

## Coal Mining Detailed Study



APPENDICES

August 2008

EPA-821-R-08-012

**Appendix A**

**ADDITIONAL UNTREATED AND TREATED ACID MINE DRAINAGE  
WASTEWATER CHARACTERIZATION DATA**

Table A-1 Additional Untreated Acid Mine Drainage Characteristics from *AMD143*

Table A-2 Additional Untreated Acid Mine Drainage Characteristics from *PADEPMDI*

Table A-3 Additional Treated Acid Mine Drainage Characteristics from *WVDMR*

Table A-4 Additional Treated Acid Mine Drainage Characteristics from *PADEPInspector*

---

**Table A-1. Additional Untreated Acid Mine Drainage Characteristics from AMD143**

<b>Pollutant Parameter <sup>a</sup></b>	<b>Minimum Recorded Value</b>	<b>Mean Recorded Value</b>	<b>Maximum Recorded Value</b>
Antimony (µg/L)	<0.01	0.02	0.43
Arsenic (µg/L)	<0.03	4.67	64.00
Barium (µg/L)	2.00	15.40	39.00
Beryllium (µg/L)	0.05	3.97	52.00
Bismuth (µg/L)	<0.01	0.02	0.35
Boron (µg/L)	<1.00	61.29	260.00
Bromine (mg/L)	<0.003	0.06	0.60
Cadmium (µg/L)	<0.01	0.53	16.00
Cerium (µg/L)	0.01	21.81	370.00
Cesium (µg/L)	0.02	0.16	0.85
Chloride (mg/L)	0.10	21.32	460.00
Chromium (µg/L)	<0.50	3.09	72.00
Cobalt (µg/L)	0.27	130.63	3,100.00
Copper (µg/L)	0.40	11.07	190.00
Dysprosium (µg/L)	0.002	5.81	99.00
Erbium (µg/L)	0.003	3.01	58.00
Europium (µg/L)	0.002	1.27	22.00
Fluoride (mg/L)	<0.10	0.10	0.20
Gadolinium (µg/L)	0.005	6.16	110.00
Gallium (µg/L)	<0.01	0.31	7.30
Germanium (µg/L)	<0.01	0.09	0.57
Gold (µg/L)	0.0003	0.002	0.02
Hafnium (µg/L)	<0.002	0.17	7.10
Holmium (µg/L)	0.001	1.17	21.00
Indium (µg/L)	<0.001	0.01	0.34
Iodine (mg/L)	<0.001	0.01	0.10
Lanthanum (µg/L)	0.005	7.50	140.00
Lead (µg/L)	0.05	1.04	11.00
Lithium (µg/L)	11.00	82.77	390.00
Lutetium (µg/L)	<0.001	0.31	6.90
Mercury (µg/L)	<0.20	<0.20	<0.20
Molybdenum (µg/L)	0.06	0.28	2.60
Neodymium (µg/L)	0.006	15.17	260.00
Nickel (µg/L)	2.60	158.45	3,200.00
Niobium (µg/L)	<0.01	0.01	0.03
Nitrate (mg/L)	<0.03	0.03	0.15
Nitrite (mg/L)	<0.02	<0.02	<0.02
Osmium (µg/L)	<0.002	<0.002	<0.002
Palladium (µg/L)	<0.02	0.02	0.11
Platinum (µg/L)	<0.02	<0.02	<0.02

**Table A-1. Additional Untreated Acid Mine Drainage Characteristics from AMD143**

<b>Pollutant Parameter <sup>a</sup></b>	<b>Minimum Recorded Value</b>	<b>Mean Recorded Value</b>	<b>Maximum Recorded Value</b>
Potassium (mg/L)	0.50	3.06	12.00
Praseodymium (µg/L)	0.002	3.26	54.00
Rhenium (µg/L)	<0.001	0.002	0.01
Rubidium (µg/L)	1.00	7.62	28.00
Ruthenium (µg/L)	<0.02	0.02	0.17
Samarium (µg/L)	<0.005	4.73	79.00
Scandium (µg/L)	1.00	7.60	36.00
Selenium (µg/L)	<0.2	0.93	7.60
Silica (mg/L)	5.80	20.75	67.00
Silver (µg/L)	0.01	0.20	0.50
Sodium (mg/L)	0.69	53.11	500.00
Strontium (µg/L)	27.00	924.41	3,600.00
Tantalum (µg/L)	<0.01	0.01	0.11
Tellurium (µg/L)	<0.20	0.20	0.40
Terbium (µg/L)	0.001	1.08	18.00
Thallium (µg/L)	0.006	0.14	1.50
Thorium (µg/L)	<0.003	0.50	24.00
Thulium (µg/L)	<0.001	0.40	8.30
Tin (µg/L)	<0.10	0.10	0.20
Titanium (µg/L)	0.65	6.20	28.00
Tungsten (µg/L)	<0.02	0.08	0.52
Uranium (µg/L)	<0.006	1.19	100.00
Vanadium (µg/L)	0.006	0.95	18.00
Ytterbium (µg/L)	0.002	2.21	48.00
Yttrium (µg/L)	0.11	28.63	530.00
Zinc (µg/L)	0.60	341.55	10,000.00
Zirconium (µg/L)	<0.03	0.07	0.84

Source: AMD143.

a – All 143 outfalls were sampled for each pollutant. Therefore, the number of permits for each pollutant is 143.

< – Indicates the sample result was less than the detection limit.

**Table A-2. Additional Untreated Acid Mine Drainage Characteristics from PADEPMDI**

Pollutant Parameter	Number of Permits <sup>a</sup>	Minimum Recorded Value	Mean Recorded Value	Maximum Recorded Value
Antimony (µg/L)	4	2.00	3.25	5.00
Boron (mg/L) <sup>b</sup>	6	200.00	200.00	200.00
Carbon (mg/L)	4	1.00	32.25	2.00
Chloride (mg/L)	87	1.00	27.10	430.00
Cobalt Compounds (µg/L)	4	50.00	453.75	1,370.00
Dissolved Solids (mg/L)	81	112.00	2,275.85	5,463.00
Fluoride (mg/L)	4	1.00	1.50	2.00
Hot Acidity (mg/L)	573	-198.37	324.41	26,961.33
Molybdenum (µg/L) <sup>b</sup>	4	70.00	70.00	70.00
Nitrate (mg/L)	5	1.00	2.40	7.00
Nitrogen (mg/L) <sup>b</sup>	3	1.00	1.00	1.00
Potassium (mg/L)	71	1.00	6.11	51.00
Selenium (µg/L)	21	7.00	11.57	24.00
Silica (mg/L)	6	17.00	31.83	51.00
Silver (µg/L)	6	10.00	12.67	18.00
Sodium (mg/L)	494	2.00	46.66	508.00
Strontium (µg/L)	1	1,640.00	1,640.00	1,640.00
Titanium (µg/L)	3	15.00	17.00	18.00
Total Arsenic (µg/L)	20	4.00	6.20	13.00
Total Barium (µg/L)	19	9.00	30.16	202.00
Total Cadmium (µg/L)	20	1.00	9.15	20.00
Total Chromium (µg/L)	20	35.00	46.40	50.00
Total Copper (µg/L)	17	9.00	25.12	145.00
Total Lead (µg/L)	20	1.00	5.55	25.00
Total Mercury (µg/L) <sup>b</sup>	20	1.00	1.00	1.00
Total Nickel (µg/L)	20	50.00	858.00	2,080.00
Total Zinc (µg/L)	78	10.00	1,300.71	7,265.00

Source: PADEPMDI.

a – Excludes recorded values of zero, except for hot acidity.

b – Below detection indicators are not reported in the PADEPMDI database. EPA believes these samples are the detection limit due to all of the samples having the same value.

**Table A-3. Additional Treated Acid Mine Drainage Characteristics from WVDMR**

Pollutant Parameter	Number of Permits <sup>a</sup>	Minimum Recorded Value	Mean Recorded Value	Maximum Recorded Value
Ammonia, as Nitrogen (mg/L)	93	0.02	54.59	373.12
Ammonia, Unionized (mg/L)	85	0.0002	5,491.05	167,329.17
Barium (mg/L)	67	0.0005	3.33	31.51
Biological Oxygen Demand (mg/L)	5	<4.00	20.15	43.87
Chemical Oxygen Demand (mg/L)	2	1.00	7.00	13.00
Chloride (mg/L)	64	2.74	124.85	1,793.33
Dissolved Aluminum (mg/L)	995	0.006	0.20	20.14
Dissolved Copper (mg/L)	1	0.01	0.01	0.01
Dissolved Lead (mg/L)	7	0.001	0.02	0.04
Dissolved Zinc (mg/L)	3	0.006	0.01	0.02
Hexavalent Chromium (mg/L)	3	0.000005	0.00002	0.00002
Nitrogen, as Ammonia (mg/L)	1	1.00	1.00	1.00
Settleable Solids (mL/L)	241	<0.01	1.29	225.05
Total Antimony (mg/L)	5	0.0002	0.009	0.02
Total Recoverable Arsenic (mg/L)	69	0.000001	0.20	6.50
Total Recoverable Beryllium (mg/L)	3	0.001	0.002	0.002
Total Boron (mg/L)	4	0.00009	0.01	0.05
Total Cadmium (mg/L)	16	0.000005	0.14	2.30
Total Chromium (mg/L)	5	0.0002	1.13	5.60
Total Copper (mg/L)	21	<0.00002	0.97	11.81
Total Cyanide (mg/L)	2	0.002	0.002	0.002
Total Dissolved Solids (mg/L)	25	63.07	1,085.03	4,432.50
Total Hot Acidity (mg/L)	207	-388.48	27.50	2,715.27
Total Kjeldahl Nitrogen (mg/L)	1	4.16	4.16	4.16
Total Lead (mg/L)	67	0.000001	0.28	5.84
Dissolved Manganese (mg/L)	1	2.16	2.16	2.16
Total Recoverable Mercury (mg/L)	63	0.0000001	0.21	5.00
Total Nickel (mg/L)	53	0.000003	3.66	101.34
Total Recoverable Selenium (mg/L)	251	0.000002	0.43	19.69
Total Silver (mg/L)	8	0.00002	0.57	4.50
Total Recoverable Thallium (mg/L)	2	0.0001	0.004	0.007
Total Vanadium (mg/L)	1	0.001	0.001	0.001
Total Zinc (mg/L)	28	0.00004	0.09	1.11

Source: WVDMR.

a – Excludes recorded values of zero, except for hot acidity.

&lt; – Indicates the sample result was less than the detection limit.

**Table A-4. Additional Treated Acid Mine Drainage Characteristics from PADEP Inspector**

<b>Pollutant Parameter</b>	<b>Number of Permits <sup>a</sup></b>	<b>Minimum Recorded Value</b>	<b>Average Recorded Value</b>	<b>Maximum Recorded Value</b>
Dissolved Aluminum (mg/L)	2	<0.20	0.66	1.12
Dissolved Arsenic (mg/L)	2	0.003	0.008	0.01
Dissolved Cadmium (mg/L)	2	<0.001	<0.001	0.001
Dissolved Calcium (mg/L)	2	315.83	336.67	357.50
Dissolved Chromium (mg/L)	2	<0.05	<0.05	<0.05
Dissolved Copper (mg/L)	2	<0.01	<0.01	<0.01
Dissolved Lead (mg/L)	2	<0.001	0.003	0.004
Dissolved Magnesium (mg/L)	2	175.50	194.25	213.00
Dissolved Manganese (mg/L)	2	5.78	10.01	14.25
Dissolved Mercury (mg/L)	2	0.001	0.001	0.001
Dissolved Nickel (mg/L)	2	0.05	0.13	0.20
Dissolved Potassium (mg/L)	2	6.64	19.82	33.00
Dissolved Selenium (mg/L)	2	<0.007	0.02	0.03
Dissolved Sodium (mg/L)	2	17.63	21.80	25.97
Dissolved Zinc (mg/L)	2	<0.01	0.11	0.21
Hot Acidity (mg/L)	321	-1,522.00	-40.71	8,042.64
Nitrate, as N (mg/L)	1	0.37	0.37	0.37
Total Arsenic (mg/L)	2	<0.004	0.35	0.70
Total Cadmium (mg/L)	2	0.01	0.01	0.01
Total Calcium (mg/L)	8	16.20	134.78	322.50
Total Chloride (mg/L)	5	3.28	62.12	256.00
Total Chromium (mg/L)	2	<0.05	0.13	0.21
Total Copper (mg/L)	2	<0.01	0.36	0.71
Total Dissolved Solids (mg/L)	23	454.32	2,170.00	16,513.33
Total Lead (mg/L)	2	0.002	0.004	0.01
Total Mercury (mg/L)	2	0.001	0.001	0.001
Total Nickel (mg/L)	2	0.05	0.52	0.98
Total Potassium (mg/L)	2	19.92	32.76	45.60
Total Selenium (mg/L)	2	0.01	0.04	0.06
Total Sodium (mg/L)	13	5.37	278.93	1,360.00
Total Zinc (mg/L)	2	0.63	1.81	2.99

Source: PADEP Inspector.

a – Excludes recorded values of zero, except for hot acidity.

< – Indicates the sample result was less than the detection limit.

**Appendix B**

**DRAFT ACID MINE DRAINAGE TREATMENT COST MODULE: CHEMICAL  
PRECIPITATION USING CAUSTIC SODA**

---



---

**Draft Acid Mine Drainage Treatment Cost Module:  
Chemical Precipitation Using Caustic Soda**  
August 16, 2007

**Disclaimer:** This is a draft module for a cost estimation tool. EPA developed this module for the Detailed Study of the Coal Mining Point Source Category (40 CFR Part 434) to estimate the cost difference between treating acid mine drainage (AMD) using caustic soda chemical precipitation over a range of flows:

- To meet all of the 40 CFR Part 434 limitations (TSS, pH, iron, and manganese); and
- To meet only the TSS, pH, and iron limitations in 40 CFR Part 434.

The costs are based on calculations and default values provided in the *AMDTreat*<sup>®</sup> software that was developed cooperatively by the Pennsylvania Department of Environmental Protection (PA DEP), West Virginia Department of Environmental Protection (WV DEP), and the U.S. Department of Interior, Office of Surface Mining Reclamation and Enforcement (OSMRE). The default values from *AMDTreat*<sup>®</sup> that are used in the caustic soda chemical precipitation module are presented in Attachment A.

OSMRE reviews and updates the treatment costs roughly annually. The most recent version of *AMDTreat*<sup>®</sup>, version 4.1, expresses costs in 2006 dollars. *AMDTreat*<sup>®</sup> v.4.1 has not been peer reviewed (OSMRE, 2007).

## **1.0 MODULE METHODOLOGY**

This module estimates the costs associated with installing and operating a caustic soda (NaOH) chemical precipitation system for treating AMD. Chemical precipitation using caustic has been used widely to neutralize acidity and precipitate metal ions in AMD since the passage of the Surface Mining, Control, and Reclamation Act of 1977 (SMCRA) and the Coal Mining Effluent Guidelines and Standards (40 CFR Part 434). EPA is estimating the cost difference between using chemical precipitation to achieve two different effluent scenarios:

1. To meet all of the 40 CFR Part 434 limitations (TSS, pH, iron, and manganese); and
2. To meet only the pH, solids, and iron limitations of 40 CFR Part 434.

40 CFR Part 434 defines AMD as mine drainage that, before treatment, either has a pH of less than 6.0 or a total iron concentration equal to or greater than 10 mg/L. The limitations for AMD are in 40 CFR Part 434 Subpart C, shown in Table 1-1 (BAT) and Table 1-2 (NSPS). The best available control technology (BAT) limitations apply to coal mines that were constructed prior to May 4, 1984. The new source performance standards (NSPS) limitations apply to coal mines that were constructed after May 4, 1984. EPA assumes that the majority of the coal mines are required to meet NSPS limitations and will use the NSPS limitations presented in Table 1-2 for the effluent scenarios.

**Table 1-1. BAT Effluent Guidelines for Coal Mining Part 434, Subpart C<sup>a</sup>**

Parameter	30-day Average (mg/L)	Daily Maximum (mg/L)
Total Suspended Solids (TSS)	35	70
pH	within range of 6 to 9	within range of 6 to 9
Iron, Total	3.5	7.0
Manganese, Total	2.0	4.0

Source: *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category* (U.S. EPA, 1982).

NA – Not applicable.

<sup>a</sup>Subpart C – Acid or Ferruginous Mine Drainage applies to coal mines in EPA’s Detailed Study of the Coal Mining Industry.

**Table 1-2. NSPS Effluent Guidelines for Coal Mining Part 434, Subparts C<sup>a</sup>**

Parameter	30-day Average (mg/L)	Daily Maximum (mg/L)
Total Suspended Solids (TSS)	35	70
pH	within range of 6 to 9	within range of 6 to 9
Iron, Total	3.0	6.0
Manganese, Total	2.0	4.0

Source: *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category* (U.S. EPA, 1982).

NA – Not applicable.

<sup>a</sup>Subpart C – Acid or Ferruginous Mine Drainage applies to coal mines in EPA’s Detailed Study of the Coal Mining Industry.

Under the first effluent scenario, EPA estimates the costs to remove pollutants to meet all the NSPS limitations in Table 1-2. Under the second effluent scenario, EPA estimates the costs to remove all pollutants except manganese to the NSPS limitations level required by 40 CFR Part 434 presented in Table 1-2.

## 2.0 PROCESS DESCRIPTION

Chemical precipitation is widely used in the coal mining industry to meet NPDES permit limitations. This section describes chemical precipitation in general (Section 2.1) and how it specifically applies to AMD (Section 2.2).

### 2.1 Chemical Precipitation

Chemical precipitation involves removing metallic contaminants from aqueous solutions by converting soluble heavy metals to insoluble salts. The precipitated solids are then removed from solution by flocculation followed by sedimentation and/or filtration. Precipitation is caused by the addition of chemical reagents that increase the pH of the water to the minimum solubility of the metal. The standard reagents include the following (EPA, 2000):

- Lime (calcium hydroxide);
- Caustic (sodium hydroxide);

- Magnesium hydroxide;
- Soda ash (sodium carbonate);
- Trisodium phosphate;
- Sodium sulfide; and
- Ferrous sulfide.

These reagents precipitate metals as hydroxides, carbonates, phosphates, or sulfides. The precipitated metals form sludge. Over time, the accumulated sludge must be removed from the treatment system.

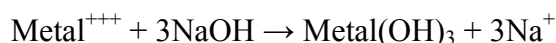
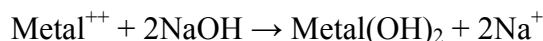
## 2.2 Chemical Precipitation of AMD

The majority of coal mines treating AMD use lime or caustic for precipitation. Metals commonly targeted for removal from solution by precipitation include iron, manganese, and aluminum.

Figure 2-1 shows an example chemical precipitation process:

- The AMD is aerated, often by gravity flow and sprays, to increase the dissolved oxygen in the discharge. The increased dissolved oxygen allows some metals to oxidize and form metal hydroxides, such as ferric hydroxide (Fe(OH)<sub>3</sub>).
- The first settling pond removes the majority of the metal hydroxides that formed due to aeration.
- A chemical precipitant is added in a channel or pond, where the remaining dissolved metals, such as manganese and magnesium, are oxidized to an insoluble form.
- The remaining settling ponds remove the suspended insoluble metal hydroxides.

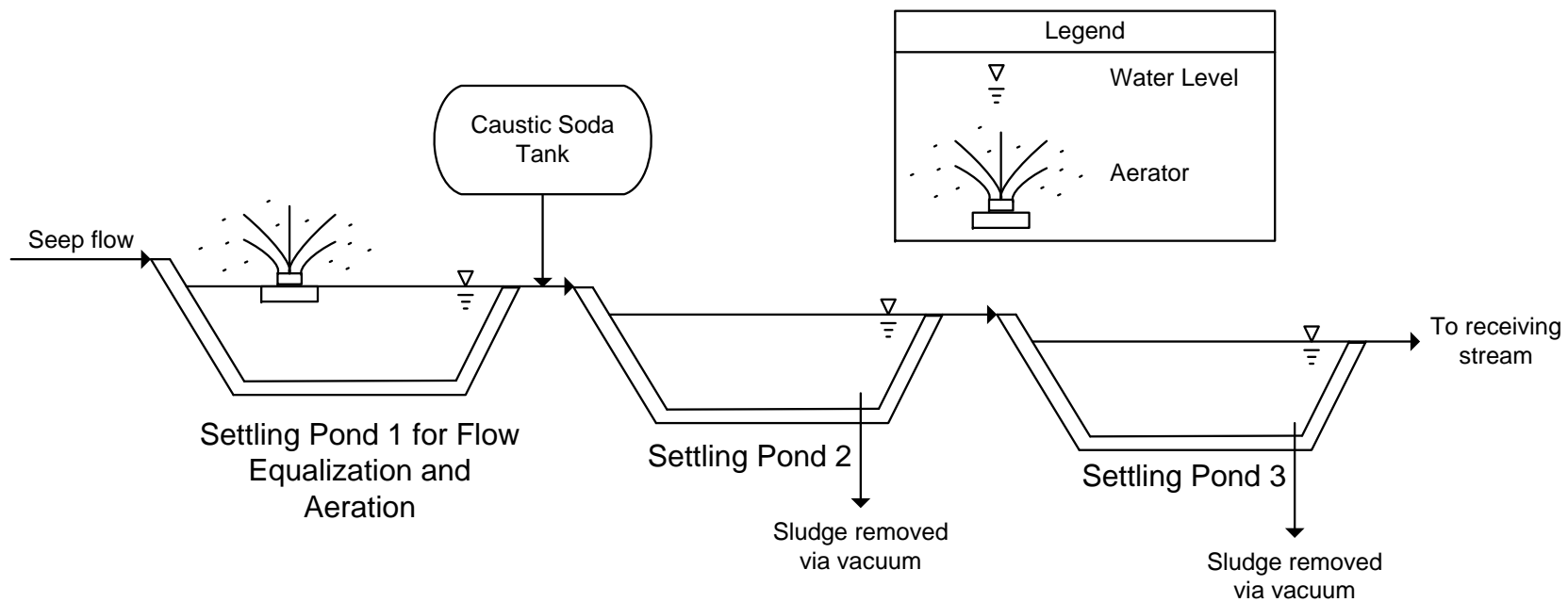
Hydroxide precipitation normally involves using lime (Ca(OH)<sub>2</sub>) or caustic soda (NaOH) as a precipitant to remove metals as insoluble metal hydroxides. The reaction is illustrated by the following equations for precipitation of divalent and trivalent metals using caustic soda:



The effluent metals concentration attained by hydroxide precipitation depends on the metals present and reaction conditions. Many scientists have studied metals removal from AMD, particularly the difficulty of removing manganese. Two studies in particular address EPA's question of the incremental cost to remove manganese:

- Kirby and Cravotta: Net Alkalinity and Net Acidity 1: Theoretical Considerations (Kirby, 2005a) and Net Alkalinity and Net Acidity 2: Practical Considerations (Kirby, 2005b). Attachment B contains these articles.
- Means and Hilton: Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage (Means, 2004). Attachment C contains this article.

While scientists have found that iron will precipitate quickly at a pH near 7, manganese precipitates quickly only when the pH is raised to 9 or 10 (Means, 2004). Figure 2-2 illustrates the solubility curves from research performed by Dr. Chuck Cravotta, U.S.G.S., for metals commonly in AMD, showing solubilities relative to pH.



**Figure 2-1. Example AMD Chemical Precipitation Treatment System using Caustic Soda**

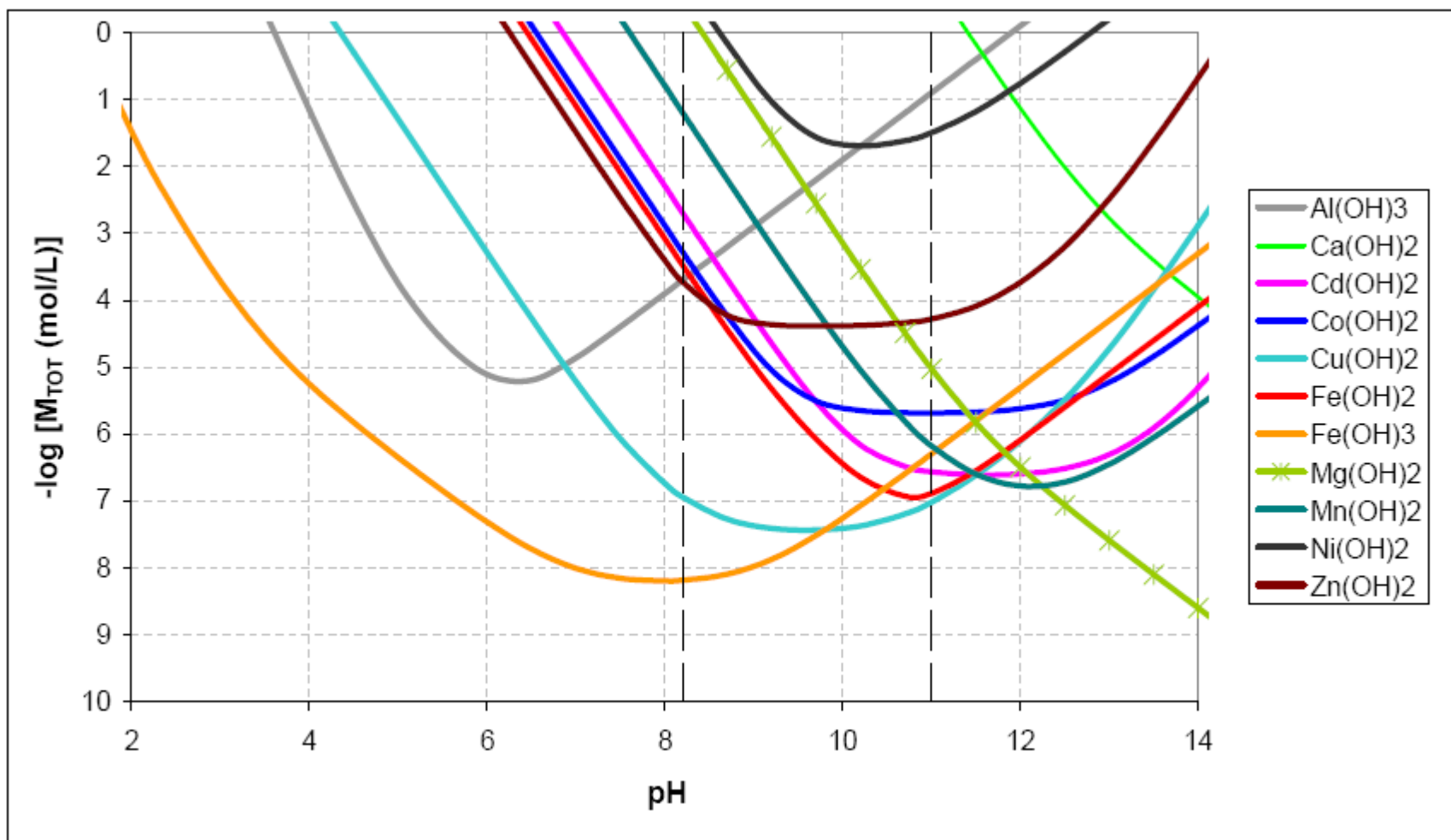


Figure 2-2. Comparison of Metal Hydroxide Solubilities for Constituents Commonly Found in Acidic Mine Drainage (Means, 2004)

### 3.0 DESIGN CONSIDERATIONS

This cost module considers the costs required for chemical precipitation using caustic soda (NaOH). EPA is estimating the cost of treating AMD with chemical precipitation using hydrated lime and with a limestone bed in separate cost modules (see “Draft Acid Mine Drainage Treatment Cost Module: Chemical Precipitation Using Hydrated Lime” and “Draft Acid Mine Drainage Treatment Cost Module: Limestone Bed” both dated August 2007 (see Appendices D and E of the Coal Mining Detailed Study Report)). EPA considered the amount of caustic soda required to adjust pH to a given level, the amount of sludge generated and the cost of its removal, and the required operating labor.

EPA assumes that annual costs for electricity and land requirements are approximately equal under both effluent scenarios. For this reason, EPA did not consider the cost of obtaining or leasing land for the treatment system or other capital equipment costs or electricity needs in its estimate of annual costs.

### 4.0 COST MODULE CALCULATIONS

EPA is estimating costs to treat AMD with chemical precipitation using caustic soda to achieve two different effluent scenarios:

1. To meet all of the 40 CFR Part 434 limitations (TSS, pH, iron, and manganese); and
2. To meet only the TSS, pH, and iron limitations of 40 CFR Part 434.

Table 4-1 presents the limits for each of the effluent scenarios. The difference between the effluent scenarios is that effluent scenario 1 meets the current manganese limits while effluent scenario 2 does not incorporate any change in manganese concentration. For calculation purposes, only the 30-day limit is considered, because it is lower than the daily maximum limit.

**Table 4-1. Effluent Discharge Limitations for Effluent Scenarios**

Parameter	Effluent Scenario 1		Effluent Scenario 2	
	NSPS 30-Day Average (mg/L)	NSPS Daily Maximum (mg/L)	NSPS 30-day Average (mg/L)	NSPS Daily Maximum (mg/L)
Total Suspended Solids (TSS)	35	70	35	70
pH	within range of 6 to 9	within range of 6 to 9	within range of 6 to 9	within range of 6 to 9
Iron, Total	3.0	6.0	3.0	6.0
Manganese, Total	2.0	4.0	NA	NA

Source: *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category* (U.S. EPA, 1982).

NA – Not applicable.

The first effluent scenario will be achieved by treating the AMD to pH 10 using caustic soda, based on the solubility of the metals. EPA assumes that at pH 10 the effluent will result in the following characteristics based on the metals solubilities from Figure 2-2 (Means, 2004):<sup>1</sup>

- Iron at 3.0 mg/L;
- Manganese at 2.0 mg/L;
- A 99 percent reduction in aluminum from untreated; and
- A 10 percent reduction in magnesium from untreated.

Although the caustic soda addition results in pH 10 for effluent scenario 1, after the settling ponds where the metal hydroxides are removed the pH will decrease and meet the limitation in Table 4-1 prior to discharge.

The second effluent scenario will be achieved by treating the AMD to pH 8.3 using caustic soda. EPA assumes that at pH 8.3 the effluent will result in the following characteristics based on the metals solubilities from Figure 2-2 (Means, 2004):<sup>2</sup>

- Iron at 3.0 mg/L;
- A 10 percent reduction in manganese from untreated;
- A 99 percent reduction in aluminum from untreated; and
- No reduction in magnesium from untreated.

Additionally, the final pH will remain in the range of 6 to 9 to meet the limitation.

For both effluent scenarios the cost module includes the following items:

- Annual Costs (Section 4.1) including:
  - Chemicals cost (Section 4.1.1);
  - Sludge removal cost (Section 4.1.2);
  - Sampling cost (Section 4.1.3); and
  - Maintenance cost (Section 4.1.4) that includes maintenance labor and the annual cost for replacement of chemical storage system every 20 years.
- Capital Costs (Section 4.2) that includes chemicals storage cost (Section 4.2.1).

---

<sup>1</sup> EPA received comments from Dr. Charles Cravotta (U.S.G.S.) and Mr. Brent Means (OSMRE), regarding EPA's assumption that Part 434 limits would be achieved if pH is adjusted to a certain point (i.e., that the iron monthly average limit of 3.0 mg/L would be achieved if pH is adjusted to 8.3, and that the manganese monthly average limit of 2 mg/L would be achieved if pH is adjusted to 10). Both scientists point out the limitations of such assumptions. Dr. Cravotta has demonstrated that effluent pH may be a poor means of quantifying the effluent quality. That is, in some cases, especially when ferrous iron is present in the AMD, an effluent pH of 8.3 may still result in effluent iron levels that consistently exceed the 3.0 mg/L monthly limit. EPA is considering refining future treatment cost estimates with continued input from Dr. Cravotta and Mr. Means, and EPA recognizes that the cost estimates resulting from these modules represent gross cost estimates. For this stage of EPA's evaluation of the Detailed Study of the Coal Mining Industry, these gross cost estimates sufficiently address EPA's question of how much extra cost the industry incurs to treat AMD for manganese, rather than solely for iron.

<sup>2</sup> Ibid.



The sampling cost and maintenance labor cost will be the same for each effluent scenario because these portions of the cost module do not depend on effluent water characteristics. Therefore, the sampling cost and maintenance cost for each effluent scenario will off-set when the total costs are compared. However, these costs are included for comparison to other costing modules in EPA's Detailed Study of the Coal Mining Industry.

#### 4.1 Annual Costs

The following sections describe the calculation of annual costs.

##### 4.1.1 *Chemical Cost*

Under the first effluent scenario, EPA is estimating the cost of caustic soda to reach approximately pH 10. EPA assumes that at pH 10 the effluent will meet the 40 CFR Part 434 NSPS iron (3 mg/L 30-day average) and manganese (2 mg/L 30-day average) limitations based on the solubility of these metals, presented in Figure 2-2 (Means, 2004). Under the second effluent scenario, EPA is estimating the cost of caustic soda to reach approximately pH 8.3. EPA assumes that at pH 8.3 the effluent will meet the 40 CFR Part 434 NSPS iron (3 mg/L 30-day average) limitation but will not meet the manganese (2 mg/L 30-day average) limitation (Means, 2004).<sup>3</sup>

The amount of caustic soda required annually depends on three things:

1. Net acidity;
2. Discharge flow rate; and
3. The additional acidity required to increase the pH to the desired level.

The net acidity is estimated based on pH, metals concentrations (specifically ferrous and ferric iron, manganese, and aluminum), additional acidity liberated to achieve pH 10, and alkalinity. Equation 1 can be used to calculate the net acidity.

$$\text{Net Acidity} = 50 * \{ (1000 * 10^{-\text{pH}}) + \frac{2 * \text{Fe}^{2+} + 3 * \text{Fe}^{3+}}{55.842} + \frac{2 * \text{Mn}}{54.93807} + \frac{3 * \text{Al}}{26.9815386} \} * \text{Acidity Multiplier} - \text{Alkalinity} \quad (1)$$

<sup>3</sup> EPA received comments from Dr. Charles Cravotta (U.S.G.S.) and Mr. Brent Means (OSMRE), regarding EPA's assumptions that 1) a multiplier of 4 accounts for the additional acidity liberated when raising pH to 10 to settle manganese and 2) that Part 434 limits would be achieved if pH is adjusted to a certain point (i.e., that the iron monthly average limit of 3.0 mg/L would be achieved if pH is adjusted to 8.3, and that the manganese monthly average limit of 2 mg/L would be achieved if pH is adjusted to 10). Both scientists point out the limitations of such assumptions. 1) Mine drainage chemistry is complex and variable. In some AMD, as demonstrated in *Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage* (Means, 2004), there may be little additional acidity liberated when titrating pH to 10. For AMD with these characteristics, the multiplier of 4 overestimates the amount of treatment chemical required to adjust pH for manganese treatment. 2) Dr. Cravotta has demonstrated that effluent pH may be a poor means of quantifying the effluent quality. That is, in some cases, especially when ferrous iron is present in the AMD, an effluent pH of 8.3 may still result in effluent iron levels that consistently exceed the 3.0 mg/L monthly limit. EPA is considering refining future treatment cost estimates with continued input from Dr. Cravotta and Mr. Means, and EPA recognizes that the cost estimates resulting from these modules represent gross cost estimates. For this stage of EPA's evaluation of the Detailed Study of the Coal Mining Industry, these gross cost estimates sufficiently address EPA's question of how much extra cost the industry incurs to treat AMD for manganese, rather than solely for iron.

where:

- Acidity Multiplier. A factor accounting for additional acidity liberated to achieve pH 10;
- Net acidity. Laboratory-measured acidity; and
- Alkalinity. Laboratory-measured alkalinity.

The acidity multiplier is derived from the Means and Hilton article entitled *Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage*, in Attachment C. The scientists found that the Standard Method (SM) 2310 for hot acidity is often not a valid expression of acidity for waters with pH's greater than 8.2. The article concludes that when adding caustic to adjust pH for manganese precipitation (i.e., to increase the pH to 10), plant operators must consider the amount of caustic consumed by magnesium and other ions. The amount of caustic consumed by magnesium and other ions at pH's above 10 is not accounted for by SM 2310.

As a result, EPA used data from the Means and Hilton article to estimate the additional caustic needed when adjusting pH above 8.3. Means and Hilton provide data for four different discharges of AMD (Means, 2004). EPA selected the "worst case scenario," or the data for the AMD requiring the greatest additional caustic to increase the pH to 10, for manganese removal. The data demonstrate that to adjust pH from 8.3 to 10, roughly three times the amount of caustic is necessary, and the acidity multiplier is 4.

The amount of caustic soda required to neutralize the net acidity is based on the discharge flow rate, mixing efficiency, and caustic soda purity. Equation 2 can be used to calculate the amount of caustic soda required to neutralize the net acidity to achieve a specific pH (pH 10 for effluent scenario 1 and pH 8.3 for effluent scenario 2).

$$\text{NaOH}_{\text{req}} = \text{Net Acidity} * \frac{2 \text{ mol NaOH}}{1 \text{ mol CaCO}_3} * \frac{\text{MW}_{\text{NaOH}}}{\text{MW}_{\text{CaCO}_3}} * \frac{\text{Flow}}{\text{Density}_{\text{NaOH}}} * \frac{100}{\text{Purity}} * \frac{100}{\text{Efficiency}} * \text{CF}_{\text{weight}} * \text{CF}_{\text{time}} * \text{CF}_{\text{volume}} \quad (2)$$

Equation 3 can be used to calculate the annual cost of caustic soda required to neutralize the net acidity.

$$\text{Annual Chemical Cost} = \text{NaOH}_{\text{req}} * \text{Caustic Soda Cost} \quad (3)$$

Table 4-2 describes the variables in the chemical cost section of the caustic soda cost module shown in equations 1, 2, and 3 and provides the values used in the equations for each effluent scenario.

Table 4-2. Chemical Cost Variable Descriptions

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
Acidity Multiplier	None	Multiplier of additional acidity liberated when increasing the pH from 8.3 to 10	4	Means, 2004	0	Kirby, 2005
Alkalinity	mg CaCO <sub>3</sub> /L	Alkalinity in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Annual Chemical Cost	\$/yr	Annual cost of caustic soda	NA	Calculated in Equation 3	NA	Calculated in Equation 3
Caustic Soda Cost	\$/gal	Cost of caustic soda	\$ 0.70/gal	AMDTreat <sup>®</sup> v.4.1	\$ 0.70/gal	AMDTreat <sup>®</sup> v.4.1
CF <sub>time</sub>	min/yr	Conversion factor for converting minutes to years	525,600 min/yr	Constant	525,600 min/yr	Constant
CF <sub>volume</sub>	L/gal	Conversion factor for converting liters to gallons	3.785 L/gal	Constant	3.785 L/gal	Constant
CF <sub>weight</sub>	lb/mg	Conversion factor for converting pounds to milligrams	2.205 x 10 <sup>-6</sup> lb/mg	Constant	2.205 x 10 <sup>-6</sup> lb/mg	Constant
Density <sub>NaOH</sub>	lb/gal	Density of 99 % purity sodium hydroxide solution	0.49 lb/gal	AMDTreat <sup>®</sup> v.4.1	0.49 lb/gal	AMDTreat <sup>®</sup> v.4.1
Efficiency	%	Mixing efficiency of caustic soda with discharge	100 %	AMDTreat <sup>®</sup> v.4.1	100 %	AMDTreat <sup>®</sup> v.4.1
Fe <sup>2+</sup>	mg/L	Ferrous iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Fe <sup>3+</sup>	mg/L	Ferric iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Flow	Gpm	Discharge flow	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Mn	mg/L	Manganese concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
MW <sub>CaCO3</sub>	g/mol	Molecular weight for caustic soda	100.0869 g/mol	Constant	100.0869 g/mol	Constant
MW <sub>NaOH</sub>	g/mol	Molecular weight for sodium hydroxide	39.9972 g/mol	Constant	39.9972 g/mol	Constant
NaOH <sub>req</sub>	gal/yr	Amount of 99 % caustic soda solution required to neutralize the net acidity	NA	Calculated in Equation 2	NA	Calculated in Equation 2

Table 4-2. Chemical Cost Variable Descriptions

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
Net Acidity	mg CaCO <sub>3</sub> /L	Discharge net acidity	NA	Calculated in Equation 1	NA	Calculated in Equation 1
pH	standard units	Untreated discharge pH	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Purity	%	Purity of caustic soda	99 %	AMDTreat <sup>®</sup> v.4.1	99 %	AMDTreat <sup>®</sup> v.4.1

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 4.1.2 Sludge Removal Cost

The sludge generated annually depends on the water chemistry, such as final pH and ion concentrations, and settling pond retention time. EPA assumes that when the discharge reaches pH 10 for effluent scenario 1, the following effluent quality will be achieved based on metal solubilities (see Figure 2-2) (Means, 2004):<sup>4</sup>

- Iron at 3.0 mg/L;
- Manganese at 2.0 mg/L;
- A 99 percent reduction in aluminum from untreated; and
- A 10 percent reduction in magnesium from untreated.

EPA assumes that when the discharge reaches pH 8.3 for effluent scenario 2, the following effluent quality will be achieved based on metals solubilities (see Figure 2-2) (Means, 2004):<sup>5</sup>

- Iron at 3.0 mg/L;
- A 10 percent reduction in manganese from untreated;
- A 99 percent reduction in aluminum from untreated; and
- No reduction in magnesium from untreated.

This cost module does not include the amount of sludge generated from other insoluble metal hydroxides; however, it over estimates sludge resulting from the iron, aluminum, manganese, and magnesium.

Equations 4, 5, 6, and 7 calculate the amount of sludge generated from aluminum, iron, manganese, and manganese, respectively. Equation 8 calculates the annual sludge removal cost.

$$\text{Sludge}_{\text{Al}} = (\text{Al} * \text{Al}_{\text{reduction}}) * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (4)$$

$$\text{Sludge}_{\text{Fe}} = \{(\text{Fe}^{3+} + \text{Fe}^{2+}) - \text{Fe}_{\text{limit}}\} * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (5)$$

$$\text{Sludge}_{\text{Mn}} = (\text{Mn} - \text{Mn}_{\text{limit}}) * \text{Mn}_{\text{reduction}} * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (6)$$

<sup>4</sup> EPA received comments from Dr. Charles Cravotta (U.S.G.S.) and Mr. Brent Means (OSMRE), regarding EPA's assumption that Part 434 limits would be achieved if pH is adjusted to a certain point (i.e., that the iron monthly average limit of 3.0 mg/L would be achieved if pH is adjusted to 8.3, and that the manganese monthly average limit of 2 mg/L would be achieved if pH is adjusted to 10). Both scientists point out the limitations of such assumptions. Dr. Cravotta has demonstrated that effluent pH may be a poor means of quantifying the effluent quality. That is, in some cases, especially when ferrous iron is present in the AMD, an effluent pH of 8.3 may still result in effluent iron levels that consistently exceed the 3.0 mg/L monthly limit. EPA is considering refining future treatment cost estimates with continued input from Dr. Cravotta and Mr. Means, and EPA recognizes that the cost estimates resulting from these modules represent gross cost estimates. For this stage of EPA's evaluation of the Detailed Study of the Coal Mining Industry, these gross cost estimates sufficiently address EPA's question of how much extra cost the industry incurs to treat AMD for manganese, rather than solely for iron. The costs estimated for sludge removal represent 4 percent of the total annualized cost, at a maximum.

<sup>5</sup> Ibid.

$$\text{Sludge}_{\text{Mg}} = (\text{Mg} * \text{Mg}_{\text{reduction}}) * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (7)$$

$$\text{Annual Sludge Cost} = \{\text{Sludge}_{\text{Al}} + \text{Sludge}_{\text{Fe}} + \text{Sludge}_{\text{Mn}} + \text{Sludge}_{\text{Mg}}\} * \text{Removal Cost} \quad (8)$$

Table 4-3 describes the variables in the sludge removal cost section of the caustic soda cost module shown in equations 4, 5, 6, 7, and 8 and provides the values used in the equations for each effluent scenario.

Table 4-3. Sludge Removal Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
% Solids	%	Ratio of the weight of solids to the weight of water	5 %	AMDTreat <sup>®</sup> v.4.1	5 %	AMDTreat <sup>®</sup> v.4.1
Al	mg/L	Aluminum concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Al <sub>reduction</sub>	%	Percent reduction of aluminum from untreated to final effluent	99 %	Solubility Curve (Means, 2004)	99 %	Solubility Curve (Means, 2004)
Annual Sludge Cost	\$/yr	Annual cost of removing sludge	NA	Calculated in Equation 8	NA	Calculated in Equation 8
CF <sub>time</sub>	Min/yr	Conversion factor for converting minutes to years	525,600 min/yr	Constant	525,600 min/yr	Constant
CF <sub>volume</sub>	L/gal	Conversion factor for converting liters to gallons	3.785 L/gal	Constant	3.785 L/gal	Constant
CF <sub>weight</sub>	mg/lb	Conversion factor for converting milligrams to pounds	454,00 mg/lb	Constant	454,000 mg/lb	Constant
Density <sub>sludge</sub>	lb/gal	Density of solids and water in sludge	8.33 lb/gal	AMDTreat <sup>®</sup> v.4.1 - Assumes same as water density	8.33 lb/gal	AMDTreat <sup>®</sup> v.4.1 - Assumes same as water density
Fe <sup>2+</sup>	mg/L	Ferrous iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Fe <sup>3+</sup>	mg/L	Ferric iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Fe <sub>limit</sub>	mg/L	Effluent limit for iron	3.0 mg/L	40 CFR Part 434	3.0 mg/L	40 CFR Part 434
Flow	Gpm	Discharge flow	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Mg	mg/L	Magnesium concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Mg <sub>reduction</sub>	%	Percent reduction of magnesium from untreated to final effluent	10 %	Solubility Curve (Means, 2004)	0 %	Solubility Curve (Means, 2004)
Mn	mg/L	Manganese concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics

Table 4-3. Sludge Removal Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
Mn <sub>limit</sub>	mg/L	Effluent limit for manganese	2.0 mg/L	40 CFR Part 434	0	Effluent value will be estimated based on performance data received from coal mines with chemical precipitation.
Mn <sub>reduction</sub>	%	Percent reduction of manganese from untreated to final effluent	100 %	EPA calculates final manganese concentration using limit rather than percent reduction	10 %	Solubility Curve (Means, 2004)
Removal Cost	\$/gal	Cost of removing sludge	\$ 0.06/gal	AMDTreat <sup>®</sup> v.4.1	\$ 0.06/gal	AMDTreat <sup>®</sup> v.4.1
Sludge <sub>Al</sub>	gal/yr	Amount of sludge generated from the precipitation of aluminum	NA	Calculated in Equation 4	NA	Calculated in Equation 4
Sludge <sub>Fe</sub>	gal/yr	Amount of sludge generated from the precipitation of iron	NA	Calculated in Equation 5	NA	Calculated in Equation 5
Sludge <sub>Mg</sub>	gal/yr	Amount of sludge generated from the precipitation of magnesium	NA	Calculated in Equation 7	NA	Calculated in Equation 7
Sludge <sub>Mn</sub>	gal/yr	Amount of sludge generated from the precipitation of manganese	NA	Calculated in Equation 6	NA	Calculated in Equation 6

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.



### 4.1.3 Sampling Cost

The annual sampling cost includes the labor for collecting the samples and the sampling lab analysis costs. This cost module assumes that the number of samples required yearly is independent of the flow, net acidity, raw AMD metals concentrations, or treatment technology. Based on conversations with coal mine wastewater treatment operators, sampling is only conducted to meet the NPDES permit requirements (Wolford, 2007b; Wolford, 2007c). The sampling costs for both effluent scenarios are the same because sampling requirements are independent of effluent quality. EPA included the sampling costs anyway.

Equations 9, 10, 11, and 12 can be used to calculate the annual sampling cost assuming the NPDES permits require bi-monthly sampling.

$$\text{Collection Labor} = \text{Sampling Points} * \text{Collection Time} * \text{Monthly Frequency} * \text{CF}_{\text{time}} * \text{Labor Cost} \quad (9)$$

$$\text{Travel Labor} = \text{Monthly Frequency} * \text{Travel Time} * \text{CF}_{\text{time}} * \text{Labor Cost} \quad (10)$$

$$\text{Lab Cost} = \text{Sampling Points} * \text{Monthly Frequency} * \text{CF}_{\text{time}} * \text{Sample Cost} \quad (11)$$

$$\text{Annual Sampling Cost} = \text{Collection Labor} + \text{Travel Labor} + \text{Lab Cost} \quad (12)$$

Table 4-4 describes the variables in the sampling cost section of the caustic soda cost module shown in equations 9, 10, 11, and 12 and provides the values used in equations for both effluent scenarios.

**Table 4-4. Sampling Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Annual Sampling Cost	\$/yr	Annual sampling cost	NA	Calculated in Equation 12
CF <sub>time</sub>	mo/yr	Conversion factor for converting months to years	12 mo/yr	Constant
Collection Labor	\$/yr	Annual labor cost for worker to collect samples	NA	Calculated in Equation 9
Collection Time	hr	Average time expected for the worker to collect one sample	0.33 hr	AMDTreat <sup>®</sup> v.4.1
Lab Cost	\$/yr	Annual cost for laboratory analysis	NA	Calculated in Equation 11
Labor Cost	\$/hr	Hourly rate for worker	\$ 35.00/hr	AMDTreat <sup>®</sup> v.4.1
Monthly Frequency	No./month	Number of samples collected per month	2/month	AMDTreat <sup>®</sup> v.4.1
Sample Cost	\$/sample	Cost of laboratory analysis for one sample for all analytical tests	\$ 27.00/sample	AMDTreat <sup>®</sup> v.4.1

Table 4-4. Sampling Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Sampling Points	No.	Number of sampling points in treatment system	3	<i>AMDTreat</i> <sup>®</sup> v.4.1 - Assumes sampling effluent and upstream and downstream of the discharge location
Travel Labor	\$/yr	Annual labor cost for worker to travel to site	NA	Calculated in Equation 10
Travel Time	hr	Time expected for worker to travel from the office to the site	2 hr	<i>AMDTreat</i> <sup>®</sup> v.4.1

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

#### 4.1.4 Maintenance Cost

The maintenance costs include the cost of labor to maintain the system and the cost of replacing portions of the caustic soda storage system. The labor cost associated with maintaining the caustic soda chemical precipitation system is based on the weekly site visits required by the operator to ensure the system is operating correctly. Mr. Mark Tercek of PBS Coals, Inc. reported that active treatment systems, including chemical precipitation using caustic soda, require operators to check the site daily (Wolford, 2007c). The maintenance labor cost does not depend on effluent water characteristics but rather the type of treatment system; therefore, the maintenance labor cost is the same for both effluent scenarios. The replacement cost is based on the total capital cost of the caustic soda treatment system that is calculated in Section 4.2.2.

Equation 13 calculates maintenance cost, including the labor required to maintain the chemical precipitation system and the cost of replacing malfunctioning equipment.

$$\text{Maintenance Cost} = \text{Visits per Week} * \{\text{Labor Time} + \text{Travel Time}\} * \text{Labor Cost} * \text{CF}_{\text{time}} + \text{Replacement Cost} \quad (13)$$

Equation 14 calculates the annual replacement cost of the caustic soda treatment system. This calculation assumes that the treatment system will be replaced periodically during the life of the system. The term “Rounddown{equation, 0}” represents the number of times in the life of the system that the caustic soda storage system will need replaced. For example, if the caustic soda storage system life is 20 years and the system life is 75 years, the caustic soda storage system will need replaced three times in the 75 year treatment period.

$$\text{Replacement Cost} = \frac{\text{Total Capital Cost}}{\text{System Life}} * \text{Rounddown}\left\{\frac{\text{System Life}}{\text{Capital System Life}}, 0\right\} \quad (14)$$

Table 4-5 describes the variables in the maintenance cost section of the caustic soda cost module shown in equations 13 and 14 and provides the values used in equations for both effluent scenarios.

Table 4-5. Maintenance Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Capital System Life	yr	Life span of the treatment system	20 yrs	EPA Assumption
CF <sub>time</sub>	wk/yr	Conversion factor for converting weeks to years	52 wk/yr	Constant
Labor Cost	\$/hr	Hourly rate for worker	\$35/hr	AMDTreat <sup>®</sup> v.4.1
Labor Time	hr	Time expected for worker to inspect the treatment system and ensure its working correctly	2 hr	AMDTreat <sup>®</sup> v.4.1
Maintenance Cost	\$/yr	Annual maintenance cost	NA	Calculated in Equation 13
Replacement Cost	\$/yr	Annual cost of replacing the treatment system	NA	Calculated in Equation 14
System Life	yr	Years the hydrated lime treatment system must treat the discharge	75 yrs	PA DEP Bureau of Mining and Reclamation Technical Guidance Document: Evaluating Postmining Discharges (PA DEP, 1997)
Total Capital Cost	\$	Total capital cost for hydrated lime system	NA	Calculated in Equation 18
Travel Time	hr	Time expected for worker to travel from the office to the site	2 hr	AMDTreat <sup>®</sup> v.4.1
Visits per Week	No./wk	Number of visits required to maintain the system per week	5/wk	Telecon with Mr. Tereck, PBS Coals (Tereck, 2007).

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

#### 4.1.5 Total Annual Cost

Equation 14 can be used to calculate the total annual costs for the caustic soda chemical precipitation system.

$$\text{Total Annual Cost} = \text{Annual Chemical Cost} + \text{Annual Sludge Cost} + \text{Annual Sampling Cost} + \text{Annual Maintenance Cost} \quad (14)$$

Table 4-6 describes the variables in the total annual cost section of the caustic soda cost module shown in equation 14 and provides the values used in equations for both effluent scenarios. The total annual cost variables are the same for both effluent scenarios.

**Table 4-6. Total Annual Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Annual Chemical Cost	\$/yr	Annual chemical cost	NA	Calculated in Equation 3
Maintenance Cost	\$/yr	Annual maintenance cost	NA	Calculated in Equation 13
Annual Sampling Cost	\$/yr	Annual sampling cost	NA	Calculated in Equation 12
Annual Sludge Cost	\$/yr	Annual cost of removing sludge	NA	Calculated in Equation 8
Total Annual Cost	\$/yr	Total annual cost	NA	Calculated in Equation 14

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

## 4.2 Capital Costs

The following sections describe the calculation of capital costs.

### 4.2.1 *Caustic Soda Storage Tank Cost*

EPA assumes that the caustic soda is purchased as a 99 percent solution and stored in storage tanks at the treatment system. The number of storage tanks required to store the annual caustic soda requirement depends on the storage tank size and chemical delivery frequency. The amount of caustic soda required is calculated in Section 4.1.1. EPA assumes that the caustic soda is delivered monthly and the storage tank is 2,500 gal.

Equation 15 can be used to calculate the number of storage tanks required to store the annual caustic soda. The term “Roundup{equation, 0}” represents the number of full tanks required to store all of the caustic soda because purchasing smaller tanks is not available. For example, if the system requires 4.2 storage tanks, the “Roundup” function changes the number to 5.

$$\text{Number of Tanks} = \text{Roundup}\left\{\frac{\text{NaOH}_{\text{req}}}{\text{Tank Volume} * \text{Delivery Frequency}}, 0\right\} \quad (15)$$

Equation 16 can be used to calculate the cost of the storage tanks.

$$\text{Storage Tank Cost} = \text{Number of Tanks} * \text{Tank Cost} \quad (16)$$

Table 4-7 describes the variables in the caustic soda storage tank cost section of the caustic soda cost module shown in equations 15 and 16 and provides the values used in the equations for each effluent scenario.

**Table 4-7. Caustic Soda Storage Tank Cost Variable Descriptions**

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Delivery Frequency	No./yr	Annual delivery frequency of caustic soda	12/yr	AMDTreat <sup>®</sup> v.4.1
NaOH <sub>req</sub>	gal/yr	Amount of caustic soda required to neutralize the net acidity	NA	Calculated in Equation 2
Number of Tanks	No.	Number of tanks required	NA	Calculated in Equation 15
Storage Tank Cost	\$	Total cost of storage tanks required	NA	Calculated in Equation 16
Tank Cost	\$	Cost of storage tank	\$ 2,000	AMDTreat <sup>®</sup> v.4.1
Tank Volume	gal	Size of caustic soda storage tank	2,500 gal	AMDTreat <sup>®</sup> v.4.1

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

#### 4.2.2 Total Capital Costs

The total capital cost includes the cost of the caustic soda storage tank(s), valves and piping, installation labor, chemical metering pump, and pH monitoring to ensure the correct amount of caustic soda is added. This cost module assumes that the number of valves, feeder line length, and installation system cost are independent of the number of caustic soda storage tanks and therefore are the same for both effluent scenarios. However, these costs are included for comparison to other cost modules for EPA's Detailed Study of the Coal Mining Industry.

Equation 17 can be used to calculate the piping costs for the caustic soda chemical precipitation system.

$$\text{Total Piping Cost} = \text{Valve Cost} * \text{Valves} + \text{Pipe Length} * \text{Pipe Cost} + \text{Pump Cost} + \text{pH Controller} + \text{pH Probe} \quad (17)$$

Equation 18 can be used to calculate the total capital costs for the caustic soda chemical precipitation system.

$$\text{Total Capital Cost} = \text{Storage Tank Cost} + \text{Installation Cost} * \text{Installation Hours} + \text{Total Piping Cost} \quad (18)$$

Table 4-8 describes the variables in the total capital cost section of the caustic soda cost module shown in equations 17 and 18 and provides the values used in the equations for each effluent scenario.

**Table 4-8. Total Capital Cost Variable Descriptions**

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Installation Cost	\$/hr	Hourly cost for installation of caustic soda system	\$ 35/hr	AMDTreat <sup>®</sup> v.4.1
Installation Hours	hr	Hours to install the caustic soda system	8 hr	AMDTreat <sup>®</sup> v.4.1

Table 4-8. Total Capital Cost Variable Descriptions

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
pH Controller	\$	Cost of PID pH proportional controller	\$ 1,875	AMDTreat <sup>®</sup> v.4.1
pH Probe	\$	Cost of pH probe	\$ 550	AMDTreat <sup>®</sup> v.4.1
Pipe Cost	\$/ft	Pipe cost	\$ 0.35/ft	AMDTreat <sup>®</sup> v.4.1
Pipe Length	ft	Piping length	20 ft	AMDTreat <sup>®</sup> v.4.1
Pump Cost	\$	Cost of chemical metering pump	\$ 3,000	AMDTreat <sup>®</sup> v.4.1
Storage Tank Cost	\$	Total cost of storage tanks required	NA	Calculated in Equation 16
Total Capital Cost	\$	Total capital cost for caustic soda system	NA	Calculated in Equation 18
Total Piping Cost	\$	Total cost of piping, valves, and pump and valves for caustic soda system	NA	Calculated in Equation 17
Valve Cost	\$/valve	Cost of valves for caustic soda system	\$ 50/valve	AMDTreat <sup>®</sup> v.4.1
Valves	No.	Number of valves in caustic soda system	2	AMDTreat <sup>®</sup> v.4.1

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 4.3 Effluent Scenario Cost Comparison

EPA is estimating the cost difference between using chemical precipitation and other treatment technologies to achieve two different effluent scenarios:

1. To meet all of the 40 CFR Part 434 limits (TSS, pH, iron, and manganese); and
2. To meet only the TSS, pH, and iron limits in 40 CFR Part 434.

Prior to calculating the cost difference, the capital costs must be annualized for each effluent scenario. Equations 19 and 20 calculate the total annualized costs for the caustic soda chemical precipitation system.

$$\text{Annualized Capital Cost} = \text{Total Capital Cost} * \frac{\{\text{Interest} * (1 + \text{Interest})^{\text{years}}\}}{(1 + \text{Interest})^{\text{years}} - 1} \quad (19)$$

$$\text{Total Annualized Cost} = \text{Annualized Capital Cost} + \text{Total Annual Cost} \quad (20)$$

Equation 21 compares the total annualized cost for effluent scenario 1 with the total annualized cost for effluent scenario 2.

$$\text{Net Annual Cost} = \text{Total Annualized Cost}_{\text{Effluent Scenario 1}} - \text{Total Annualized Cost}_{\text{Effluent Scenario 2}} \quad (21)$$

Table 4-9 describes the variables in the effluent scenario cost comparison section of the caustic soda cost module shown in equations 19, 20, and 21 and provides the values used in the equations for each effluent scenario.

**Table 4-9. Effluent Scenario Cost Comparison Variable Descriptions**

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Annualized Capital Cost	\$/yr	Annualized capital cost for caustic soda treatment system	NA	Calculated in Equation 19
Interest	%	Interest rate for annualization	10 %	EPA
Net Annual Cost	\$/yr	Net annual cost to increase from pH 8.3 to pH 10 using caustic soda treatment system	NA	Calculated in Equation 21
Total Annual Cost	\$/yr	Total annual cost	NA	Calculated in Equation 14
Total Annualized Cost	\$/yr	Total annualized cost (capital and annual) for caustic treatment system	NA	Calculated in Equation 20
Total Capital Cost	\$	Total capital cost for caustic soda system	NA	Calculated in Equation 18
Years	yr	Years for annualization calculation	75 yr	<i>PA DEP Bureau of Mining and Reclamation Technical Guidance Document: Evaluating Postmining Discharges (PA DEP, 1997)</i>

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

---

## 5.0 REFERENCES

1. Kirby, Carl S. and Charles A. Cravotta III. 2005a. *Net Alkalinity and Net Acidity I: Theoretical Considerations*. Applied Geochemistry 20 (2005) 1920 – 1940. Available online at <http://www.sciencedirect.com>. (September 19). EPA-HQ-OW-2006-0771-0010.
2. Kirby, Carl S and Charles A. Cravotta III. 2005b. *Net Alkalinity and Net Acidity2: Practical Considerations*. Applied Geochemistry 20 (2005) 1920 – 1940. Available online at <http://www.sciencedirect.com>. (September 19). EPA-HQ-OW-2006-0771-0140.
3. Means, Brent and Tiff Hilton. 2004. *Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage*. 2004 National Meeting of the American Society of Mining and Reclamation. Lexington, KY. Unknown. EPA-HQ-OW-2006-0771-0142.
4. PA DEP. Pennsylvania Department of Environmental Protection. 1997. *PA DEP Bureau of Mining and Reclamation Technical Guidance Document: Evaluating Postmining Discharges*. TGD 563-2504-412. (May 30). EPA-HQ-OW-2006-0771 DCN 04265.
5. U.S. EPA. 1982. *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category*. EPA-440/1-82/009. Washington, DC. (June).
6. U.S. EPA. 2000. “Wastewater Technology Fact Sheet: Chemical Precipitation.” Washington, D.C. EPA 832-F-00-018. (September). EPA-HQ-OW-2006-0771-0476.
7. Wolford, Jessica. Eastern Research Group, Inc. 2007a. Personal communication with Mr. Brent Means, Office of Surface Mining, Reclamation, and Enforcement. (June). EPA-HQ-OW-2006-0771-0065.
8. Wolford, Jessica. Eastern Research Group, Inc. 2007b. Personal communication with Mr. John Wilk, Pennsylvania Department of Environmental Protection. (May). EPA-HQ-OW-2006-0771-0195.
9. Wolford, Jessica. Eastern Research Group, Inc. 2007c. Personal communication with Mr. Mark Tercek, PBS Coals, Inc. (May). EPA-HQ-OW-2006-0771-0477.



**Attachment A – *AMDTreat*<sup>®</sup> v.4.1 Default Values for Caustic Soda Chemical Precipitation  
Cost Module**

**Table A-1. AMDTreat<sup>®</sup> v.4.1 Default Values for the Caustic Soda Chemical Precipitation Cost Module**

<b>Variable</b>	<b>Variable Description</b>	<b>AMDTreat<sup>®</sup> v.4.1 Default Value</b>	<b>Equation Reference</b>
% Solids	Ratio of the weight of solids to the weight of water	5 %	4, 5, 6, 7
Caustic Soda Cost	Cost of caustic soda	\$ 0.70/gal	3
Collection Time	Average time expected for the worker to collect one sample	0.33 hr	9
Delivery Frequency	Annual delivery frequency of caustic soda	12/yr	15
Density <sub>NaOH</sub>	Density of 99 % purity sodium hydroxide solution	0.49 lb/gal	2
Density <sub>Sludge</sub>	Density of solids and water in sludge	8.33 lb/gal	4, 5, 6, 7
Efficiency	Mixing efficiency of caustic soda with discharge	100 %	2
Installation Cost	Hourly cost for installation of caustic soda system	\$ 35/hr	18
Installation Hours	Hours to install the caustic soda system	8 hr	18
Labor Cost	Hourly rate for worker	\$ 35.00/hr	9, 10, 13
Labor Time	Time expected for worker to inspect the treatment system and ensure its working correctly	2 hr	13
Monthly Frequency	Number of samples collected per month	2/month	9, 10, 11
pH Controller	Cost of PID pH proportional controller	\$ 1,875	17
pH Probe	Cost of pH probe	\$ 550	17
Pipe Cost	Pipe cost	\$ 0.35/ft	17
Pipe Length	Piping length	20 ft	17
Pump Cost	Cost of chemical metering pump	\$ 3,000	17
Purity	Purity of caustic soda	99 %	2
Removal Cost	Cost of removing sludge	\$ 0.06/gal	8
Sample Cost	Cost of laboratory analysis for one sample for all analytical tests	\$ 27.00/sample	11
Sampling Points	Number of sampling points in treatment system	3	9, 11
Tank Cost	Cost of storage tank	\$ 2,000	16
Tank Volume	Size of caustic soda storage tank	2,500 gal	15
Travel Time	Time expected for worker to travel from the office to the site	2 hr	10, 13
Valve Cost	Cost of valves for caustic soda system	\$ 50/valve	17
Valves	Number of valves in caustic soda system	2	17

**Appendix C**

**DRAFT ACID MINE DRAINAGE TREATMENT COST MODULE: CHEMICAL  
PRECIPITATION USING HYDRATED LIME**

---

---

**Draft Acid Mine Drainage Treatment Cost Module:  
Chemical Precipitation Using Hydrated Lime**  
August 16, 2007

**Disclaimer:** This is a draft module for a cost estimation tool. EPA developed this module for the Detailed Study of the Coal Mining Point Source Category (40 CFR Part 434) to estimate the cost difference between treating acid mine drainage (AMD) using hydrated lime chemical precipitation over a range of flows:

- To meet all of the 40 CFR Part 434 limits (TSS, pH, iron, and manganese); and
- To meet only the TSS, pH, and iron limits in 40 CFR Part 434.

The costs are based on calculations and default values provided in the *AMDTreat*<sup>®</sup> software that was developed cooperatively by the Pennsylvania Department of Environmental Protection (PA DEP), West Virginia Department of Environmental Protection (WV DEP), and the U.S. Department of Interior, Office of Surface Mining Reclamation and Enforcement (OSMRE). The default values from *AMDTreat*<sup>®</sup> that are used in the lime chemical precipitation module are presented in Attachment A.

OSMRE verifies treatment costs roughly annually, and the most recent version of *AMDTreat*<sup>®</sup>, version 4.1, expresses costs in 2006 dollars. *AMDTreat*<sup>®</sup> v.4.1 has not been peer reviewed (Wolford, 2007a).

## **1.0 MODULE METHODOLOGY**

This module estimates the costs associated with installing and operating a hydrated lime ( $\text{Ca}(\text{OH})_2$ ) chemical precipitation system for treating AMD. Chemical precipitation using hydrated lime has been used widely to neutralize acidity and precipitate metal ions in AMD since the passage of the Surface Mining, Control, and Reclamation Act of 1977 (SMCRA) and the Coal Mining Effluent Guidelines and Standards (40 CFR Part 434). EPA is estimating the cost difference between using chemical precipitation to achieve two different effluent scenarios:

- To meet all of the 40 CFR Part 434 limitations (TSS, pH, iron, and manganese); and
- To meet only the TSS, pH, and iron limitations of 40 CFR Part 434.

40 CFR Part 434 defines AMD as mine drainage that, before treatment, either has a pH of less than 6.0 or a total iron concentration equal to or greater than 10 mg/L. The limitations for AMD are in 40 CFR Part 434 Subpart C, shown in Table 1-1 (BAT) and Table 1-2 (NSPS). The best available control technology (BAT) limitations apply to coal mines that were constructed prior to May 4, 1984. The new source performance standards (NSPS) limitations apply to coal mines that were constructed after May 4, 1984. EPA assumes that the majority of the coal mines are required to meet the NSPS limitations and will use the limitations presented in Table 1-2 for the effluent scenarios.

**Table 1-1. BAT Effluent Guidelines for Coal Mining Part 434, Subpart C<sup>a</sup>**

Parameter	30-day Average (mg/L)	Daily Maximum (mg/L)
Total Suspended Solids (TSS)	35	70
pH	within range of 6 to 9	within range of 6 to 9
Iron, Total	3.5	7.0
Manganese, Total	2.0	4.0

Source: *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category* (U.S. EPA, 1982).

NA – Not applicable.

<sup>a</sup>Subpart C – Acid of Ferruginous Mine Drainage applies to coal mines in EPA’s Detailed Study of the Coal Mining Industry.

**Table 1-2. NSPS Effluent Guidelines for Coal Mining Part 434, Subpart C<sup>a</sup>**

Parameter	30-day Average (mg/L)	Daily Maximum (mg/L)
Total Suspended Solids (TSS)	35	70
pH	within range of 6 to 9	within range of 6 to 9
Iron, Total	3.0	6.0
Manganese, Total	2.0	4.0

Source: *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category* (U.S. EPA, 1982).

NA – Not applicable.

<sup>a</sup>Subpart C – Acid of Ferruginous Mine Drainage applies to coal mines in EPA’s Detailed Study of the Coal Mining Industry.

Under the first effluent scenario, EPA estimates the cost to remove pollutants to meet all the NSPS limitations in Table 1-2. Under the second effluent scenario, EPA estimates the costs to remove all pollutants except manganese to the NSPS limitations level required by 40 CFR Part 434 presented in Table 1-2.

## 1.1 Process Description

Chemical precipitation is widely used in the coal mining industry to meet NPDES permit limitations. This section describes chemical precipitation in general (Section 2.1) and how it specifically applies to AMD (Section 2.2).

## 1.2 Chemical Precipitation

Chemical precipitation involves removing metallic contaminants from aqueous solutions by converting soluble, heavy metals to insoluble salts. The precipitated solids are then removed from solution by flocculation followed by sedimentation and/or filtration. Precipitation is caused by the addition of chemical reagents that adjust the pH of the water to the minimum solubility of the metal. The standard reagents include the following (U.S. EPA, 2000):

- Lime (calcium hydroxide);
- Caustic (sodium hydroxide);
- Magnesium hydroxide;
- Soda ash (sodium carbonate);

- Trisodium phosphate;
- Sodium sulfide; and
- Ferrous sulfide.

These reagents precipitate metals as hydroxides, carbonates, phosphates, and sulfates. The precipitated metals form sludge. Over time, the accumulated sludge must be removed from the treatment system.

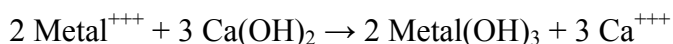
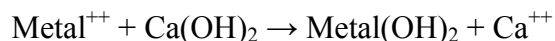
### 1.3 Chemical Precipitation of AMD

The majority of coal mines treating AMD use lime or caustic for precipitation. Metals commonly targeted for removal from solution by precipitation include iron, manganese, and aluminum.

Figure 2-1 shows an example hydrated lime chemical precipitation process:

- The AMD is aerated, often by gravity flow and sprays, to increase the dissolved oxygen in the discharge. The increased dissolved oxygen allows some metals to oxidize and form metal hydroxides, such as ferric hydroxide (Fe(OH)<sub>3</sub>).
- The first settling pond removes the majority of the metal hydroxides that formed due to aeration.
- The hydrated lime chemical precipitant is added to the discharge in a mixing tank to create a slurry solution of hydrated lime and untreated AMD. The remaining dissolved metals, such as manganese and magnesium, are oxidized to an insoluble form in the mixing tank.
- The remaining settling ponds remove the suspended insoluble metal hydroxides.

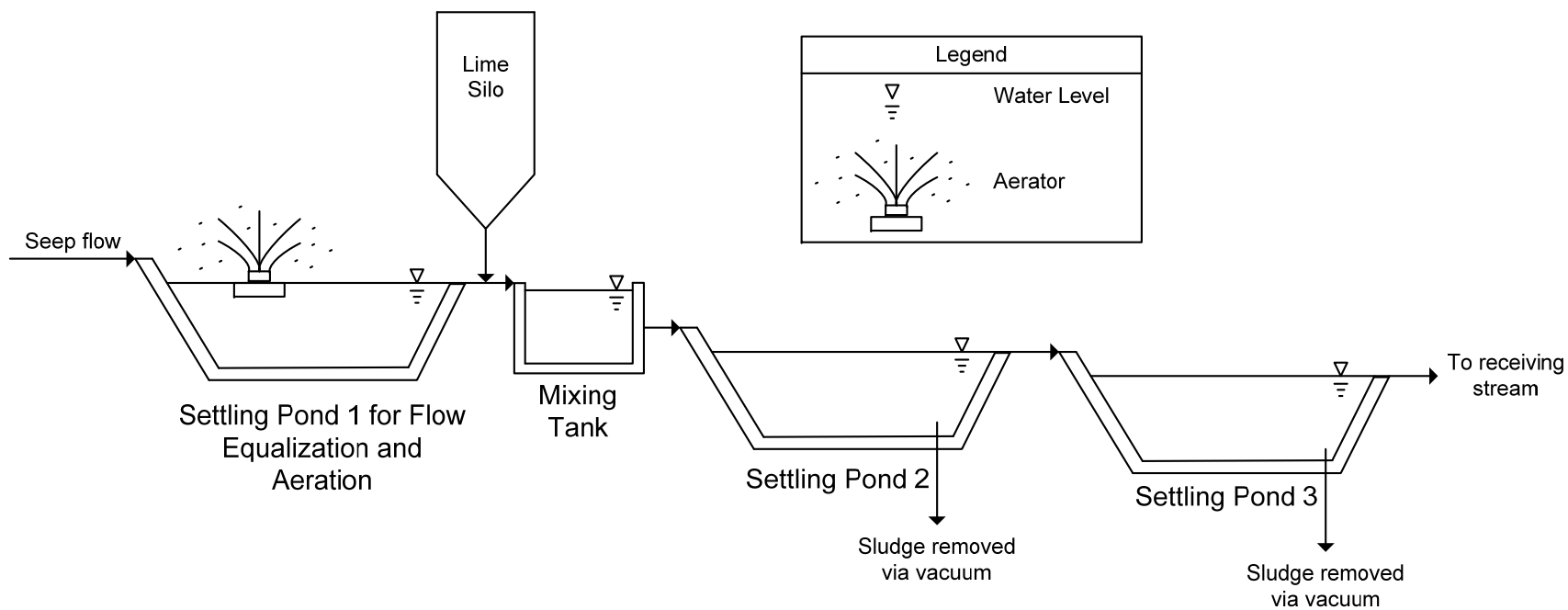
Hydroxide precipitation normally involves using lime (Ca(OH)<sub>2</sub>) or caustic soda (NaOH) as a precipitant to remove metals as insoluble metal hydroxides. The reaction is illustrated by the following equations for precipitation of divalent and trivalent metals using lime:



The effluent metals concentration attained by hydroxide precipitation depends on the metals present and reaction conditions. Many scientists have studied metals removal from AMD, particularly the difficulty of removing manganese. Two studies in particular address EPA's question of the incremental cost to remove manganese:

- Kirby and Cravotta: Net Alkalinity and Net Acidity 1: Theoretical Considerations (Kirby, 2005a) and Net Alkalinity and Net Acidity 2: Practical Considerations (Kirby, 2005b). Attachment B contains these articles.
- Means and Hilton: Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage (Means, 2004). Attachment C contains this article.

While scientists have found that iron will precipitate quickly at a pH near 7, manganese precipitates quickly only when the pH is raised to 9 or 10 (Means, 2004). Figure 2-2 illustrates the solubility curves from research performed by Dr. Chuck Cravotta, U.S.G.S., for metals commonly in AMD, showing solubilities relative to pH.



**Figure 2-1. Example AMD Chemical Precipitation Treatment System using Hydrated Lime**



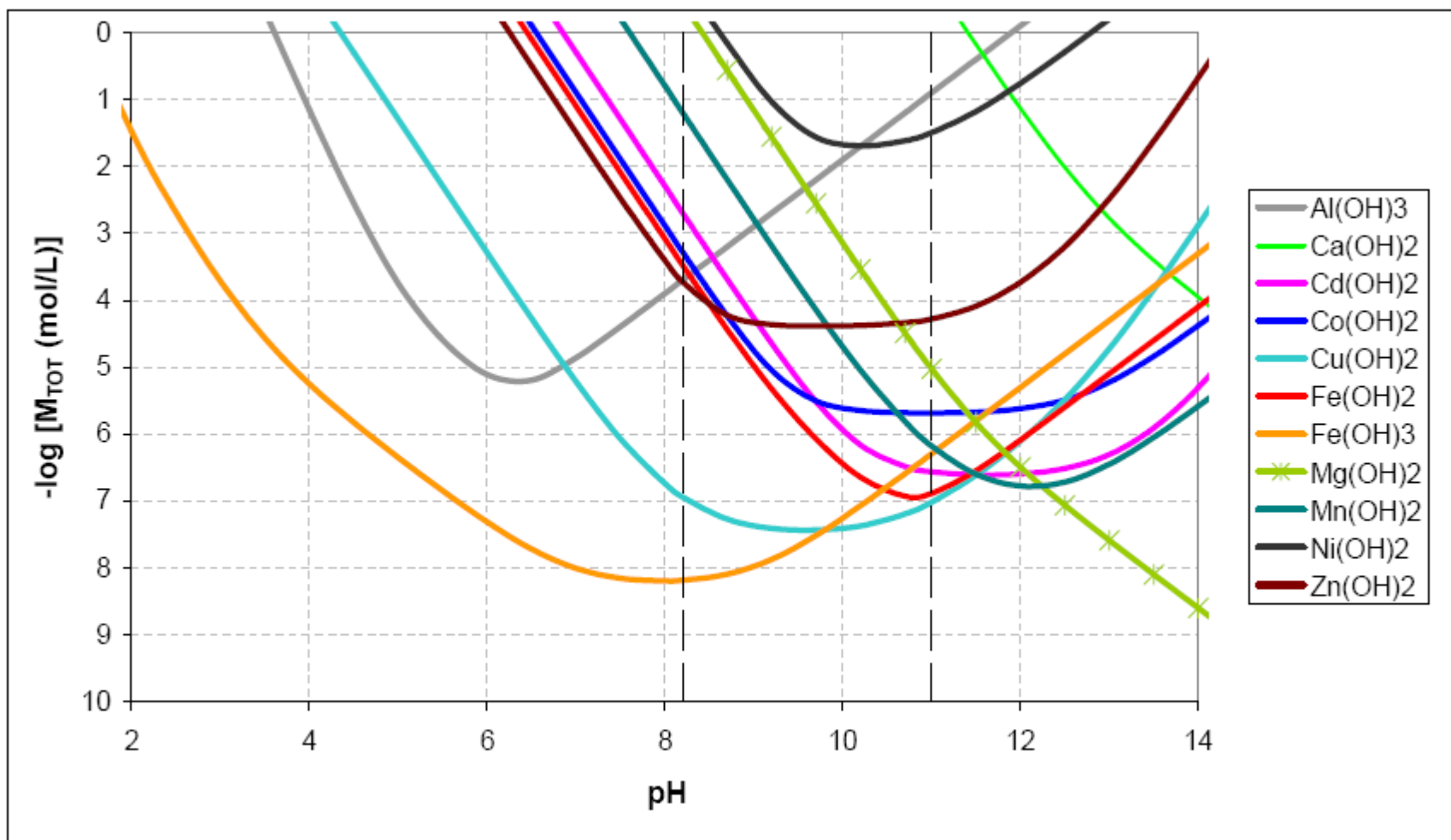


Figure 2-2. Comparison of Metal Hydroxide Solubilities for Constituents Commonly Found in Acidic Mine Drainage (Means, 2004)

## 2.0 DESIGN CONSIDERATIONS

This cost module considers the costs required for chemical precipitation using hydrated lime ( $\text{Ca}(\text{OH})_2$ ). EPA is estimating the cost of treating AMD with chemical precipitation using caustic ( $\text{NaOH}$ ) and with a limestone bed in separate cost modules (see “Draft Acid Mine Drainage Treatment Cost Module: Chemical Precipitation Using Caustic Soda” and “Draft Acid Mine Drainage Treatment Cost Module: Limestone Bed,” both dated August 2007 (see Appendix C and E of the Coal Mining Detailed Study Report)). EPA considered the amount of hydrated lime required to adjust the pH to a given level, the amount of sludge generated and the cost of its removal, and the required operating labor.

EPA assumes that the annual costs for electricity and land requirements are approximately equal under both effluent scenarios. For this reason, EPA did not consider the cost of obtaining or leasing the land for the treatment system or other capital equipment costs or electricity needs in its estimate of annual costs.

## 3.0 COST MODULE CALCULATIONS

EPA is estimating costs to treat AMD with chemical precipitation using hydrated lime to achieve two different effluent scenarios:

- To meet all of the 40 CFR Part 434 limitations (TSS, pH, iron, and manganese); and
- To meet only the TSS, pH, and iron limitations of 40 CFR Part 434.

Table 4-1 presents the limits for each of the effluent scenarios. The difference between the effluent scenarios is that effluent scenario 1 meets the current manganese limits while effluent scenario 2 does not incorporate any change in manganese concentration. For calculation purposes, only the 30-day limit is considered, because it is lower than the daily maximum limit.

**Table 4-1. Effluent Discharge Limitations for Effluent Scenarios**

Parameter	Effluent Scenario 1		Effluent Scenario 2	
	NSPS 30-Day Average (mg/L)	NSPS Daily Maximum (mg/L)	NSPS 30-day Average (mg/L)	NSPS Daily Maximum (mg/L)
Total Suspended Solids (TSS)	35	70	35	70
pH	within range of 6 to 9	within range of 6 to 9	within range of 6 to 9	within range of 6 to 9
Iron, Total	3.0	6.0	3.0	6.0
Manganese, Total	2.0	4.0	NA	NA

Source: *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category* (U.S. EPA, 1982).

NA – Not applicable.

The first effluent scenario will be achieved by treating the AMD to pH 10 using hydrated lime, based on the solubility of the metals. EPA assumes that at pH 10 the effluent will result in the following characteristics based on the metals solubilities from Figure 2-2 (Means, 2004):<sup>1</sup>

- Iron at 3.0 mg/L;
- Manganese at 2.0 mg/L;
- A 99 percent reduction in aluminum from untreated; and
- A 10 percent reduction in magnesium from untreated.

Although the hydrated lime addition results in pH 10 for effluent scenario 1, after the settling ponds where the metal hydroxides are removed the pH will decrease and meet the limitation in Table 4-1 prior to discharge.

The second effluent scenario will be achieved by treating the AMD to pH 8.3 using hydrated lime. EPA assumes that at pH 8.3 the effluent will result in the following characteristics based on the metals solubilities from Figure 2-2 (Means, 2004):<sup>2</sup>

- Iron at 3.0 mg/L;
- A 10 percent reduction in magnesium from untreated;
- A 99 percent reduction in aluminum from untreated; and
- A 10 percent reduction in magnesium from untreated.

Additionally, the final pH will remain in the range of 6 to 9 to meet the limitation.

For both effluent scenarios the cost module includes the following items:

- Annual Costs (Section 4.1) including:
  - Chemicals cost (Section 4.1.1);
  - Sludge removal cost (Section 4.1.2);
  - Sampling cost (Section 4.1.3); and
  - Maintenance cost (Section 4.1.4) that includes maintenance labor and the annual cost for replacement of chemical storage system every 20 years.
- Capital Costs (Section 4.2) including:
  - Chemicals storage cost (Section 4.2.1); and
  - Mixing tank cost (Section 4.2.2).

---

<sup>1</sup> EPA received comments from Dr. Charles Cravotta (U.S.G.S.) and Mr. Brent Means (OSMRE), regarding EPA's assumption that Part 434 limits would be achieved if pH is adjusted to a certain point (i.e., that the iron monthly average limit of 3.0 mg/L would be achieved if pH is adjusted to 8.3, and that the manganese monthly average limit of 2 mg/L would be achieved if pH is adjusted to 10). Both scientists point out the limitations of such assumptions. Dr. Cravotta has demonstrated that effluent pH may be a poor means of quantifying the effluent quality. That is, in some cases, especially when ferrous iron is present in the AMD, an effluent pH of 8.3 may still result in effluent iron levels that consistently exceed the 3.0 mg/L monthly limit. EPA is considering refining future treatment cost estimates with continued input from Dr. Cravotta and Mr. Means, and EPA recognizes that the cost estimates resulting from these modules represent gross cost estimates. For this stage of EPA's evaluation of the Detailed Study of the Coal Mining Industry, these gross cost estimates sufficiently address EPA's question of how much extra cost the industry incurs to treat AMD for manganese, rather than solely for iron.

<sup>2</sup> Ibid.

The sampling cost and maintenance cost will be the same for each effluent scenario because these portions of the cost module do not depend on effluent water characteristics. Therefore, the sampling cost and maintenance cost for each effluent scenario will off-set when the total costs are compared. However, these costs are included for comparison to other costing modules in EPA's Detailed Study of the Coal Mining Industry.

### 3.1 Annual Costs

The following sections describe the calculations of annual costs.

#### 3.1.1 *Chemical Cost*

Under the first effluent scenario, EPA is estimating the cost of hydrated lime to reach approximately pH 10. EPA assumes that at pH 10 the effluent will meet the 40 CFR Part 434 NSPS iron (3 mg/L 30-day average) and manganese (2 mg/L 30-day average) limitations based on the solubility of these metals, presented in Figure 2-2 (Means, 2004). Under the second effluent scenario, EPA is estimating the cost of hydrated lime to reach approximately pH 8.3. EPA assumes that at pH 8.3 the effluent will meet the 40 CFR Part 434 NSPS iron (3 mg/L 30-day average) limitation but will not meet the manganese (2 mg/L 30-day average) limitation (Means, 2004).<sup>3</sup>

The amount of hydrated lime required annually depends on three things:

1. Net acidity;
2. Discharge flow rate; and
3. The additional acidity required to increase the pH to the desired level.

The net acidity is estimated based on pH, metals concentrations (specifically ferrous and ferric iron, manganese, and aluminum), additional acidity liberated to achieve pH 10, and alkalinity. Equation 1 calculates the net acidity.

---

<sup>3</sup> EPA received comments from Dr. Charles Cravotta (U.S.G.S.) and Mr. Brent Means (OSMRE), regarding EPA's assumptions that 1) a multiplier of 4 accounts for the additional acidity liberated when raising pH to 10 to settle manganese and 2) that Part 434 limits would be achieved if pH is adjusted to a certain point (i.e., that the iron monthly average limit of 3.0 mg/L would be achieved if pH is adjusted to 8.3, and that the manganese monthly average limit of 2 mg/L would be achieved if pH is adjusted to 10). Both scientists point out the limitations of such assumptions. 1) Mine drainage chemistry is complex and variable. In some AMD, as demonstrated in *Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage* (Means, 2004), there may be little additional acidity liberated when titrating pH to 10. For AMD with these characteristics, the multiplier of 4 overestimates the amount of treatment chemical required to adjust pH for manganese treatment. 2) Dr. Cravotta has demonstrated that effluent pH may be a poor means of quantifying the effluent quality. That is, in some cases, especially when ferrous iron is present in the AMD, an effluent pH of 8.3 may still result in effluent iron levels that consistently exceed the 3.0 mg/L monthly limit. EPA is considering refining future treatment cost estimates with continued input from Dr. Cravotta and Mr. Means, and EPA recognizes that the cost estimates resulting from these modules represent gross cost estimates. For this stage of EPA's evaluation of the Detailed Study of the Coal Mining Industry, these gross cost estimates sufficiently address EPA's question of how much extra cost the industry incurs to treat AMD for manganese, rather than solely for iron.

$$\text{Net Acidity} = 50 * \left\{ (1000 * 10^{-\text{pH}}) + \frac{2 * \text{Fe}^{2+} + 3 * \text{Fe}^{3+}}{55.842} + \frac{2 * \text{Mn}}{54.93807} + \frac{3 * \text{Al}}{26.9815386} \right\} * \text{Acidity Multiplier} - \text{Alkalinity} \quad (1)$$

where:

- Acidity Multiplier. A factor accounting for additional acidity liberated to achieve pH 10;
- Net acidity. Laboratory-measured acidity; and
- Alkalinity. Laboratory-measured alkalinity.

The acidity multiplier is derived from the Means and Hilton article entitled *Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage*, in Attachment C. The scientists found that the Standard Method (SM) 2310 for hot acidity is often not a valid expression of acidity for waters with pH’s greater than 8.2. The article concludes that when adding caustic to adjust pH for manganese precipitation (i.e., to increase the pH to 10), plant operators must consider the amount of caustic consumed by magnesium and other ions. The amount of caustic consumed by magnesium and other ions at pH’s above 10 is not accounted for by SM 2310. (Means, 2004)

As a result, EPA used data from the Means and Hilton article to estimate the additional caustic needed when adjusting pH above 8.3. Means and Hilton provide data for four different discharges of AMD (Means, 2004). EPA selected the “worst case scenario,” or the data for the AMD requiring the greatest additional caustic to increase the pH to 10, for manganese removal. The data demonstrate that to adjust pH from 8.3 to 10, roughly three times the amount of caustic is necessary, and the acidity multiplier is 4.

The amount of hydrated lime required to achieve a specific pH is based on the net acidity is based on the discharge flow rate, mixing efficiency, and caustic soda purity. Equation 2 calculates the amount of hydrated lime required to achieve a specific pH (pH 10 for effluent scenario 1 and pH 8.3 for effluent scenario 2).

$$\text{Ca(OH)}_{2,\text{req}} = \text{Net Acidity} * \text{Flow} * \frac{\text{MW}_{\text{Ca(OH)}_2}}{\text{MW}_{\text{CaCO}_3}} * \frac{100}{\text{Purity}} * \frac{100}{\text{Efficiency}} * \text{CF}_{\text{weight}} * \text{CF}_{\text{time}} * \text{CF}_{\text{volume}} \quad (2)$$

Equation 3 calculates the annual cost of hydrated lime required to neutralize the net acidity.

$$\text{Annual Chemical Cost} = \text{Ca(OH)}_{2,\text{req}} * \text{Hydrated Lime Cost} \quad (3)$$

Table 4-2 describes the variables in the chemical cost section of the hydrated lime cost module shown in equations 1, 2, and 3 and provides the values used in the equations for each effluent scenario.

Table 4-2. Chemical Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
Acidity Multiplier	None	Multiplier of additional acidity liberated when increasing the pH from 8.3 to 10	4	<i>Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage</i> (Means, 2004)	0	<i>Net Alkalinity and Net Acidity 2: Practical Considerations</i> (Kirby, 2005b)
Alkalinity	mg CaCO <sub>3</sub> /L	Alkalinity in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Annual Chemical Cost	\$/yr	Annual cost of hydrated lime	NA	Calculated in Equation 3	NA	Calculated in Equation 3
Ca(OH) <sub>2,req</sub>	lb/yr	Amount of 96 % purity hydrated lime required to neutralize net acidity	NA	Calculated in Equation 2	NA	Calculated in Equation 2
CF <sub>time</sub>	min/yr	Conversion factor for converting minutes to years	525,600 min/yr	Constant	525,600 min/yr	Constant
CF <sub>volume</sub>	L/gal	Conversion factor for converting liters to gallons	3.785 L/gal	Constant	3.785 L/gal	Constant
CF <sub>weight</sub>	lb/mg	Conversion factor for converting pounds to milligrams	2.205 x 10 <sup>-6</sup> lb/mg	Constant	2.205 x 10 <sup>-6</sup> lb/mg	Constant
Efficiency	%	Mixing efficiency of hydrated lime with discharge	80 %	AMDTreat <sup>®</sup> v.4.1	80 %	AMDTreat <sup>®</sup> v.4.1
Fe <sup>2+</sup>	mg/L	Ferrous iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Fe <sup>3+</sup>	mg/L	Ferric iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Flow	gal/min	Discharge flow	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Hydrated Lime Cost	\$/lb	Cost of hydrated lime	\$ 0.10/lb	AMDTreat <sup>®</sup> v.4.1	\$ 0.10/lb	AMDTreat <sup>®</sup> v.4.1
Mn	mg/L	Manganese concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
MW <sub>Ca(OH)<sub>2</sub></sub>	g/mol	Molecular weight for hydrated lime	74.09268 g/mol	Constant	74.09268 g/mol	Constant
MW <sub>CaCO<sub>3</sub></sub>	g/mol	Molecular weight for hydrated lime	100.0869 g/mol	Constant	100.0869 g/mol	Constant

Table 4-2. Chemical Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
Net Acidity	mg CaCO <sub>3</sub> /L	Discharge net acidity	NA	Calculated in Equation 1	NA	Calculated in Equation 1
pH	Standard units	Untreated discharge pH	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Purity	%	Purity of hydrated lime	96 %	<i>AMDTreat</i> <sup>®</sup> v.4.1	96 %	<i>AMDTreat</i> <sup>®</sup> v.4.1

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 3.1.2 Sludge Removal Cost

The sludge generated annually depends on the water chemistry, such as final pH and iron concentrations, and settling pond retention time. EPA assumes that when the discharge reaches pH 10 for effluent scenario 1, the following effluent quality will be achieved based on metal solubilities from Figure 2-2 (Means, 2004):<sup>4</sup>

- Iron at 3.0 mg/L;
- Manganese at 2.0 mg/L;
- A 99 percent reduction in aluminum from untreated; and
- A 10 percent reduction in magnesium from untreated.

EPA assumes that when the discharges reaches pH 8.3 for effluent scenario 2, the following effluent quality will be achieved based on metals solubilities from Figure 2-2 (Means, 2004):<sup>5</sup>

- Iron at 3.0 mg/L;
- A 10 percent reduction in magnesium from untreated;
- A 99 percent reduction in aluminum from untreated; and
- A 10 percent reduction in magnesium from untreated.

This cost module does not include the amount of sludge generated from other insoluble metal hydroxides; however, it overestimates sludge resulting from the iron, aluminum, manganese, and magnesium.

Equations 4, 5, 6, and 7 calculate the amount of sludge generated from aluminum, iron, manganese, and magnesium, respectively. Equation 8 calculates the annual sludge removal cost.

$$\text{Sludge}_{\text{Al}} = (\text{Al} * \text{Al}_{\text{reduction}}) * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (4)$$

$$\text{Sludge}_{\text{Fe}} = \{(\text{Fe}^{3+} + \text{Fe}^{2+}) - \text{Fe}_{\text{limit}}\} * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (5)$$

$$\text{Sludge}_{\text{Mn}} = (\text{Mn} - \text{Mn}_{\text{limit}}) * \text{Mn}_{\text{reduction}} * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (6)$$

<sup>4</sup> EPA received comments from Dr. Charles Cravotta (U.S.G.S.) and Mr. Brent Means (OSMRE), regarding EPA's assumption that Part 434 limits would be achieved if pH is adjusted to a certain point (i.e., that the iron monthly average limit of 3.0 mg/L would be achieved if pH is adjusted to 8.3, and that the manganese monthly average limit of 2 mg/L would be achieved if pH is adjusted to 10). Both scientists point out the limitations of such assumptions. Dr. Cravotta has demonstrated that effluent pH may be a poor means of quantifying the effluent quality. That is, in some cases, especially when ferrous iron is present in the AMD, an effluent pH of 8.3 may still result in effluent iron levels that consistently exceed the 3.0 mg/L monthly limit. EPA is considering refining future treatment cost estimates with continued input from Dr. Cravotta and Mr. Means, and EPA recognizes that the cost estimates resulting from these modules represent gross cost estimates. For this stage of EPA's evaluation of the Detailed Study of the Coal Mining Industry, these gross cost estimates sufficiently address EPA's question of how much extra cost the industry incurs to treat AMD for manganese, rather than solely for iron. The costs estimated for sludge removal represent between 0.1 percent and 30 percent of the total annualized cost.

<sup>5</sup> Ibid.



$$\text{Sludge}_{\text{Mg}} = (\text{Mg} * \text{Mg}_{\text{reduction}}) * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (7)$$

$$\text{Annual Sludge Cost} = \{\text{Sludge}_{\text{Al}} + \text{Sludge}_{\text{Fe}} + \text{Sludge}_{\text{Mn}} + \text{Sludge}_{\text{Mg}}\} * \text{Removal Cost} \quad (8)$$

Table 4-3 describes the variables in the sludge removal cost section of the hydrated lime cost module shown in equations 4, 5, 6, 7, and 8 and provides the values used in the equations for each effluent scenario.

Table 4-3. Sludge Removal Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
% Solids	%	Ratio of the weight of solids to the weight of water	5 %	AMDTreat <sup>®</sup> v.4.1	5 %	AMDTreat <sup>®</sup> v.4.1
Al	mg/L	Aluminum concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Al <sub>reduction</sub>	%	Percent reduction of aluminum from untreated to final effluent	99 %	Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage (Means, 2004)	99 %	Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage (Means, 2004)
Annual Sludge Cost	\$/yr	Annual cost of removing sludge	NA	Calculated in Equation 8	NA	Calculated in Equation 8
CF <sub>time</sub>	min/yr	Conversion factor for converting minutes to years	525,600 min/yr	Constant	525,600 min/yr	Constant
CF <sub>volume</sub>	L/gal	Conversion factor for converting liters to gallons	3.785 L/gal	Constant	3.785 L/gal	Constant
CF <sub>weight</sub>	mg/lb	Conversion factor for converting milligrams to pounds	454,000 mg/lb	Constant	454,000 mg/lb	Constant
Density <sub>sludge</sub>	lb/gal	Density of solids and water in sludge	8.33 lb/gal	AMDTreat <sup>®</sup> v.4.1 - Assumes same as water density	8.33 lb/gal	AMDTreat <sup>®</sup> v.4.1 - Assumes same as water density
Fe <sup>2+</sup>	mg/L	Ferrous iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Fe <sup>3+</sup>	mg/L	Ferric iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Fe <sub>limit</sub>	mg/L	Effluent limit for iron	3.0 mg/L	40 CFR Part 434	3.0 mg/L	40 CFR Part 434
Flow	gpm	Discharge flow	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Mg	mg/L	Magnesium concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics

Table 4-3. Sludge Removal Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
Mg <sub>reduction</sub>	mg/L	Percent reduction of magnesium from untreated to final effluent	10 %	<i>Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage</i> (Means, 2004)	0 %	<i>Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage</i> (Means, 2004)
Mn	mg/L	Manganese concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Mn <sub>limit</sub>	mg/L	Effluent limit for manganese	2.0 mg/L	40 CFR Part 434	0	Effluent value will be estimated based on performance data received from coal mines with chemical precipitation
Removal Cost	\$/gal	Cost of removing sludge	\$ 0.06/gal	<i>AMDTreat</i> <sup>®</sup> v.4.1	\$ 0.06/gal	<i>AMDTreat</i> <sup>®</sup> v.4.1
Sludge <sub>Al</sub>	gal/yr	Amount of sludge generated from the precipitation of aluminum	NA	Calculated in Equation 4	NA	Calculated in Equation 4
Sludge <sub>Fe</sub>	gal/yr	Amount of sludge generated from the precipitation of iron	NA	Calculated in Equation 5	NA	Calculated in Equation 5
Sludge <sub>Mg</sub>	gal/yr	Amount of sludge generated from the precipitation of magnesium	NA	Calculated in Equation 7	NA	Calculated in Equation 7
Sludge <sub>Mn</sub>	gal/yr	Amount of sludge generated from the precipitation of manganese	NA	Calculated in Equation 6	NA	Calculated in Equation 6

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 3.1.3 Sampling Cost

The annual sampling cost includes the labor for collecting the samples and the sampling lab analysis costs. This cost module assumes that the number of samples required yearly is independent of the flow, net acidity, raw AMD metals concentrations, or treatment technology. Based on conversations with coal mine wastewater treatment operators, sampling is only conducted to meet the NPDES permit requirements (Wolford, 2007b; Wolford, 2007c). The sampling costs for both effluent scenarios are the same because sampling requirements are independent of effluent quality. EPA included the sampling cost anyway.

Equations 9, 10, 11, and 12 calculate the annual sampling cost assuming the NPDES permits require bi-monthly sampling.

$$\text{Collection Labor} = \text{Sampling Points} * \text{Collection Time} * \text{Monthly Frequency} * \text{CF}_{\text{time}} * \text{Labor Cost} \quad (9)$$

$$\text{Travel Labor} = \text{Monthly Frequency} * \text{Travel Time} * \text{CF}_{\text{time}} * \text{Labor Cost} \quad (10)$$

$$\text{Lab Cost} = \text{Sampling Points} * \text{Monthly Frequency} * \text{CF}_{\text{time}} * \text{Sample Cost} \quad (11)$$

$$\text{Annual Sampling Cost} = \text{Collection Labor} + \text{Travel Labor} + \text{Lab Cost} \quad (12)$$

Table 4-4 describes the variables in the sampling cost section of the hydrated lime cost module shown in equations 9, 10, 11, and 12 and provides the values used in equations for both effluent scenarios.

**Table 4-4. Sampling Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Annual Sampling Cost	\$/yr	Annual sampling cost	NA	Calculated in Equation 11
CF <sub>time</sub>	mo/yr	Conversion factor for converting months to years	12 mo/yr	Constant
Collection Labor	\$/yr	Annual labor cost for worker to collect samples	NA	Calculated in Equation 8
Collection Time	hr	Average time expected for the worker to collect one sample	0.33 hr	AMDTreat <sup>®</sup> v.4.1
Lab Cost	\$/yr	Annual cost for laboratory analysis	NA	Calculated in Equation 10
Labor Cost	\$/hr	Hourly rate for worker	\$ 35.00/hr	AMDTreat <sup>®</sup> v.4.1
Monthly Frequency	No./month	Number of samples collected per month	2/month	AMDTreat <sup>®</sup> v.4.1
Sample Cost	\$/sample	Cost of laboratory analysis for one sample for all analytical tests	\$ 27.00/sample	AMDTreat <sup>®</sup> v.4.1
Sampling Points	No.	Number of sampling points in treatment system	3	AMDTreat <sup>®</sup> v.4.1- Assumes sampling effluent and upstream and downstream of the discharge location

**Table 4-4. Sampling Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Travel Labor	\$/yr	Annual labor cost for worker to travel to site	NA	Calculated in Equation 9
Travel Time	hr	Time expected for worker to travel from the office to the site	2 hr	AMDTreat <sup>®</sup> v.4.1

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 3.1.4 Maintenance Cost

The maintenance costs include the cost of labor to maintain the system and the cost of replacing portions of the hydrated lime storage system. The labor cost associated with maintaining the hydrated lime chemical precipitation system is based on the weekly site visits required by the operator to make sure the system is operating correctly. Mr. Mark Tercek of PBS Coals, Inc. reported that active treatment systems, including chemical precipitation using hydrated lime, require operators to check the site daily (Wolford, 2007c). The maintenance labor cost does not depend on effluent water characteristics but rather the type of treatment system; therefore, the maintenance labor cost is the same for both effluent scenarios. The replacement cost is based on the total capital cost of the hydrated lime treatment system that is calculated in Section 4.2.3.

Equation 13 calculates the maintenance cost, including the labor required to maintain the chemical precipitation system and cost of replacing malfunctioning equipment.

$$\text{Maintenance Cost} = \text{Visits per Week} * \{\text{Labor Time} + \text{Travel Time}\} * \text{Labor Cost} * \text{CF}_{\text{time}} + \text{Replacement Cost} \quad (13)$$

Equation 14 calculates the annual replacement cost of the hydrated lime treatment system. This calculation assumes that the treatment system will be replaced periodically to allow treatment to continue for the life of the system. The term “Rounddown{equation, 0}” represents the number of times in the life of the system that the hydrated lime storage system will need replaced. For example, if the hydrated lime storage system life is 20 years and the system life is 75 years, the hydrated lime storage system will need replaced three times in the 75 year treatment period.

$$\text{Replacement Cost} = \frac{\text{Total Capital Cost}}{\text{System Life}} * \text{Rounddown}\left\{\frac{\text{System Life}}{\text{Capital System Life}}, 0\right\} \quad (14)$$

Table 4-5 describes the variables in the maintenance labor cost section of the hydrated lime cost module shown in equations 13 and 14 and provides the values used in equations for both effluent scenarios.

Table 4-5. Maintenance Labor Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Capital System Life	yr	Life span of the treatment system	20 yrs	EPA Assumption
CF <sub>time</sub>	wk/yr	Conversion factor for converting weeks to years	52 wk/yr	Constant
Labor Cost	\$/hr	Hourly rate for worker	\$ 35.00/hr	AMDTreat <sup>®</sup> v.4.1
Labor Time	hr	Time expected for worker to inspect the treatment system and ensure it's working correctly	2 hr	AMDTreat <sup>®</sup> v.4.1
Maintenance Cost	\$/yr	Annual maintenance cost	NA	Calculated in Equation 13
Replacement Cost	\$/yr	Annual cost of replacing the treatment system	NA	Calculated in Equation 14
System Life	yr	Years the hydrated lime treatment system must treat the discharge	75 yrs	PA DEP Bureau of Mining and Reclamation Technical Guidance Document: Evaluating Postmining Discharges (PA DEP, 1997)
Total Capital Cost	\$	Total capital cost for hydrated lime system	NA	Calculated in Equation 35
Travel Time	hr	Time expected for worker to travel from the office to the site	2 hr	AMDTreat <sup>®</sup> v.4.1
Visits per Week	No./wk	Number of visits required to maintain the system per week	5/wk	Personal communication with Mr. Mark Tercek, PBS Coals, Inc. (Wolford, 2007c)

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 3.1.5 Total Annual Costs

Equation 15 calculates the total annual costs for the hydrated lime chemical precipitation system.

$$\text{Total Annual Cost} = \text{Annual Chemical Cost} + \text{Annual Sludge Cost} + \text{Annual Sampling Cost} + \$\text{Annual Maintenance} \quad (15)$$

Table 4-6 describes the variables in the total annual cost section of the hydrated lime cost module shown in equation 15 and provides the values used in the equations for both effluent scenarios. The total annual cost variables are the same for both effluent scenarios.

**Table 4-6. Total Annual Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Annual Chemical Cost	\$/yr	Annual chemical cost	NA	Calculated in Equation 3
Annual Maintenance Cost	\$/yr	Annual maintenance cost	NA	Calculated in Equation 13
Annual Sampling Cost	\$/yr	Annual sampling cost	NA	Calculated in Equation 12
Annual Sludge Cost	\$/yr	Annual cost of removing sludge	NA	Calculated in Equation 8
Total Annual Cost	\$/yr	Total annual cost	NA	Calculated in Equation 15

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 3.2 Capital Costs

The capital costs for a hydrated lime chemical precipitation system include the following items:

- Hydrated lime storage silos;
- Mixing tank; and
- Valves and piping.

The following sections describe how each of these costs is calculated in the hydrated lime chemical precipitation module.

#### 3.2.1 *Hydrated Lime Storage Silo Cost*

EPA assumes that the hydrated lime is purchased as fine powder containing 96 percent calcium hydroxide that is stored in storage silos. The number of storage silos required to store the hydrated lime depends on the storage silo size and hydrated lime delivery frequency. EPA assumes that the hydrated lime is delivered monthly and the storage silo sizes are 2,000 tons, 3,500 tons, 5,000 tons, and 6,000 tons.

Equation 16 calculates the monthly hydrated lime from the annual hydrated lime calculated in Section 4.1.1.

$$\text{Monthly Hydrated Lime} = \frac{\text{Ca(OH)}_2_{\text{req}}}{\text{CF}_{\text{time}} * \text{CF}_{\text{weight}}} \quad (16)$$

Equations 17, 18, 19, 20, and 21 calculate the size of the storage silos in the hydrated lime chemical precipitation treatment system.

$$\text{Silo 1} = \text{if}\{\text{Monthly Hydrated Lime} < 20, 20, \text{if}\{\text{Monthly Hydrated Lime} < 35, 35, \text{if}\{\text{Monthly Hydrated Lime} < 50, 50, 60\}\}\} \quad (17)$$

$$\text{Silo 2} = \text{if}\{(\text{Monthly Hydrated Lime} - 60) < 0, 0, \text{if}\{(\text{Monthly Hydrated Lime} - 60) < 20, 20, \text{if}\{(\text{Monthly Hydrated Lime} - 60) < 35, 35, \text{if}\{(\text{Monthly Hydrated Lime} - 60) < 50, 50, 60\}\}\}\} \quad (18)$$

$$\text{Silo 3} = \text{if}\{(\text{Monthly Hydrated Lime} - 120) < 0, 0, \text{if}\{(\text{Monthly Hydrated Lime} - 120) < 20, 20, \text{if}\{(\text{Monthly Hydrated Lime} - 120) < 35, 35, \text{if}\{(\text{Monthly Hydrated Lime} - 120) < 50, 50, 60\}\}\}\} \quad (19)$$

$$\text{Silo 4} = \text{if}\{(\text{Monthly Hydrated Lime} - 180) < 0, 0, \text{if}\{(\text{Monthly Hydrated Lime} - 180) < 20, 20, \text{if}\{(\text{Monthly Hydrated Lime} - 180) < 35, 35, \text{if}\{(\text{Monthly Hydrated Lime} - 180) < 50, 50, 60\}\}\}\} \quad (20)$$

$$\text{Silo 5} = \text{if}\{(\text{Monthly Hydrated Lime} - 240) < 0, 0, \text{if}\{(\text{Monthly Hydrated Lime} - 240) < 20, 20, \text{if}\{(\text{Monthly Hydrated Lime} - 240) < 35, 35, \text{if}\{(\text{Monthly Hydrated Lime} - 240) < 50, 50, 60\}\}\}\} \quad (21)$$

Equations 22, 23, 24, 25, 26, and 27 calculate the cost of each storage silo and the total silo cost for the hydrated lime storage system.

$$\text{Silo 1 Cost} = \text{if}\{\text{Silo 1} = 20, \text{Cost}_{20}, \text{if}\{\text{Silo 1} = 35, \text{Cost}_{35}, \text{if}\{\text{Silo 1} = 50, \text{Cost}_{50}, \text{Cost}_{60}\}\}\} \quad (22)$$

$$\text{Silo 2 Cost} = \text{if}\{\text{Silo 2} = 0, 0, \text{if}\{\text{Silo 2} = 20, \text{Cost}_{20}, \text{if}\{\text{Silo 2} = 35, \text{Cost}_{35}, \text{if}\{\text{Silo 2} = 50, \text{Cost}_{50}, \text{Cost}_{60}\}\}\}\} \quad (23)$$

$$\text{Silo 3 Cost} = \text{if}\{\text{Silo 3} = 0, 0, \text{if}\{\text{Silo 3} = 20, \text{Cost}_{20}, \text{if}\{\text{Silo 3} = 35, \text{Cost}_{35}, \text{if}\{\text{Silo 3} = 50, \text{Cost}_{50}, \text{Cost}_{60}\}\}\}\} \quad (24)$$

$$\text{Silo 4 Cost} = \text{if}\{\text{Silo 4} = 0, 0, \text{if}\{\text{Silo 4} = 20, \text{Cost}_{20}, \text{if}\{\text{Silo 4} = 35, \text{Cost}_{35}, \text{if}\{\text{Silo 4} = 50, \text{Cost}_{50}, \text{Cost}_{60}\}\}\}\} \quad (25)$$

$$\text{Silo 5 Cost} = \text{if}\{\text{Silo 5} = 0, 0, \text{if}\{\text{Silo 5} = 20, \text{Cost}_{20}, \text{if}\{\text{Silo 5} = 35, \text{Cost}_{35}, \text{if}\{\text{Silo 5} = 50, \text{Cost}_{50}, \text{Cost}_{60}\}\}\}\} \quad (26)$$

$$\text{Total Silo Cost} = \text{Silo 1 Cost} + \text{Silo 2 Cost} + \text{Silo 3 Cost} + \text{Silo 4 Cost} + \text{Silo 5 Cost} \quad (27)$$

Table 4-7 describes all the variables in the hydrated lime storage silo cost section of the hydrated lime cost module shown in equations 16 through 27 and provides the values used in the equations for each effluent scenario.

**Table 4-7. Total Annual Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
CF <sub>time</sub>	mo/year	Conversion factor for converting months to years	12 mo/yr	Constant
CF <sub>weight</sub>	lb/ton	Conversion factor for converting pounds to tons	2,000 lb/ton	Constant
Ca(OH) <sub>2,req</sub>	lb/yr	Amount of hydrated lime required to achieve pH 10	NA	Calculated in Equation 2
Monthly Hydrated Lime	ton/month	Amount of hydrated lime required to achieve pH 10	NA	Calculated in Equation 16
Silo 1	ton	Silo size for first silo in treatment system	NA	Calculated in Equation 17
Silo 2	ton	Silo size for second silo in treatment system	NA	Calculated in Equation 18
Silo 3	ton	Silo size for third silo in treatment system	NA	Calculated in Equation 19
Silo 4	ton	Silo size for fourth silo in treatment system	NA	Calculated in Equation 20



Table 4-7. Total Annual Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Silo 5	ton	Silo size for fifth silo in treatment system	NA	Calculated in Equation 21
Cost <sub>20</sub>	\$	Cost of 20 ton silo	\$ 25,000	AMDTreat <sup>®</sup> v.4.1
Cost <sub>35</sub>	\$	Cost of 35 ton silo	\$ 27,000	AMDTreat <sup>®</sup> v.4.1
Cost <sub>50</sub>	\$	Cost of 50 ton silo	\$ 32,000	AMDTreat <sup>®</sup> v.4.1
Cost <sub>60</sub>	\$	Cost of 60 ton silo	\$ 35,000	AMDTreat <sup>®</sup> v.4.1
Silo 1 Cost	\$	Cost for first silo in treatment system	NA	Calculated in Equation 22
Silo 2 Cost	\$	Cost for second silo in treatment system	NA	Calculated in Equation 23
Silo 3 Cost	\$	Cost for third silo in treatment system	NA	Calculated in Equation 24
Silo 4 Cost	\$	Cost for fourth silo in treatment system	NA	Calculated in Equation 25
Silo 5 Cost	\$	Cost for fifth silo in treatment system	NA	Calculated in Equation 26
Total Silo Cost	\$	Total cost for all silos in treatment system	NA	Calculated in Equation 27

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 3.2.2 Mixing Tank Cost

EPA assumes that the hydrated lime chemical precipitation system includes a mixing tank to add the powdered hydrated lime to the discharge. The mixing tank cost includes the excavation of soil for the below-grade mixing tank and the concrete required to form the tank. The size of the mixing tank is based on the discharge flow and retention time. EPA assumes that the mixing tank is square so the length and width are the same.

Equations 28, 29, and 30 calculate the mixing tank volume and dimensions.

$$\text{Tank Volume} = \text{Flow} * \text{Retention Time} \quad (28)$$

$$\text{Length} = \text{Width} = \left\{ \frac{\text{Tank Volume}}{2 * \text{CF}_{\text{volume,wet}}} \right\}^{1/3} \quad (29)$$

$$\text{Depth} = 2 * \text{Length} \quad (30)$$

Equation 31 calculates the volume of soil that must be excavated for the mixing tank.

$$\text{Excavation Volume} = \{\text{Length} + \text{Wall}\} * \{\text{Width} + \text{Wall}\} * \{\text{Depth} + \text{Bottom} + \text{Freeboard}\} \quad (31)$$

Equation 32 calculates the volume of concrete required for the mixing tank.

$$\text{Concrete Volume} = 2 * \{\text{Length} * (\text{Depth} + \text{Freeboard}) * \text{Wall}\} + 2 * \{\text{Width} * (\text{Depth} + \text{Freeboard}) * \text{Wall}\} + \{(\text{Length} + \text{Wall}) * (\text{Width} + \text{Wall}) * \text{Bottom}\} \quad (32)$$

Equation 33 calculates the cost of the mixing tank including the excavation and concrete costs.

$$\text{Mixing Tank Cost} = \frac{\text{Excavation Volume}}{CF_{\text{volume,dry}}} * \text{Excavation Unit Cost} + \frac{\text{Concrete Volume}}{CF_{\text{volume,dry}}} * \text{Concrete Unit Cost} \quad (33)$$

Table 4-8 describes the variables in the mixing tank cost section of the hydrated lime cost module shown in equations 28 through 33 and provides the values used in the equations for each effluent scenario.

**Table 4-8. Hydrated Lime Mixing Tank Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Bottom	ft	Thickness of the mixing tank bottom	1 ft	AMDTreat <sup>®</sup> v.4.1
CF <sub>volume,dry</sub>	ft <sup>3</sup> /yd <sup>3</sup>	Conversion factor for converting cubic feet to cubic yards	27 ft <sup>3</sup> /yd <sup>3</sup>	Constant
CF <sub>volume,wet</sub>	gal/ft <sup>3</sup>	Conversion factor for converting gallons to cubic feet	7.4805 gal/ft <sup>3</sup>	Constant
Concrete Unit Cost	\$/yd <sup>3</sup>	Unit cost for concrete	\$ 100/yd <sup>3</sup>	AMDTreat <sup>®</sup> v.4.1
Concrete Volume	ft <sup>3</sup>	Concrete volume for mixing tank	NA	Calculated in Equation 32
Depth	ft	Depth of mixing tank	NA	Calculated in Equation 30
Excavation Unit Cost	\$/yd <sup>3</sup>	Unit cost for excavating	\$ 5.5/yd <sup>3</sup>	AMDTreat <sup>®</sup> v.4.1
Excavation Volume	ft <sup>3</sup>	Excavation volume for mixing tank	NA	Calculated in Equation 31
Flow	gal/min	Discharge flow	Input Parameter	Model Mine Characteristics
Freeboard	ft	Freeboard depth above the mixing tank depth to allow for increases in flow	1 ft	AMDTreat <sup>®</sup> v.4.1
Length	ft	Length of mixing tank	NA	Calculated in Equation 29
Mixing Tank Cost	\$	Cost for mixing tank including excavation and concrete costs	NA	Calculated in Equation 33
Retention Time	min	Mixing tank retention time	5 min	AMDTreat <sup>®</sup> v.4.1
Tank Volume	gal	Volume of mixing tank required to mix the hydrated lime with the untreated discharge	NA	Calculated in Equation 28
Wall	ft	Thickness of the mixing tank wall	1 ft	AMDTreat <sup>®</sup> v.4.1
Width	ft	Width of mixing tank	NA	Calculated in Equation 29

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 3.2.3 Total Capital Costs

The total capital cost includes the cost of the hydrated lime storage silos, mixing tank, hydrated lime control building, and hydrated lime addition control system. This cost module assumes that the hydrated lime control building size and hydrated lime addition system are independent of the number and size of the hydrated lime storage silos and therefore are the same for both effluent scenarios. However, these costs are included for comparison to other cost modules for EPA's Detailed Study of the Coal Mining Industry.

Equation 34 calculates the cost of the hydrated lime control building.

$$\text{Building Cost} = \text{Building Length} * \text{Building Width} * \text{Building Unit Cost} \quad (34)$$

Equation 35 calculates the cost of the hydrated lime control system cost.

$$\begin{aligned} \text{Control Cost} = & \text{Mixers} * \text{Mixer Cost} + \text{Slide Gates} * \text{Slide Gate Cost} + \text{Electric Panel} + \text{Vibrator Air Sweep} \\ & + \text{Pneumatic Air Sweep} + \text{Blower Blocks} + \text{Construction Cost} \end{aligned} \quad (35)$$

Equation 36 calculates the total cost of the hydrated lime chemical precipitation system.

$$\text{Total Capital Cost} = \text{Total Silo Cost} + \text{Mixing Tank Cost} + \text{Building Cost} + \text{Control Cost} \quad (36)$$

Table 4-9 describes the variables in the total capital cost section of the hydrated lime cost module shown in equations 34, 35, and 36 and provides the values used in the equations for each effluent scenario.

**Table 4-9. Total Capital Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Blower Blocks	\$	Cost of blower blocks in the hydrated lime system	\$ 0	AMDTreat <sup>®</sup> v.4.1
Building Cost	\$	Cost of building that houses the electric control panel and other control equipment	NA	Calculated in Equation 34
Building Length	ft	Length of building that houses the electric control panel and other control equipment	15 ft	AMDTreat <sup>®</sup> v.4.1
Building Unit Cost	\$/ft <sup>2</sup>	Cost of building on a square footage basis	\$ 10/ft <sup>2</sup>	AMDTreat <sup>®</sup> v.4.1
Building Width	ft	Width of building that houses the electric control panel and other control equipment	15 ft	AMDTreat <sup>®</sup> v.4.1
Mixing Tank Cost	\$	Cost for mixing tank including excavation and concrete costs	NA	Calculated in Equation 33
Construction Cost	\$	Cost of constructing the hydrated lime system	\$ 6,000	AMDTreat <sup>®</sup> v.4.1
Control Cost	\$	Cost of control equipment for the hydrated lime system	NA	Calculated in Equation 35

**Table 4-9. Total Capital Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Electric Panel	\$	Cost of electric panel to control the hydrated lime system	\$ 2,000	AMDTreat <sup>®</sup> v.4.1
Mixer Cost	\$/No.	Cost of mixer in the hydrated lime system	\$ 1,000	AMDTreat <sup>®</sup> v.4.1
Mixers	No.	Number of mixers in the hydrated lime system	2	AMDTreat <sup>®</sup> v.4.1
Pneumatic Air Sweep	\$	Cost of pneumatic air sweep in the hydrated lime system	\$ 0	AMDTreat <sup>®</sup> v.4.1
Slide Gate Cost	\$/No.	Cost of slide gate valve in the hydrated lime system	\$ 750	AMDTreat <sup>®</sup> v.4.1
Slide Gates	No.	Number of slide gate valves in the hydrated lime system	5	AMDTreat <sup>®</sup> v.4.1
Total Capital Cost	\$	Total capital cost for hydrated lime system	NA	Calculated in Equation 36
Total Silo Cost	\$	Total cost for all silos in treatment system	NA	Calculated in Equation 28
Vibrator Air Sweep	\$	Cost of vibrator air sweep in the hydrated lime system	\$ 0	AMDTreat <sup>®</sup> v.4.1

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 3.3 Effluent Scenario Cost Comparison

EPA is estimating the cost difference between using chemical precipitation and other treatment technologies to achieve two different effluent scenarios:

1. To meet all of the 40 CFR Part 434 limits (TSS, pH, iron, and manganese); and
2. To meet only the TSS, pH, and iron limits in 40 CFR Part 434.

Prior to calculating the cost difference, the capital costs must be annualized for each effluent scenario. Equations 37 and 38 calculate the total annualized costs for the hydrated lime chemical precipitation system.

$$\text{Annualized Capital Cost} = \text{Total Capital Cost} * \frac{\{\text{Interest} * (1 + \text{Interest})^{\text{years}}\}}{(1 + \text{Interest})^{\text{years}} - 1} \quad (37)$$

$$\text{Total Annualized Cost} = \text{Annualized Capital Cost} + \text{Total Annual Cost} \quad (38)$$

Equation 39 compares the total annualized cost for effluent scenario 1 with the total annualized cost for effluent scenario 2.

$$\text{Net Annual Cost} = \text{Total Annualized Cost}_{\text{Effluent Scenario 1}} - \text{Total Annualized Cost}_{\text{Effluent Scenario 2}} \quad (39)$$

Table 4-10 describes the variables in the effluent scenario cost comparison section of the hydrated lime cost module shown in equations 37, 38, and 39 and provides the values used in the equations for each effluent scenario.

Table 4-10. Effluent Scenario Cost Comparison Variable Descriptions

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Annualized Capital Cost	\$/yr	Annualized capital cost for hydrated lime treatment system	NA	Calculated in Equation 37
Interest	%	Interest rate for annualization	10 %	EPA
Net Annual Cost	\$/yr	Net annual cost to increase from pH 8.3 to pH 10 using hydrated lime treatment system	NA	Calculated in Equation 39
Total Annual Cost	\$/yr	Total annual cost	NA	Calculated in Equation 15
Total Annualized Cost	\$/yr	Total annualized cost (capital and annual) for caustic treatment system	NA	Calculated in Equation 38
Total Capital Cost	\$	Total capital cost for the hydrated lime treatment system	NA	Calculated in Equation 36
Years	yr	Years for annualization calculation	75 yr	<i>PA DEP Bureau of Mining and Reclamation Technical Guidance Document: Evaluating Postmining Discharges (PA DEP, 1997)</i>

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

---

#### 4.0 REFERENCES

1. Kirby, Carl S. and Charles A. Cravotta III. 2005a. *Net Alkalinity and Net Acidity I: Theoretical Considerations*. Applied Geochemistry 20 (2005) 1920 – 1940. Available online at <http://www.sciencedirect.com>. (September 19). EPA-HQ-OW-2006-0771-0010.
2. Kirby, Carl S. and Charles A. Cravotta III. 2005b. *Net Alkalinity and Net Acidity 2: Practical Considerations*. Applied Geochemistry 20 (2005) 1920 – 1940. Available online at <http://www.sciencedirect.com>. (September 19). EPA-HQ-OW-2006-0771-0140.
3. Means, Brent and Tiff Hilton. 2004. *Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage*. 2004 National Meeting of the American Society of Mining and Reclamation. Lexington, KY. Unknown. EPA-HQ-OW-2006-0771-0142.
4. PA DEP. Pennsylvania Department of Environmental Protection. 1997. *PA DEP Bureau of Mining and Reclamation Technical Guidance Document: Evaluating Postmining Discharges*. TGD 563-2504-412. (May 30). EPA-HQ-OW-2006-0771 DCN 04265.
5. U.S. EPA. 1982. *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category*. EPA-440/1-82/009. Washington, DC. (June).
6. U.S. EPA. 2000. “Wastewater Technology Fact Sheet: Chemical Precipitation.” Washington, D.C. EPA 832-F-00-018. (September). EPA-HQ-OW-2006-0771-0476.
7. Wolford, Jessica. Eastern Research Group, Inc. 2007a. Personal communication with Mr. Brent Means, Office of Surface Mining, Reclamation, and Enforcement. (June). EPA-HQ-OW-2006-0771-0065.
8. Wolford, Jessica. Eastern Research Group, Inc. 2007b. Personal communication with Mr. John Wilk, Pennsylvania Department of Environmental Protection. (May). EPA-HQ-OW-2006-0771-0195.
9. Wolford, Jessica. Eastern Research Group, Inc. 2007c. Personal communication with Mr. Mark Tercek, PBS Coals, Inc. (May). EPA-HQ-OW-2006-0771-0477.

**Attachment A – *AMDTreat*<sup>®</sup> v.4.1 Default Values for Hydrated Lime Chemical  
Precipitation Cost Module**

**Table A-1. AMDTreat<sup>®</sup> v.4.1 Default Values for the Hydrated Lime Chemical Precipitation Cost Module**

<b>Variable</b>	<b>Variable Description</b>	<b>AMDTreat<sup>®</sup> v.4.1 Default Value</b>	<b>Equation Reference</b>
% Solids	Ratio of the weight of solids to the weight of water	5 %	4, 5, 6, 7
Blower Blocks	Cost of blower blocks in the hydrated lime system	\$ 0	35
Bottom	Thickness of the mixing tank bottom	1 ft	31, 32
Building Length	Length of building that houses the electric control panel and other control equipment	15 ft	34
Building Unit Cost	Cost of building on a square footage basis	\$ 10/ft <sup>2</sup>	34
Building Width	Width of building that houses the electric control panel and other control equipment	15 ft	34
Collection Time	Average time expected for the worker to collect one sample	0.33 hr	9
Concrete Unit Cost	Unit cost for concrete	\$ 100/yd <sup>3</sup>	33
Construction Cost	Cost of constructing the hydrated lime system	\$ 6,000	35
Cost <sub>20</sub>	Cost of 20 ton silo	\$ 25,000	22, 23, 24, 25, 26
Cost <sub>35</sub>	Cost of 35 ton silo	\$ 27,000	22, 23, 24, 25, 26
Cost <sub>50</sub>	Cost of 50 ton silo	\$ 32,000	22, 23, 24, 25, 26
Cost <sub>60</sub>	Cost of 60 ton silo	\$ 35,000	22, 23, 24, 25, 26
Density <sub>Sludge</sub>	Density of solids and water in sludge	8.33 lb/gal	4, 5, 6, 7
Efficiency	Mixing efficiency of hydrated lime with discharge	80 %	2
Electric Panel	Cost of electric panel to control the hydrated lime system	\$ 2,000	35
Excavation Unit Cost	Unit cost for excavating	\$ 5.5/yd <sup>3</sup>	33
Freeboard	Freeboard depth above the mixing tank depth to allow for increases in flow	1 ft	31, 32
Hydrated Lime Cost	Cost of hydrated lime	\$ 0.10/lb	3
Labor Cost	Hourly rate for worker	\$ 35.00/hr	9, 10, 13
Labor Time	Time expected for worker to inspect the treatment system and ensure it's working correctly	2 hr	13
Mixer Cost	Cost of mixer in the hydrated lime system	\$ 1,000	35
Mixers	Number of mixers in the hydrated lime system	2	35
Monthly Frequency	Number of samples collected per month	2/month	9, 10, 11
Pneumatic Air Sweep	Cost of pneumatic air sweep in the hydrated lime system	\$ 0	35
Purity	Purity of hydrated lime	96 %	2
Removal Cost	Cost of removing sludge	\$ 0.06/gal	8
Retention Time	Mixing tank retention time	5 min	28
Sample Cost	Cost of laboratory analysis for one sample for all analytical tests	\$ 27.00/sample	11
Sampling Points	Number of sampling points in treatment system	3	9, 11



**Table A-1. *AMDTreat*<sup>®</sup> v.4.1 Default Values for the Hydrated Lime Chemical Precipitation Cost Module**

<b>Variable</b>	<b>Variable Description</b>	<b><i>AMDTreat</i><sup>®</sup> v.4.1 Default Value</b>	<b>Equation Reference</b>
Slide Gate Cost	Cost of slide gate valve in the hydrated lime system	\$ 750	35
Slide Gates	Number of slide gate valves in the hydrated lime system	5	35
Travel Time	Time expected for worker to travel from the office to the site	2 hr	10, 13
Vibrator Air Sweep	Cost of vibrator air sweep in the hydrated lime system	\$ 0	35
Wall	Thickness of the mixing tank wall	1 ft	31, 32

Source: *AMDTreat*<sup>®</sup> v.4.1.

**Appendix D**

**DRAFT ACID MINE DRAINAGE TREATMENT COST MODULE: LIMESTONE BED**

---

---

**Draft Acid Mine Drainage Treatment Cost Module:  
Limestone Bed  
August 16, 2007**

**Disclaimer:** This is a draft module. EPA developed this module for the Detailed Study of the Coal Mining Point Source Category (40 CFR Part 434) to estimate the cost difference between treating acid mine drainage (AMD) using a limestone bed over a range of flows:

- To meet all of the 40 CFR Part 434 limitations (TSS, pH, iron, and manganese); and
- To meet only the TSS, pH, and iron limitations in 40 CFR Part 434.

The costs are based on calculations and default values provided in the *AMDTreat*<sup>®</sup> software that was developed cooperatively by the Pennsylvania Department of Environmental Protection (PA DEP), West Virginia Department of Environmental Protection (WV DEP), and the U.S. Department of Interior, Office of Surface Mining Reclamation and Enforcement (OSMRE) (OSMRE, 2007a). The default values from *AMDTreat*<sup>®</sup> that are used in the limestone bed cost module are presented in Attachment A (OSMRE, 2007b).

OSMRE reviews and updates the treatment costs roughly annually. The most recent version of *AMDTreat*<sup>®</sup>, version 4.1, expresses costs in 2006 dollars. *AMDTreat*<sup>®</sup> v.4.1 has not been peer reviewed (Wolford, 2007a).

## **1.0 MODULE METHODOLOGY**

This module estimates the costs associated with installing and operating a limestone bed treatment system for treatment of AMD. Limestone beds are used to neutralize acidity and precipitate metal ions in AMD. EPA is estimating the cost difference between using a limestone bed to achieve two different effluent scenarios:

1. To meet all of the 40 CFR Part 434 limitations (TSS, pH, iron, and manganese); and
2. To meet only the TSS, pH, and iron limitations of 40 CFR Part 434.

40 CFR Part 434 defines AMD as mine drainage that, before treatment, either has a pH of less than 6.0 or a total iron concentration equal to or greater than 10 mg/L. The limitations for AMD are in 40 CFR Part 434 Subpart C, shown in Table 1-1 (BAT) and Table 1-2 (NSPS). The best available technology economically achievable (BAT) limitations apply to coal mines that were constructed prior to May 4, 1984. The new source performance standards (NSPS) limitations apply to coal mines that were constructed after May 4, 1984. EPA assumes the majority of the coal mines are required to meet the NSPS limitations and will use the NSPS limitations presented in Table 1-2 for the effluent scenarios.

**Table 1-1. BAT Effluent Guidelines for Coal Mining Part 434, Subpart C<sup>a</sup>**

Parameter	30-day Average (mg/L)	Daily Maximum (mg/L)
Total Suspended Solids (TSS)	35	70
pH	within range of 6 to 9	within range of 6 to 9
Iron, Total	3.5	7.0
Manganese, Total	2.0	4.0

Source: *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category* (U.S. EPA, 1982).

NA – Not applicable.

<sup>a</sup>Subpart C – Acid or Ferruginous Mine Drainage applies to coal mines in EPA’s Detailed Study of the Coal Mining Point Source Category.

**Table 1-2. NSPS Effluent Guidelines for Coal Mining Part 434, Subpart C<sup>a</sup>**

Parameter	30-day Average (mg/L)	Daily Maximum (mg/L)
Total Suspended Solids (TSS)	35	70
pH	within range of 6 to 9	within range of 6 to 9
Iron, Total	3.0	6.0
Manganese, Total	2.0	4.0

Source: *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category* (U.S. EPA, 1982).

NA – Not applicable.

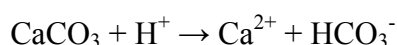
<sup>a</sup>Subpart C – Acid or Ferruginous Mine Drainage applies to coal mines in EPA’s Detailed Study of the Coal Mining Point Source Category.

Under the first effluent scenario, EPA estimates the costs to remove pollutants to meet all the NSPS limitations in Table 1-2. Under the second effluent scenario, EPA estimates the costs to remove all pollutants except manganese to the NSPS limitations level required by 40 CFR Part 434 presented in Table 1-2.

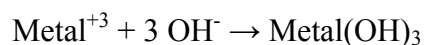
## 2.0 PROCESS DESCRIPTION

Limestone beds are one of many “passive treatment systems” used in the coal mining industry to meet the 40 CFR Part 434 permit limits. Limestone beds are trenches filled with limestone for AMD treatment by precipitating metals and increasing alkalinity. Figure 2-1 shows a typical limestone bed treatment system process.

The limestone bed is designed to 1) increase alkalinity and raise pH to neutral (between 6 and 9) and 2) precipitate and remove metals from the AMD. As limestone dissolves, it imparts alkalinity according to the following reactions (Sibrell, 2005):



The available hydroxide ions (OH<sup>-</sup>) then react with metals to form insoluble metal hydroxides, which form according to the following equations:



The insoluble metal hydroxides will precipitate and be removed from the water; however, over time the precipitates coat the limestone. This coating of the limestone is referred to as “armoring” and will decrease the effectiveness of the limestone bed over time. High flow velocities through the bed can minimize the armoring, and the limestone beds should be made large enough to account for armoring.

As the metal cations, such as Fe<sup>3+</sup> and Mn<sup>2+</sup>, consume the hydroxide anions in the above reactions, the pH of the water will decrease. To be effective, limestone beds should be large enough to buffer the acidity liberated from metals precipitation.

Some types of AMD are not suitable for treatment with a limestone bed. For example, limestone beds receiving AMD with high metals concentrations will likely become armored very quickly compared to those receiving AMD with a low pH but lower metals concentrations. In addition, a pH of 10 is required to quickly precipitate certain metals such as manganese and zinc (Means, 2004).

Often sites will add lime or caustic following a limestone bed to adjust pH to 10. Limestone beds can achieve removal of metals such as manganese and zinc, if sufficient residence time and buffering capacity are provided. In some cases, the bed size required to achieve such residence time is impractical. Figure 2-2 illustrates the solubility curves from research performed by Dr. Chuck Cravotta, U.S.G.S. for metals commonly in AMD, showing solubilities relative to pH (Means, 2004). This figure demonstrates just one of the reasons why limestone beds must be sized larger for manganese treatment.

The buffering capacity needed to maintain a neutral pH for AMD can be estimated by calculating the total acidity of the AMD: the acidity from pH as well as the acidity liberated from metals precipitating as insoluble hydroxides. For this cost module, EPA attempts to quantify the difference in buffering capacity needed to achieve the following:

1. Maintain a neutral pH and allow for a long enough residence time such that iron and manganese precipitate, resulting in concentrations meeting 40 CFR Part 434 limits; and
2. Maintain a neutral pH and allow for a long enough residence time such that iron precipitates, resulting in concentrations meeting 40 CFR Part 434 limits.

Many scientists have studied how to best measure acidity in AMD. Two studies in particular address EPA’s question of the differing buffer capacities required to 1) treat iron and

manganese to meet the 40 CFR Part 434 limits and 2) treat solely iron to meet the 40 CFR Part 434 limits.

- Kirby and Cravotta: Net Alkalinity and Net Acidity 1: Theoretical Considerations (Kirby, 2005a) and Net Alkalinity and Net Acidity 2: Practical Considerations (Kirby, 2005b). Attachment B contains these articles.
- Means and Hilton: Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage (Means, 2004). Attachment C contains this article.

While scientists have found that iron will precipitate quickly at a pH near 7, manganese reacts more slowly and requires a longer residence time within the limestone bed to precipitate (Means, 2004). The slower manganese reaction time is a function of several factors, including solubility.

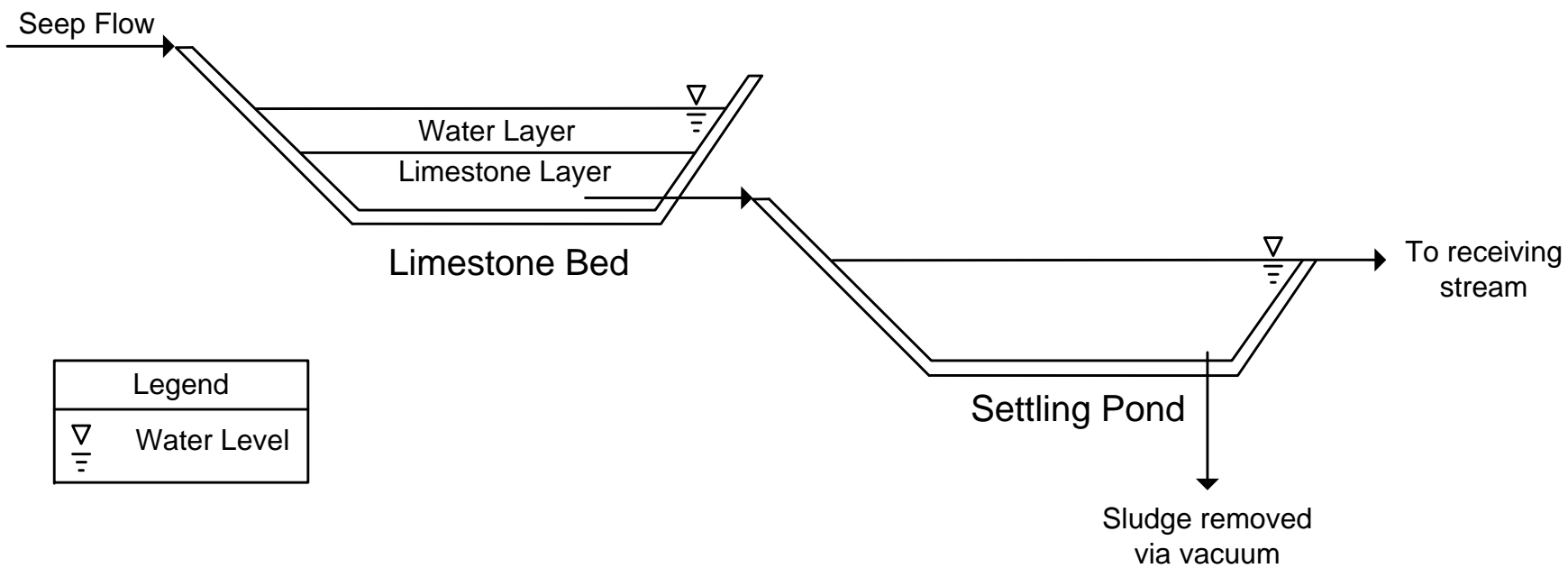


Figure 2-1. Example AMD Limestone Bed Treatment System

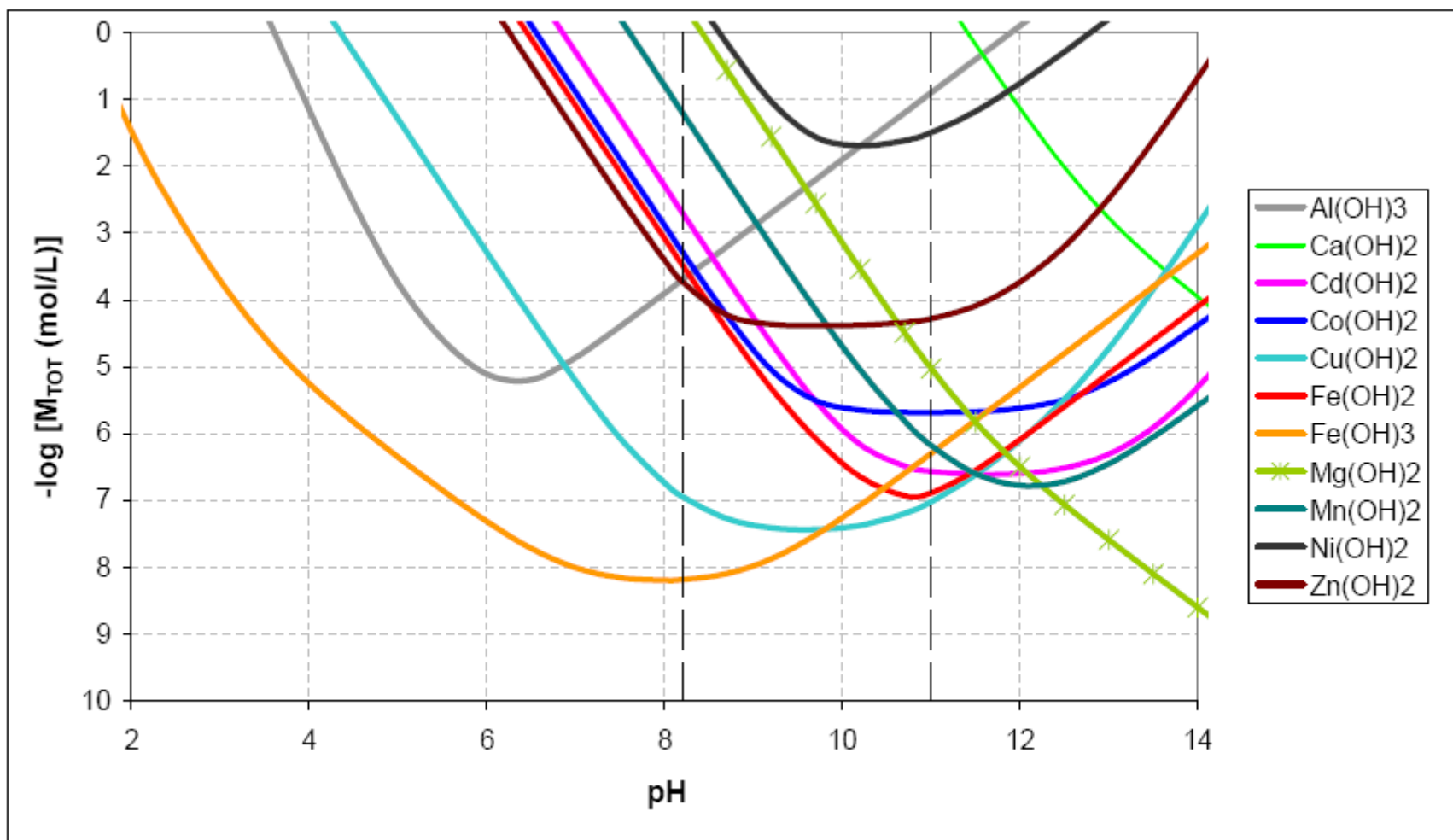


Figure 2-2. Comparison of Metal Hydroxide Solubilities for Constituents Commonly Found in Acidic Mine Drainage (Means, 2004)



### 3.0 DESIGN CONSIDERATIONS

This cost module considers the costs required for a limestone bed. EPA is estimating the cost of treating AMD with chemical precipitation using caustic soda and lime in separate cost modules (see “Draft Acid Mine Drainage Treatment Cost Module: Chemical Precipitation Using Caustic Soda” and “Draft Acid Mine Drainage Treatment Cost Module: Chemical Precipitation Using Hydrated Lime” both dated August 2007 (see Appendices C and D)). For limestone beds, EPA considered the amount of limestone needed to buffer the pH for the necessary residence time, the surface area disturbed and the required operating labor.

EPA assumes that annual cost for electricity and land requirements are approximately equal under both effluent scenarios. For this reason, EPA did not consider the cost of obtaining or leasing land for the treatment system or other capital equipment costs or electricity needs in its estimate of annual costs.<sup>1</sup>

### 4.0 COST MODULE CALCULATIONS

EPA is estimating costs to treat AMD with a limestone bed to achieve two different effluent scenarios:

1. To meet all of the 40 CFR Part 434 limitations (TSS, pH, iron, and manganese); and
2. To meet only the TSS, pH, and iron limitations of 40 CFR Part 434.

Table 4-1 presents the limits for each of the effluent scenarios. The difference between the effluent scenarios is that effluent scenario 1 meets the current manganese limits while effluent scenario 2 does not incorporate any change in manganese concentration. For calculation purposes, only the 30-day limit is considered, because it is lower than the daily maximum limit.

---

<sup>1</sup> For this stage of EPA’s evaluation of the Detailed Study of the Coal Mining Industry, the land acquisition or lease costs were not included in the Limestone Bed Cost Module. Although these costs may affect the estimated difference, or net delta, in costs for the limestone bed technology to meet effluent scenario 1 versus effluent scenario 2, EPA does not have sufficient information at this time to estimate the land acquisition or lease costs. EPA requests input and would consider any comments on how to incorporate these costs into the limestone bed cost module.

**Table 4-1. Effluent Discharge Limitations for Effluent Scenarios**

Parameter	Effluent Scenario 1		Effluent Scenario 2	
	NSPS 30-Day Average (mg/L)	NSPS Daily Maximum (mg/L)	NSPS 30-day Average (mg/L)	NSPS Daily Maximum (mg/L)
Total Suspended Solids (TSS)	35	70	35	70
pH	within range of 6 to 9	within range of 6 to 9	within range of 6 to 9	within range of 6 to 9
Iron, Total	3.0	6.0	3.0	6.0
Manganese, Total	2.0	4.0	NA	NA

Source: *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category* (U.S. EPA, 1982).

NA – Not applicable.

The first effluent scenario will be achieved by allowing for sufficient residence time in the limestone bed to neutralize all of the acidity from pH, iron, aluminum, manganese, and other ions that will consume alkalinity, such as magnesium. (Sibrell, 2005) EPA assumes that if the limestone bed neutralizes the acidity from these components, the effluent quality will be:<sup>2</sup>

- Iron at 3.0 mg/L;
- Manganese at 2.0 mg/L;
- A 99 percent reduction in aluminum from untreated; and
- A 10 percent reduction in magnesium from untreated.

The second effluent scenario will be achieved by allowing for sufficient residence time in the limestone bed to neutralize all of the acidity from pH, iron, and aluminum and part of the acidity resulting from manganese and other ions such as magnesium. (Sibrell, 2005) EPA assumes that if the limestone bed neutralizes the acidity from these components, the effluent quality will be:<sup>3</sup>

- Iron at 3.0 mg/L;
- A 10 percent reduction in manganese from untreated;
- A 99 percent reduction in aluminum from untreated; and
- No reduction in magnesium from untreated.

<sup>2</sup> EPA received comments from Dr. Charles Cravotta (U.S.G.S.) and Mr. Brent Means (OSMRE), regarding EPA's assumption that Part 434 limits would be achieved if pH is adjusted to a certain point (i.e., that the iron monthly average limit of 3.0 mg/L would be achieved if pH is adjusted to 8.3, and that the manganese monthly average limit of 2 mg/L would be achieved if pH is adjusted to 10). Both scientists point out the limitations of such assumptions. Dr. Cravotta has demonstrated that effluent pH may be a poor means of quantifying the effluent quality. That is, in some cases, especially when ferrous iron is present in the AMD, an effluent pH of 8.3 may still result in effluent iron levels that consistently exceed the 3.0 mg/L monthly limit. EPA is considering refining future treatment cost estimates with continued input from Dr. Cravotta and Mr. Means, and EPA recognizes that the cost estimates resulting from these modules represent gross cost estimates. For this stage of EPA's evaluation of the Detailed Study of the Coal Mining Industry, these gross cost estimates sufficiently address EPA's question of how much extra cost the industry incurs to treat AMD for manganese, rather than solely for iron.

<sup>3</sup> Ibid.

Thus, the difference in required residence time between the first effluent scenario and the second effluent scenario is the acidity resulting from the precipitation of manganese and other ions, such as magnesium (Sibrell, 2005).

For both effluent scenarios the cost module includes the following items:

- Capital Costs (Section 4.1) including:
  - Limestone cost (Section 4.1.1);
  - Excavation cost (Section 4.1.2);
  - Liner cost (Section 4.1.3).
  
- Annual Costs (Section 4.2) including:
  - Sludge removal cost (Section 4.2.1);
  - Limestone turning cost (Section 4.2.2);
  - Sampling cost (Section 4.2.3);
  - Maintenance labor cost (Section 4.2.4).

The sampling cost and maintenance labor costs will be the same for each effluent scenario because these portions of the cost module do not depend on effluent water characteristics. Therefore, the sampling cost and maintenance labor cost for each effluent scenario will off-set when the total costs are compared. However, these costs are included for comparison to other costing modules in EPA's Detailed Study of the Coal Mining Point Source Category.

#### **4.1 Capital Costs**

The following sections describe the calculation of capital costs.

##### **4.1.1 *Limestone Cost***

Under the first effluent scenario, EPA is estimating the cost of limestone for a limestone bed to buffer the acidity from pH, iron, aluminum, manganese, and other ions that will consume alkalinity, such as magnesium. EPA assumes that by buffering the acidity from these components, the effluent will meet the 40 CFR Part 434 NSPS iron (3 mg/L 30-day average) and manganese (2 mg/L 30-day average) limitations. This assumption is based on the typical buffering capacity of limestone: 0.4 to 40 gal/day/ton of limestone (Skousen, 2005). Under the second effluent scenario, EPA is estimating the cost of limestone for a limestone bed to buffer acidity from pH, iron, aluminum, and some acidity from manganese and other ions. EPA assumes that by buffering the acidity from these components, the effluent will meet the 40 CFR Part 434 NSPS iron (3 mg/L 30-day average) limitation but will not meet the manganese (2 mg/L 30-day average) limitation (Skousen, 2005).<sup>4</sup>

---

<sup>4</sup> EPA received comments from Dr. Charles Cravotta (U.S.G.S.) and Mr. Brent Means (OSMRE), regarding EPA's assumptions that 1) a multiplier of 4 accounts for the additional acidity liberated when raising pH to 10 to settle manganese and 2) that Part 434 limits would be achieved if pH is adjusted to a certain point (i.e., that the iron monthly average limit of 3.0 mg/L would be achieved if pH is adjusted to 8.3, and that the manganese monthly average limit of 2 mg/L would be achieved if pH is adjusted to 10). Both scientists point out the limitations of such assumptions. 1) Mine drainage chemistry is complex and variable. In some AMD, as demonstrated in *Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage* (Means, 2004), there may be little additional acidity

The amount of limestone required for the limestone bed depends on:

- Net acidity;
- Discharge flow rate;
- System life; and
- The additional acidity required to increase the pH to the desired level.

The net acidity is estimated based on pH, metals concentrations (specifically ferrous and ferric iron, manganese, and aluminum), additional acidity liberated to achieve pH 10, and alkalinity. Equation 1 calculates the net acidity.

$$\text{Net Acidity} = 50 * \left\{ (1000 * 10^{-\text{pH}}) + \frac{2 * \text{Fe}^{2+} + 3 * \text{Fe}^{3+}}{55.842} + \frac{2 * \text{Mn}}{54.93807} + \frac{3 * \text{Al}}{26.9815386} \right\} * \text{Acidity Multiplier} - \text{Alkalinity} \quad (1)$$

where:

- Acidity Multiplier. A factor accounting for additional acidity liberated to achieve pH 10;
- Net acidity. Laboratory-measured acidity; and
- Alkalinity. Laboratory-measured alkalinity.

The acidity multiplier is derived from the Means and Hilton article entitled “Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage,” in Attachment C. The scientists found that the Standard Method (SM) 2310 for hot acidity is often not a valid expression of acidity for waters with pH’s greater than 8.2. The article concludes that when adding caustic to adjust pH for manganese precipitation (i.e., to increase the pH to 10), plant operators must consider the amount of caustic consumed by magnesium and other ions. The amount of caustic consumed by magnesium and other ions at pH’s above 10 is not accounted for by SM 2310. The additional caustic required to change the pH from 8.3 to 10 represents the additional buffering capacity required to neutralize the acidity liberated by the precipitation of manganese and other ions.

As a result, EPA used data from the Means and Hilton article to estimate the additional buffering capacity needed when adjusting pH above 8.3. Means and Hilton provide data for four different discharges of AMD (Means, 2004). EPA selected the “worst case scenario,” or the data for the AMD requiring the greatest additional buffering capacity to increase the pH to 10, for manganese removal. The data demonstrate that to adjust pH from 8.3 to 10, roughly three times the amount of buffering capacity is necessary, and the acidity multiplier is 4.

---

liberated when titrating pH to 10. For AMD with these characteristics, the multiplier of 4 overestimates the amount of treatment chemical required to adjust pH for manganese treatment. 2) Dr. Cravotta has demonstrated that effluent pH may be a poor means of quantifying the effluent quality. That is, in some cases, especially when ferrous iron is present in the AMD, an effluent pH of 8.3 may still result in effluent iron levels that consistently exceed the 3.0 mg/L monthly limit. EPA is considering refining future treatment cost estimates with continued input from Dr. Cravotta and Mr. Means, and EPA recognizes that the cost estimates resulting from these modules represent gross cost estimates. For this stage of EPA’s evaluation of the Detailed Study of the Coal Mining Industry, these gross cost estimates sufficiently address EPA’s question of how much extra cost the industry incurs to treat AMD for manganese, rather than solely for iron.

The amount of limestone required to achieve a specific pH is based on the net acidity, discharge flow rate, mixing efficiency, and limestone purity. Equation 2 calculates the amount of limestone required to achieve a specific pH (pH 10 for effluent scenario 1 and pH 8.3 for effluent scenario 2).

$$\text{Limestone}_{\text{Mass}} = \text{Flow} * \text{Net Acidity} * \text{System Life} * \frac{\text{CF}_{\text{time}}}{\text{CF}_{\text{weight},1}} * \text{CF}_{\text{volume},1} * \frac{1}{\text{Purity}} * \frac{1}{\text{Efficiency}} \quad (2)$$

Equation 3 calculates the cost of limestone required to achieve the desired pH for the life of the limestone bed treatment system.

$$\text{Limestone Cost} = \frac{\text{Limestone}_{\text{Mass}}}{\text{Density}} * \text{Limestone Unit Cost} + \frac{\text{Limestone}_{\text{Mass}}}{\text{CF}_{\text{volume},2}} * \text{Limestone Placement Cost} * \text{CF}_{\text{weight},2} \quad (3)$$

Table 4-1 describes the variables in the limestone cost section of the limestone bed cost module shown in Equations 1 through 3 and provides the values used in the equations for each effluent scenario.

Table 4-1. Limestone Cost Variable Description

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
Acidity Multiplier	None	Multiplier of additional acidity liberated when increasing the pH from 8.3 to 10 and additional acidity represents the alkalinity consumed by precipitation of manganese	4	<i>Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage (Means, 2004)</i>	0	<i>Net Alkalinity and Net Acidity Papers (Kirby, 2005a; Kirby, 2005b)</i>
Al	mg/L	Aluminum concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Alkalinity	mg CaCO <sub>3</sub> /L	Alkalinity in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
CF <sub>time</sub>	min/yr	Conversion factor for converting minutes to years	525,600 min/yr	Constant	525,600 min/yr	Constant
CF <sub>volume, 1</sub>	L/gal	Conversion factor for converting liters to gallons	3.785 L/gal	Constant	3.785 L/gal	Constant
CF <sub>volume, 2</sub>	ft <sup>3</sup> /yd <sup>3</sup>	Conversion factor for converting cubic feet to cubic yards	27 ft <sup>3</sup> /yd <sup>3</sup>	Constant	27 ft <sup>3</sup> /yd <sup>3</sup>	Constant
CF <sub>weight, 1</sub>	mg/ton	Conversion factor for converting milligrams to tons	9.08 x 10 <sup>8</sup> mg/ton	Constant	9.08 x 10 <sup>8</sup> mg/ton	Constant
CF <sub>weight, 2</sub>	lb/ton	Conversion factor for converting pounds to tons	2,000 lb/ton	Constant	2,000 lb/ton	Constant
Density	lb/ft <sup>3</sup>	Density of loose limestone in the limestone bed as delivered to the site including void space	94.3 lb/ft <sup>3</sup>	<i>AMDTreat<sup>®</sup> v.4.1</i>	94.3 lb/ft <sup>3</sup>	<i>AMDTreat<sup>®</sup> v.4.1</i>
Efficiency	%	Efficiency of limestone at imparting alkalinity	60 %	<i>AMDTreat<sup>®</sup> v.4.1</i>	60 %	<i>AMDTreat<sup>®</sup> v.4.1</i>
Fe <sup>2+</sup>	mg/L	Ferrous iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics

Table 4-1. Limestone Cost Variable Description

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
Fe <sup>3+</sup>	mg/L	Ferric iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Flow	gpm	Discharge flow	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Limestone <sub>Mass</sub>	ton	Amount of limestone to achieve desired pH	NA	Calculated in Equation 2	NA	Calculated in Equation 2
Limestone Cost	\$	Cost of limestone required to achieve desired pH	NA	Calculated in Equation 3	NA	Calculated in Equation 3
Limestone Placement Cost	\$/yd <sup>3</sup>	Cost of placing the limestone into the limestone bed	\$ 2/yd <sup>3</sup>	AMDTreat <sup>®</sup> v.4.1	\$ 2/yd <sup>3</sup>	AMDTreat <sup>®</sup> v.4.1
Limestone Unit Cost	\$/ton	Cost of limestone	\$ 22/ton	AMDTreat <sup>®</sup> v.4.1	\$ 22/ton	AMDTreat <sup>®</sup> v.4.1
Mn	mg/L	Manganese concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Net Acidity	mg CaCO <sub>3</sub> /L	Discharge net acidity	NA	Calculated in Equation 1	NA	Calculated in Equation 1
pH	standard units	Untreated discharge pH	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Purity	% (mg CaCO <sub>3</sub> / 100 mg limestone)	Purity of limestone	85 %	AMDTreat <sup>®</sup> v.4.1	85 %	AMDTreat <sup>®</sup> v.4.1
System Life	years	Years the limestone bed treatment system must last	75 years	PA DEP Bureau of Mining and Reclamation Technical Guidance Document: Evaluating Postmining Discharges (PA DEP, 1997)	75 years	PA DEP Bureau of Mining and Reclamation Technical Guidance Document: Evaluating Postmining Discharges (PA DEP, 1997)

<sup>a</sup>Effluent Scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent Scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

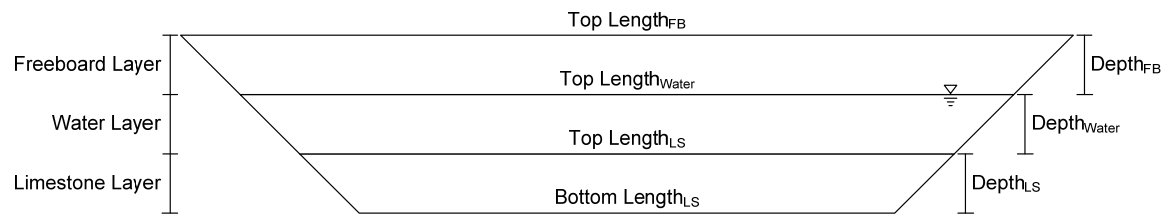
### 4.1.2 Excavation Costs

The required excavation volume depends on the required limestone mass ( $Limestone_{Mass}$ ) and the shape of the limestone bed. The excavation is only necessary for the limestone and water layers because EPA assumes the excavated soil will be used to create a berm around the limestone bed for the freeboard volume.

Equation 4 estimates the volume of limestone required to achieve the desired effluent pH, based on the limestone mass from equation 2.

$$Limestone\ Volume = \frac{Limestone_{Mass}}{Density} * CF_{weight} \quad (4)$$

EPA assumed the limestone bed shape is a prismatoid following *AMDTreat*<sup>®</sup> v.4.1's conventions. Figures 4-1 and 4-2 present the dimensions on a limestone bed.



**Figure 4-1. Side-View of Limestone Bed with Dimensions**



**Figure 4-2. End-View of Limestone Bed with Dimensions**

Equations 5 through 8 can be used to calculate the dimensions of the limestone bed. These equations are taken from the *AMDTreat*<sup>®</sup> v.4.1 Help Guide.

$$Top\ Width_{LS} = \frac{3 * Depth_{LS}}{4 * Slope} + \left\{ \frac{-5 * (Depth_{LS})^2}{48 * (Slope)^2} + \frac{0.5 * Limestone\ Volume}{Depth_{LS}} \right\}^{1/2} \quad (5)$$

$$Top\ Length_{LS} = 2 * Top\ Width_{LS} \quad (6)$$

$$Top\ Width_{Water} = Top\ Width_{LS} + \frac{2 * Depth_{Water}}{Slope} \quad (7)$$

$$Top\ Length_{Water} = Top\ Length_{LS} + \frac{2 * Depth_{Water}}{Slope} \quad (8)$$



Equation 9 calculates the volume of the water in the limestone bed based on the dimensions of the limestone and water layers of the limestone bed.

$$\text{Water Volume} = \text{Top Width}_{\text{Water}} * \text{Top Length}_{\text{Water}} + 4 * \left( \text{Top Length}_{\text{Water}} - \frac{\text{Depth}_{\text{Water}}}{\text{Slope}} \right) * \left( \text{Top Width}_{\text{Water}} - \frac{\text{Depth}_{\text{Water}}}{\text{Slope}} \right) + \frac{\text{Width}_{\text{LS}} * \text{Length}_{\text{LS}} * \text{Depth}}{6} \quad (9)$$

Equation 10 calculates the excavation cost based on the limestone and water volumes. The freeboard is not included in the excavation volume because *AMDTreat*<sup>®</sup> v.4.1 assumes that the excavated volume will be used to create a berm around the limestone bed or the freeboard volume.

$$\text{Excavation Cost} = (\text{Limestone Volume} + \text{Water Volume}) * \frac{\text{Excavation Unit Cost}}{\text{CF}_{\text{volume}}} \quad (10)$$

Table 4-2 describes the variables in the excavation cost section of the limestone bed cost module shown in Equations 5 through 10 and provides the values used in the equations for each effluent scenario.

Table 4-2. Excavation Cost Variable Description

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
CF <sub>volume</sub>	ft <sup>3</sup> /yd <sup>3</sup>	Conversion factor for converting cubic feet to cubic yards	27 ft <sup>3</sup> /yd <sup>3</sup>	Constant	27 ft <sup>3</sup> /yd <sup>3</sup>	Constant
CF <sub>weight</sub>	lb/ton	Conversion factor for converting pounds to tons	2,000 lb/ton	Constant	2,000 lb/ton	Constant
Density	lb/ft <sup>3</sup>	Density of loose limestone in the limestone bed as delivered to the site including void space	94.3 lb/ft <sup>3</sup>	AMDTreat <sup>®</sup> v.4.1	94.3 lb/ft <sup>3</sup>	AMDTreat <sup>®</sup> v.4.1
Depth <sub>LS</sub>	ft	Depth of limestone in limestone bed	3 ft	AMDTreat <sup>®</sup> v.4.1	3 ft	AMDTreat <sup>®</sup> v.4.1
Depth <sub>Water</sub>	ft	Depth of water in the limestone bed	2 ft	AMDTreat <sup>®</sup> v.4.1	2 ft	AMDTreat <sup>®</sup> v.4.1
Excavation Cost	\$	Cost of excavating soil for the limestone bed	NA	Calculated in Equation 10	NA	Calculated in Equation 10
Excavation Unit Cost	\$/yd <sup>3</sup>	Cost of excavating	\$ 5.5/yd <sup>3</sup>	AMDTreat <sup>®</sup> v.4.1	\$ 5.5/yd <sup>3</sup>	AMDTreat <sup>®</sup> v.4.1
Top Length <sub>LS</sub>	ft	Length of limestone bed at the top of the limestone	NA	Calculated in Equation 6	NA	Calculated in Equation 6
Top Length <sub>Water</sub>	ft	Length of limestone bed at the top of the water layer	NA	Calculated in Equation 8	NA	Calculated in Equation 8
Limestone	ton	Amount of limestone to achieve desired pH	NA	Calculated in Equation 2	NA	Calculated in Equation 2
Limestone Volume	ft <sup>3</sup>	Volume of limestone based on the amount of limestone required to achieve the desired pH	NA	Calculated in Equation 4	NA	Calculated in Equation 4
Slope	None	Slope of the sides of the limestone bed	0.5	AMDTreat <sup>®</sup> v.4.1	0.5	AMDTreat <sup>®</sup> v.4.1
Water Volume	ft <sup>3</sup>	Volume of water in the limestone bed	NA	Calculated in Equation 9	NA	Calculated in Equation 9

Table 4-2. Excavation Cost Variable Description

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
Top Width <sub>LS</sub>	ft	Width of limestone bed at the top of the limestone	NA	Calculated in Equation 5	NA	Calculated in Equation 5
Top Width <sub>Water</sub>	ft	Width of limestone bed at the top of the water layer	NA	Calculated in Equation 7	NA	Calculated in Equation 7

<sup>a</sup>Effluent Scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent Scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 4.1.3 Liner Cost

The limestone bed is lined with either a clay or synthetic liner. EPA calculated the cost of both liners. The liner cost is based on the surface area of the bottom and sides of the limestone bed. The surface area depends on the dimensions of the limestone bed.

Equations 11 through 14 calculates additional dimensions of the limestone bed.

$$\text{Bottom Width}_{\text{LS}} = \text{Top Width}_{\text{LS}} - \frac{2 * \text{Depth}_{\text{LS}}}{\text{Slope}} \quad (11)$$

$$\text{Bottom Length}_{\text{LS}} = \text{Top Length}_{\text{LS}} - \frac{2 * \text{Depth}_{\text{LS}}}{\text{Slope}} \quad (12)$$

$$\text{Top Width}_{\text{FB}} = \text{Top Width}_{\text{Water}} + \frac{2 * \text{Depth}_{\text{FB}}}{\text{Slope}} \quad (13)$$

$$\text{Top Length}_{\text{FB}} = \text{Top Length}_{\text{Water}} - \frac{2 * \text{Depth}_{\text{FB}}}{\text{Slope}} \quad (14)$$

Equations 15 and 16 calculates the surface area of the limestone bed based on various dimensions of the limestone bed.

$$\begin{aligned} \text{Surface Area} = & \{(\text{Top Length}_{\text{FB}} + \text{Bottom Length}_{\text{LS}} + \text{Top Width}_{\text{FB}} + \text{Bottom Width}_{\text{LS}}) * \frac{(\text{Depth}_{\text{Total}})^2}{\text{Slope}} \\ & + \frac{(\text{Depth}_{\text{Total}})^2}{\text{Slope}}\}^{1/2} + \text{Bottom Width}_{\text{LS}} * \text{Bottom Length}_{\text{LS}} \end{aligned} \quad (15)$$

Where:

$$\text{Depth}_{\text{Total}} = \text{Depth}_{\text{LS}} + \text{Depth}_{\text{Water}} + \text{Depth}_{\text{FB}} \quad (16)$$

Equation 17 calculates the cost of a clay liner for the limestone bed based on the limestone bed surface area and clay thickness.

$$\text{Clay Liner Cost} = \frac{\text{Surface Area}}{\text{CF}_{\text{volume}}} * \text{Thickness} * \text{Clay Liner Unit Cost} \quad (17)$$

Equation 18 calculates the cost of a synthetic liner for the limestone bed based on the limestone bed surface area.

$$\text{Synthetic Liner Cost} = \frac{\text{Surface Area}}{\text{CF}_{\text{area}}} * \text{Synthetic Liner Unit Cost} \quad (18)$$

Table 4-3 describes the variables in the limestone bed liner cost section of the limestone bed cost module shown in Equations 11 through 18 and provides the values used in the equations for each effluent scenario.

Table 4-3. Liner Cost Variable Description

Variable	Units	Variable Description	Effluent Scenarios 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Bottom Width <sub>LS</sub>	ft	Width of limestone bed at the bottom of the limestone layer	NA	Calculated in Equation 11
Bottom Length <sub>LS</sub>	ft	Length of limestone bed at the bottom of the limestone layer	NA	Calculated in Equation 12
CF <sub>area</sub>	ft <sup>2</sup> /yd <sup>2</sup>	Conversion factor for converting square feet to square yards	9 ft <sup>2</sup> /yd <sup>2</sup>	Constant
CF <sub>volume</sub>	ft <sup>3</sup> /yd <sup>3</sup>	Conversion factor for converting cubic feet to cubic yards	27 ft <sup>3</sup> /yd <sup>3</sup>	Constant
Clay Liner Cost	\$	Cost of clay liner	NA	Calculated in Equation 17
Clay Liner Unit Cost	\$/yd <sup>3</sup>	Unit cost of clay liner	\$ 5/yd <sup>3</sup>	AMDTreat <sup>®</sup> v.4.1
Depth <sub>FB</sub>	ft	Depth of freeboard in the limestone bed	3 ft	AMDTreat <sup>®</sup> v.4.1
Depth <sub>LS</sub>	ft	Depth of limestone in limestone bed	3 ft	AMDTreat <sup>®</sup> v.4.1
Depth <sub>Total</sub>	ft	Total depth of the limestone bed	NA	Calculated in Equation 16
Depth <sub>Water</sub>	ft	Depth of water layer in the limestone bed	2 ft	AMDTreat <sup>®</sup> v.4.1
Slope	None	Slope of the sides of the limestone bed	0.5	AMDTreat <sup>®</sup> v.4.1
Surface Area	ft <sup>2</sup>	Surface area of the limestone bed including the limestone, water, and freeboard layers	NA	Calculated in Equation 15
Synthetic Liner Cost	\$	Cost of synthetic liner	NA	Calculated in Equation 18
Synthetic Liner Unit Cost	\$/yd <sup>2</sup>	Unit cost of synthetic liner	\$ 5.50/yd <sup>2</sup>	AMDTreat <sup>®</sup> v.4.1
Thickness	ft	Clay liner thickness	0.5 ft	AMDTreat <sup>®</sup> v.4.1
Top Length <sub>FB</sub>	ft	Length of limestone bed at the top of the freeboard layer	NA	Calculated in Equation 14
Top Length <sub>Water</sub>	ft	Length of limestone bed at the top of the water layer	NA	Calculated in Equation 8
Top Width <sub>FB</sub>	ft	Width of limestone bed at the top of the freeboard layer	NA	Calculated in Equation 13
Top Width <sub>LS</sub>	ft	Width of limestone bed at the top of the limestone layer	NA	Calculated in Equation 5
Top Width <sub>Water</sub>	ft	Width of limestone bed at the top of the water layer	NA	Calculated in Equation 7

<sup>a</sup>Effluent Scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent Scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

4.1.4 Piping Cost

The limestone bed has piping below the limestone layer to convey treated water out of the limestone bed. This minimizes the amount of insoluble metal hydroxides that precipitate in the limestone bed. The piping costs in the limestone bed module includes the trunk pipe, trunk pipe couplers, spur pipe, spur couplers, “T” connectors, and labor. Figure 4-1 presents the piping layout in the limestone bed.

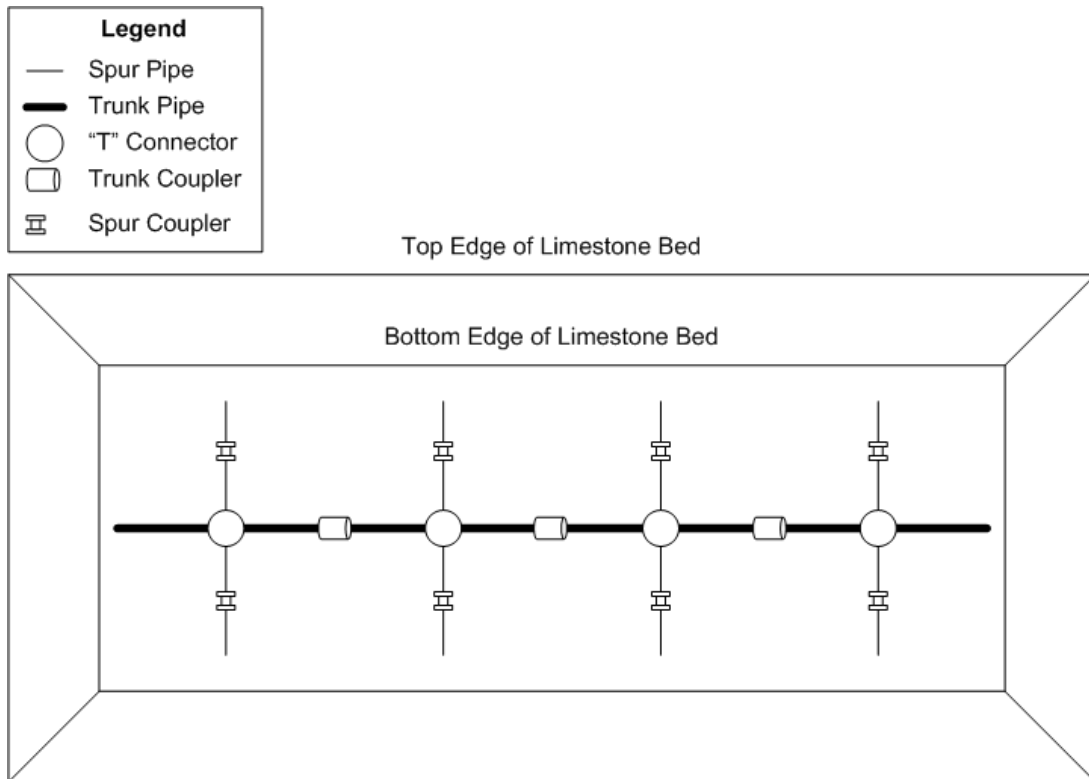


Figure 4-1. Limestone Bed Piping Layout

Equations 19 through 24 calculate the cost of the piping, pipe connectors, and labor to install the piping. The term “Roundup{equation, 0}” represents the number of pipe segments that will need purchased because partial segments are not available. For example, if a segment is 20 feet and the length required by the limestone bed is 45 feet, three segments must be purchased.

$$\text{Trunk Pipe Cost} = \text{Roundup} \left\{ \frac{\text{Bottom Length}_{LS} + E/I \text{ Pipe}}{\text{Length}_{\text{Trunk}}}, 0 \right\} * \text{Length}_{\text{Trunk}} * \text{Trunk Pipe Unit Cost} \quad (19)$$

$$\text{Trunk Coupler Cost} = \left\{ \text{Roundup} \left\{ \frac{\text{Bottom Length}_{LS} + E/I \text{ Pipe}}{\text{Length}_{\text{Trunk}}}, 0 \right\} - 1 \right\} * \text{Trunk Coupler Unit Cost} \quad (20)$$

$$\text{Spur Pipe Cost} = \text{Roundup} \left\{ \frac{\text{Bottom Length}_{LS}}{\text{Spur Spacing}}, 0 \right\} * \text{Roundup} \left\{ \frac{\text{Bottom Width}_{LS}}{\text{Length}_{\text{Spur}}}, 0 \right\} * \text{Length}_{\text{Spur}} * \text{Spur Unit Cost} \quad (21)$$

$$\text{Spur Coupler Cost} = \left\{ \text{Roundup} \left\{ \frac{\text{Bottom Width}_{LS}}{\text{Length}_{Spur}}, 0 \right\} - 1 \right\} * \text{Roundup} \left\{ \frac{\text{Bottom Length}_{LS}}{\text{Spur Spacing}}, 0 \right\} * \text{Spur Coupler Unit Cost} \quad (22)$$

$$\begin{aligned} \text{"T" Connector Cost} &= \text{Roundup} \left\{ \frac{\text{Bottom Length}_{LS}}{\text{Length}_{Spur}}, 0 \right\} * \text{Roundup} \left\{ \frac{\text{Bottom Length}_{LS}}{\text{Spur Spacing}}, 0 \right\} * \text{Length}_{Spur} \quad (23) \\ &+ \text{Roundup} \left\{ \frac{\text{E/I Pipe} + \text{Bottom Length}_{LS}}{\text{Length}_{Trunk}}, 0 \right\} * \text{Length}_{Trunk} * \frac{\text{Labor Rate}}{\text{Install Rate}} \end{aligned}$$

$$\begin{aligned} \text{Labor Cost} &= \left\{ \text{Roundup} \left\{ \frac{\text{Bottom Width}_{LS}}{\text{Length}_{Spur}}, 0 \right\} * \text{Roundup} \left\{ \frac{\text{Bottom Length}_{LS}}{\text{Spur Spacing}}, 0 \right\} * \text{Length}_{Spur} \quad (24) \right. \\ &\left. + \text{Roundup} \left\{ \frac{\text{E/I Pipe} + \text{Bottom Length}_{LS}}{\text{Length}_{Trunk}}, 0 \right\} * \text{Length}_{Trunk} \right\} * \frac{\text{Labor Rate}}{\text{Install Rate}} \end{aligned}$$

$$\begin{aligned} \text{Piping Cost} &= \text{Trunk Pipe Cost} + \text{Trunk Coupler Cost} + \text{Spur Pipe Cost} + \text{Spur Coupler Cost} \quad (25) \\ &+ \text{"T" Connector Cost} + \text{Labor Cost} \end{aligned}$$

Table 4-4 describes the variables in the piping cost section of the limestone bed cost module shown in Equations 19 through 25 and provides the values used in the equations for each effluent scenario.

**Table 4-4. Piping Cost Variable Description**

Variable	Units	Variable Description	Effluent Scenarios 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
"T" Connector Cost	\$	Cost of "T" connector that connects the spur pipe and trunk pipe	NA	Calculated in Equation 23
Bottom Length <sub>LS</sub>	ft	Length of limestone bed at the bottom of the limestone layer	NA	Calculated in Equation 12
Bottom Width <sub>LS</sub>	ft	Width of limestone bed at the bottom of the limestone layer	NA	Calculated in Equation 11
E/I Pipe	ft	Length of effluent and influent pipe to the limestone bed	20 ft	AMDTreat <sup>®</sup> v.4.1
Install Rate	ft/hr	Pipe installation rate	11 ft/hr	AMDTreat <sup>®</sup> v.4.1
Labor Cost	\$	Labor cost to install the piping	NA	Calculated in Equation 24
Labor Rate	\$/hr	Cost of labor	\$ 35/hr	AMDTreat <sup>®</sup> v.4.1
Length <sub>Spur</sub>	ft	Length of spur pipe segment	20 ft	AMDTreat <sup>®</sup> v.4.1
Length <sub>Trunk</sub>	ft/segment	Length of a trunk pipe segment	20 ft/segment	AMDTreat <sup>®</sup> v.4.1
Piping Cost	\$	Total cost of piping	NA	Calculated in Equation 25
Spur Coupler Cost	\$	Cost of couplers for the spur pipe segments	NA	Calculated in Equation 22
Spur Coupler Unit Cost	\$/coupler	Unit cost of coupler for the spur pipe segments	\$ 3/coupler	AMDTreat <sup>®</sup> v.4.1

**Table 4-4. Piping Cost Variable Description**

Variable	Units	Variable Description	Effluent Scenarios 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Spur Pipe Cost	\$	Cost of spur pipe	NA	Calculated in Equation 21
Spur Spacing	ft	Spacing between spur segments	10 ft	AMDTreat <sup>®</sup> v.4.1
Spur Unit Cost	\$/ft	Unit cost of spur pipe	\$ 7/ft	AMDTreat <sup>®</sup> v.4.1
Trunk Coupler Cost	\$	Cost of couplers for the trunk pipe segments	NA	Calculated in Equation 20
Trunk Coupler Unit Cost	\$/coupler	Unit cost of coupler for the trunk pipe segments	\$ 6.6/coupler	AMDTreat <sup>®</sup> v.4.1
Trunk Pipe Cost	\$	Cost of trunk pipe	NA	Calculated in Equation 19
Trunk Pipe Unit Cost	\$/ft	Unit cost of trunk pipe	\$ 15/ft	AMDTreat <sup>®</sup> v.4.1

<sup>a</sup>Effluent Scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent Scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

#### 4.1.5 Total Capital Costs

The total capital cost of the limestone bed includes the cost of the limestone, soil excavation, liner, piping, and installation.

Equation 26 calculates the total capital cost of the limestone bed with a clay liner.

$$\text{Total Capital Cost}_{\text{Clay}} = \text{Limestone Cost} + \text{Excavation Cost} + \text{Clay Liner Cost} + \text{Piping Cost} \quad (26)$$

Equation 27 calculates the total capital cost of the limestone bed with a synthetic liner.

$$\text{Total Capital Cost}_{\text{Synthetic}} = \text{Limestone Cost} + \text{Excavation Cost} + \text{Synthetic Liner Cost} + \text{Piping Cost} \quad (27)$$

Table 4-5 describes the variables in the total capital cost section of the limestone bed cost module shown in Equations 25 and 26 and provides the values used in the equations for each effluent scenario.

**Table 4-5. Total Capital Cost Variable Description**

Variable	Units	Variable Description	Effluent Scenarios 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Clay Liner Cost	\$	Cost of clay liner	NA	Calculated in Equation 17
Excavation Cost	\$	Cost of excavating soil for the limestone bed	NA	Calculated in Equation 10



**Table 4-5. Total Capital Cost Variable Description**

Variable	Units	Variable Description	Effluent Scenarios 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Limestone Cost	\$	Cost of limestone required to achieve desired pH	NA	Calculated in Equation 3
Piping Cost	\$	Total cost of piping	NA	Calculated in Equation 25
Synthetic Liner Cost	\$	Cost of synthetic liner	NA	Calculated in Equation 18
Total Capital Cost <sub>Clay</sub>	\$	Total capital cost of the limestone bed using a clay liner	NA	Calculated in Equation 26
Total Capital Cost <sub>Synthetic</sub>	\$	Total capital cost of the limestone bed using a synthetic liner	NA	Calculated in Equation 27

<sup>a</sup>Effluent Scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR Part 434.

<sup>b</sup>Effluent Scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

## 4.2 Annual Costs

The annual costs for a limestone bed treatment system include the following items:

- Sludge removal cost;
- Limestone turning cost;
- Sampling cost; and
- Maintenance labor cost.

The following sections describe how each of these costs is calculated in the limestone bed module. The sampling cost and maintenance costs will be the same for both effluent scenario because these portions of the cost module do not depend on effluent water characteristics. Therefore, the sampling cost and maintenance cost for each effluent scenario will off-set when the total costs are compared. However, these costs are included for comparison to other costing modules in EPA's Detailed Study of the Coal Mining Point Source Category.

### 4.2.1 *Sludge Removal Cost*

The sludge generated annually depends on the water chemistry, such as final pH and ion concentrations, and settling pond retention time. EPA assumes that when the discharge reaches pH 10 for effluent scenario 1, the following effluent quality will be achieved based on metal solubilities from Figure 2-2 (Means, 2004)<sup>5</sup>:

<sup>5</sup> EPA received comments from Dr. Charles Cravotta (U.S.G.S.) and Mr. Brent Means (OSMRE), regarding EPA's assumption that Part 434 limits would be achieved if pH is adjusted to a certain point (i.e., that the iron monthly average limit of 3.0 mg/L would be achieved if pH is adjusted to 8.3, and that the manganese monthly average limit of 2 mg/L would be achieved if pH is adjusted to 10). Both scientists point out the limitations of such assumptions. Dr. Cravotta has demonstrated that effluent pH may be a poor means of quantifying the effluent quality. That is, in

- Iron at 3.0 mg/L;
- Manganese at 2.0 mg/L;
- A 99 percent reduction in aluminum from untreated; and
- A 10 percent reduction in magnesium from untreated.

EPA assumes that when the discharges reaches pH 7 for effluent scenario 2, the following effluent quality will be achieved based on metals solubilities from Figure 2-2 (Means, 2004):<sup>6</sup>

- Iron at 3.0 mg/L;
- A 10 percent reduction in manganese from untreated;
- A 99 percent reduction in aluminum from untreated; and
- A 10 percent reduction in magnesium from untreated.

This cost module does not include the amount of sludge generated from other insoluble metal hydroxides; however, it over estimates sludge resulting from the iron, aluminum, manganese, and magnesium.

Equations 27 through 30 calculate the amount of sludge generated from aluminum, iron, manganese, and magnesium, respectively. Equation 31 calculates the annual sludge removal cost.

$$\text{Sludge}_{\text{Al}} = \text{Al} * \text{Al}_{\text{reduction}} * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (27)$$

$$\text{Sludge}_{\text{Fe}} = \{(\text{Fe}^{3+} + \text{Fe}^{2+}) - \text{Fe}_{\text{limit}}\} * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (28)$$

$$\text{Sludge}_{\text{Mn}} = \{(\text{Mn} - \text{Mn}_{\text{limit}}) * \text{Mn}_{\text{reduction}} * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (29)$$

$$\text{Sludge}_{\text{Mg}} = \text{Mg} * \text{Mg}_{\text{reduction}} * \text{Flow} * \frac{\text{CF}_{\text{volume}}}{\text{CF}_{\text{weight}}} * \text{CF}_{\text{time}} * \frac{1}{\text{Density}_{\text{sludge}}} * \frac{1}{\% \text{ Solids}} \quad (30)$$

$$\text{Annual Sludge Cost} = \{\text{Sludge}_{\text{Al}} + \text{Sludge}_{\text{Fe}} + \text{Sludge}_{\text{Mn}} + \text{Sludge}_{\text{Mg}}\} * \text{Removal Cost} \quad (31)$$

Table 4-6 describes the variables in the sludge removal cost section of the limestone bed cost module shown in Equations 27 through 31 and provides the values used in the equations for each effluent scenario.

some cases, especially when ferrous iron is present in the AMD, an effluent pH of 8.3 may still result in effluent iron levels that consistently exceed the 3.0 mg/L monthly limit. EPA is considering refining future treatment cost estimates with continued input from Dr. Cravotta and Mr. Means, and EPA recognizes that the cost estimates resulting from these modules represent gross cost estimates. For this stage of EPA's evaluation of the Detailed Study of the Coal Mining Industry, these gross cost estimates sufficiently address EPA's question of how much extra cost the industry incurs to treat AMD for manganese, rather than solely for iron. The costs estimated for sludge removal represent between 0.5 percent and 6.5 percent of the total annualized cost.

<sup>6</sup> Ibid.

Table 4-6. Sludge Removal Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
% Solids	%	Ratio of the weight of solids to the weight of water	5 %	AMDTreat <sup>®</sup> v.4.1	5 %	AMDTreat <sup>®</sup> v.4.1
Al	mg/L	Aluminum concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Al <sub>reduction</sub>	%	Percent reduction of aluminum from untreated to final effluent	99 %	<i>Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage</i> (Means, 2004)	99 %	<i>Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage</i> (Means, 2004)
Annual Sludge Cost	\$/yr	Annual cost of removing sludge	NA	Calculated in Equation 31	NA	Calculated in Equation 31
CF <sub>time</sub>	min/yr	Conversion factor for converting minutes to years	525,600 min/yr	Constant	525,600 min/yr	Constant
CF <sub>volume</sub>	L/gal	Conversion factor for converting liters to gallons	3.785 L/gal	Constant	3.785 L/gal	Constant
CF <sub>weight</sub>	mg/lb	Conversion factor for converting milligrams to pounds	454,000 mg/lb	Constant	454,000 mg/lb	Constant
Density <sub>sludge</sub>	lb/gal	Density of solids and water in sludge	8.33 lb/gal	AMDTreat <sup>®</sup> v.4.1 - Assumes same as water density	8.33 lb/gal	AMDTreat <sup>®</sup> v.4.1 - Assumes same as water density
Fe <sup>2+</sup>	mg/L	Ferrous iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Fe <sup>3+</sup>	mg/L	Ferric iron concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Fe <sub>limit</sub>	mg/L	Effluent limit for iron	3.0 mg/L	40 CFR Part 434	3.0 mg/L	40 CFR Part 434
Flow	gpm	Discharge flow	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Mg	mg/L	Magnesium concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics

Table 4-6. Sludge Removal Cost Variable Descriptions

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup>		Effluent Scenario 2 <sup>b</sup>	
			Value	Value Source	Value	Value Source
Mg <sub>reduction</sub>	mg/L	Percent reduction of magnesium from untreated to final effluent	10 %	<i>Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage</i> (Means, 2004)	0 %	<i>Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage</i> (Means, 2004)
Mn	mg/L	Manganese concentration in untreated discharge	Input Parameter	Model Mine Characteristics	Input Parameter	Model Mine Characteristics
Mn <sub>limit</sub>	mg/L	Effluent limit for manganese	2.0 mg/L	40 CFR Part 434	0	Effluent value will be estimated based on performance data received from coal mines with chemical precipitation
Removal Cost	\$/gal	Cost of removing sludge	\$ 0.06/gal	<i>AMDTreat</i> <sup>®</sup> v.4.1	\$ 0.06/gal	<i>AMDTreat</i> <sup>®</sup> v.4.1
Sludge <sub>Al</sub>	gal/yr	Amount of sludge generated from the precipitation of aluminum	NA	Calculated in Equation 27	NA	Calculated in Equation 27
Sludge <sub>Fe</sub>	gal/yr	Amount of sludge generated from the precipitation of iron	NA	Calculated in Equation 28	NA	Calculated in Equation 28
Sludge <sub>Mg</sub>	gal/yr	Amount of sludge generated from the precipitation of magnesium	NA	Calculated in Equation 30	NA	Calculated in Equation 30
Sludge <sub>Mn</sub>	gal/yr	Amount of sludge generated from the precipitation of manganese	NA	Calculated in Equation 29	NA	Calculated in Equation 29

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 4.2.2 Limestone Turning Cost

The limestone turning cost includes the labor required to turn the limestone in the limestone bed to flush out the insoluble metal hydroxides that settle in the limestone bed and armor the limestone. The insoluble metal hydroxides coat the limestone and reduce the ability of the limestone to react with the discharge. This cost module assumes that the limestone in the limestone bed needs turned every two years to remove the insoluble metal hydroxides (ERG, 2006). This cost module also assumes that the cost of excavating the limestone every two years is equal to the excavation cost from Equation 10.

Equation 32 calculates the annual limestone turning cost assuming every time the limestone requires turning the cost is equal to the excavation cost from Equation 10, which occurs every five years.

$$\text{Limestone Turing Cost} = \frac{\text{Excavation Cost}}{\text{Turing Time}} \quad (32)$$

Table 4-7 describes the variables in the sampling cost section of the limestone bed cost module shown in Equation 32 and provides the values used in equations for both effluent scenarios. The sampling costs are the same for both effluent scenarios.

**Table 4-7. Limestone Turning Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Excavation Cost	\$	Cost of excavating soil for the limestone bed	NA	Calculated in Equation 10
Limestone Turning Cost	\$/yr	Cost of turning the limestone to remove the insoluble metal hydroxides that settled in the limestone bed	NA	Calculated in Equation 32
Turning Time	yr	Frequency of turning the limestone in the limestone bed	2 yr	“Site Visit Report Pennsylvania Coal Mine Acid Drainage Treatment Systems” (ERG, 2006)

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 4.2.3 Sampling Cost

The annual sampling cost includes the labor for collecting the samples and the sampling lab analysis costs. This cost module assumes that the number of samples required yearly is independent of the flow, net acidity, raw AMD metals concentrations, or treatment technology. Based on conversations with coal mine wastewater treatment operators, sampling is only conducted to meet the NPDES permit requirements (Wolford, 2007b; Wolford, 2007c). The

sampling costs for both effluent scenarios are the same because sampling requirements are independent of effluent quality. EPA included the sampling cost anyway.

Equations 33 through 36 calculate the annual sampling cost assuming the NPDES permits require bi-monthly sampling.

$$\text{Collection Labor} = \text{Sampling Points} * \text{Collection Time} * \text{Monthly Frequency} * \text{CF}_{\text{time}} * \text{Labor Cost} \quad (33)$$

$$\text{Travel Labor} = \text{Monthly Frequency} * \text{Travel Time} * \text{CF}_{\text{time}} * \text{Labor Cost} \quad (34)$$

$$\text{Lab Cost} = \text{Sampling Points} * \text{Monthly Frequency} * \text{CF}_{\text{time}} * \text{Sample Cost} \quad (35)$$

$$\text{Annual Sampling Cost} = \text{Collection Labor} + \text{Travel Labor} + \text{Lab Cost} \quad (36)$$

Table 4-8 describes the variables in the sampling cost section of the limestone bed cost module shown in Equations 33 through 36 and provides the values used in equations for both effluent scenarios. The sampling costs are the same for both effluent scenarios.

**Table 4-8. Sampling Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Annual Sampling Cost	\$/yr	Annual sampling cost	NA	Calculated in Equation 36
CF <sub>time</sub>	mo/yr	Conversion factor for converting months to years	12 mo/yr	Constant
Collection Labor	\$/yr	Annual labor cost for worker to collect samples	NA	Calculated in Equation 33
Collection Time	hr	Average time expected for the worker to collect one sample	0.33 hr	AMDTreat <sup>®</sup> v.4.1
Lab Cost	\$/yr	Annual cost for laboratory analysis	NA	Calculated in Equation 35
Labor Rate	\$/hr	Hourly rate for worker	\$ 35.00/hr	AMDTreat <sup>®</sup> v.4.1
Monthly Frequency	No./month	Number of samples collected per month	2/month	AMDTreat <sup>®</sup> v.4.1
Sample Cost	\$/sample	Cost of laboratory analysis for one sample for all analytical tests	\$ 27.00/sample	AMDTreat <sup>®</sup> v.4.1
Sampling Points	No.	Number of sampling points in treatment system	3	AMDTreat <sup>®</sup> v.4.1- Assumes sampling effluent and upstream and downstream of the discharge location
Travel Labor	\$/yr	Annual labor cost for worker to travel to site	NA	Calculated in Equation 34
Travel Time	hr	Time expected for worker to travel from the office to the site	1 hr	AMDTreat <sup>®</sup> v.4.1

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

#### 4.2.4 Maintenance Labor Cost

The labor cost associated with maintaining the limestone bed treatment system is based on the weekly site visits required by the operator to make sure the system is operating correctly. Mr. Mark Tercek of PBS Coals, Inc. reported that passive treatment systems, including limestone beds, require operators to check the site weekly or bi-weekly (Wolford, 2007c). EPA assumed that passive treatment systems require operators to check the site weekly. The maintenance labor cost does not depend on effluent water characteristics but rather the type of treatment system; therefore, the maintenance labor cost is the same for both effluent scenarios. The maintenance labor cost does not include the annual cost of replacing mechanical parts because EPA assumes the cost would be the same for both effluent scenarios.

Equation 37 calculates the cost of labor required to maintain the limestone bed.

$$\text{Annual Maintenance Cost} = \text{Visits per Week} * \{\text{Labor Time} + \text{Travel Time}\} * \text{Labor Rate} * \text{CF}_{\text{time}} \quad (37)$$

Table 4-9 describes the variables in the maintenance labor cost section of the hydrated lime cost module shown in Equation 37 and provides the values used in equations for both effluent scenarios. The maintenance labor cost variables are the same for both effluent scenarios.

**Table 4-9. Maintenance Labor Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Annual Maintenance Cost	\$/yr	Annual maintenance cost	NA	Calculated in Equation 37
CF <sub>time</sub>	wk/yr	Conversion factor for converting weeks to years	52 wk/yr	Constant
Labor Rate	\$/hr	Hourly rate for worker	\$ 35.00/hr	AMDTreat <sup>®</sup> v.4.1
Labor Time	hr	Time expected for worker to inspect the treatment system and ensure it's working correctly	2 hr	AMDTreat <sup>®</sup> v.4.1
Travel Time	hr	Time expected for worker to travel from the office to the site	1 hr	AMDTreat <sup>®</sup> v.4.1
Visits per Week	No./wk	Number of visits required to maintain the system per week	1/wk	Personal communication with Mr. Mark Tercek, PBS Coals, Inc. (Wolford, 2007c)

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 4.2.5 Total Annual Cost

Equation 38 calculates the total annual costs for the limestone bed system.

$$\text{Total Annual Cost} = \text{Annual Sludge Cost} + \text{Annual Sampling Cost} + \text{Annual Maintenance} \quad (38)$$

Table 4-10 describes the variables in the total annual cost section of the limestone bed module shown in Equation 38 and provides the values used in the equations for both effluent scenarios. The total annual cost variables are the same for both effluent scenarios.

**Table 4-10. Total Annual Cost Variable Descriptions**

Variable	Variable Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Annual Maintenance Cost	\$/yr	Annual maintenance cost	NA	Calculated in Equation 37
Annual Sampling Cost	\$/yr	Annual sampling cost	NA	Calculated in Equation 36
Annual Sludge Cost	\$/yr	Annual cost of removing sludge	NA	Calculated in Equation 31
Total Annual Cost	\$/yr	Total annual cost	NA	Calculated in Equation 38

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

### 4.3 Effluent Scenario Cost Comparison

EPA is estimating the cost difference between using chemical precipitation and other treatment technologies to achieve two different effluent scenarios:

1. To meet all of the 40 CFR Part 434 limits (TSS, pH, iron, and manganese); and
2. To meet only the TSS, pH, and iron limits in 40 CFR Part 434.

Prior to calculating the cost difference, the capital costs must be annualized for each effluent scenario. Equations 39 and 40 calculate the total annualized costs for the hydrated lime chemical precipitation system.

$$\text{Annualized Capital Cost} = \text{Total Capital Cost} * \frac{\{\text{Interest} * (1 + \text{Interest})^{\text{years}}\}}{(1 + \text{Interest})^{\text{years}} - 1} \quad (39)$$

$$\text{Total Annualized Cost} = \text{Annualized Capital Cost} + \text{Total Annual Cost} \quad (40)$$

Equation 41 compares the total annualized cost for effluent scenario 1 with the total annualized cost for effluent scenario 2.

$$\text{Net Annual Cost} = \text{Total Annualized Cost}_{\text{Effluent Scenario 1}} - \text{Total Annualized Cost}_{\text{Effluent Scenario 2}} \quad (41)$$



Table 4-11 describes the variables in the effluent scenario cost comparison section of the hydrated lime cost module shown in equations 39, 40, and 41 and provides the values used in the equations for each effluent scenario.

**Table 4-11. Effluent Scenario Cost Comparison Variable Descriptions**

Variable	Units	Variable Description	Effluent Scenario 1 <sup>a</sup> and 2 <sup>b</sup>	
			Value	Value Source
Annualized Capital Cost	\$/yr	Annualized capital cost for hydrated lime treatment system	NA	Calculated in Equation 39
Interest	%	Interest rate for annualization	10 %	EPA
Net Annual Cost	\$/yr	Net annual cost to increase from pH 8.3 to pH 10 using hydrated lime treatment system	NA	Calculated in Equation 41
Total Annual Cost	\$/yr	Total annual cost	NA	Calculated in Equation 38
Total Annualized Cost	\$/yr	Total annualized cost (capital and annual) for caustic treatment system	NA	Calculated in Equation 40
Total Capital Cost	\$	Total capital cost for the hydrated lime treatment system	NA	Calculated in Equation 27
Years	yr	Years for annualization calculation	75 yr	<i>PA DEP Bureau of Mining and Reclamation Technical Guidance Document: Evaluating Postmining Discharges (PA DEP, 1997)</i>

<sup>a</sup>Effluent scenario 1 estimates the cost of treating AMD to meet the limits in 40 CFR part 434.

<sup>b</sup>Effluent scenario 2 estimates the cost of treating AMD to meet only the TSS, pH, and iron limits in 40 CFR Part 434.

---

**5.0 REFERENCE**

1. ERG. Eastern Research Group, Inc. 2006. "Site Visit Report Pennsylvania Coal Mine Acid Drainage Treatment Systems." (October). EPA-HQ-OW-2004-0032-2311.
2. Kirby, Carl S. and Charles A. Cravotta III. 2005a. *Net Alkalinity and Net Acidity I: Theoretical Considerations*. Applied Geochemistry 20 (2005) 1920 – 1940. Available online at <http://www.sciencedirect.com>. (September 19). EPA-HQ-OW-2006-0771-0010.
3. Kirby, Carl S and Charles A. Cravotta III. 2005b. *Net Alkalinity and Net Acidity2: Practical Considerations*. Applied Geochemistry 20 (2005) 1920 – 1940. Available online at <http://www.sciencedirect.com>. (September 19). EPA-HQ-OW-2006-0771-0140.
4. Means, Brent and Tiff Hilton. 2004. *Comparison of Three Methods to Measure Acidity of Coal-Mine Drainage*. 2004 National Meeting of the American Society of Mining and Reclamation. Lexington, KY. Unknown. EPA-HQ-OW-2006-0771-0142.
5. PA DEP. Pennsylvania Department of Environmental Protection. 1997. *PA DEP Bureau of Mining and Reclamation Technical Guidance Document: Evaluating Postmining Discharges*. TGD 563-2504-412. (May 30). EPA-HQ-OW-2006-0771 DCN 04265.
6. OSMRE. U.S. Department of Interior, Office of Surface Mining Reclamation and Enforcement. 2007a. *AMDTreat*<sup>®</sup> Homepage. Pittsburgh, PA. (March 1). Available online at: <http://amd.osmre.gov/amdtreat.asp>.
7. OSMRE. U.S. Department of Interior, Office of Surface Mining Reclamation and Enforcement. 2007b. *AMDTreat*<sup>®</sup> v.4.1 Help Guide. Pittsburgh, PA. (April 1).
8. Sibrell, P. L., et. al. 2005. "Demonstration of a Pulsed Limestone Bed Process for the Treatment of Acid Mine Drainage at the Argo Tunnel Site, Idaho Springs, Colorado. Morgantown, West Virginia. (Unknown). Available online at: [http://mine-drainage.usgs.gov/pubs/ASMR\\_2005\\_Sibrell.pdf](http://mine-drainage.usgs.gov/pubs/ASMR_2005_Sibrell.pdf). EPA-HQ-OW-2006-0771-0151.
9. Skousen, Jeff and Paul Ziemkiewicz. 2005. "Performance of 116 Passive Treatment Systems for Acid Mine Drainage." Lexington, KY. (Unknown). Available online at: <http://www.wvu.edu/~agexten/landrec/skousen05asmr.pdf>. EPA-HQ-OW-2006-0771-0119.
10. U.S. EPA. 1982. *Development Document for Effluent Limitations Guidelines and Standards for the Coal Mining Point Source Category*. EPA-440/1-82/009. Washington, DC. (June).
11. Wolford, Jessica. Eastern Research Group, Inc. 2007a. Personal communication with Mr. Brent Means, Office of Surface Mining, Reclamation, and Enforcement. (June). EPA-HQ-OW-2006-0771-0065.

12. Wolford, Jessica. Eastern Research Group, Inc. 2007b. Personal communication with Mr. John Wilk, Pennsylvania Department of Environmental Protection. (May). EPA-HQ-OW-2006-0771-0195.
13. Wolford, Jessica. Eastern Research Group, Inc. 2007c. Personal communication with Mr. Mark Tercek, PBS Coals, Inc. (May). EPA-HQ-OW-2006-0771-0477.

**Attachment A – *AMDTreat*<sup>®</sup> v.4.1 Default Values for Limestone Bed Cost Module**

Table A-1. *AMDTreat*<sup>®</sup> v.4.1 Default Values for the Limestone Bed Cost Module

Variable	Variable Description	<i>AMDTreat</i> <sup>®</sup> v.4.1 Default Value	Equation Reference
% Solids	Ratio of the weight of solids to the weight of water	5 %	27, 28, 29, 30
Clay Liner Unit Cost	Unit cost of clay liner	\$ 5/yd <sup>3</sup>	17
Collection Time	Average time expected for the worker to collect one sample	0.33 hr	33
Density	Density of loose limestone in the limestone bed as delivered to the site including void space	94.3 lb/ft <sup>3</sup>	3, 4
Density <sub>Sludge</sub>	Density of solids and water in sludge	8.33 lb/gal	27, 28, 29, 30
Depth <sub>FB</sub>	Depth of freeboard in the limestone bed	3 ft	13, 14, 16
Depth <sub>LS</sub>	Depth of limestone in limestone bed	3 ft	5, 11, 12, 16
Depth <sub>Water</sub>	Depth of water layer in the limestone bed	2 ft	7, 8, 9, 16
E/I Pipe	Length of effluent and influent pipe to the limestone bed	20 ft	19, 20, 23, 24
Efficiency	Efficiency of limestone at imparting alkalinity	60 %	2
Excavation Unit Cost	Cost of excavating	\$ 5.5/yd <sup>3</sup>	10
Install Rate	Pipe installation rate	11 ft/hr	23, 24
Labor Rate	Cost of labor	\$ 35/hr	23, 24, 37
Labor Time	Time expected for worker to inspect the treatment system and ensure it's working correctly	2 hr	37
Length <sub>Spur</sub>	Length of spur pipe segment	20 ft	21, 22, 23, 24
Length <sub>Trunk</sub>	Length of a trunk pipe segment	20 ft/segment	19, 20, 23, 24
Limestone Placement Cost	Cost of placing the limestone into the limestone bed	\$ 2/yd <sup>3</sup>	3
Limestone Unit Cost	Cost of limestone	\$ 22/ton	3
Monthly Frequency	Number of samples collected per month	2/month	33, 34, 35
Purity	Purity of limestone	85 %	2
Removal Cost	Cost of removing sludge	\$ 0.06/gal	31
Sample Cost	Cost of laboratory analysis for one sample for all analytical tests	\$ 27.00/sample	34
Sampling Points	Number of sampling points in treatment system	3	33
Slope	Slope of the sides of the limestone bed	0.5	5, 7, 8, 9, 11, 12, 13, 14, 15
Spur Coupler Unit Cost	Unit cost of coupler for the spur pipe segments	\$ 3/coupler	22
Spur Spacing	Spacing between spur segments	10 ft	21, 22, 23, 24
Spur Unit Cost	Unit cost of spur pipe	\$ 7/ft	21
Synthetic Liner Unit Cost	Unit cost of synthetic liner	\$ 5.50/yd <sup>2</sup>	18
Thickness	Clay liner thickness	0.5 ft	17

**Table A-1. *AMDTreat*<sup>®</sup> v.4.1 Default Values for the Limestone Bed Cost Module**

<b>Variable</b>	<b>Variable Description</b>	<b><i>AMDTreat</i><sup>®</sup> v.4.1 Default Value</b>	<b>Equation Reference</b>
Travel Time	Time expected for worker to travel from the office to the site	1 hr	34, 37
Trunk Coupler Unit Cost	Unit cost of coupler for the trunk pipe segments	\$ 6.6/coupler	20
Trunk Pipe Unit Cost	Unit cost of trunk pipe	\$ 15/ft	19

Source: *AMDTreat*<sup>®</sup> v.4.1.

**Appendix E**

**ACID MINE DRAINAGE TREATMENT COST MODULE RESULTS**

Table E-1. Cost Summary: Chemical Precipitation Using Caustic Soda

Table E-2. Cost Summary: Chemical Precipitation Using Hydrated Lime

Table E-3. Cost Summary: Limestone Bed with Clay Liner

Table E-4. Cost Summary: Limestone Bed with Synthetic Liner

Table E-1. Cost Summary: Chemical Precipitation Using Caustic Soda

Flow (gpm)	Net Delta Capital Cost (\$)	Net Delta Annual Cost (\$/yr)	Net Delta Annualized Cost to Treat to Manganese Limit (\$/yr)
<b>Net Alkaline, Low Metals</b>			
10	0	6,331	6,331
250	16,000	158,927	160,528
500	30,000	317,774	320,776
1,000	60,000	635,548	641,552
1,500	90,000	953,322	962,329
<b>Net Alkaline, High Metals</b>			
10	4,000	36,120	36,520
250	86,000	902,431	911,038
500	170,000	1,804,782	1,821,795
1,000	340,000	3,609,563	3,643,590
1,500	510,000	5,414,345	5,465,385
<b>Net Acidic, Low Metals</b>			
10	0	7,083	7,083
250	18,000	177,789	179,590
500	34,000	355,498	358,901
1,000	66,000	710,916	717,521
1,500	102,000	1,066,494	1,076,702
<b>Net Acidic, High Metals</b>			
10	4,000	36,871	37,271
250	86,000	921,213	929,820
500	174,000	1,842,506	1,859,920
1,000	348,000	3,685,012	3,719,839
1,500	522,000	5,527,518	5,579,759



Table E-2. Cost Summary: Chemical Precipitation Using Hydrated Lime

Flow (gpm)	Net Delta Capital Cost (\$)	Net Delta Annual Cost (\$/yr)	Net Delta Annualized Cost to Treat to Manganese Limit (\$/yr)
<b>Net Alkaline, Low Metals</b>			
10	0	720	720
250	0	19,668	19,668
500	0	37,682	37,682
1,000	2,000	73,784	73,984
1,500	7,000	110,000	110,701
<b>Net Alkaline, High Metals</b>			
10	0	4,517	4,517
250	7,000	113,216	113,916
500	37,000	227,352	231,055
1,000	70,000	454,544	461,549
1,500	130,000	682,816	695,826
<b>Net Acidic, Low Metals</b>			
10	0	783	783
250	0	19,566	19,566
500	0	39,132	39,132
1,000	2,000	78,344	78,544
1,500	7,000	117,676	118,377
<b>Net Acidic, High Metals</b>			
10	0	4,580	4,580
250	7,000	114,786	115,486
500	35,000	230,411	233,914
1,000	70,000	460,823	467,828
1,500	105,000	691,234	701,742

Table E-3. Cost Summary: Limestone Bed with Clay Liner

Flow (gpm)	Net Delta Capital Cost (\$)	Net Delta Annual Cost (\$/yr)	Net Delta Annualized Cost to Treat to Manganese Limit (\$/yr)
<b>Net Alkaline, Low Metals</b>			
10	17,558	1,613	3,370
250	400,333	37,469	77,534
500	791,165	74,522	153,701
1,000	1,572,230	148,457	305,803
1,500	2,359,613	222,294	458,441
<b>Net Alkaline, High Metals</b>			
10	91,350	8,747	17,889
250	2,225,898	212,271	435,036
500	4,456,193	423,605	869,575
1,000	8,885,635	845,885	1,735,148
1,500	13,287,754	1,267,947	2,597,768
<b>Net Acidic, Low Metals</b>			
10	18,395	1,784	3,625
250	447,655	41,774	86,575
500	879,742	83,136	171,179
1,000	1,755,110	165,688	341,337
1,500	2,631,961	248,145	511,548
<b>Net Acidic, High Metals</b>			
10	91,778	8,919	18,104
250	2,268,900	216,582	443,651
500	4,524,014	432,227	884,984
1,000	9,042,029	863,129	1,768,043
1,500	13,566,643	1,293,812	2,651,544

Table E-4. Cost Summary: Limestone Bed with Synthetic Liner

Flow (gpm)	Net Delta Capital Cost (\$)	Net Delta Annual Cost (\$/yr)	Net Delta Annualized Cost to Treat to Manganese Limit (\$/yr)
<b>Net Alkaline, Low Metals</b>			
10	20,111	1,613	3,625
250	442,581	37,469	81,762
500	872,508	74,522	161,842
1,000	1,730,455	148,457	321,638
1,500	2,593,988	222,294	481,897
<b>Net Alkaline, High Metals</b>			
10	102,129	8,747	18,968
250	2,446,825	212,271	457,146
500	4,890,942	423,605	913,084
1,000	9,745,084	845,885	1,821,160
1,500	14,570,249	1,267,947	2,726,118
<b>Net Acidic, Low Metals</b>			
10	21,113	1,784	3,897
250	494,243	41,774	91,237
500	969,795	83,136	180,191
1,000	1,930,796	165,688	358,920
1,500	2,892,554	248,145	537,628
<b>Net Acidic, High Metals</b>			
10	102,731	8,919	19,201
250	2,494,212	216,582	466,199
500	4,967,535	432,227	929,371
1,000	9,919,027	863,129	1,855,812
1,500	14,875,465	1,293,812	2,782,529

**Appendix F**

**ANNUAL AVERAGE MEASUREMENT VALUES AND ANNUAL AVERAGE FLOW RATES IN *WVDMR* BY POLLUTANT AND AMD OUTFALL**

Table F-1 Quantity Measurement Values in *WVDMR* for AMD Outfalls (Monthly Data)

Table F-2 Annual Average Flow Rates in *WVDMR* for AMD Outfalls

Table F-3 Annual Average Concentrations (mg/L) in *WVDMR* for AMD Outfalls

Table F-4 Revised Pollutant Concentrations for Outfalls with Monthly Loadings Exceeding 10,000 Lbs/month.

**Table F-1. Quantity Measurement Values in WVDMR for AMD Outfalls (Monthly Data)**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Sample Date</b>	<b>Sampler <sup>a</sup></b>	<b>Pollutant</b>	<b>Average Quantity (lb/day)</b>	<b>Average Loading Quantity (lb/month) <sup>b</sup></b>	<b>Maximum Quantity (lb/day)</b>	<b>Maximum Loading Quantity (lb/month) <sup>b</sup></b>
WV0067709	012	30-Sep-04	LAB	Iron, Total (As Fe)	9.7954	293.862	13.1402	394.206
WV0067709	012	31-May-04	LAB	Iron, Total (As Fe)	8.13	243.9	10.78	323.4
WV0067709	012	31-Aug-04	LAB	Iron, Total (As Fe)	7.8863	236.589	8.2104	246.312
WV0067709	012	31-Oct-04	LAB	Iron, Total (As Fe)	7.69	230.7	9.79	293.7
WV0067709	012	30-Jun-04	LAB	Iron, Total (As Fe)	6.3	189	9.6	288
WV0067709	012	31-Jul-04	LAB	Iron, Total (As Fe)	3.3091	99.273	4.2819	128.457
WV0098167	003	29-Feb-04	LAB	Iron, Total (As Fe)	8.4	252	8.4	252
WV0098167	003	31-Jan-04	LAB	Iron, Total (As Fe)	6.48	194.4	6.48	194.4
WV0098167	003	30-Apr-04	LAB	Iron, Total (As Fe)	5.15	154.5	6.4	192
WV0098167	003	31-Mar-04	LAB	Iron, Total (As Fe)	4.1	123	7.2	216
WV0098167	003	31-Oct-03	LAB	Iron, Total (As Fe)	2.48	74.4	3.96	118.8
WV0098167	003	30-Sep-03	LAB	Iron, Total (As Fe)	2.21	66.3	3.63	108.9
WV0098167	003	30-Apr-03	LAB	Iron, Total (As Fe)	2.17	65.1	3.8	114
WV0098167	003	30-Nov-03	LAB	Iron, Total (As Fe)	1.36	40.8	2.01	60.3
WV0098167	003	31-Jan-05	LAB	Iron, Total (As Fe)	0.893	26.79	1.644	49.32
WV0098167	003	31-Oct-04	LAB	Iron, Total (As Fe)	0.67	20.1	0.94	28.2
WV0098167	003	31-Mar-05	LAB	Iron, Total (As Fe)	0.426	12.78	0.426	12.78
WV0098167	003	31-Aug-03	LAB	Iron, Total (As Fe)	0.358	10.74	0.637	19.11
WV0098167	003	31-May-04	LAB	Iron, Total (As Fe)	0.285	8.55	0.432	12.96
WV0098167	003	31-Jul-04	LAB	Iron, Total (As Fe)	0.28	8.4	0.3	9
WV0098167	003	31-Dec-03	LAB	Iron, Total (As Fe)	0.28	8.4	0.28	8.4
WV0098167	003	28-Feb-05	LAB	Iron, Total (As Fe)	0.232	6.96	0.307	9.21
WV0098167	003	31-Jul-03	LAB	Iron, Total (As Fe)	0.225	6.75	0.278	8.34
WV0098167	003	31-Dec-04	LAB	Iron, Total (As Fe)	0.17	5.1	0.24	7.2
WV0098167	003	30-Jun-04	LAB	Iron, Total (As Fe)	0.138	4.14	0.201	6.03
WV0098167	003	30-Nov-04	LAB	Iron, Total (As Fe)	0.11	3.3	0.222	6.66
WV0098167	003	30-Sep-04	LAB	Iron, Total (As Fe)	0.017	0.51	0.19	5.7
WV0098167	003	31-May-03	LAB	Iron, Total (As Fe)			1.84	55.2
WV1003500	001	29-Feb-04	LAB	Iron, Total (As Fe)	3.3797	101.391	3.3797	101.391
WV1003500	001	31-Dec-03	LAB	Iron, Total (As Fe)	1.57	47.1	1.57	47.1
WV1003500	001	31-May-03	LAB	Iron, Total (As Fe)	1.281952	38.45856	1.281952	38.45856
WV1003500	001	31-Mar-04	LAB	Iron, Total (As Fe)	1.104	33.12	1.104	33.12
WV1003500	001	31-Jan-04	LAB	Iron, Total (As Fe)	0.8604	25.812	0.8604	25.812
WV1003500	001	30-Apr-04	LAB	Iron, Total (As Fe)	0.4812	14.436	0.4812	14.436

**Table F-1. Quantity Measurement Values in WVDMR for AMD Outfalls (Monthly Data)**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Sample Date</b>	<b>Sampler <sup>a</sup></b>	<b>Pollutant</b>	<b>Average Quantity (lb/day)</b>	<b>Average Loading Quantity (lb/month) <sup>b</sup></b>	<b>Maximum Quantity (lb/day)</b>	<b>Maximum Loading Quantity (lb/month) <sup>b</sup></b>
WV1003500	001	30-Sep-03	LAB	Iron, Total (As Fe)	0.42	12.6	0.42	12.6
WV1003500	001	30-Apr-03	LAB	Iron, Total (As Fe)	0.369963	11.09889	0.369963	11.09889
WV1003500	001	31-May-04	LAB	Iron, Total (As Fe)	0.2473	7.419	0.2473	7.419
WV1003500	001	30-Sep-04	LAB	Iron, Total (As Fe)	0.2425	7.275	0.2425	7.275
WV1003500	001	30-Jun-04	LAB	Iron, Total (As Fe)	0.1733	5.199	0.1733	5.199
WV1003500	001	30-Jun-03	LAB	Iron, Total (As Fe)	0.154872	4.64616	0.154872	4.64616
WV1003500	001	31-Aug-04	LAB	Iron, Total (As Fe)	0.1383	4.149	0.1383	4.149
WV1003500	001	31-Jul-04	LAB	Iron, Total (As Fe)	0.1094	3.282	0.1094	3.282
WV1003500	002	31-Jul-04	LAB	Iron, Total (As Fe)	0.138	4.14	0.138	4.14
WV1003500	002	31-Jan-04	LAB	Iron, Total (As Fe)	0.1348	4.044	0.1348	4.044
WV1003500	002	30-Sep-04	LAB	Iron, Total (As Fe)	0.1209	3.627	0.1209	3.627
WV1003500	002	29-Feb-04	LAB	Iron, Total (As Fe)	0.1065	3.195	0.1065	3.195
WV1003500	002	31-Mar-04	LAB	Iron, Total (As Fe)	0.094	2.82	0.094	2.82
WV1003500	002	30-Sep-03	LAB	Iron, Total (As Fe)	0.09	2.7	0.09	2.7
WV1003500	002	30-Apr-04	LAB	Iron, Total (As Fe)	0.0865	2.595	0.0865	2.595
WV1003500	002	30-Jun-04	LAB	Iron, Total (As Fe)	0.0653	1.959	0.0653	1.959
WV1003500	002	31-May-04	LAB	Iron, Total (As Fe)	0.0613	1.839	0.0613	1.839
WV1003500	002	31-Aug-04	LAB	Iron, Total (As Fe)	0.0452	1.356	0.0452	1.356
WV1003500	002	30-Jun-03	LAB	Iron, Total (As Fe)	0.04326	1.2978	0.04326	1.2978
WV1003500	002	31-May-03	LAB	Iron, Total (As Fe)	0.031904	0.95712	0.031904	0.95712
WV1003500	002	31-Dec-03	LAB	Iron, Total (As Fe)	0.03	0.9	0.03	0.9
WV1003500	002	30-Apr-03	LAB	Iron, Total (As Fe)	0.012028	0.36084	0.012028	0.36084
WV1003500	003	30-Jun-04	LAB	Iron, Total (As Fe)	0.498	14.94	0.498	14.94
WV1003500	003	31-Mar-04	LAB	Iron, Total (As Fe)	0.0249	0.747	0.0249	0.747
WV1003500	003	30-Sep-03	LAB	Iron, Total (As Fe)	0.02	0.6	0.02	0.6
WV1003500	003	31-May-04	LAB	Iron, Total (As Fe)	0.0174	0.522	0.0174	0.522
WV1003500	003	30-Apr-04	LAB	Iron, Total (As Fe)	0.0118	0.354	0.0118	0.354
WV1003500	003	31-Jul-04	LAB	Iron, Total (As Fe)	0.0066	0.198	0.0066	0.198
WV1003500	003	29-Feb-04	LAB	Iron, Total (As Fe)	0.005	0.15	0.005	0.15
WV1003500	003	30-Jun-03	LAB	Iron, Total (As Fe)	0.003581	0.10743	0.003581	0.10743
WV1003500	003	31-Dec-03	LAB	Iron, Total (As Fe)	0.003	0.09	0.003	0.09
WV1003500	003	31-May-03	LAB	Iron, Total (As Fe)	0.001676	0.05028	0.001676	0.05028
WV1007688	003	31-Dec-03	LAB	Iron, Total (As Fe)	0.1	3	0.1	3
WV1007688	003	30-Apr-04	LAB	Iron, Total (As Fe)	0.04	1.2	0.058	1.74

**Table F-1. Quantity Measurement Values in WVDMR for AMD Outfalls (Monthly Data)**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Sample Date</b>	<b>Sampler <sup>a</sup></b>	<b>Pollutant</b>	<b>Average Quantity (lb/day)</b>	<b>Average Loading Quantity (lb/month) <sup>b</sup></b>	<b>Maximum Quantity (lb/day)</b>	<b>Maximum Loading Quantity (lb/month) <sup>b</sup></b>
WV1007688	003	31-Mar-05	LAB	Iron, Total (As Fe)	0.03	0.9	0.03	0.9
WV1007688	003	31-Dec-04	LAB	Iron, Total (As Fe)	0.0221	0.663	0.221	6.63
WV1007688	003	31-Mar-04	LAB	Iron, Total (As Fe)	0.0214	0.642	0.0214	0.642
WV1007688	003	30-Jun-03	LAB	Iron, Total (As Fe)	0.017184	0.51552	0.017184	0.51552
WV1007688	003	30-Nov-04	LAB	Iron, Total (As Fe)	0.0128	0.384	0.0128	0.384
WV1007688	003	31-May-04	LAB	Iron, Total (As Fe)	0.0126	0.378	0.0126	0.378
WV1007688	003	30-Jun-04	LAB	Iron, Total (As Fe)	0.0101	0.303	0.0101	0.303
WV1007688	003	31-Oct-04	LAB	Iron, Total (As Fe)	0.0055	0.165	0.0055	0.165
WV1007688	003	30-Nov-03	LAB	Iron, Total (As Fe)	0.0049	0.147	0.0049	0.147
WV1007688	003	30-Sep-04	LAB	Iron, Total (As Fe)	0.0023	0.069	0.0023	0.069
WV1007688	003	30-Apr-03	LAB	Iron, Total (As Fe)	0.000144	0.00432	0.000144	0.00432
WV1011596	GW-6	30-Sep-03	LAB	Iron, Total (As Fe)	251.8339	7555.017	251.8339	7555.017
WV1011596	GW-6	31-Jul-03	LAB	Iron, Total (As Fe)	238.0675	7142.025	238.0675	7142.025
WV1011596	GW-6	30-Jun-03	LAB	Iron, Total (As Fe)	197.3216	5919.648	197.3216	5919.648
WV1011596	GW-6	30-Nov-03	LAB	Iron, Total (As Fe)	195.2	5856	195.2	5856
WV1011596	GW-6	31-May-03	LAB	Iron, Total (As Fe)	173.47	5204.1	173.47	5204.1
WV1011596	GW-6	31-Oct-03	LAB	Iron, Total (As Fe)	64.55	1936.5	64.55	1936.5
WV1011596	GW-6	31-Aug-03	LAB	Iron, Total (As Fe)	55.4455	1663.365	55.4455	1663.365
WV1011596	GW-6	30-Apr-03	LAB	Iron, Total (As Fe)	28.2123	846.369	28.2123	846.369
WV1011731	002	30-Nov-03	LAB	Iron, Total (As Fe)	1.465809	43.97427	2.884032	86.52096
WV1011731	002	31-May-03	LAB	Iron, Total (As Fe)	0.655	19.65	1.18	35.4
WV1011731	002	31-Dec-03	LAB	Iron, Total (As Fe)	0.6014	18.042	1.009411	30.28233
WV1011731	002	30-Apr-03	LAB	Iron, Total (As Fe)	0.54	16.2	1.04	31.2
WV1011731	002	31-Jul-03	LAB	Iron, Total (As Fe)	0.51059	15.3177	1.00941	30.2823
WV1011731	002	31-Mar-04	LAB	Iron, Total (As Fe)	0.3704	11.112	0.5287	15.861
WV1011731	002	30-Apr-04	LAB	Iron, Total (As Fe)	0.345963	10.37889	0.390786	11.72358
WV1011731	002	28-Feb-05	LAB	Iron, Total (As Fe)	0.27	8.1	0.44	13.2
WV1011731	002	31-Mar-05	LAB	Iron, Total (As Fe)	0.27	8.1	0.44	13.2
WV1011731	002	31-Aug-03	LAB	Iron, Total (As Fe)	0.15986	4.7958	0.47587	14.2761
WV1011731	002	31-Oct-03	LAB	Iron, Total (As Fe)	0.10071	3.0213	0.403764	12.11292
WV1011731	002	30-Nov-04	LAB	Iron, Total (As Fe)	0.093917	2.81751	0.177848	5.33544
WV1011731	002	30-Jun-03	LAB	Iron, Total (As Fe)	0.06	1.8	0.12	3.6
WV1011731	002	31-Dec-04	LAB	Iron, Total (As Fe)	0.021224	0.63672	0.034127	1.02381
WV1011731	002	31-Aug-04	LAB	Iron, Total (As Fe)	0.0031	0.093	0.0049	0.147

**Table F-1. Quantity Measurement Values in WVDMR for AMD Outfalls (Monthly Data)**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Sample Date</b>	<b>Sampler <sup>a</sup></b>	<b>Pollutant</b>	<b>Average Quantity (lb/day)</b>	<b>Average Loading Quantity (lb/month) <sup>b</sup></b>	<b>Maximum Quantity (lb/day)</b>	<b>Maximum Loading Quantity (lb/month) <sup>b</sup></b>
WV1014196	001	31-Dec-03	LAB	Iron, Total (As Fe)	7.73	231.9	8.11	243.3
WV1014196	001	31-Oct-03	LAB	Iron, Total (As Fe)	7.02	210.6	7.89	236.7
WV1014196	001	31-Jan-04	LAB	Iron, Total (As Fe)	6.58	197.4	6.58	197.4
WV1014196	001	30-Apr-04	LAB	Iron, Total (As Fe)	6.53	195.9	6.72	201.6
WV1014196	001	29-Feb-04	LAB	Iron, Total (As Fe)	5.88	176.4	6.94	208.2
WV1014196	001	30-Nov-03	LAB	Iron, Total (As Fe)	5.32	159.6	5.79	173.7
WV1014196	001	31-Mar-04	LAB	Iron, Total (As Fe)	4	120	4.42	132.6
WV1014196	001	31-May-04	LAB	Iron, Total (As Fe)	1.26	37.8	2.36	70.8
WV1014196	001	31-Mar-05	LAB	Iron, Total (As Fe)	0.97	29.1	1.33	39.9
WV1014196	001	31-Jan-05	LAB	Iron, Total (As Fe)	0.73	21.9	0.88	26.4
WV1014196	001	28-Feb-05	LAB	Iron, Total (As Fe)	0.63	18.9	0.93	27.9
WV1014196	001	31-Dec-04	LAB	Iron, Total (As Fe)	0.38	11.4	0.56	16.8
WV1014196	001	30-Sep-04	LAB	Iron, Total (As Fe)	0.13	3.9	0.15	4.5
WV1014196	001	30-Jun-04	LAB	Iron, Total (As Fe)	0.11	3.3	0.19	5.7
WV1014196	001	31-Aug-04	LAB	Iron, Total (As Fe)	0.08	2.4	0.12	3.6
WV1014196	001	30-Nov-04	LAB	Iron, Total (As Fe)	0.03	0.9	0.04	1.2
WV1014196	001	31-Oct-04	LAB	Iron, Total (As Fe)	0.01	0.3	0.02	0.6
WV0067709	012	30-Sep-04	LAB	Manganese, Total	1.7409	52.227	2.2911	68.733
WV0067709	012	31-May-04	LAB	Manganese, Total	1.7	51	2.18	65.4
WV0067709	012	31-Aug-04	LAB	Manganese, Total	1.6858	50.574	1.7563	52.689
WV0067709	012	31-Oct-04	LAB	Manganese, Total	1.26	37.8	1.54	46.2
WV0067709	012	30-Jun-04	LAB	Manganese, Total	1.25	37.5	1.92	57.6
WV0067709	012	31-Jul-04	LAB	Manganese, Total	0.8331	24.993	1.0359	31.077
WV0098167	003	29-Feb-04	LAB	Manganese, Total	35.6	1068	35.6	1068
WV0098167	003	31-Mar-04	LAB	Manganese, Total	18.6	558	42.34	1270.2
WV0098167	003	30-Apr-04	LAB	Manganese, Total	17.1	513	30.6	918
WV0098167	003	30-Jun-04	LAB	Manganese, Total	7.5	225	12.8	384
WV0098167	003	31-Oct-03	LAB	Manganese, Total	7.16	214.8	12.56	376.8
WV0098167	003	30-Sep-04	LAB	Manganese, Total	7.15	214.5	12.48	374.4
WV0098167	003	31-Jul-04	LAB	Manganese, Total	5.66	169.8	11.28	338.4
WV0098167	003	30-Nov-03	LAB	Manganese, Total	5.03	150.9	20.9	627
WV0098167	003	31-Dec-04	LAB	Manganese, Total	3.89	116.7	5.76	172.8
WV0098167	003	30-Sep-03	LAB	Manganese, Total	3.16	94.8	4.12	123.6
WV0098167	003	31-Jul-03	LAB	Manganese, Total	3.14	94.2	5.8	174



**Table F-1. Quantity Measurement Values in WVDMR for AMD Outfalls (Monthly Data)**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Sample Date</b>	<b>Sampler <sup>a</sup></b>	<b>Pollutant</b>	<b>Average Quantity (lb/day)</b>	<b>Average Loading Quantity (lb/month) <sup>b</sup></b>	<b>Maximum Quantity (lb/day)</b>	<b>Maximum Loading Quantity (lb/month) <sup>b</sup></b>
WV0098167	003	31-Jan-05	LAB	Manganese, Total	2.6	78	2.86	85.8
WV0098167	003	31-Jan-04	LAB	Manganese, Total	1.72	51.6	1.72	51.6
WV0098167	003	31-Mar-05	LAB	Manganese, Total	1.65	49.5	1.65	49.5
WV0098167	003	28-Feb-05	LAB	Manganese, Total	1.48	44.4	1.76	52.8
WV0098167	003	30-Apr-03	LAB	Manganese, Total	1.46	43.8	1.59	47.7
WV0098167	003	31-May-04	LAB	Manganese, Total	1.28	38.4	1.87	56.1
WV0098167	003	31-Aug-03	LAB	Manganese, Total	1.2	36	1.31	39.3
WV0098167	003	31-Dec-03	LAB	Manganese, Total	1.06	31.8	1.06	31.8
WV0098167	003	31-Oct-04	LAB	Manganese, Total	0.5	15	0.72	21.6
WV0098167	003	30-Nov-04	LAB	Manganese, Total	0.18	5.4	0.326	9.78
WV0098167	003	31-May-03	LAB	Manganese, Total			9.42	282.6
WV1003500	001	29-Feb-04	LAB	Manganese, Total	4.8728	146.184	4.8728	146.184
WV1003500	001	30-Sep-03	LAB	Manganese, Total	3.08	92.4	3.08	92.4
WV1003500	001	31-May-03	LAB	Manganese, Total	2.988097	89.64291	2.988097	89.64291
WV1003500	001	31-Dec-03	LAB	Manganese, Total	2.88	86.4	2.88	86.4
WV1003500	001	31-Jan-04	LAB	Manganese, Total	1.8261	54.783	1.8261	54.783
WV1003500	001	31-May-04	LAB	Manganese, Total	1.6668	50.004	1.6668	50.004
WV1003500	001	30-Jun-03	LAB	Manganese, Total	1.557377	46.72131	1.557377	46.72131
WV1003500	001	30-Apr-03	LAB	Manganese, Total	1.442434	43.27302	1.442434	43.27302
WV1003500	001	31-Mar-04	LAB	Manganese, Total	1.132	33.96	1.132	33.96
WV1003500	001	31-Aug-04	LAB	Manganese, Total	0.6943	20.829	0.6943	20.829
WV1003500	001	30-Apr-04	LAB	Manganese, Total	0.473	14.19	0.473	14.19
WV1003500	001	30-Sep-04	LAB	Manganese, Total	0.3067	9.201	0.3067	9.201
WV1003500	001	30-Jun-04	LAB	Manganese, Total	0.2125	6.375	0.2125	6.375
WV1003500	001	31-Jul-04	LAB	Manganese, Total	0.1067	3.201	0.1067	3.201
WV1003500	002	30-Jun-04	LAB	Manganese, Total	5.1144	153.432	5.1144	153.432
WV1003500	002	31-Jan-04	LAB	Manganese, Total	4.4414	133.242	4.4414	133.242
WV1003500	002	30-Sep-03	LAB	Manganese, Total	4.43	132.9	4.43	132.9
WV1003500	002	31-May-04	LAB	Manganese, Total	4.156	124.68	4.156	124.68
WV1003500	002	30-Apr-04	LAB	Manganese, Total	3.7399	112.197	3.7399	112.197
WV1003500	002	31-Mar-04	LAB	Manganese, Total	3.289	98.67	3.289	98.67
WV1003500	002	30-Jun-03	LAB	Manganese, Total	3.102136	93.06408	3.102136	93.06408
WV1003500	002	31-Dec-03	LAB	Manganese, Total	2.92	87.6	2.92	87.6
WV1003500	002	29-Feb-04	LAB	Manganese, Total	2.8744	86.232	2.8744	86.232

**Table F-1. Quantity Measurement Values in WVDMR for AMD Outfalls (Monthly Data)**

NPDES ID	Outfall Number	Sample Date	Sampler <sup>a</sup>	Pollutant	Average Quantity (lb/day)	Average Loading Quantity (lb/month) <sup>b</sup>	Maximum Quantity (lb/day)	Maximum Loading Quantity (lb/month) <sup>b</sup>
WV1003500	002	31-Jul-04	LAB	Manganese, Total	2.3644	70.932	2.3644	70.932
WV1003500	002	31-May-03	LAB	Manganese, Total	2.321285	69.63855	2.321285	69.63855
WV1003500	002	30-Sep-04	LAB	Manganese, Total	1.2954	38.862	1.2954	38.862
WV1003500	002	30-Apr-03	LAB	Manganese, Total	0.725213	21.75639	0.725213	21.75639
WV1003500	002	31-Aug-04	LAB	Manganese, Total	0.2905	8.715	0.2905	8.715
WV1003500	003	30-Jun-04	LAB	Manganese, Total	1.6521	49.563	1.6521	49.563
WV1003500	003	31-Mar-04	LAB	Manganese, Total	0.3621	10.863	0.3621	10.863
WV1003500	003	31-May-04	LAB	Manganese, Total	0.2896	8.688	0.2896	8.688
WV1003500	003	30-Apr-04	LAB	Manganese, Total	0.254	7.62	0.254	7.62
WV1003500	003	30-Sep-03	LAB	Manganese, Total	0.22	6.6	0.22	6.6
WV1003500	003	29-Feb-04	LAB	Manganese, Total	0.1676	5.028	0.1676	5.028
WV1003500	003	31-Dec-03	LAB	Manganese, Total	0.11	3.3	0.11	3.3
WV1003500	003	31-Jul-04	LAB	Manganese, Total	0.0695	2.085	0.0695	2.085
WV1003500	003	31-May-03	LAB	Manganese, Total	0.04362	1.3086	0.04362	1.3086
WV1003500	003	30-Jun-03	LAB	Manganese, Total	0.03641	1.0923	0.03641	1.0923
WV1007688	003	31-Mar-05	LAB	Manganese, Total	0.15	4.5	0.15	4.5
WV1007688	003	30-Apr-03	LAB	Manganese, Total	0.037636	1.12908	0.037636	1.12908
WV1007688	003	30-Apr-04	LAB	Manganese, Total	0.0316	0.948	0.0412	1.236
WV1007688	003	31-Dec-04	LAB	Manganese, Total	0.0239	0.717	0.0239	0.717
WV1007688	003	31-Mar-04	LAB	Manganese, Total	0.023	0.69	0.023	0.69
WV1007688	003	31-Dec-03	LAB	Manganese, Total	0.0166	0.498	0.0166	0.498
WV1007688	003	30-Jun-03	LAB	Manganese, Total	0.013819	0.41457	0.013819	0.41457
WV1007688	003	30-Nov-04	LAB	Manganese, Total	0.0107	0.321	0.0107	0.321
WV1007688	003	30-Jun-04	LAB	Manganese, Total	0.0105	0.315	0.0105	0.315
WV1007688	003	30-Nov-03	LAB	Manganese, Total	0.0083	0.249	0.0083	0.249
WV1007688	003	30-Sep-04	LAB	Manganese, Total	0.0027	0.081	0.0027	0.081
WV1007688	003	31-Oct-04	LAB	Manganese, Total	0.0022	0.066	0.0022	0.066
WV1007688	003	31-May-04	LAB	Manganese, Total	0.0006	0.018	0.0006	0.018
WV1011596	GW-6	30-Sep-03	LAB	Manganese, Total	23.7854	713.562	23.7854	713.562
WV1011596	GW-6	31-Jul-03	LAB	Manganese, Total	23.232	696.96	23.232	696.96
WV1011596	GW-6	30-Nov-03	LAB	Manganese, Total	21.62	648.6	51.62	1548.6
WV1011596	GW-6	30-Jun-03	LAB	Manganese, Total	19.002	570.06	19.002	570.06
WV1011596	GW-6	31-May-03	LAB	Manganese, Total	15.8137	474.411	15.8137	474.411
WV1011596	GW-6	31-Oct-03	LAB	Manganese, Total	10.57	317.1	10.57	317.1

**Table F-1. Quantity Measurement Values in WVDMR for AMD Outfalls (Monthly Data)**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Sample Date</b>	<b>Sampler <sup>a</sup></b>	<b>Pollutant</b>	<b>Average Quantity (lb/day)</b>	<b>Average Loading Quantity (lb/month) <sup>b</sup></b>	<b>Maximum Quantity (lb/day)</b>	<b>Maximum Loading Quantity (lb/month) <sup>b</sup></b>
WV1011596	GW-6	31-Aug-03	LAB	Manganese, Total	5.8594	175.782	5.8594	175.782
WV1011596	GW-6	30-Apr-03	LAB	Manganese, Total	2.3858	71.574	2.3858	71.574
WV1014196	001	31-Oct-03	LAB	Manganese, Total	5.28	158.4	6.3	189
WV1014196	001	31-Jan-04	LAB	Manganese, Total	5.23	156.9	5.23	156.9
WV1014196	001	30-Apr-04	LAB	Manganese, Total	4.98	149.4	5.14	154.2
WV1014196	001	31-Dec-03	LAB	Manganese, Total	4.96	148.8	5.02	150.6
WV1014196	001	30-Nov-03	LAB	Manganese, Total	4.32	129.6	4.73	141.9
WV1014196	001	29-Feb-04	LAB	Manganese, Total	4.25	127.5	4.92	147.6
WV1014196	001	31-Mar-04	LAB	Manganese, Total	3.24	97.2	3.66	109.8
WV1014196	001	31-May-04	LAB	Manganese, Total	1.02	30.6	2.02	60.6
WV1014196	001	31-Mar-05	LAB	Manganese, Total	0.85	25.5	1.32	39.6
WV1014196	001	28-Feb-05	LAB	Manganese, Total	0.72	21.6	0.88	26.4
WV1014196	001	31-Dec-04	LAB	Manganese, Total	0.59	17.7	0.72	21.6
WV1014196	001	30-Sep-04	LAB	Manganese, Total	0.58	17.4	0.66	19.8
WV1014196	001	31-Aug-04	LAB	Manganese, Total	0.51	15.3	0.64	19.2
WV1014196	001	30-Nov-04	LAB	Manganese, Total	0.35	10.5	0.36	10.8
WV1014196	001	31-Jan-05	LAB	Manganese, Total	0.31	9.3	0.32	9.6
WV1014196	001	31-Oct-04	LAB	Manganese, Total	0.29	8.7	0.31	9.3
WV1018931	001	31-Dec-04	LAB	Manganese, Total	22.27	668.1	22.27	668.1
WV1018931	001	30-Jun-03	LAB	Manganese, Total	9.79	293.7	18.05	541.5
WV1018931	001	31-Jan-05	LAB	Manganese, Total	7.98	239.4	7.98	239.4
WV1018931	001	30-Sep-04	LAB	Manganese, Total	7.48	224.4	7.48	224.4
WV1018931	001	31-Oct-04	LAB	Manganese, Total	6.12	183.6	6.12	183.6
WV1018931	001	31-Mar-05	LAB	Manganese, Total	4.3	129	4.3	129
WV1018931	001	30-Nov-04	LAB	Manganese, Total	4.17	125.1	4.17	125.1
WV1018931	001	28-Feb-05	LAB	Manganese, Total	3.58	107.4	3.58	107.4
WV1018931	001	31-May-03	LAB	Manganese, Total	3.55	106.5	5.55	166.5
WV1018931	001	31-Jul-04	LAB	Manganese, Total	3.35	100.5	3.35	100.5
WV1018931	001	30-Jun-04	LAB	Manganese, Total	3.11	93.3	3.19	95.7
WV1018931	001	29-Feb-04	LAB	Manganese, Total	1.73	51.9	2.45	73.5
WV1018931	001	30-Apr-04	LAB	Manganese, Total	1.68	50.4	3.06	91.8
WV1018931	001	31-Aug-04	LAB	Manganese, Total	1.68	50.4	1.68	50.4
WV1018931	001	30-Apr-03	LAB	Manganese, Total	1.36	40.8	2.3	69
WV1018931	001	30-Nov-03	LAB	Manganese, Total	1.34	40.2	1.49	44.7

**Table F-1. Quantity Measurement Values in WVDMR for AMD Outfalls (Monthly Data)**

NPDES ID	Outfall Number	Sample Date	Sampler <sup>a</sup>	Pollutant	Average Quantity (lb/day)	Average Loading Quantity (lb/month) <sup>b</sup>	Maximum Quantity (lb/day)	Maximum Loading Quantity (lb/month) <sup>b</sup>
WV1018931	001	31-Jan-04	LAB	Manganese, Total	1.26	37.8	1.35	40.5
WV1018931	001	31-Oct-03	LAB	Manganese, Total	1.2	36	1.36	40.8
WV1018931	001	31-Mar-04	LAB	Manganese, Total	1.17	35.1	1.27	38.1
WV1018931	001	31-Dec-03	LAB	Manganese, Total	0.99	29.7	1.17	35.1
WV1018931	001	30-Sep-03	LAB	Manganese, Total	0.42	12.6	0.84	25.2
WV1018931	001	31-Aug-03	LAB	Manganese, Total	0.26	7.8	0.5	15
WV1018931	001	31-May-04	LAB	Manganese, Total	0.24	7.2	0.45	13.5
WV1018931	002	30-Jun-03	LAB	Manganese, Total	10.33	309.9	17.78	533.4
WV1018931	002	30-Apr-03	LAB	Manganese, Total	2.67	80.1	5.34	160.2
WV1018931	002	31-May-03	LAB	Manganese, Total	2.4	72	2.65	79.5
WV1018931	002	30-Jun-04	LAB	Manganese, Total	2.22	66.6	2.48	74.4
WV1018931	002	31-May-04	LAB	Manganese, Total	1.89	56.7	3.01	90.3
WV1018931	002	31-Jan-04	LAB	Manganese, Total	0.79	23.7	1.17	35.1
WV1018931	002	29-Feb-04	LAB	Manganese, Total	0.76	22.8	0.89	26.7
WV1018931	002	30-Apr-04	LAB	Manganese, Total	0.72	21.6	1.15	34.5
WV1018931	002	31-Dec-04	LAB	Manganese, Total	0.7	21	0.14	4.2
WV1018931	002	31-Mar-04	LAB	Manganese, Total	0.62	18.6	1.22	36.6
WV1018931	002	30-Nov-03	LAB	Manganese, Total	0.52	15.6	0.92	27.6
WV1018931	002	31-Dec-03	LAB	Manganese, Total	0.49	14.7	0.66	19.8
WV1018931	002	31-Jul-04	LAB	Manganese, Total	0.43	12.9	0.08	2.4
WV1018931	002	30-Nov-04	LAB	Manganese, Total	0.31	9.3	0.14	4.2
WV1018931	002	31-Aug-03	LAB	Manganese, Total	0.3	9	0.31	9.3
WV1018931	002	31-Oct-04	LAB	Manganese, Total	0.28	8.4	0.05	1.5
WV1018931	002	28-Feb-05	LAB	Manganese, Total	0.23	6.9	0.34	10.2
WV1018931	002	31-Aug-04	LAB	Manganese, Total	0.18	5.4	0.03	0.9
WV1018931	002	31-Jan-05	LAB	Manganese, Total	0.17	5.1	0.44	13.2
WV1018931	002	31-Mar-05	LAB	Manganese, Total	0.14	4.2	0.34	10.2
WV1018931	002	30-Sep-04	LAB	Manganese, Total	0.04	1.2	0.08	2.4
WV1018931	002	31-Oct-03	LAB	Manganese, Total	0.01	0.3	0.03	0.9
WV1018931	002	30-Sep-03	LAB	Manganese, Total	0.01	0.3	0.01	0.3
WV1018931	003	30-Jun-03	LAB	Manganese, Total	43.13	1293.9	74.79	2243.7
WV1018931	003	31-Dec-04	LAB	Manganese, Total	16.81	504.3	17.69	530.7
WV1018931	003	31-Mar-05	LAB	Manganese, Total	14.96	448.8	15.85	475.5
WV1018931	003	31-Jan-05	LAB	Manganese, Total	12.44	373.2	14.66	439.8

**Table F-1. Quantity Measurement Values in WVDMR for AMD Outfalls (Monthly Data)**

NPDES ID	Outfall Number	Sample Date	Sampler <sup>a</sup>	Pollutant	Average Quantity (lb/day)	Average Loading Quantity (lb/month) <sup>b</sup>	Maximum Quantity (lb/day)	Maximum Loading Quantity (lb/month) <sup>b</sup>
WV1018931	003	31-Jul-04	LAB	Manganese, Total	9.11	273.3	12.23	366.9
WV1018931	003	31-Oct-04	LAB	Manganese, Total	7.41	222.3	8.93	267.9
WV1018931	003	30-Apr-04	LAB	Manganese, Total	7.27	218.1	11.63	348.9
WV1018931	003	31-Mar-04	LAB	Manganese, Total	6.54	196.2	7.13	213.9
WV1018931	003	31-Aug-04	LAB	Manganese, Total	6.28	188.4	8.31	249.3
WV1018931	003	31-May-03	LAB	Manganese, Total	5.86	175.8	11.65	349.5
WV1018931	003	30-Nov-04	LAB	Manganese, Total	4.55	136.5	5.48	164.4
WV1018931	003	29-Feb-04	LAB	Manganese, Total	3.89	116.7	5.02	150.6
WV1018931	003	30-Sep-03	LAB	Manganese, Total	3.85	115.5	4.94	148.2
WV1018931	003	30-Sep-04	LAB	Manganese, Total	2.88	86.4	5.75	172.5
WV1018931	003	30-Jun-04	LAB	Manganese, Total	2.64	79.2	2.81	84.3
WV1018931	003	31-Jan-04	LAB	Manganese, Total	2.57	77.1	3.29	98.7
WV1018931	003	31-Dec-03	LAB	Manganese, Total	2.5	75	3.77	113.1
WV1018931	003	31-May-04	LAB	Manganese, Total	1.09	32.7	2.15	64.5
WV1018931	003	30-Apr-03	LAB	Manganese, Total	0.9	27	1.7	51
WV1018931	003	31-Aug-03	LAB	Manganese, Total	0.76	22.8	1.17	35.1
WV1018931	003	31-Oct-03	LAB	Manganese, Total	0.51	15.3	0.87	26.1
WV1018931	003	30-Nov-03	LAB	Manganese, Total	0.51	15.3	0.71	21.3
WV0092142	DSS	30-Nov-03	LAB	Total Suspended Solids			0	0
WV0092142	UNS	30-Nov-03	LAB	Total Suspended Solids			0	0
WV0092142	USS	30-Nov-03	LAB	Total Suspended Solids			0	0
WV0099015	002	31-Jul-04	LAB	Total Suspended Solids	7.2	216	7.2	216
WV0099015	002	31-Jul-03	LAB	Total Suspended Solids	5.38	161.4	5.38	161.4
WV0099015	002	31-Jan-05	LAB	Total Suspended Solids	5.04	151.2	5.04	151.2
WV0099015	002	31-Mar-04	LAB	Total Suspended Solids	4.04	121.2	4.04	121.2
WV0099015	002	30-Nov-04	LAB	Total Suspended Solids	3.6	108	3.6	108
WV0099015	002	30-Sep-03	LAB	Total Suspended Solids	3.1	93	3.1	93
WV0099015	002	30-Apr-04	LAB	Total Suspended Solids	3.03	90.9	3.03	90.9
WV0099015	002	31-Dec-03	LAB	Total Suspended Solids	2.52	75.6	2.52	75.6
WV0099015	002	31-Jan-04	LAB	Total Suspended Solids	2.52	75.6	2.52	75.6
WV0099015	002	31-May-04	LAB	Total Suspended Solids	2.02	60.6	2.02	60.6
WV0099015	002	31-Aug-04	LAB	Total Suspended Solids	1.6	48	1.6	48
WV0099015	002	30-Nov-03	LAB	Total Suspended Solids	0	0	0	0
WV0099015	002	31-Oct-03	LAB	Total Suspended Solids			1.51	45.3

**Table F-1. Quantity Measurement Values in WVDNR for AMD Outfalls (Monthly Data)**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Sample Date</b>	<b>Sampler <sup>a</sup></b>	<b>Pollutant</b>	<b>Average Quantity (lb/day)</b>	<b>Average Loading Quantity (lb/month) <sup>b</sup></b>	<b>Maximum Quantity (lb/day)</b>	<b>Maximum Loading Quantity (lb/month) <sup>b</sup></b>
WV0099015	002	30-Jun-04	LAB	Total Suspended Solids			0	0
WV1010026	001	31-Dec-03	LAB	Total Suspended Solids			0.4463	13.389

Source: WVDNR

(a) "LAB" indicates that the sample was analyzed by the facility rather than during an inspection.

(b) Average quantity or maximum quantity multiplied by 30 days per month.

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0000213	003	2003 to 2004	LAB	203.75	210	GPM
WV0000213	003	2004 to 2005	LAB	133.3333333	133.3333333	GPM
WV0000213	012	2003 to 2004	LAB	375	387.5	GPM
WV0000213	012	2004 to 2005	LAB	233.3333333	233.3333333	GPM
WV0000418	002	2003 to 2004	LAB	312.9166667	358.3333333	GPM
WV0000418	002	2004 to 2005	LAB	201.9616667	222.9166667	GPM
WV0000418	005	2003 to 2004	LAB	22.5	45	GPM
WV0000418	005	2004 to 2005	LAB	6	12	GPM
WV0000418	015	2003 to 2004	LAB	36.42857143	55.71428571	GPM
WV0000418	015	2004 to 2005	LAB	35.07916667	49	GPM
WV0000434	001	2003 to 2004	LAB	10.72727273	13	GPM
WV0000434	001	2004 to 2005	LAB	11.25	11.83333333	GPM
WV0000434	002	2003 to 2004	LAB	54.81818182	62.09090909	GPM
WV0000434	002	2004 to 2005	LAB	77.91666667	86.66666667	GPM
WV0000434	004	2004 to 2005	LAB	12	12	GPM
WV0001104	004	2003 to 2004	LAB	12.02272727	16.84090909	GPM
WV0001104	004	2004 to 2005	LAB	2.8375	3.975	GPM
WV0001104	005	2004 to 2005	LAB	2	2	GPM
WV0001104	006	2003 to 2004	LAB	23.89583333	43.5	GPM
WV0001104	006	2004 to 2005	LAB	18.45	24.2	GPM
WV0001104	007	2003 to 2004	LAB	10.5	12.66666667	GPM
WV0001104	007	2004 to 2005	LAB	13.9375	17.6	GPM
WV0001104	009	2003 to 2004	LAB	9.1875	15.25	GPM
WV0001104	009	2004 to 2005	LAB	4.738636364	5.318181818	GPM
WV0001104	011	2003 to 2004	LAB	1711.111111	1733.333333	GPM
WV0001104	011	2004 to 2005	LAB	1396.5625	1537.5	GPM
WV0001104	013	2003 to 2004	LAB	18.41	18.71	GPM
WV0001104	013	2004 to 2005	LAB	4	5	GPM
WV0001104	014	2003 to 2004	LAB	16.06818182	25.59090909	GPM
WV0001104	014	2004 to 2005	LAB	15.72727273	20.63636364	GPM
WV0001104	015	2003 to 2004	LAB	1.708333333	2.020833333	GPM
WV0001104	015	2004 to 2005	LAB	3.975	4.775	GPM
WV0001104	016	2003 to 2004	LAB	3	3	GPM
WV0001104	017	2003 to 2004	LAB	5	5	GPM
WV0001104	017	2004 to 2005	LAB	1	1	GPM
WV0001104	020	2003 to 2004	LAB	2.84375	4.645833333	GPM
WV0001104	020	2004 to 2005	LAB	2.161363636	2.863636364	GPM
WV0001104	021	2003 to 2004	LAB	1.572916667	2.1875	GPM
WV0001104	021	2004 to 2005	LAB	2.727272727	3.681818182	GPM
WV0001104	022	2003 to 2004	LAB	55.33333333	60.58333333	GPM
WV0001104	022	2004 to 2005	LAB	160.7727273	185	GPM
WV0001104	023	2003 to 2004	LAB	78.25	90.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0001503	001	2003 to 2004	LAB	102.9166667	114.1666667	GPM
WV0001503	001	2004 to 2005	LAB	125.5222222	239.3333333	GPM
WV0001503	002	2003 to 2004	LAB	17.04166667	21.66666667	GPM
WV0001503	002	2004 to 2005	LAB	20.55	34.25	GPM
WV0001503	003	2003 to 2004	LAB	13.5	19.58333333	GPM
WV0001503	003	2004 to 2005	LAB	12.625	19.625	GPM
WV0001503	005	2003 to 2004	LAB	10.3125	12.5	GPM
WV0001503	005	2004 to 2005	LAB	12.964	23.688	GPM
WV0001503	006	2003 to 2004	LAB	0	0	GPM
WV0001503	006	2004 to 2005	LAB	16.59090909	22.72727273	GPM
WV0001503	010	2004 to 2005	LAB	14.41875	20.875	GPM
WV0001848	005	2003 to 2004	LAB	88.55	97.5	GPM
WV0001848	005	2004 to 2005	LAB	111.3888889	118.4444444	GPM
WV0001848	012	2003 to 2004	LAB	15.02083333	21.33333333	GPM
WV0001848	012	2004 to 2005	LAB	67.875	89.5	GPM
WV0001848	013	2003 to 2004	LAB	2	2	GPM
WV0001848	013	2004 to 2005	LAB	45	45	GPM
WV0001848	014	2003 to 2004	LAB	60.08333333	82.41666667	GPM
WV0001848	014	2004 to 2005	LAB	100.6458333	135	GPM
WV0001848	027	2003 to 2004	LAB	2.108333333	3.770833333	GPM
WV0001848	027	2004 to 2005	LAB	3.7875	7.15	GPM
WV0001864	002	2003 to 2004	LAB	58.27777778	85.22222222	GPM
WV0001864	002	2004 to 2005	LAB	18.70833333	29.66666667	GPM
WV0001864	007	2003 to 2004	LAB	44.58333333	58.75	GPM
WV0001864	007	2004 to 2005	LAB	9.133333333	12.88333333	GPM
WV0001872	001	2003 to 2004	LAB	5.5625	6.4375	GPM
WV0001872	001	2004 to 2005	LAB	2.525	2.8	GPM
WV0001872	002	2003 to 2004	LAB	1661.772727	1721.636364	GPM
WV0001872	002	2004 to 2005	LAB	1107.352083	1734.083333	GPM
WV0001872	004	2003 to 2004	LAB	0.25	0.25	GPM
WV0001872	005	2003 to 2004	LAB	0.25	0.25	GPM
WV0001872	006	2003 to 2004	LAB	1	1	GPM
WV0001881	001	2003 to 2004	LAB	80	90	GPM
WV0001881	006	2003 to 2004	LAB	40.78571429	50.71428571	GPM
WV0001881	006	2004 to 2005	LAB	8.5	17	GPM
WV0002569	001	2003 to 2004	LAB	10.42857143	14.14285714	GPM
WV0002569	001	2004 to 2005	LAB	4.25	4.25	GPM
WV0002569	002	2003 to 2004	LAB	238.5833333	281.25	GPM
WV0002569	002	2004 to 2005	LAB	199	218.75	GPM
WV0002569	003	2003 to 2004	LAB	6.333333333	10.66666667	GPM
WV0002569	003	2004 to 2005	LAB	10	10	GPM
WV0002569	005	2003 to 2004	LAB	7.857142857	8.571428571	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0002569	005	2004 to 2005	LAB	2.3	2.6	GPM
WV0002569	008	2003 to 2004	LAB	182.5	217.5	GPM
WV0002569	008	2004 to 2005	LAB	187.5555556	222.2222222	GPM
WV0002569	010	2003 to 2004	LAB	56.08333333	67.08333333	GPM
WV0002569	010	2004 to 2005	LAB	38.20833333	41.875	GPM
WV0002747	005	2003 to 2004	LAB	75.41666667	75.41666667	GPM
WV0002747	005	2004 to 2005	LAB	38	38	GPM
WV0002976	008	2003 to 2004	LAB	53.09090909	53.09090909	GPM
WV0002976	008	2004 to 2005	LAB	89.63636364	89.63636364	GPM
WV0002976	014	2003 to 2004	LAB	8.636363636	8.636363636	GPM
WV0002976	014	2004 to 2005	LAB	29.625	29.625	GPM
WV0002984	006	2004 to 2005	LAB	120.8333333	136.1111111	GPM
WV0002984	010	2003 to 2004	LAB	8.375	8.75	GPM
WV0002984	010	2004 to 2005	LAB	8	12.71428571	GPM
WV0002984	011	2003 to 2004	LAB	1	1	GPM
WV0002984	011	2004 to 2005	LAB	1	1	GPM
WV0002984	015	2003 to 2004	LAB	351.5	438.4545455	GPM
WV0002984	015	2004 to 2005	LAB	404.4090909	455.9090909	GPM
WV0003018	003	2003 to 2004	LAB	27.5	28	GPM
WV0003018	003	2004 to 2005	LAB	25	28.75	GPM
WV0003018	005	2003 to 2004	LAB	31.25	37.91666667	GPM
WV0003018	005	2004 to 2005	LAB	31.875	40	GPM
WV0003051	001	2003 to 2004	LAB	109.7083333	135.4166667	GPM
WV0003051	001	2004 to 2005	LAB	91.7375	108.3333333	GPM
WV0003051	006	2003 to 2004	LAB	2.681818182	3.363636364	GPM
WV0003051	006	2004 to 2005	LAB	3.166666667	4.416666667	GPM
WV0003051	008	2003 to 2004	LAB	1.708333333	2.083333333	GPM
WV0003051	008	2004 to 2005	LAB	2.625	3	GPM
WV0003051	011	2003 to 2004	LAB	4	4	GPM
WV0003051	012	2003 to 2004	LAB	6.416666667	10.83333333	GPM
WV0003051	012	2004 to 2005	LAB	5.541666667	9.666666667	GPM
WV0003051	017	2003 to 2004	LAB	2.541666667	3.333333333	GPM
WV0003051	017	2004 to 2005	LAB	4.113636364	5.272727273	GPM
WV0003051	018	2004 to 2005	LAB	20	20	GPM
WV0003051	021	2004 to 2005	LAB	10	10	GPM
WV0003051	022	2003 to 2004	LAB	20	20	GPM
WV0003051	022	2004 to 2005	LAB	31.125	34	GPM
WV0003051	023	2003 to 2004	LAB	17.45833333	21	GPM
WV0003051	023	2004 to 2005	LAB	19.08333333	27.75	GPM
WV0004201	002	2003 to 2004	LAB	41.83333333	48.66666667	GPM
WV0004201	002	2004 to 2005	LAB	51.5	64.25	GPM
WV0004201	003	2003 to 2004	LAB	90	98.83333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0004201	003	2004 to 2005	LAB	107	118.25	GPM
WV0004201	005	2003 to 2004	LAB	4	7	GPM
WV0004201	005	2004 to 2005	LAB	4.8	6.4	GPM
WV0004201	009	2003 to 2004	LAB	272.25	304.75	GPM
WV0004201	009	2004 to 2005	LAB	280.9166667	308.3333333	GPM
WV0004201	017	2003 to 2004	LAB	23	29.75	GPM
WV0004201	017	2004 to 2005	LAB	22.83333333	29.5	GPM
WV0004201	018	2003 to 2004	LAB	63.25	72.16666667	GPM
WV0004201	018	2004 to 2005	LAB	78	90.08333333	GPM
WV0004201	019	2003 to 2004	LAB	76.8	83.2	GPM
WV0004201	020	2003 to 2004	LAB	151.3333333	198.6666667	GPM
WV0004201	020	2004 to 2005	LAB	101.6	169.2	GPM
WV0004278	003	2003 to 2004	LAB	11.33333333	15.41666667	GPM
WV0004278	003	2004 to 2005	LAB	12.90909091	21.09090909	GPM
WV0004278	015	2003 to 2004	LAB	4.3	5.6	GPM
WV0004278	015	2004 to 2005	LAB	4.909090909	7	GPM
WV0004278	BGCD	2003 to 2004	LAB	5485.833333	6337.666667	GPM
WV0004278	BGCD	2004 to 2005	LAB	12508.125	15739.625	GPM
WV0004278	BGCU	2003 to 2004	LAB	5254.142857	6003	GPM
WV0004278	BGCU	2004 to 2005	LAB	11460.14286	12865.85714	GPM
WV0004421	002	2003 to 2004	LAB	12.33333333	14.5	GPM
WV0004421	002	2004 to 2005	LAB	4.142857143	5.5	GPM
WV0004421	003	2003 to 2004	LAB	10.6	13	GPM
WV0004421	003	2004 to 2005	LAB	10.9375	13	GPM
WV0004537	002	2003 to 2004	LAB	10.76785714	15.35714286	GPM
WV0004537	002	2004 to 2005	LAB	10.34375	14.05	GPM
WV0004537	003	2003 to 2004	LAB	87.03827044	88.31774378	GPM
WV0004537	003	2004 to 2005	LAB	25.46875	31.5	GPM
WV0004553	002	2003 to 2004	LAB	20.70833333	26.66666667	GPM
WV0004553	002	2004 to 2005	LAB	24.22916667	32.91666667	GPM
WV0005541	001	2003 to 2004	LAB	351.25	614.75	GPM
WV0005541	004	2003 to 2004	LAB	385.7636364	744.0090909	GPM
WV0005541	004	2004 to 2005	LAB	258.5	517	GPM
WV0005541	006	2003 to 2004	LAB	328.9790909	412.0663636	GPM
WV0005541	006	2004 to 2005	LAB	58.85833333	94.3275	GPM
WV0005606	001	2003 to 2004	LAB	1.1	1.2	GPM
WV0005606	002	2003 to 2004	LAB	1678.608333	1927.016667	GPM
WV0005606	002	2004 to 2005	LAB	8371.516667	8589.45	GPM
WV0005690	002	2003 to 2004	LAB	12.375	17.25	GPM
WV0005690	002	2004 to 2005	LAB	14.45454545	19.81818182	GPM
WV0005690	003	2003 to 2004	LAB	129.8333333	206.25	GPM
WV0005690	003	2004 to 2005	LAB	43.83333333	59.58333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0005690	004	2003 to 2004	LAB	28.33333333	45.66666667	GPM
WV0005690	039	2003 to 2004	LAB	12	21.66666667	GPM
WV0005801	002	2003 to 2004	LAB	740.4166667	954.1666667	GPM
WV0005801	002	2004 to 2005	LAB	711.6666667	916.6666667	GPM
WV0005801	004	2003 to 2004	LAB	5.063636364	8.536363636	GPM
WV0005801	004	2004 to 2005	LAB	3.9	5.771428571	GPM
WV0005801	005	2003 to 2004	LAB	2.595454545	4.472727273	GPM
WV0005801	005	2004 to 2005	LAB	3.205	4.41	GPM
WV0005801	007	2003 to 2004	LAB	0.8	1.3	GPM
WV0005801	007	2004 to 2005	LAB	9.8	19.6	GPM
WV0005801	014	2003 to 2004	LAB	2.125	2.716666667	GPM
WV0005801	014	2004 to 2005	LAB	1.816666667	2.333333333	GPM
WV0005801	GWM-1	2003 to 2004	LAB	47.07075	47.07075	GPM
WV0005801	GWM-1	2004 to 2005	LAB	31.6325	31.6325	GPM
WV0005801	GWM-2	2003 to 2004	LAB	33.125	33.125	GPM
WV0005801	GWM-2	2004 to 2005	LAB	25.5625	25.5625	GPM
WV0020834	002	2003 to 2004	LAB	77.33333333	94.33333333	GPM
WV0020834	002	2004 to 2005	LAB	208	243.4166667	GPM
WV0020834	005	2003 to 2004	LAB	53.41666667	68.58333333	GPM
WV0020834	005	2004 to 2005	LAB	74.08333333	99.08333333	GPM
WV0020834	010	2003 to 2004	LAB	38	44.5	GPM
WV0020834	011	2003 to 2004	LAB	24.33333333	32.66666667	GPM
WV0020834	011	2004 to 2005	LAB	34.5	49	GPM
WV0020834	016	2003 to 2004	LAB	13.91666667	20.58333333	GPM
WV0020834	016	2004 to 2005	LAB	7.428571429	12	GPM
WV0020834	017	2003 to 2004	LAB	34	43.16666667	GPM
WV0020834	017	2004 to 2005	LAB	33.41666667	37.58333333	GPM
WV0020834	020	2003 to 2004	LAB	3	3	GPM
WV0020834	020	2004 to 2005	LAB	17	33	GPM
WV0020834	021	2004 to 2005	LAB	3.5	6.5	GPM
WV0020834	022	2003 to 2004	LAB	3.833333333	4.571428571	GPM
WV0020834	022	2004 to 2005	LAB	2.5	3.166666667	GPM
WV0020834	023	2003 to 2004	LAB	4	8	GPM
WV0020834	023	2004 to 2005	LAB	11	18.83333333	GPM
WV0020834	026	2003 to 2004	LAB	4.5	7.6	GPM
WV0020834	026	2004 to 2005	LAB	3.2	4.8	GPM
WV0020834	027	2003 to 2004	LAB	3	6	GPM
WV0020834	027	2004 to 2005	LAB	0.515	0.525	GPM
WV0020834	028	2003 to 2004	LAB	18.6	33.2	GPM
WV0020834	028	2004 to 2005	LAB	5.085833333	6.920833333	GPM
WV0021687	001	2003 to 2004	LAB	255	280.8333333	GPM
WV0021687	001	2004 to 2005	LAB	288.75	351.6666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0021687	002	2003 to 2004	LAB	14.04166667	18.16666667	GPM
WV0021687	002	2004 to 2005	LAB	19.375	22.91666667	GPM
WV0021687	DSDf01	2003 to 2004	LAB	61383.33333	67066.66667	GPM
WV0021687	DSDf01	2004 to 2005	LAB	59076.25	65809.58333	GPM
WV0021687	DSRFBF	2003 to 2004	LAB	103.3333333	140	GPM
WV0021687	DSRFBF	2004 to 2005	LAB	98.75	125.8333333	GPM
WV0021687	USDF01	2003 to 2004	LAB	61000	66666.66667	GPM
WV0021687	USDF01	2004 to 2005	LAB	58750	65416.66667	GPM
WV0021687	USRFBF	2003 to 2004	LAB	14	20	GPM
WV0021687	USRFBF	2004 to 2005	LAB	10.615	14.79166667	GPM
WV0023329	002	2004 to 2005	LAB	12.5	16.66666667	GPM
WV0024619	003	2003 to 2004	LAB	28.40909091	30.45454545	GPM
WV0024619	003	2004 to 2005	LAB	25.75	26.5	GPM
WV0024627	007	2003 to 2004	LAB	3	3	GPM
WV0024627	007	2004 to 2005	LAB	3	3	GPM
WV0024627	008	2003 to 2004	LAB	3	3	GPM
WV0024627	008	2004 to 2005	LAB	3	3	GPM
WV0024627	009	2003 to 2004	LAB	25	25	GPM
WV0024627	009	2004 to 2005	LAB	25	25	GPM
WV0024627	018	2003 to 2004	LAB	25.08333333	25.16666667	GPM
WV0024627	018	2004 to 2005	LAB	25	25	GPM
WV0024937	001	2004 to 2005	LAB	42.5	53	GPM
WV0025607	002	2003 to 2004	LAB	120	153.3333333	GPM
WV0025607	002	2004 to 2005	LAB	57.125	75.83333333	GPM
WV0025607	004	2003 to 2004	LAB	1275	1441.666667	GPM
WV0025607	004	2004 to 2005	LAB	1250	1433.333333	GPM
WV0025607	005	2003 to 2004	LAB	9.388888889	12.55555556	GPM
WV0025607	005	2004 to 2005	LAB	4.5	6	GPM
WV0025607	006	2003 to 2004	LAB	10	11.66666667	GPM
WV0025607	006	2004 to 2005	LAB	4.166666667	4.666666667	GPM
WV0025607	007	2003 to 2004	LAB	7.2	8.6	GPM
WV0025607	007	2004 to 2005	LAB	2.75	3.5	GPM
WV0025607	015	2003 to 2004	LAB	12.25	16.83333333	GPM
WV0025607	015	2004 to 2005	LAB	7.113636364	10.02272727	GPM
WV0025607	017	2003 to 2004	LAB	12.95833333	17.91666667	GPM
WV0025607	017	2004 to 2005	LAB	9.333333333	12.25	GPM
WV0025607	026	2003 to 2004	LAB	1016.666667	1133.333333	GPM
WV0025607	026	2004 to 2005	LAB	1365.808333	1688.083333	GPM
WV0025607	032	2003 to 2004	LAB	19.36363636	30.54545455	GPM
WV0025607	032	2004 to 2005	LAB	15.375	21.125	GPM
WV0025615	001	2004 to 2005	LAB	40	60	GPM
WV0025615	002	2004 to 2005	LAB	17.5	17.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0025615	003	2004 to 2005	LAB	30	30	GPM
WV0025615	005	2003 to 2004	LAB	3.666666667	4	GPM
WV0025615	005	2004 to 2005	LAB	10	10	GPM
WV0025615	008	2003 to 2004	LAB	3.428571429	4.714285714	GPM
WV0025615	008	2004 to 2005	LAB	5.5	10	GPM
WV0027031	002	2003 to 2004	LAB	372.3181818	483.3636364	GPM
WV0027031	004	2003 to 2004	LAB	15.75	15.75	GPM
WV0027031	005	2003 to 2004	LAB	420.9090909	455	GPM
WV0027031	006	2003 to 2004	LAB	49.64285714	53.14285714	GPM
WV0027871	003	2003 to 2004	LAB	6.8125	10.25	GPM
WV0027871	003	2004 to 2005	LAB	17.22222222	19.44444444	GPM
WV0027871	004	2003 to 2004	LAB	7.083333333	10.16666667	GPM
WV0027871	004	2004 to 2005	LAB	7.5	7.5	GPM
WV0027871	005	2003 to 2004	LAB	44.625	54.41666667	GPM
WV0027871	005	2004 to 2005	LAB	77.375	87.5	GPM
WV0027871	006	2003 to 2004	LAB	152.7916667	176.6666667	GPM
WV0027871	006	2004 to 2005	LAB	220.625	232.0833333	GPM
WV0027871	008	2003 to 2004	LAB	2	2	GPM
WV0027871	008	2004 to 2005	LAB	8.75	9	GPM
WV0028452	001	2003 to 2004	LAB	232.2916667	272.9166667	GPM
WV0028452	001	2004 to 2005	LAB	168.125	211.6666667	GPM
WV0028452	002	2003 to 2004	LAB	1064.583333	1358.333333	GPM
WV0028452	002	2004 to 2005	LAB	726.25	887.5	GPM
WV0028452	003	2003 to 2004	LAB	1454.166667	1916.666667	GPM
WV0028452	003	2004 to 2005	LAB	1070.833333	1250	GPM
WV0028452	004	2003 to 2004	LAB	91.16666667	119.1666667	GPM
WV0028452	004	2004 to 2005	LAB	80.20833333	97.91666667	GPM
WV0028452	006	2003 to 2004	LAB	10.16666667	17.41666667	GPM
WV0028452	006	2004 to 2005	LAB	3.583333333	4.666666667	GPM
WV0028452	010	2004 to 2005	LAB	16.33333333	25	GPM
WV0028452	013	2004 to 2005	LAB	5	5	GPM
WV0028452	017	2003 to 2004	LAB	181.875	230	GPM
WV0028452	017	2004 to 2005	LAB	134.5454545	152.7272727	GPM
WV0029726	001	2003 to 2004	LAB	27.77777778	30.55555556	GPM
WV0029726	001	2004 to 2005	LAB	51.04166667	69.58333333	GPM
WV0031607	004	2004 to 2005	LAB	8	8	GPM
WV0031607	006	2004 to 2005	LAB	14.875	16.375	GPM
WV0032115	006	2003 to 2004	LAB	20.54166667	24	GPM
WV0032115	006	2004 to 2005	LAB	28.16666667	35	GPM
WV0032115	007	2003 to 2004	LAB	141.0416667	175	GPM
WV0032115	007	2004 to 2005	LAB	228.3333333	283.3333333	GPM
WV0032115	013	2003 to 2004	LAB	16.20833333	19.91666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0032115	013	2004 to 2005	LAB	14.04166667	16	GPM
WV0033073	010	2003 to 2004	LAB	7.416666667	9.166666667	GPM
WV0033073	011	2003 to 2004	LAB	6.055555556	8.555555556	GPM
WV0033073	011	2004 to 2005	LAB	6.25	7.666666667	GPM
WV0033073	012	2003 to 2004	LAB	10.77272727	15.09090909	GPM
WV0033073	012	2004 to 2005	LAB	9.625	12.875	GPM
WV0033073	019	2003 to 2004	LAB	57.70833333	60.83333333	GPM
WV0033073	019	2004 to 2005	LAB	56.95454545	60	GPM
WV0036579	001	2003 to 2004	LAB	110.4583333	173.5	GPM
WV0036579	001	2004 to 2005	LAB	94.91666667	116.25	GPM
WV0036587	001	2003 to 2004	LAB	49.54545455	57.27272727	GPM
WV0036587	001	2004 to 2005	LAB	17.66666667	22.66666667	GPM
WV0038113	001	2003 to 2004	LAB	32.35333333	38.5	GPM
WV0038113	001	2004 to 2005	LAB	7.944545455	11.77363636	GPM
WV0038113	002	2003 to 2004	LAB	43.12416667	51.91666667	GPM
WV0038113	002	2004 to 2005	LAB	25.79166667	29.58333333	GPM
WV0038113	005	2004 to 2005	LAB	4	4	GPM
WV0038113	006	2003 to 2004	LAB	6.620555556	11.94444444	GPM
WV0038113	006	2004 to 2005	LAB	1.75	1.75	GPM
WV0038121	001	2003 to 2004	LAB	67.79833333	80.58166667	GPM
WV0038253	004	2003 to 2004	LAB	5	10	GPM
WV0038253	006	2003 to 2004	LAB	100	300	GPM
WV0038253	007	2003 to 2004	LAB	335.0833333	347.25	GPM
WV0038253	007	2004 to 2005	LAB	306.1363636	347.0909091	GPM
WV0038253	010	2003 to 2004	LAB	1609.090909	2063.636364	GPM
WV0038253	010	2004 to 2005	LAB	2624.318182	2907.363636	GPM
WV0038253	016	2003 to 2004	LAB	94.88888889	128.7777778	GPM
WV0038253	016	2004 to 2005	LAB	49.95454545	64.45454545	GPM
WV0038253	033	2003 to 2004	LAB	2515.85	2901.7	GPM
WV0038253	033	2004 to 2005	LAB	2617.45	2763.3	GPM
WV0038288	002	2003 to 2004	LAB	24.33333333	48.33333333	GPM
WV0038288	002	2004 to 2005	LAB	64	115.25	GPM
WV0038288	004	2003 to 2004	LAB	1370.416667	1659.166667	GPM
WV0038288	004	2004 to 2005	LAB	1438.666667	1694	GPM
WV0038288	005	2003 to 2004	LAB	665.0833333	833.25	GPM
WV0038288	005	2004 to 2005	LAB	1464.083333	1781.5	GPM
WV0038288	007	2003 to 2004	LAB	792.6666667	1311	GPM
WV0038288	007	2004 to 2005	LAB	934.5	1066.166667	GPM
WV0038288	015	2003 to 2004	LAB	1	2	GPM
WV0038288	201	2003 to 2004	LAB	1000	1000	GPM
WV0038288	201	2004 to 2005	LAB	49	49	GPM
WV0038288	203	2003 to 2004	LAB	15	15	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0038288	E SUMP	2003 to 2004	LAB	78	53	GPM
WV0038288	E SUMP	2004 to 2005	LAB	44.26666667	44.26666667	GPM
WV0038288	PUMP	2003 to 2004	LAB	1712.08	1330.693333	GPM
WV0038288	PUMP	2004 to 2005	LAB	1290	1290	GPM
WV0038288	HOLLOW	2003 to 2004	LAB	75.5	75.5	GPM
WV0038288	HOLLOW	2004 to 2005	LAB	114.6666667	114.6666667	GPM
WV0038288	SYPHON	2003 to 2004	LAB		50	GPM
WV0038288	SYPHON	2004 to 2005	LAB	1200	1200	GPM
WV0038539	023	2003 to 2004	LAB	19.25	24.33333333	GPM
WV0038539	023	2004 to 2005	LAB	15.875	22.16666667	GPM
WV0038768	004	2004 to 2005	LAB	4.642857143	4.714285714	GPM
WV0039471	001	2003 to 2004	LAB	627.0833333	738.3333333	GPM
WV0039471	001	2004 to 2005	LAB	1127.083333	1495.833333	GPM
WV0039471	002	2003 to 2004	LAB	5.458333333	6.333333333	GPM
WV0039471	002	2004 to 2005	LAB	15.75	19.25	GPM
WV0039471	003	2003 to 2004	LAB	2.020833333	2.5	GPM
WV0039471	003	2004 to 2005	LAB	2.854166667	4.083333333	GPM
WV0039471	005	2003 to 2004	LAB	46.04166667	51.66666667	GPM
WV0039471	005	2004 to 2005	LAB	27.5	32.08333333	GPM
WV0039471	006	2003 to 2004	LAB	130.2083333	212.5	GPM
WV0039471	006	2004 to 2005	LAB	211.0416667	310	GPM
WV0039471	010	2003 to 2004	LAB	22.16666667	28.75	GPM
WV0039471	010	2004 to 2005	LAB	30.41666667	37.91666667	GPM
WV0039471	011	2004 to 2005	LAB	40	40	GPM
WV0039535	001	2004 to 2005	LAB	52.61111111	80.66666667	GPM
WV0039535	007	2004 to 2005	LAB	74.9375	93.25	GPM
WV0039535	011	2004 to 2005	LAB	51.05	65.5	GPM
WV0040711	001	2003 to 2004	LAB	408.1666667	558.3333333	GPM
WV0040711	001	2004 to 2005	LAB	785.6666667	1116.666667	GPM
WV0040711	006	2003 to 2004	LAB	151.6666667	283.3333333	GPM
WV0040711	006	2004 to 2005	LAB	100	200	GPM
WV0040711	007	2003 to 2004	LAB	1317.5	1476.666667	GPM
WV0040711	007	2004 to 2005	LAB	1875	2233.333333	GPM
WV0040711	008	2003 to 2004	LAB	12.54545455	14.36363636	GPM
WV0040711	008	2004 to 2005	LAB	13.75	16.33333333	GPM
WV0040711	010	2003 to 2004	LAB	6.714285714	10.28571429	GPM
WV0040711	010	2004 to 2005	LAB	11.90833333	19.2	GPM
WV0040711	015	2003 to 2004	LAB	98.33333333	130	GPM
WV0040711	015	2004 to 2005	LAB	116.25	173.3333333	GPM
WV0040711	016	2003 to 2004	LAB	350.4166667	429.1666667	GPM
WV0040711	016	2004 to 2005	LAB	353.75	454.1666667	GPM
WV0040711	018	2003 to 2004	LAB	1.75	3	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0040711	018	2004 to 2005	LAB	3.888888889	7.111111111	GPM
WV0040711	022	2003 to 2004	LAB	3	5.5	GPM
WV0040711	022	2004 to 2005	LAB	8.574375	13.625	GPM
WV0040711	023	2003 to 2004	LAB	315.4166667	391.6666667	GPM
WV0040711	023	2004 to 2005	LAB	285.0833333	350.8333333	GPM
WV0041122	010	2003 to 2004	LAB	79.1	101.6	GPM
WV0041122	010	2004 to 2005	LAB	69.95833333	106	GPM
WV0041122	013	2003 to 2004	LAB	129.1666667	170.9166667	GPM
WV0041122	013	2004 to 2005	LAB	114.4583333	134.4166667	GPM
WV0041122	025	2003 to 2004	LAB	96.58333333	109.9166667	GPM
WV0041122	025	2004 to 2005	LAB	69.5	80.83333333	GPM
WV0041122	026	2004 to 2005	LAB	6	12	GPM
WV0041149	006	2003 to 2004	LAB	202.9	216	GPM
WV0041149	006	2004 to 2005	LAB	174.7916667	194.1666667	GPM
WV0041734	002	2003 to 2004	LAB	17.66666667	24.08333333	GPM
WV0041734	002	2004 to 2005	LAB	12.5	15.5	GPM
WV0041734	003	2003 to 2004	LAB	575.4285714	580	GPM
WV0041734	003	2004 to 2005	LAB	28.33333333	33.33333333	GPM
WV0041734	004	2003 to 2004	LAB	206.375	252.5	GPM
WV0041734	004	2004 to 2005	LAB	153.3333333	166.1111111	GPM
WV0041734	006	2003 to 2004	LAB	9.666666667	15.66666667	GPM
WV0041734	006	2004 to 2005	LAB	20.375	22.625	GPM
WV0041734	007	2003 to 2004	LAB	303.3333333	455	GPM
WV0041734	007	2004 to 2005	LAB	200	200	GPM
WV0041734	009	2003 to 2004	LAB	1	1	GPM
WV0041734	011	2003 to 2004	LAB	190.85	224	GPM
WV0041734	011	2004 to 2005	LAB	204.1666667	233.3333333	GPM
WV0041785	001	2003 to 2004	LAB	125	144.5454545	GPM
WV0041785	001	2004 to 2005	LAB	138.9583333	158.3333333	GPM
WV0042544	001	2004 to 2005	LAB	50	50	GPM
WV0042544	002	2004 to 2005	LAB	25.125	27.625	GPM
WV0042544	003	2004 to 2005	LAB	22.375	25	GPM
WV0042544	004	2004 to 2005	LAB	50.55555556	66.11111111	GPM
WV0042544	007	2004 to 2005	LAB	10	10	GPM
WV0042846	008	2003 to 2004	LAB	472.0833333	689.5833333	GPM
WV0042846	008	2004 to 2005	LAB	893.75	1252.083333	GPM
WV0042846	010	2003 to 2004	LAB	4	4	GPM
WV0042846	010	2004 to 2005	LAB	3.25	3.5	GPM
WV0042846	037	2003 to 2004	LAB	23.95833333	29.58333333	GPM
WV0042846	037	2004 to 2005	LAB	28.20833333	34.16666667	GPM
WV0043273	001	2003 to 2004	LAB	1044.986618	1445.336909	GPM
WV0043273	001	2004 to 2005	LAB	1165.75	1484.166667	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0043273	004	2003 to 2004	LAB	1	1	GPM
WV0043273	004	2004 to 2005	LAB	1	1	GPM
WV0043273	005	2003 to 2004	LAB	1160.485807	1433.835218	GPM
WV0043273	005	2004 to 2005	LAB	687.6579875	848.549125	GPM
WV0043273	006	2003 to 2004	LAB	4.178571429	5.428571429	GPM
WV0043273	006	2004 to 2005	LAB	3.34375	4.875	GPM
WV0043273	008	2003 to 2004	LAB	74.2001	100.6422	GPM
WV0043273	008	2004 to 2005	LAB	984.1854167	1351.03	GPM
WV0043273	010	2003 to 2004	LAB	198.8854167	244.6666667	GPM
WV0043273	010	2004 to 2005	LAB	59.28125	78.29166667	GPM
WV0043613	GR-DN	2003 to 2004	LAB	375	400	GPM
WV0043613	SR-DN	2003 to 2004	LAB	475	500	GPM
WV0044024	062	2004 to 2005	LAB	52.5	55	GPM
WV0044024	063	2004 to 2005	LAB	1	1	GPM
WV0044024	DSCC09	2003 to 2004	LAB	450	466.6666667	GPM
WV0044024	DSCC09	2004 to 2005	LAB	646.4285714	671.4285714	GPM
WV0044024	DSGR63	2004 to 2005	LAB	67000	68000	GPM
WV0044024	DSSR12	2003 to 2004	LAB	62.5	65	GPM
WV0044024	DSSR12	2004 to 2005	LAB	74.375	78.75	GPM
WV0044024	DSSR62	2004 to 2005	LAB	1000	1000	GPM
WV0044024	USCC09	2003 to 2004	LAB	330	350	GPM
WV0044024	USCC09	2004 to 2005	LAB	550	571.4285714	GPM
WV0044024	USGR63	2004 to 2005	LAB	64000	66000	GPM
WV0044024	USSR12	2003 to 2004	LAB	45	46.66666667	GPM
WV0044024	USSR12	2004 to 2005	LAB	65	68.75	GPM
WV0044024	USSR62	2004 to 2005	LAB	400	400	GPM
WV0044172	001	2003 to 2004	LAB	63.0625	81.25	GPM
WV0044172	001	2004 to 2005	LAB	80.90909091	86.81818182	GPM
WV0044172	003	2003 to 2004	LAB	34.22727273	40	GPM
WV0044172	003	2004 to 2005	LAB	78.125	85	GPM
WV0044172	004	2003 to 2004	LAB	149.5833333	202.5	GPM
WV0044172	004	2004 to 2005	LAB	108.625	117.25	GPM
WV0044172	005	2003 to 2004	LAB	175.2083333	215.4166667	GPM
WV0044172	005	2004 to 2005	LAB	265	297.5	GPM
WV0044172	007	2003 to 2004	LAB	29.31818182	38.63636364	GPM
WV0044172	007	2004 to 2005	LAB	110.2272727	155	GPM
WV0044172	008	2003 to 2004	LAB	75	75	GPM
WV0044172	008	2004 to 2005	LAB	63.54166667	67.08333333	GPM
WV0044172	009	2003 to 2004	LAB	24.31818182	30	GPM
WV0044172	009	2004 to 2005	LAB	98.33333333	135.8333333	GPM
WV0044172	010	2003 to 2004	LAB	179.5454545	222.2727273	GPM
WV0044172	010	2004 to 2005	LAB	171.4583333	230	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0044172	014	2003 to 2004	LAB	168.125	207.5	GPM
WV0044172	014	2004 to 2005	LAB	55.25	71.3	GPM
WV0044172	015	2003 to 2004	LAB	10	10	GPM
WV0044172	015	2004 to 2005	LAB	54.3	75.8	GPM
WV0044172	016	2003 to 2004	LAB	20	20	GPM
WV0044172	016	2004 to 2005	LAB	11.64285714	15.14285714	GPM
WV0044172	017	2003 to 2004	LAB	83.95833333	110	GPM
WV0044172	017	2004 to 2005	LAB	213.3333333	265.4166667	GPM
WV0044172	018	2004 to 2005	LAB	1	1	GPM
WV0044172	019	2003 to 2004	LAB	25	25	GPM
WV0044172	019	2004 to 2005	LAB	62.08333333	72.5	GPM
WV0044172	020	2003 to 2004	LAB	28.07142857	28.57142857	GPM
WV0044172	020	2004 to 2005	LAB	85.68181818	92.27272727	GPM
WV0044172	021	2003 to 2004	LAB	22.5	26.25	GPM
WV0044172	021	2004 to 2005	LAB	67.04545455	73.63636364	GPM
WV0044181	001	2003 to 2004	LAB	65.41666667	85.83333333	GPM
WV0044181	001	2004 to 2005	LAB	117.9166667	158.75	GPM
WV0044181	003	2003 to 2004	LAB	144.0909091	182.7272727	GPM
WV0044181	003	2004 to 2005	LAB	364.5833333	416.6666667	GPM
WV0044181	004	2003 to 2004	LAB	106.3636364	130.9090909	GPM
WV0044181	004	2004 to 2005	LAB	70.3	85.1	GPM
WV0044181	005	2003 to 2004	LAB	223.75	292.5	GPM
WV0044181	005	2004 to 2005	LAB	99.5	128.3333333	GPM
WV0044181	008	2003 to 2004	LAB	84	128	GPM
WV0044181	008	2004 to 2005	LAB	253.5	258.5	GPM
WV0044181	010	2003 to 2004	LAB	182.2727273	216.3636364	GPM
WV0044181	010	2004 to 2005	LAB	210.0909091	232.7272727	GPM
WV0044181	017	2004 to 2005	LAB	108.65	149	GPM
WV0044181	019	2003 to 2004	LAB	442.4545455	505.8181818	GPM
WV0044181	019	2004 to 2005	LAB	192.625	249.1666667	GPM
WV0044181	020	2003 to 2004	LAB	245	250	GPM
WV0044181	020	2004 to 2005	LAB	210.8333333	237.5	GPM
WV0044288	001	2003 to 2004	LAB	1234	1693.545455	GPM
WV0044288	001	2004 to 2005	LAB	644.4166667	1013.166667	GPM
WV0044547	002	2003 to 2004	LAB	1.295	1.5	GPM
WV0044547	003	2003 to 2004	LAB	5	5	GPM
WV0044750	001	2003 to 2004	LAB	40.20833333	48.75	GPM
WV0044750	001	2004 to 2005	LAB	31.33333333	44.75	GPM
WV0044750	002	2003 to 2004	LAB	55.16666667	70	GPM
WV0044750	002	2004 to 2005	LAB	28.41666667	39.58333333	GPM
WV0045608	001	2003 to 2004	LAB	113.0833333	137.8333333	GPM
WV0045608	001	2004 to 2005	LAB	105.9166667	120.0833333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0045608	002	2003 to 2004	LAB	40	40	GPM
WV0045608	010	2003 to 2004	LAB	50	50	GPM
WV0045608	010	2004 to 2005	LAB	57.5	90	GPM
WV0046027	001	2003 to 2004	LAB	80.00416667	93.41666667	GPM
WV0046027	001	2004 to 2005	LAB	75.22727273	89.18181818	GPM
WV0046141	002	2004 to 2005	LAB	17.5	23.33333333	GPM
WV0046141	004	2004 to 2005	LAB	56.64285714	82.85714286	GPM
WV0046141	005	2003 to 2004	LAB	400	400	GPM
WV0046141	005	2004 to 2005	LAB	286.25	297.5	GPM
WV0046141	008	2003 to 2004	LAB	2.333333333	2.333333333	GPM
WV0046141	008	2004 to 2005	LAB	1.000666667	1.000666667	GPM
WV0046141	012	2003 to 2004	LAB	19.625	20	GPM
WV0046141	012	2004 to 2005	LAB	12.20833333	13.83333333	GPM
WV0046141	013	2003 to 2004	LAB	9.5	9.583333333	GPM
WV0046141	013	2004 to 2005	LAB	36.36363636	38.63636364	GPM
WV0046329	009	2003 to 2004	LAB	35.75	60	GPM
WV0046329	010	2003 to 2004	LAB	21.125	25.75	GPM
WV0046329	010	2004 to 2005	LAB	14.66666667	16.33333333	GPM
WV0046329	012	2003 to 2004	LAB	26.25	26.25	GPM
WV0046329	012	2004 to 2005	LAB	18.1875	20.25	GPM
WV0046329	016	2004 to 2005	LAB	8.833333333	11	GPM
WV0046329	017	2004 to 2005	LAB	180.9433333	354.3333333	GPM
WV0046329	018	2004 to 2005	LAB	10	11.5	GPM
WV0046469	001	2003 to 2004	LAB	265.2727273	448.9090909	GPM
WV0046469	001	2004 to 2005	LAB	812.5	1002.5	GPM
WV0046469	003	2003 to 2004	LAB	100.4545455	173.8181818	GPM
WV0046469	003	2004 to 2005	LAB	1293.083333	1908.833333	GPM
WV0046469	004	2003 to 2004	LAB	321	430.7272727	GPM
WV0046469	004	2004 to 2005	LAB	3283.583333	4829.333333	GPM
WV0046469	005	2003 to 2004	LAB	62.63636364	96.54545455	GPM
WV0046469	005	2004 to 2005	LAB	248.3333333	388.0833333	GPM
WV0046612	001	2003 to 2004	LAB	125	200	GPM
WV0046612	002	2003 to 2004	LAB	62.27272727	92	GPM
WV0046612	002	2004 to 2005	LAB	85.91666667	98.16666667	GPM
WV0046612	003	2003 to 2004	LAB	103.4	164	GPM
WV0046612	003	2004 to 2005	LAB	80.42857143	157	GPM
WV0046612	004	2003 to 2004	LAB	615.3688889	1157.666667	GPM
WV0046612	004	2004 to 2005	LAB	554.25	748.5	GPM
WV0046612	006	2003 to 2004	LAB	22.41666667	34	GPM
WV0046612	006	2004 to 2005	LAB	12.36363636	15.45454545	GPM
WV0046655	017	2003 to 2004	LAB	4.785	6.11	GPM
WV0046655	017	2004 to 2005	LAB	8.9	11.6	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0046655	022	2003 to 2004	LAB	6	7.272727273	GPM
WV0046655	022	2004 to 2005	LAB	3.857142857	5	GPM
WV0046701	001	2003 to 2004	LAB	437	562.6363636	GPM
WV0046701	001	2004 to 2005	LAB	640.5833333	825.9166667	GPM
WV0046701	002	2003 to 2004	LAB	2238.090909	2898	GPM
WV0046701	002	2004 to 2005	LAB	2190.8	2901.4	GPM
WV0047074	005	2004 to 2005	LAB	113.5	113.5	GPM
WV0047074	011	2004 to 2005	LAB	39.41666667	61.16666667	GPM
WV0047198	001	2003 to 2004	LAB	41.04166667	46.25	GPM
WV0047198	001	2004 to 2005	LAB	67.55741364	75.80191818	GPM
WV0047198	002	2004 to 2005	LAB	29.5	30	GPM
WV0047716	001	2003 to 2004	LAB	100	100	GPM
WV0047716	002	2003 to 2004	LAB	55.88958333	72.93416667	GPM
WV0047716	002	2004 to 2005	LAB	60.58333333	73.58333333	GPM
WV0047759	002	2003 to 2004	LAB	16.8	28.6	GPM
WV0047759	002	2004 to 2005	LAB	12.53181818	17.63636364	GPM
WV0047759	003	2003 to 2004	LAB	4.75	6.5	GPM
WV0047759	003	2004 to 2005	LAB	4.791666667	5.583333333	GPM
WV0047759	005	2004 to 2005	LAB	47	47	GPM
WV0047759	006	2003 to 2004	LAB	37.75	51	GPM
WV0047759	006	2004 to 2005	LAB	28.16666667	38.41666667	GPM
WV0047759	007	2003 to 2004	LAB	150	160	GPM
WV0047759	007	2004 to 2005	LAB	230.5	260.0833333	GPM
WV0047759	DSDC	2003 to 2004	LAB	5.65	5.9	CFS
WV0047759	USDC	2003 to 2004	LAB	4.25	5.4	CFS
WV0047988	013	2003 to 2004	LAB	71.04166667	80.83333333	GPM
WV0047988	013	2004 to 2005	LAB	75.625	80	GPM
WV0047988	020	2003 to 2004	LAB	8.227272727	11.31818182	GPM
WV0047988	020	2004 to 2005	LAB	15.95	20	GPM
WV0047988	039	2003 to 2004	LAB	123.9583333	145.4166667	GPM
WV0047988	039	2004 to 2005	LAB	117.9166667	145	GPM
WV0048097	001	2003 to 2004	LAB	3.75	4	GPM
WV0048097	001	2004 to 2005	LAB	4.2	4.4	GPM
WV0048097	002	2003 to 2004	LAB	201.4090909	266.8181818	GPM
WV0048097	002	2004 to 2005	LAB	185.3181818	228.8181818	GPM
WV0048101	003	2003 to 2004	LAB	9.863636364	14.45454545	GPM
WV0048101	003	2004 to 2005	LAB	20.77083333	28	GPM
WV0048101	005	2003 to 2004	LAB	32.86458333	50.625	GPM
WV0048101	005	2004 to 2005	LAB	31.375	42.25	GPM
WV0048101	006	2003 to 2004	LAB	2.25	3.275	GPM
WV0048101	006	2004 to 2005	LAB	1.472222222	1.694444444	GPM
WV0048101	007	2003 to 2004	LAB	10.5	14.60714286	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0048101	007	2004 to 2005	LAB	33.58333333	54.08333333	GPM
WV0048101	008	2003 to 2004	LAB	31.91666667	48.5	GPM
WV0048101	008	2004 to 2005	LAB	24.90909091	34.54545455	GPM
WV0048101	009	2003 to 2004	LAB	0.25	0.25	GPM
WV0048101	009	2004 to 2005	LAB	0.5	0.5	GPM
WV0048526	003	2003 to 2004	LAB	50.55555556	55.55555556	GPM
WV0048526	003	2004 to 2005	LAB	59.09090909	68.18181818	GPM
WV0048526	006	2003 to 2004	LAB	42.22222222	50	GPM
WV0048526	006	2004 to 2005	LAB	36.875	43.75	GPM
WV0048526	008	2003 to 2004	LAB	33.88888889	36.11111111	GPM
WV0048526	008	2004 to 2005	LAB	27.5	31.25	GPM
WV0048526	009	2003 to 2004	LAB	35.83333333	41.66666667	GPM
WV0048526	009	2004 to 2005	LAB	32.70833333	41.66666667	GPM
WV0048577	001	2003 to 2004	LAB	74.66666667	90.33333333	GPM
WV0048577	001	2004 to 2005	LAB	139.5833333	157.9166667	GPM
WV0048577	002	2004 to 2005	LAB	2.5	3.1	GPM
WV0048593	003	2003 to 2004	LAB	51.66666667	76.66666667	GPM
WV0048593	003	2004 to 2005	LAB	239.6666667	287.5	GPM
WV0048593	007	2003 to 2004	LAB	833.3333333	933.3333333	GPM
WV0048593	007	2004 to 2005	LAB	261.4166667	284.9166667	GPM
WV0048593	008	2003 to 2004	LAB	51.25	72.5	GPM
WV0048593	008	2004 to 2005	LAB	20.86363636	33.45454545	GPM
WV0048593	009	2003 to 2004	LAB	866.6666667	933.3333333	GPM
WV0048593	009	2004 to 2005	LAB	268.5416667	296.9166667	GPM
WV0048739	004	2003 to 2004	LAB	121.7083333	157.0833333	GPM
WV0048739	004	2004 to 2005	LAB	161.1666667	203.75	GPM
WV0048887	002	2003 to 2004	LAB	3.666666667	3.666666667	GPM
WV0048887	002	2004 to 2005	LAB	5	5.125	GPM
WV0048909	001	2003 to 2004	LAB	17	82	GPM
WV0048976	003	2003 to 2004	LAB	14.625	18	GPM
WV0049239	001	2003 to 2004	LAB	27.375	46.375	GPM
WV0049239	001	2004 to 2005	LAB	19.9	26.6	GPM
WV0049239	002	2003 to 2004	LAB	13.5	26.5	GPM
WV0049239	002	2004 to 2005	LAB	12.33333333	19.33333333	GPM
WV0049239	003	2003 to 2004	LAB	2.25	2.875	GPM
WV0049239	003	2004 to 2005	LAB	2.818181818	5.272727273	GPM
WV0049671	011	2003 to 2004	LAB	15	15	GPM
WV0049671	011	2004 to 2005	LAB	29.16666667	30.55555556	GPM
WV0049671	024	2003 to 2004	LAB	32.5	38.75	GPM
WV0049671	024	2004 to 2005	LAB	49.16666667	50	GPM
WV0049671	025	2003 to 2004	LAB	3.5	3.5	GPM
WV0049671	025	2004 to 2005	LAB	1.944444444	2.111111111	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0049671	026	2003 to 2004	LAB	5	5.25	GPM
WV0049671	026	2004 to 2005	LAB	8.277777778	8.666666667	GPM
WV0049671	042	2003 to 2004	LAB	44.45833333	47.91666667	GPM
WV0049671	042	2004 to 2005	LAB	41.66666667	45	GPM
WV0049671	047	2003 to 2004	LAB	7.5	7.5	GPM
WV0049671	047	2004 to 2005	LAB	10.44444444	11.66666667	GPM
WV0049671	059	2003 to 2004	LAB	8	8	GPM
WV0049671	059	2004 to 2005	LAB	8	8.444444444	GPM
WV0049671	DSGR24	2004 to 2005	LAB	60375	60625	GPM
WV0049671	DSSR11	2004 to 2005	LAB	712.5	756.25	GPM
WV0049671	DSUTGR	2004 to 2005	LAB	8.8125	9.375	GPM
WV0049671	USGR24	2004 to 2005	LAB	58500	59000	GPM
WV0049671	USSR36	2004 to 2005	LAB	197.5	220	GPM
WV0049671	USSR42	2004 to 2005	LAB	553.125	587.5	GPM
WV0049751	001	2003 to 2004	LAB	114.5833333	125	GPM
WV0049751	001	2004 to 2005	LAB	168.75	179.1666667	GPM
WV0049751	003	2003 to 2004	LAB	50	50	GPM
WV0049751	003	2004 to 2005	LAB	20.5	25.5	GPM
WV0049751	004	2003 to 2004	LAB	2.554285714	2.857142857	GPM
WV0049751	004	2004 to 2005	LAB	2.01625	2.5	GPM
WV0049751	005	2003 to 2004	LAB	68.16666667	72.91666667	GPM
WV0049751	005	2004 to 2005	LAB	57.29166667	65	GPM
WV0049751	007	2003 to 2004	LAB	90.41666667	106.6666667	GPM
WV0049751	007	2004 to 2005	LAB	110.2083333	150.8333333	GPM
WV0049751	008	2003 to 2004	LAB	50	50	GPM
WV0049751	010	2003 to 2004	LAB	102.0833333	104.1666667	GPM
WV0049751	010	2004 to 2005	LAB	164.5833333	183.3333333	GPM
WV0049751	011	2003 to 2004	LAB	83.14583333	129.1666667	GPM
WV0049751	011	2004 to 2005	LAB	290.5625	400.1666667	GPM
WV0049751	018	2004 to 2005	LAB	1	1	GPM
WV0050318	011	2003 to 2004	LAB	71.38888889	105.5555556	GPM
WV0050318	012	2003 to 2004	LAB	38.75	50	GPM
WV0050318	012	2004 to 2005	LAB	31.45833333	39.16666667	GPM
WV0050318	013	2003 to 2004	LAB	19	23	GPM
WV0050318	013	2004 to 2005	LAB	16.03636364	20.90909091	GPM
WV0050318	014	2003 to 2004	LAB	3.166666667	5.5	GPM
WV0050318	022	2003 to 2004	LAB	154.25	199.5	GPM
WV0050318	022	2004 to 2005	LAB	119.1666667	148.75	GPM
WV0050318	026	2003 to 2004	LAB	493.55	566.3	GPM
WV0050318	026	2004 to 2005	LAB	300.1291667	356.6666667	GPM
WV0050318	109	2003 to 2004	LAB	286.25	312.5	GPM
WV0050318	109	2004 to 2005	LAB	233.5416667	267.0833333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0050521	020	2003 to 2004	LAB	21	21	GPM
WV0050521	020	2004 to 2005	LAB	19.54166667	21.08333333	GPM
WV0050521	028	2003 to 2004	LAB	1438.636364	1472.727273	GPM
WV0050521	028	2004 to 2005	LAB	1400	1450	GPM
WV0050521	029	2003 to 2004	LAB	48.75	48.75	GPM
WV0050521	029	2004 to 2005	LAB	62.77777778	65	GPM
WV0050521	030	2003 to 2004	LAB	12.5	12.5	GPM
WV0050521	030	2004 to 2005	LAB	39.05555556	40.88888889	GPM
WV0050521	032	2003 to 2004	LAB	16.25	16.25	GPM
WV0050521	032	2004 to 2005	LAB	33.33333333	35	GPM
WV0050521	037	2004 to 2005	LAB	30.72875	32.5	GPM
WV0050521	038	2003 to 2004	LAB	131.25	131.25	GPM
WV0050521	038	2004 to 2005	LAB	33.61111111	35.55555556	GPM
WV0050521	045	2003 to 2004	LAB	1	1	GPM
WV0050521	045	2004 to 2005	LAB	2.166666667	2.444444444	GPM
WV0050521	052	2003 to 2004	LAB	2	2	GPM
WV0050521	052	2004 to 2005	LAB	3.277777778	3.555555556	GPM
WV0050521	063	2004 to 2005	LAB	1493.75	1500	GPM
WV0050521	DSBC45	2004 to 2005	LAB	31504.16625	33375	GPM
WV0050521	DSGR38	2004 to 2005	LAB	60250	64875	GPM
WV0050521	DSGR52	2004 to 2005	LAB	54875	56250	GPM
WV0050521	DSL37	2004 to 2005	LAB	33.75	35.625	GPM
WV0050521	DSPC32	2004 to 2005	LAB	4743.75	4950	GPM
WV0050521	USBC28	2004 to 2005	LAB	28500	31375	GPM
WV0050521	USGR50	2004 to 2005	LAB	36412.5	37600	GPM
WV0050521	USLB37	2004 to 2005	LAB	26.875	28.125	GPM
WV0050521	USPC30	2004 to 2005	LAB	2768.75	2975	GPM
WV0050598	001	2003 to 2004	LAB	7.5	23.75	GPM
WV0050598	001	2004 to 2005	LAB	10.4	10.4	GPM
WV0050598	002	2003 to 2004	LAB	1014.583333	1233.333333	GPM
WV0050598	002	2004 to 2005	LAB	1033.333333	1225	GPM
WV0050598	004	2003 to 2004	LAB	3	6.75	GPM
WV0050598	004	2004 to 2005	LAB	1.5625	1.5625	GPM
WV0050598	005	2003 to 2004	LAB	402.6666667	608.75	GPM
WV0050598	005	2004 to 2005	LAB	507.2	774.4	GPM
WV0050717	001	2003 to 2004	LAB	16.27083333	23.83333333	GPM
WV0050717	001	2004 to 2005	LAB	9.666666667	12.08333333	GPM
WV0050717	002	2003 to 2004	LAB	1148.125	1705.416667	GPM
WV0050717	002	2004 to 2005	LAB	1018.75	1183.333333	GPM
WV0050717	004	2003 to 2004	LAB	76.54166667	91.25	GPM
WV0050717	004	2004 to 2005	LAB	70.83333333	89.16666667	GPM
WV0050717	006	2004 to 2005	LAB	75	75	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0050857	002	2003 to 2004	LAB	69.72222222	82.77777778	GPM
WV0050857	002	2004 to 2005	LAB	69.47916667	75	GPM
WV0050857	003	2004 to 2005	LAB	15	15	GPM
WV0050857	005	2003 to 2004	LAB	21	22	GPM
WV0050857	005	2004 to 2005	LAB	24.77454545	28.63636364	GPM
WV0050857	006	2003 to 2004	LAB	20	23.33333333	GPM
WV0050857	006	2004 to 2005	LAB	10	10	GPM
WV0050857	008	2003 to 2004	LAB	47.25	55.5	GPM
WV0050857	008	2004 to 2005	LAB	82.08333333	95.83333333	GPM
WV0050857	009	2004 to 2005	LAB	33	33	GPM
WV0050857	201	2003 to 2004	LAB	800	800	GPM
WV0050857	201	2004 to 2005	LAB	800	800	GPD
WV0050857	201	2004 to 2005	LAB	400.01	400.01	GPM
WV0050865	001	2003 to 2004	LAB	79.6875	87.5	GPM
WV0050865	001	2004 to 2005	LAB	14.16666667	15.83333333	GPM
WV0050903	001	2003 to 2004	LAB	5	5	GPM
WV0050903	002	2003 to 2004	LAB	10	10	GPM
WV0050903	002	2004 to 2005	LAB	16	16	GPM
WV0050903	005	2003 to 2004	LAB	1323.958333	1543.75	GPM
WV0050903	005	2004 to 2005	LAB	558.7272727	680.9090909	GPM
WV0050903	006	2003 to 2004	LAB	16.86363636	22.63636364	GPM
WV0050903	006	2004 to 2005	LAB	7.045454545	9	GPM
WV0050903	009	2003 to 2004	LAB	2	2	GPM
WV0050903	009	2004 to 2005	LAB	5	5	GPM
WV0050911	001	2003 to 2004	LAB	27	27	GPM
WV0050911	001	2004 to 2005	LAB	25.41666667	31.25	GPM
WV0050920	001	2003 to 2004	LAB	9	11	GPM
WV0050920	001	2004 to 2005	LAB	16.25	20.41666667	GPM
WV0050920	002	2003 to 2004	LAB	35.5	40	GPM
WV0050920	002	2004 to 2005	LAB	42.5	52.91666667	GPM
WV0050946	002	2003 to 2004	LAB	83	93	GPM
WV0050946	002	2004 to 2005	LAB	106.1111111	118.3333333	GPM
WV0050946	003	2003 to 2004	LAB	10	10	GPM
WV0050946	003	2004 to 2005	LAB	10	10	GPM
WV0050946	004	2003 to 2004	LAB	43	50	GPM
WV0050946	004	2004 to 2005	LAB	82.77777778	87.77777778	GPM
WV0050946	010	2004 to 2005	LAB	20	20	GPM
WV0050946	018	2004 to 2005	LAB	20	20	GPM
WV0050946	020	2003 to 2004	LAB	7.5	7.5	GPM
WV0050946	020	2004 to 2005	LAB	11.25	11.25	GPM
WV0050946	JENS02	2003 to 2004	LAB	0.533333333	0.533333333	GPM
WV0050946	JENS02	2004 to 2005	LAB	0.4	0.4	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0050946	JENS04	2003 to 2004	LAB	0.633333333	0.633333333	GPM
WV0050946	JENS04	2004 to 2005	LAB	0.533333333	0.533333333	GPM
WV0050946	JENS05	2003 to 2004	LAB	0.183333333	0.183333333	GPM
WV0050946	JENS05	2004 to 2005	LAB	0.133333333	0.133333333	GPM
WV0050946	JENS08	2003 to 2004	LAB	0.333333333	0.333333333	GPM
WV0050946	JENS08	2004 to 2005	LAB	0.316666667	0.316666667	GPM
WV0051055	001	2003 to 2004	LAB	74.76	75.7	GPM
WV0051055	001	2004 to 2005	LAB	75	75	GPM
WV0051101	001	2003 to 2004	LAB	20	20	GPM
WV0051101	001	2004 to 2005	LAB	17.5	17.5	GPM
WV0051101	003	2003 to 2004	LAB	75	75	GPM
WV0051101	003	2004 to 2005	LAB	75	75	GPM
WV0051179	001	2003 to 2004	LAB	2.583333333	5.166666667	GPM
WV0051179	001	2004 to 2005	LAB	18	18	GPM
WV0051179	004	2003 to 2004	LAB	20.05555556	20	GPM
WV0051179	004	2004 to 2005	LAB	31.5	41.33333333	GPM
WV0051179	006	2003 to 2004	LAB	4.5	5.444444444	GPM
WV0051179	006	2004 to 2005	LAB	6.5	9	GPM
WV0051179	007	2003 to 2004	LAB	16.11111111	18.77777778	GPM
WV0051179	007	2004 to 2005	LAB	21.5	23.66666667	GPM
WV0051314	001	2003 to 2004	LAB	11.54545455	17.09090909	GPM
WV0051314	001	2004 to 2005	LAB	5.75	8.6	GPM
WV0051314	004	2003 to 2004	LAB	5	10	GPM
WV0051314	006	2003 to 2004	LAB	6	12	GPM
WV0051381	002	2003 to 2004	LAB	114.3333333	133.6666667	GPM
WV0051381	002	2004 to 2005	LAB	83.33333333	95	GPM
WV0051381	003	2003 to 2004	LAB	18.5	20.41666667	GPM
WV0051381	003	2004 to 2005	LAB	24.58333333	29.16666667	GPM
WV0051403	001	2003 to 2004	LAB	35.90909091	40.45454545	GPM
WV0051403	001	2004 to 2005	LAB	35.45454545	38.18181818	GPM
WV0051403	003	2004 to 2005	LAB	42.22222222	48.88888889	GPM
WV0051519	010	2003 to 2004	LAB	14.28571429	21.5	GPM
WV0051519	010	2004 to 2005	LAB	8.666666667	12	GPM
WV0051616	015	2003 to 2004	LAB		10	GPM
WV0051829	003	2003 to 2004	LAB	81.05555556	93.33333333	GPM
WV0051829	003	2004 to 2005	LAB	36.40909091	45.45454545	GPM
WV0051845	003	2004 to 2005	LAB	15.5	18	GPM
WV0051845	101	2004 to 2005	LAB	4.75	7.416666667	GPM
WV0051845	109	2003 to 2004	LAB	62.91666667	69.58333333	GPM
WV0051845	109	2004 to 2005	LAB	141.0454545	156.3636364	GPM
WV0051942	002	2003 to 2004	LAB	43.125	53.58333333	GPM
WV0051942	002	2004 to 2005	LAB	34.79166667	45.08333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0052051	007	2003 to 2004	LAB	21	27	GPM
WV0052051	007	2004 to 2005	LAB	18.67083333	20.25833333	GPM
WV0052094	001	2003 to 2004	LAB	89.08560909	130.5454545	GPM
WV0052094	001	2004 to 2005	LAB	176.6363636	236.8181818	GPM
WV0052094	002	2003 to 2004	LAB	0.954166667	1.058333333	GPM
WV0052094	002	2004 to 2005	LAB	0.964285714	0.964285714	GPM
WV0052094	004	2003 to 2004	LAB	35	35	GPM
WV0052094	004	2004 to 2005	LAB	12.5	12.5	GPM
WV0052094	005	2003 to 2004	LAB	10	10	GPM
WV0052094	005	2004 to 2005	LAB	7.65625	9.25	GPM
WV0052248	017	2003 to 2004	LAB	33.21428571	39.28571429	GPM
WV0052248	017	2004 to 2005	LAB	45.21666667	72.925	GPM
WV0052248	029	2003 to 2004	LAB	30	43.33333333	GPM
WV0052248	029	2004 to 2005	LAB	157.7777778	175.5555556	GPM
WV0052256	001	2004 to 2005	LAB	17.22222222	22.22222222	GPM
WV0052426	001	2003 to 2004	LAB	585.75	714.5833333	GPM
WV0052426	001	2004 to 2005	LAB	327.4166667	353.3333333	GPM
WV0052426	002	2003 to 2004	LAB	432.1	625.7	GPM
WV0052426	002	2004 to 2005	LAB	156.5714286	231.4285714	GPM
WV0052426	003	2003 to 2004	LAB	13.2	19.5	GPM
WV0052426	003	2004 to 2005	LAB	13	16.75	GPM
WV0052426	033	2003 to 2004	LAB	47.66666667	54.58333333	GPM
WV0052426	033	2004 to 2005	LAB	26.66666667	31.25	GPM
WV0052426	037	2003 to 2004	LAB	249	290.4166667	GPM
WV0052426	037	2004 to 2005	LAB	250.5	275.9166667	GPM
WV0052426	045	2003 to 2004	LAB	143.5	152.4166667	GPM
WV0052426	045	2004 to 2005	LAB	103.25	113.75	GPM
WV0052515	003	2003 to 2004	LAB	1	2	GPM
WV0052515	005	2003 to 2004	LAB	2	4	GPM
WV0052531	004	2003 to 2004	LAB	7912.5	8100	GPM
WV0052531	004	2004 to 2005	LAB	5733.333333	6041.666667	GPM
WV0052710	001	2003 to 2004	LAB	3	3	GPM
WV0052710	001	2004 to 2005	LAB	1.3	1.4	GPM
WV0052710	003	2003 to 2004	LAB	8.181818182	8.181818182	GPM
WV0052710	003	2004 to 2005	LAB	6.833333333	7.583333333	GPM
WV0052710	004	2003 to 2004	LAB	43	43	GPM
WV0052710	004	2004 to 2005	LAB	11.70833333	13.58333333	GPM
WV0052728	001	2003 to 2004	LAB	32.5	32.5	GPM
WV0052728	DSCR	2003 to 2004	LAB	0.4	0.4	CFS
WV0052833	001	2003 to 2004	LAB	32	32	GPM
WV0052833	001	2004 to 2005	LAB	28.33333333	28.33333333	GPM
WV0052973	005	2003 to 2004	LAB	88.63636364	134.0909091	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0052973	005	2004 to 2005	LAB	35.625	41.25	GPM
WV0053091	004	2003 to 2004	LAB	92.91666667	113.8333333	GPM
WV0053091	004	2004 to 2005	LAB	127.3333333	192.8333333	GPM
WV0053121	014	2003 to 2004	LAB	907.0833333	1454.166667	GPM
WV0053121	014	2004 to 2005	LAB	541.7083333	583.3333333	GPM
WV0053121	015	2003 to 2004	LAB	19.41666667	20.58333333	GPM
WV0053121	015	2004 to 2005	LAB	43.26416667	46.25	GPM
WV0053121	017	2003 to 2004	LAB	30.16666667	32.5	GPM
WV0053121	017	2004 to 2005	LAB	26.86363636	30.72727273	GPM
WV0053121	019	2003 to 2004	LAB	3000	3000	GPM
WV0053121	019	2004 to 2005	LAB	3000	3000	GPM
WV0053121	060	2003 to 2004	LAB	1.363636364	1.363636364	GPM
WV0053121	060	2004 to 2005	LAB	1.722222222	1.888888889	GPM
WV0053121	DSGR60	2003 to 2004	LAB	55583.33333	55833.33333	GPM
WV0053121	DSGR60	2004 to 2005	LAB	58750	63083.33333	GPM
WV0053121	DSL15	2003 to 2004	LAB	76.66666667	78.33333333	GPM
WV0053121	DSL15	2004 to 2005	LAB	53.54166667	57.08333333	GPM
WV0053121	USGR17	2003 to 2004	LAB	37333.33333	37666.66667	GPM
WV0053121	USGR17	2004 to 2005	LAB	49791.66667	51166.66667	GPM
WV0053121	USLB62	2003 to 2004	LAB	45	46.66666667	GPM
WV0053121	USLB62	2004 to 2005	LAB	32.91666667	35.83333333	GPM
WV0053155	001	2003 to 2004	LAB	224	231.6666667	GPM
WV0053155	001	2004 to 2005	LAB	234.0909091	234.0909091	GPM
WV0053163	001	2003 to 2004	LAB	863.4166667	1223.416667	GPM
WV0053163	001	2004 to 2005	LAB	1133.333333	1354.166667	GPM
WV0053163	002	2003 to 2004	LAB	107.8333333	129.5833333	GPM
WV0053163	002	2004 to 2005	LAB	170.5	200	GPM
WV0053163	003	2003 to 2004	LAB	3.677777778	4.677777778	GPM
WV0053163	003	2004 to 2005	LAB	2.818181818	3.636363636	GPM
WV0053163	004	2003 to 2004	LAB	77	246.25	GPM
WV0053163	004	2004 to 2005	LAB	122.2	195	GPM
WV0053171	001	2003 to 2004	LAB	743.3333333	901.6666667	GPM
WV0053171	001	2004 to 2005	LAB	858.3333333	1316.666667	GPM
WV0053171	002	2003 to 2004	LAB	234.25	286.6666667	GPM
WV0053171	002	2004 to 2005	LAB	732	984	GPM
WV0053171	008	2003 to 2004	LAB	6.166666667	7.666666667	GPM
WV0053171	008	2004 to 2005	LAB	3.6	4.1	GPM
WV0053171	009	2003 to 2004	LAB	98.5	127.9166667	GPM
WV0053171	009	2004 to 2005	LAB	134.125	206.25	GPM
WV0053171	014	2003 to 2004	LAB	1	2	GPM
WV0053171	015	2003 to 2004	LAB	2	3	GPM
WV0053171	015	2004 to 2005	LAB	2	4	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0053171	017	2003 to 2004	LAB	5.111111111	8.444444444	GPM
WV0053171	017	2004 to 2005	LAB	3.777777778	5.444444444	GPM
WV0053171	022	2003 to 2004	LAB	1	1	GPM
WV0053171	022	2004 to 2005	LAB	1	1.5	GPM
WV0053171	025	2003 to 2004	LAB	1	1	GPM
WV0053171	026	2003 to 2004	LAB	5.5	11	GPM
WV0053171	026	2004 to 2005	LAB	1	2	GPM
WV0053171	028	2003 to 2004	LAB	2	4	GPM
WV0053171	028	2004 to 2005	LAB	2	3.333333333	GPM
WV0053171	029	2003 to 2004	LAB	1	2	GPM
WV0053171	036	2003 to 2004	LAB	104.0833333	120.4166667	GPM
WV0053171	036	2004 to 2005	LAB	132.6666667	162.5	GPM
WV0053171	044	2003 to 2004	LAB	2	3	GPM
WV0053171	044	2004 to 2005	LAB	1	1	GPM
WV0053180	001	2003 to 2004	LAB	30.41666667	35	GPM
WV0053180	001	2004 to 2005	LAB	16.25	21.25	GPM
WV0053210	001	2003 to 2004	LAB	3.1	3.2	GPM
WV0053210	001	2004 to 2005	LAB	4	4	GPM
WV0053210	002	2003 to 2004	LAB	2.185714286	2.185714286	GPM
WV0053210	002	2004 to 2005	LAB	6.875	6.875	GPM
WV0053210	003	2003 to 2004	LAB	15	15	GPM
WV0053210	003	2004 to 2005	LAB	19.14285714	19.14285714	GPM
WV0053210	004	2003 to 2004	LAB	22.5	22.5	GPM
WV0053210	004	2004 to 2005	LAB	15.125	15.25	GPM
WV0053210	008	2003 to 2004	LAB	40	40	GPM
WV0053210	008	2004 to 2005	LAB	56.18181818	57.63636364	GPM
WV0053236	001	2003 to 2004	LAB	418.375	423.5833333	GPM
WV0053236	001	2004 to 2005	LAB	479.1666667	486.25	GPM
WV0053236	002	2003 to 2004	LAB	430.9166667	436	GPM
WV0053236	002	2004 to 2005	LAB	493.75	500.8333333	GPM
WV0053236	004	2004 to 2005	LAB	13.33333333	15	GPM
WV0053333	001	2003 to 2004	LAB	56.875	83.75	GPM
WV0053333	002	2003 to 2004	LAB	74.3	100	GPM
WV0053929	001	2003 to 2004	LAB	46.8125	55	GPM
WV0053929	001	2004 to 2005	LAB	67.55555556	85	GPM
WV0053929	002	2003 to 2004	LAB	9.1875	12.4375	GPM
WV0053929	002	2004 to 2005	LAB	121.8333333	233.6666667	GPM
WV0055433	002	2003 to 2004	LAB	4.920909091	5.057272727	GPM
WV0055433	002	2004 to 2005	LAB	4.363636364	4.363636364	GPM
WV0055433	300	2003 to 2004	LAB	8.888888889	9	GPM
WV0055433	300	2004 to 2005	LAB	5.568181818	5.568181818	GPM
WV0055433	301	2003 to 2004	LAB	4.204545455	4.340909091	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0055433	301	2004 to 2005	LAB	3.772727273	3.772727273	GPM
WV0056006	001	2003 to 2004	LAB	75.64166667	87.91666667	GPM
WV0056006	001	2004 to 2005	LAB	73.63636364	83.63636364	GPM
WV0056006	002	2003 to 2004	LAB	27.08333333	30.41666667	GPM
WV0056006	002	2004 to 2005	LAB	26.25	34.16666667	GPM
WV0056006	009	2003 to 2004	LAB	45	45	GPM
WV0056006	020	2004 to 2005	LAB	77.5	150	GPM
WV0056006	023	2004 to 2005	LAB	22.5	25	GPM
WV0056006	024	2004 to 2005	LAB	12.9	12.9	GPM
WV0056111	001	2003 to 2004	LAB	6.5	8.142857143	GPM
WV0056111	001	2004 to 2005	LAB	8.206666667	9.89	GPM
WV0056227	001	2003 to 2004	LAB	22.22222222	78.88888889	GPM
WV0056332	001	2004 to 2005	LAB	25	100	GPM
WV0056332	002	2003 to 2004	LAB	247.2688917	310.8416667	GPM
WV0056332	002	2004 to 2005	LAB	368.6111083	406.6666667	GPM
WV0056332	003	2003 to 2004	LAB	67.79416667	80.58166667	GPM
WV0056332	003	2004 to 2005	LAB	68.75	84.75	GPM
WV0056332	004	2003 to 2004	LAB	119.985	167.7383333	GPM
WV0056332	004	2004 to 2005	LAB	121.3333333	148.6666667	GPM
WV0056332	005	2003 to 2004	LAB	74.66666667	90.33333333	GPM
WV0056332	005	2004 to 2005	LAB	139.5833333	157.9166667	GPM
WV0056332	007	2003 to 2004	LAB	3.397083333	6.5275	GPM
WV0056332	007	2004 to 2005	LAB	1.916666667	2.125	GPM
WV0056405	001	2003 to 2004	LAB	412.1818182	631.8181818	GPM
WV0056405	001	2004 to 2005	LAB	2495.916667	3014.5	GPM
WV0056405	002	2003 to 2004	LAB	316.1818182	447.8181818	GPM
WV0056405	002	2004 to 2005	LAB	1492.583333	1688.333333	GPM
WV0056405	003	2003 to 2004	LAB	1571.454545	2106.363636	GPM
WV0056405	003	2004 to 2005	LAB	2520.5	3455.916667	GPM
WV0056405	011	2004 to 2005	LAB	5.333333333	5.333333333	GPM
WV0056430	001	2004 to 2005	LAB	69	77	GPM
WV0056430	003	2004 to 2005	LAB	53.25	87.5	GPM
WV0056430	DIR-1	2003 to 2004	LAB	7.913333333	14.97333333	GPM
WV0056430	DIR-1	2004 to 2005	LAB	2.495	3.283333333	GPM
WV0056472	003	2003 to 2004	LAB	1735.15	2220.5	GPM
WV0056472	004	2003 to 2004	LAB	1503.5	1507	GPM
WV0056634	001	2003 to 2004	LAB	67.91666667	77.08333333	GPM
WV0056634	001	2004 to 2005	LAB	80.44166667	108.9916667	GPM
WV0056634	002	2003 to 2004	LAB	77.27272727	81.81818182	GPM
WV0056634	002	2004 to 2005	LAB	88.54166667	97.91666667	GPM
WV0056693	007	2003 to 2004	LAB	12.66666667	19.29166667	GPM
WV0056693	007	2004 to 2005	LAB	10.58333333	15.66666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0056693	012	2003 to 2004	LAB	116.6666667	142.5	GPM
WV0056693	012	2004 to 2005	LAB	141.875	186.6666667	GPM
WV0056693	013	2004 to 2005	LAB	8	8	GPM
WV0056693	015	2003 to 2004	LAB	48.33333333	74.16666667	GPM
WV0056693	015	2004 to 2005	LAB	88	150.8333333	GPM
WV0056693	018	2003 to 2004	LAB	72.15	86.5	GPM
WV0056693	018	2004 to 2005	LAB	47.81818182	56.22727273	GPM
WV0056693	020	2003 to 2004	LAB	129.1666667	145	GPM
WV0056693	020	2004 to 2005	LAB	116.1363636	135	GPM
WV0056693	021	2003 to 2004	LAB	9.95	9.95	GPM
WV0056693	021	2004 to 2005	LAB	9.675	12.65	GPM
WV0056693	022	2003 to 2004	LAB	7.625	7.625	GPM
WV0056693	022	2004 to 2005	LAB	0.06	0.06	GPM
WV0056693	023	2003 to 2004	LAB	25	25	GPM
WV0056693	023	2004 to 2005	LAB	40	40	GPM
WV0056693	025	2003 to 2004	LAB	4.663888889	7.694444444	GPM
WV0056693	025	2004 to 2005	LAB	8.609375	13.4375	GPM
WV0056774	002	2004 to 2005	LAB	1	1	GPM
WV0057011	009	2003 to 2004	LAB	3	3	GPM
WV0057011	009	2004 to 2005	LAB	4.875	5.75	GPM
WV0057011	014	2004 to 2005	LAB	5	5	GPM
WV0057011	016	2003 to 2004	LAB	4	4	GPM
WV0057011	016	2004 to 2005	LAB	4	4	GPM
WV0057011	018	2004 to 2005	LAB	10.37857143	15.00714286	GPM
WV0057126	001	2003 to 2004	LAB	2536.363636	2890.909091	GPM
WV0057126	001	2004 to 2005	LAB	2377.7775	2716.666667	GPM
WV0057126	002	2003 to 2004	LAB	2037.5	2216.666667	GPM
WV0057126	002	2004 to 2005	LAB	2154.166667	2283.333333	GPM
WV0057126	004	2004 to 2005	LAB	20	40	GPM
WV0057126	016	2003 to 2004	LAB	17.58333333	22.33333333	GPM
WV0057126	016	2004 to 2005	LAB	14.25	18.5	GPM
WV0057126	024	2003 to 2004	LAB	47.58333333	67	GPM
WV0057126	024	2004 to 2005	LAB	399.875	788.25	GPM
WV0057797	001	2003 to 2004	LAB	75.3125	85.625	GPM
WV0058238	001	2003 to 2004	LAB	95.83333333	166.6666667	GPM
WV0058238	002	2003 to 2004	LAB	148.4583333	166.6666667	GPM
WV0058238	002	2004 to 2005	LAB	88.125	126.25	GPM
WV0058246	001	2003 to 2004	LAB	121.2588889	139.7777778	GPM
WV0058246	001	2004 to 2005	LAB	222.6	338.8	GPM
WV0058513	002	2003 to 2004	LAB	40.55	52	GPM
WV0058513	002	2004 to 2005	LAB	50	50	GPM
WV0058513	031	2003 to 2004	LAB	18.21428571	23.57142857	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0058513	031	2004 to 2005	LAB	18.125	18.75	GPM
WV0058513	111	2003 to 2004	LAB	23.75	29.5	GPM
WV0058513	111	2004 to 2005	LAB	37.98583333	50.41666667	GPM
WV0058521	001	2004 to 2005	LAB	1	1	GPM
WV0058521	002	2004 to 2005	LAB	5.5	5.5	GPM
WV0058955	002	2003 to 2004	LAB	19.95	25.4	GPM
WV0058955	002	2004 to 2005	LAB	6.916666667	8	GPM
WV0059242	002	2003 to 2004	LAB	5.5	6.75	GPM
WV0060097	001	2004 to 2005	LAB	38.66666667	48.33333333	GPM
WV0060097	002	2003 to 2004	LAB	1.5	1.5	GPM
WV0060097	002	2004 to 2005	LAB	1.75	1.857142857	GPM
WV0060097	008	2003 to 2004	LAB	3.84375	4.1875	GPM
WV0060097	008	2004 to 2005	LAB	129.6428571	149.7142857	GPM
WV0060143	001	2003 to 2004	LAB	731.25	862.5	GPM
WV0060160	001	2003 to 2004	LAB	384.7083333	499.5833333	GPM
WV0060160	001	2004 to 2005	LAB	1091.791667	1276.583333	GPM
WV0060194	002	2003 to 2004	LAB	103.75	131.5	GPM
WV0060194	002	2004 to 2005	LAB	81.10416667	97.08333333	GPM
WV0060194	004	2003 to 2004	LAB	25.83285714	29.28571429	GPM
WV0060194	004	2004 to 2005	LAB	30.20833333	37.08333333	GPM
WV0060194	101	2003 to 2004	LAB	20	20	GPM
WV0060259	001	2003 to 2004	LAB	8.083333333	9.416666667	GPM
WV0060259	001	2004 to 2005	LAB	9.55	15.3	GPM
WV0060372	001	2003 to 2004	LAB	30.85	39.5	GPM
WV0060372	001	2004 to 2005	LAB	22.25	27.5	GPM
WV0060372	002	2003 to 2004	LAB	63.75	73.75	GPM
WV0060372	002	2004 to 2005	LAB	47.08333333	52.08333333	GPM
WV0060372	007	2004 to 2005	LAB	5	5	GPM
WV0060674	006	2003 to 2004	LAB	4	4	GPM
WV0060674	006	2004 to 2005	LAB	14.20833333	18.16666667	GPM
WV0060674	007	2003 to 2004	LAB	10	10	GPM
WV0060674	007	2004 to 2005	LAB	10	10	GPM
WV0060674	008	2003 to 2004	LAB	13.59090909	16.09090909	GPM
WV0060674	008	2004 to 2005	LAB	15	17.5	GPM
WV0060674	009	2003 to 2004	LAB	30	30	GPM
WV0060674	009	2004 to 2005	LAB	33.66666667	37.5	GPM
WV0060674	011	2003 to 2004	LAB	25	25	GPM
WV0060674	011	2004 to 2005	LAB	20	20	GPM
WV0060801	004	2003 to 2004	LAB	28.83333333	40.5	GPM
WV0060801	004	2004 to 2005	LAB	23.08333333	29.41666667	GPM
WV0060801	010	2004 to 2005	LAB	7.6	9.6	GPM
WV0060801	012	2003 to 2004	LAB	56.08333333	78.33333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0060801	012	2004 to 2005	LAB	58.08333333	72.91666667	GPM
WV0060801	013	2003 to 2004	LAB	16.11111111	26.88888889	GPM
WV0060801	013	2004 to 2005	LAB	9.833333333	15	GPM
WV0060801	026	2004 to 2005	LAB	27.5	32.5	GPM
WV0060801	045	2003 to 2004	LAB	118.4166667	170	GPM
WV0060801	045	2004 to 2005	LAB	104.25	125.4166667	GPM
WV0060801	046	2003 to 2004	LAB	207.5	285.8333333	GPM
WV0060801	046	2004 to 2005	LAB	240.6666667	318.3333333	GPM
WV0061336	002	2003 to 2004	LAB	484.375	512.5	GPM
WV0061336	002	2004 to 2005	LAB	505.5555556	511.1111111	GPM
WV0061336	003	2003 to 2004	LAB	55.83333333	62.22222222	GPM
WV0061336	003	2004 to 2005	LAB	31.25	37.5	GPM
WV0061336	006	2003 to 2004	LAB	5	5	GPM
WV0061336	DSG (b)	2003 to 2004	LAB	184.8009907	188.4010138	GPM
WV0061336	DSG	2004 to 2005	LAB	70	70	GPM
WV0061336	DSUTWB	2003 to 2004	LAB	40.25	41.5	GPM
WV0061336	DSUTWB	2004 to 2005	LAB	62.375	68.25	GPM
WV0061336	USG (b)	2003 to 2004	LAB	158.3218133	288.0018432	GPM
WV0061336	USUTWB	2003 to 2004	LAB	26.375	27	GPM
WV0061336	USUTWB	2004 to 2005	LAB	39.375	44.375	GPM
WV0061646	001	2004 to 2005	LAB	1000	3000	GPM
WV0061646	003	2003 to 2004	LAB	83.33333333	104.1666667	GPM
WV0061646	003	2004 to 2005	LAB	110.3522222	268	GPM
WV0061671	001	2003 to 2004	LAB	693.75	858.3333333	GPM
WV0061671	001	2004 to 2005	LAB	571.875	675	GPM
WV0061671	002	2004 to 2005	LAB	5	5.666666667	GPM
WV0061671	003	2003 to 2004	LAB	12.07272727	20.27272727	GPM
WV0061671	003	2004 to 2005	LAB	20.85	27.55	GPM
WV0061671	005	2003 to 2004	LAB	80.375	118.75	GPM
WV0061671	005	2004 to 2005	LAB	51.38083333	74.16666667	GPM
WV0061671	006	2003 to 2004	LAB	11.39772727	13.95454545	GPM
WV0061671	006	2004 to 2005	LAB	3.59375	6	GPM
WV0061689	001	2003 to 2004	LAB	16.27083333	23.83333333	GPM
WV0061689	001	2004 to 2005	LAB	7.5	10	GPM
WV0061689	002	2003 to 2004	LAB	81.20833333	98.33333333	GPM
WV0061689	002	2004 to 2005	LAB	97.5	125	GPM
WV0061689	021	2003 to 2004	LAB	14.58333333	20.91666667	GPM
WV0061689	021	2004 to 2005	LAB	4.5	5	GPM
WV0062405	300	2003 to 2004	LAB	262.2727273	281.25	GPM
WV0062405	300	2004 to 2005	LAB	239.5833333	254.1666667	GPM
WV0062766	001	2003 to 2004	LAB	47.5	86.66666667	GPM
WV0062766	006	2003 to 2004	LAB	4.9	7	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0062766	011	2003 to 2004	LAB	45	62	GPM
WV0062766	012	2003 to 2004	LAB	6040	7160	GPM
WV0062766	016	2003 to 2004	LAB	15	30	GPM
WV0062766	017	2003 to 2004	LAB	4.7075	6.25	GPM
WV0062766	018	2003 to 2004	LAB	25	50	GPM
WV0062766	020	2003 to 2004	LAB	43.5	60	GPM
WV0062766	024	2003 to 2004	LAB	23.8	36	GPM
WV0062766	DNUTT	2003 to 2004	LAB	6816.666667	8200	GPM
WV0062766	DNUTT2	2003 to 2004	LAB	368.8333333	543.3333333	GPM
WV0062766	DS016	2003 to 2004	LAB	35	60	GPM
WV0062766	DS019	2003 to 2004	LAB	108.3333333	150	GPM
WV0062766	DSGC	2003 to 2004	LAB	242.5	386.6666667	GPM
WV0062766	DSGR	2003 to 2004	LAB	369.1666667	591.6666667	GPM
WV0062766	DSGY	2003 to 2004	LAB	555.8333333	886.6666667	GPM
WV0062766	GW-2	2003 to 2004	LAB	3	3	GPM
WV0062766	UPUTT	2003 to 2004	LAB	212.5	333.3333333	GPM
WV0062766	UPUTT2	2003 to 2004	LAB	246.11	500	GPM
WV0062766	US016	2003 to 2004	LAB	35	60	GPM
WV0062766	USGC	2003 to 2004	LAB	226.9433333	333.3333333	GPM
WV0062766	USGR	2003 to 2004	LAB	329.1666667	533.3333333	GPM
WV0062766	USGY	2003 to 2004	LAB	525	833.3333333	GPM
WV0062910	001	2003 to 2004	LAB	17.77083333	21.70833333	GPM
WV0062910	001	2004 to 2005	LAB	22.05555556	28.33333333	GPM
WV0062910	003	2003 to 2004	LAB	354.1666667	358.3333333	GPM
WV0062910	003	2004 to 2005	LAB	505.5555556	533.3333333	GPM
WV0062961	001	2003 to 2004	LAB	23.58333333	30.33333333	GPM
WV0062961	001	2004 to 2005	LAB	6.416666667	8.833333333	GPM
WV0062961	002	2003 to 2004	LAB	6.75	7.4	GPM
WV0062961	002	2004 to 2005	LAB	8.682727273	11.27363636	GPM
WV0063355	007	2003 to 2004	LAB	7.78125	10.625	GPM
WV0063355	007	2004 to 2005	LAB	2.958333333	3.916666667	GPM
WV0063355	008	2003 to 2004	LAB	53.64583333	68.5	GPM
WV0063355	008	2004 to 2005	LAB	30.83333333	45.16666667	GPM
WV0063355	009	2003 to 2004	LAB	4.160416667	5.833333333	GPM
WV0063355	009	2004 to 2005	LAB	1.71875	2	GPM
WV0063355	010	2003 to 2004	LAB	16.3125	21.91666667	GPM
WV0063355	010	2004 to 2005	LAB	3.604166667	4.625	GPM
WV0063355	011	2003 to 2004	LAB	31	38.41666667	GPM
WV0063355	011	2004 to 2005	LAB	9.375	12.08333333	GPM
WV0063355	013	2004 to 2005	LAB	3.5	5	GPM
WV0063355	014	2003 to 2004	LAB	25.33333333	28.88888889	GPM
WV0063355	014	2004 to 2005	LAB	12	15.33333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0063461	001	2003 to 2004	LAB	13.75	22	GPM
WV0063461	002	2003 to 2004	LAB	25	50	GPM
WV0063461	004	2003 to 2004	LAB	2062.5	2666.666667	GPM
WV0063461	004	2004 to 2005	LAB	2543.65	3630.5	GPM
WV0063461	006	2003 to 2004	LAB	875	1000	GPM
WV0063461	006	2004 to 2005	LAB	928.5714286	1000	GPM
WV0063576	001	2003 to 2004	LAB	31.375	41.66666667	GPM
WV0063576	001	2004 to 2005	LAB	29.45833333	38.5	GPM
WV0063576	002	2003 to 2004	LAB	24.54545455	34.09090909	GPM
WV0063576	002	2004 to 2005	LAB	13.86363636	17.72727273	GPM
WV0063576	003	2003 to 2004	LAB	183.75	207	GPM
WV0063576	003	2004 to 2005	LAB	178.125	193.75	GPM
WV0063576	004	2003 to 2004	LAB	32.625	42.91666667	GPM
WV0063576	004	2004 to 2005	LAB	25	26.25	GPM
WV0063932	008	2003 to 2004	LAB	307.3666667	358.6666667	GPM
WV0063932	008	2004 to 2005	LAB	319.1666667	391.6666667	GPM
WV0063932	014	2003 to 2004	LAB	105.875	123.1666667	GPM
WV0063932	014	2004 to 2005	LAB	42.04166667	53.83333333	GPM
WV0063932	015	2003 to 2004	LAB	296	353.3333333	GPM
WV0063932	015	2004 to 2005	LAB	241.1666667	299.1666667	GPM
WV0063991	001	2004 to 2005	LAB	75	150	GPM
WV0063991	006	2003 to 2004	LAB	11.785	32.5	GPM
WV0063991	006	2004 to 2005	LAB	13.835	41	GPM
WV0063991	008	2004 to 2005	LAB	1.67	5	GPM
WV0064050	001	2003 to 2004	LAB	196.25	235	GPM
WV0064262	001	2003 to 2004	LAB	25.44444444	32.22222222	GPM
WV0064262	001	2004 to 2005	LAB	74.58333333	106.6666667	GPM
WV0064262	002	2003 to 2004	LAB	15.9	18.5	GPM
WV0064262	002	2004 to 2005	LAB	17.83333333	21.08333333	GPM
WV0064262	003	2003 to 2004	LAB	503.3636364	580.5454545	GPM
WV0064262	003	2004 to 2005	LAB	565.4166667	646.9166667	GPM
WV0064262	004	2003 to 2004	LAB	6.666666667	6.666666667	GPM
WV0064262	004	2004 to 2005	LAB	4.4	6	GPM
WV0064262	007	2003 to 2004	LAB	69	83.90909091	GPM
WV0064262	007	2004 to 2005	LAB	111.6666667	131.25	GPM
WV0064475	001	2003 to 2004	LAB	24.16666667	28.33333333	GPM
WV0064556	001	2003 to 2004	LAB	3.083333333	4.083333333	GPM
WV0064556	001	2004 to 2005	LAB	1.958333333	2.333333333	GPM
WV0064556	007	2003 to 2004	LAB	0.28125	0.3	GPM
WV0064556	007	2004 to 2005	LAB	3.5	4	GPM
WV0064556	009	2003 to 2004	LAB	5.275	5.65	GPM
WV0064556	009	2004 to 2005	LAB	9.833333333	11	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0064556	012	2003 to 2004	LAB	7.75	8.5	GPM
WV0064556	012	2004 to 2005	LAB	3.375	5	GPM
WV0064556	013	2003 to 2004	LAB	5	6.25	GPM
WV0064556	013	2004 to 2005	LAB	39.29333333	51.5	GPM
WV0064556	014	2003 to 2004	LAB	3.648148111	4.555555556	GPM
WV0064556	014	2004 to 2005	LAB	10.77777778	12	GPM
WV0064556	250	2003 to 2004	LAB	484.375	503.125	GPM
WV0064556	250	2004 to 2005	LAB	245.512	388.012	GPM
WV0064572	001	2003 to 2004	LAB	9.636363636	12.09090909	GPM
WV0064572	001	2004 to 2005	LAB	5.812083333	7.9875	GPM
WV0064572	002	2003 to 2004	LAB	4.5	5.5	GPM
WV0064572	002	2004 to 2005	LAB	2.590909091	3.340909091	GPM
WV0064572	003	2003 to 2004	LAB	58.72727273	86.81818182	GPM
WV0064572	003	2004 to 2005	LAB	19.75	23.5	GPM
WV0064572	007	2003 to 2004	LAB	115.6363636	142	GPM
WV0064572	007	2004 to 2005	LAB	35.08333333	40.41666667	GPM
WV0064572	009	2003 to 2004	LAB	89.72727273	105.7272727	GPM
WV0064572	009	2004 to 2005	LAB	43.79166667	47.08333333	GPM
WV0064599	001	2003 to 2004	LAB	131.3963636	207.1927273	GPM
WV0064599	001	2004 to 2005	LAB	342.65875	528.9566667	GPM
WV0064602	001	2003 to 2004	LAB	155.1818182	274.2727273	GPM
WV0064602	001	2004 to 2005	LAB	236.3333333	316.1666667	GPM
WV0064602	002	2003 to 2004	LAB	204	815	GPM
WV0064602	003	2003 to 2004	LAB	738.8888889	1082.111111	GPM
WV0064602	003	2004 to 2005	LAB	377.2222222	504.5555556	GPM
WV0064602	005	2003 to 2004	LAB	96	142.9166667	GPM
WV0064602	005	2004 to 2005	LAB	47.45454545	70.45454545	GPM
WV0064840	004	2004 to 2005	LAB	5	5	GPM
WV0064840	005	2004 to 2005	LAB	30	30	GPM
WV0064840	006	2003 to 2004	LAB	27.3	32.8	GPM
WV0064840	006	2004 to 2005	LAB	4.642857143	7.571428571	GPM
WV0064840	007	2003 to 2004	LAB	25	25	GPM
WV0064840	007	2004 to 2005	LAB	5.5	5.5	GPM
WV0064840	009	2003 to 2004	LAB	21	25.71428571	GPM
WV0064840	009	2004 to 2005	LAB	5.875	8.125	GPM
WV0064840	010	2003 to 2004	LAB	239.7727273	286.3636364	GPM
WV0064840	010	2004 to 2005	LAB	496.6666667	567.5	GPM
WV0064840	011	2003 to 2004	LAB	235	270	GPM
WV0064840	014	2003 to 2004	LAB	1.5	2	GPM
WV0064840	014	2004 to 2005	LAB	1.25	1.5	GPM
WV0064858	001	2003 to 2004	LAB	310	320	GPM
WV0064858	001	2004 to 2005	LAB	87.36333333	100.56	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0064858	003	2003 to 2004	LAB	5.666666667	6.333333333	GPM
WV0064858	003	2004 to 2005	LAB	17.75833333	24.68333333	GPM
WV0064858	004	2003 to 2004	LAB	21.3	26.6	GPM
WV0064858	004	2004 to 2005	LAB	9.87	16.75	GPM
WV0064858	005	2003 to 2004	LAB	486.0833333	539.75	GPM
WV0064858	005	2004 to 2005	LAB	38.15818182	67.27272727	GPM
WV0064858	010	2003 to 2004	LAB	310	320	GPM
WV0064858	010	2004 to 2005	LAB	76.25	91.25	GPM
WV0064858	012	2003 to 2004	LAB	310	320	GPM
WV0064858	012	2004 to 2005	LAB	76.25	91.25	GPM
WV0064912	001	2003 to 2004	LAB	162.5	188.75	GPM
WV0064912	001	2004 to 2005	LAB	24.795	29.4675	GPM
WV0064947	004	2003 to 2004	LAB	49.58583333	73.75	GPM
WV0064947	004	2004 to 2005	LAB	50.188	62.974	GPM
WV0064955	004	2003 to 2004	LAB	25.16666667	25.16666667	GPM
WV0064955	004	2004 to 2005	LAB	25.09090909	25.18181818	GPM
WV0065005	003	2003 to 2004	LAB	77.16666667	91.66666667	GPM
WV0065005	012	2003 to 2004	LAB	76	90.41666667	GPM
WV0065005	012	2004 to 2005	LAB	92.29166667	97.5	GPM
WV0065005	DSCS12	2003 to 2004	LAB	82.5	91.66666667	GPM
WV0065005	DSCS12	2004 to 2005	LAB	108.75	117.9166667	GPM
WV0065005	DSEF10	2003 to 2004	LAB	708.3333333	708.3333333	GPM
WV0065005	DSEF10	2004 to 2005	LAB	870.8333333	870.8333333	GPM
WV0065005	USCS10	2003 to 2004	LAB	53.33333333	63.33333333	GPM
WV0065005	USCS10	2004 to 2005	LAB	79.375	85	GPM
WV0065005	USEF10	2003 to 2004	LAB	498.3333333	498.3333333	GPM
WV0065005	USEF10	2004 to 2005	LAB	704.1666667	704.1666667	GPM
WV0065137	001	2003 to 2004	LAB	214.9090909	228.5454545	GPM
WV0065137	001	2004 to 2005	LAB	7.944444444	8.777777778	GPM
WV0065137	002	2004 to 2005	LAB	41.8125	50	GPM
WV0065137	003	2003 to 2004	LAB	318.75	337.5	GPM
WV0065137	003	2004 to 2005	LAB	235.4583333	285.4166667	GPM
WV0065137	004	2003 to 2004	LAB	90.45833333	60	GPM
WV0065137	004	2004 to 2005	LAB	45.91666667	49.58333333	GPM
WV0065137	005	2003 to 2004	LAB	19.83333333	26.25	GPM
WV0065137	005	2004 to 2005	LAB	11.875	14.33333333	GPM
WV0065137	007	2004 to 2005	LAB	2.166666667	2.333333333	GPM
WV0065137	010	2004 to 2005	LAB	67.4375	84.625	GPM
WV0065218	001	2003 to 2004	LAB	8.551666667	12	GPM
WV0065218	001	2004 to 2005	LAB	5.916666667	9.083333333	GPM
WV0065234	001	2003 to 2004	LAB	23.75	27.5	GPM
WV0065234	001	2004 to 2005	LAB	15.33333333	17.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0065234	002	2003 to 2004	LAB	48.63636364	52.72727273	GPM
WV0065234	002	2004 to 2005	LAB	49.79166667	56.25	GPM
WV0065269	001	2003 to 2004	LAB	700	700	GPM
WV0065269	001	2004 to 2005	LAB	487.5	487.5	GPM
WV0065269	002	2003 to 2004	LAB	51.58333333	65.41666667	GPM
WV0065269	002	2004 to 2005	LAB	20.91666667	27.91666667	GPM
WV0065536	003	2004 to 2005	LAB	1.5	3	GPM
WV0065536	005	2004 to 2005	LAB	12.5	25	GPM
WV0065536	006	2003 to 2004	LAB	111.2083333	145.0833333	GPM
WV0065536	006	2004 to 2005	LAB	51.125	66.75	GPM
WV0065536	010	2004 to 2005	LAB	8.33	25	GPM
WV0065536	013	2004 to 2005	LAB	8.625	9.5	GPM
WV0065617	001	2003 to 2004	LAB	607.7272727	841.6363636	GPM
WV0065617	001	2004 to 2005	LAB	174.1666667	231.25	GPM
WV0065617	003	2003 to 2004	LAB	227.5454545	379.0909091	GPM
WV0065617	003	2004 to 2005	LAB	77.70833333	105	GPM
WV0065617	004	2003 to 2004	LAB	135.15	208.3	GPM
WV0065617	004	2004 to 2005	LAB	49.77272727	62.27272727	GPM
WV0065617	006	2003 to 2004	LAB	134.5	201.0909091	GPM
WV0065617	006	2004 to 2005	LAB	11.66666667	19.16666667	GPM
WV0065676	001	2003 to 2004	LAB	80	108.3333333	GPM
WV0065676	001	2004 to 2005	LAB	36	37.4	GPM
WV0065676	002	2003 to 2004	LAB	27.5	29.16666667	GPM
WV0065676	002	2004 to 2005	LAB	8.625	11.375	GPM
WV0065676	003	2003 to 2004	LAB	27.5625	34.75	GPM
WV0065676	003	2004 to 2005	LAB	3	3.5	GPM
WV0065862	001	2003 to 2004	LAB	285.4166667	341.5833333	GPM
WV0065862	001	2004 to 2005	LAB	211.7272727	326.6363636	GPM
WV0065862	003	2003 to 2004	LAB	44	63.3333333	GPM
WV0065862	003	2004 to 2005	LAB	42.3	59.5	GPM
WV0065862	004	2003 to 2004	LAB	667.3333333	900.9166667	GPM
WV0065862	004	2004 to 2005	LAB	468.5416667	615.5	GPM
WV0065862	005	2003 to 2004	LAB	7.5	15	GPM
WV0065862	006	2003 to 2004	LAB	40	80	GPM
WV0065862	006	2004 to 2005	LAB	220	350	GPM
WV0065862	009	2003 to 2004	LAB	1.5	3	GPM
WV0065862	009	2004 to 2005	LAB	5	10	GPM
WV0065889	006	2003 to 2004	LAB	73.58333333	99.25	GPM
WV0065889	006	2004 to 2005	LAB	66.83333333	97.08333333	GPM
WV0065889	007	2003 to 2004	LAB	26.83333333	39.83333333	GPM
WV0065889	007	2004 to 2005	LAB	59.83333333	86.83333333	GPM
WV0065889	008	2003 to 2004	LAB	93.5	142.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0065889	008	2004 to 2005	LAB	38.25	43.91666667	GPM
WV0065889	009	2004 to 2005	LAB	3	5	GPM
WV0065889	011	2003 to 2004	LAB	33.16666667	42.66666667	GPM
WV0065889	011	2004 to 2005	LAB	28	32.58333333	GPM
WV0065889	013	2003 to 2004	LAB	203.75	256	GPM
WV0065889	013	2004 to 2005	LAB	50.83333333	60.5	GPM
WV0065986	001	2003 to 2004	LAB	148.9583333	162.5	GPM
WV0065986	001	2004 to 2005	LAB	130.7916667	143.75	GPM
WV0065986	007	2003 to 2004	LAB		1	GPM
WV0065986	009	2003 to 2004	LAB		13.5	GPM
WV0066010	001	2003 to 2004	LAB	16.94444444	27.66666667	GPM
WV0066010	001	2004 to 2005	LAB	7.25	7.5	GPM
WV0066010	002	2003 to 2004	LAB	6.642857143	7.571428571	GPM
WV0066010	002	2004 to 2005	LAB	7.25	8	GPM
WV0066010	004	2003 to 2004	LAB	313.8888889	355.5555556	GPM
WV0066010	004	2004 to 2005	LAB	209.1666667	247.5	GPM
WV0066010	006	2003 to 2004	LAB	720.8333333	850	GPM
WV0066010	006	2004 to 2005	LAB	558.75	616.6666667	GPM
WV0066010	011	2003 to 2004	LAB	96.91666667	138.1666667	GPM
WV0066010	011	2004 to 2005	LAB	3	3	GPM
WV0066036	001	2003 to 2004	LAB	806.0183333	843.5183333	GPM
WV0066036	001	2004 to 2005	LAB	1000	1000	GPM
WV0066036	002	2003 to 2004	LAB	36.25	36.25	GPM
WV0066036	002	2004 to 2005	LAB	39.25	40	GPM
WV0066036	003	2004 to 2005	LAB	19.35	25	GPM
WV0066150	002	2003 to 2004	LAB	63.75	76	GPM
WV0066150	002	2004 to 2005	LAB	79	92.27272727	GPM
WV0066150	003	2003 to 2004	LAB	62	84.5	GPM
WV0066150	003	2004 to 2005	LAB	75.05555556	95.77777778	GPM
WV0066150	004	2004 to 2005	LAB	31.5	44	GPM
WV0066150	008	2003 to 2004	LAB	68.5	81.5	GPM
WV0066150	008	2004 to 2005	LAB	41.31818182	49	GPM
WV0066192	001	2003 to 2004	LAB	14.75	15	GPM
WV0066231	001	2003 to 2004	LAB	52.5	57.5	GPM
WV0066231	001	2004 to 2005	LAB	138.6666667	169.5833333	GPM
WV0066231	002	2004 to 2005	LAB	8	15	GPM
WV0066346	001	2003 to 2004	LAB	2.8	4.6	GPM
WV0066346	001	2004 to 2005	LAB	4	6	GPM
WV0066346	002	2003 to 2004	LAB	26.90909091	50.90909091	GPM
WV0066346	002	2004 to 2005	LAB	15.75	25.16666667	GPM
WV0066346	003	2003 to 2004	LAB	60.83333333	77.08333333	GPM
WV0066346	003	2004 to 2005	LAB	55.91666667	80	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0066371	002	2004 to 2005	LAB	23.2	28.5	GPM
WV0066567	001	2003 to 2004	LAB	1825	1825	GPM
WV0066567	001	2004 to 2005	LAB	2372.727273	2372.727273	GPM
WV0066567	002	2003 to 2004	LAB	1962.5	1962.5	GPM
WV0066567	002	2004 to 2005	LAB	2372.727273	2409.090909	GPM
WV0066630	001	2004 to 2005	LAB	33.33333333	40	GPM
WV0066630	004	2003 to 2004	LAB	85.83333333	105	GPM
WV0066630	004	2004 to 2005	LAB	41.13636364	51.81818182	GPM
WV0066630	005	2004 to 2005	LAB	16.25	22.5	GPM
WV0066630	006	2003 to 2004	LAB	293.4166667	389.1666667	GPM
WV0066630	006	2004 to 2005	LAB	3.25	3.5	GPM
WV0066656	001	2004 to 2005	LAB	833.33	2500	GPM
WV0066656	011	2003 to 2004	LAB	2770.454545	3154.545455	GPM
WV0066656	011	2004 to 2005	LAB	2416.666667	2500	GPM
WV0066656	DPF	2003 to 2004	LAB	23799.61111	30678.44444	GPM
WV0066656	DPF	2004 to 2005	LAB	26890.2	31278.6	GPM
WV0066656	UPF	2003 to 2004	LAB	14304.66667	21014	GPM
WV0066656	UPF	2004 to 2005	LAB	11451	14276.9	GPM
WV0066699	001	2003 to 2004	LAB	43.45833333	62.5	GPM
WV0066699	001	2004 to 2005	LAB	88	137.875	GPM
WV0066699	002	2004 to 2005	LAB	30	60	GPM
WV0066699	003	2003 to 2004	LAB	20.66666667	33	GPM
WV0066699	003	2004 to 2005	LAB	20.41666667	32.5	GPM
WV0066699	004	2003 to 2004	LAB	399.2775	540.3333333	GPM
WV0066699	004	2004 to 2005	LAB	519.5	648.6	GPM
WV0066699	014	2003 to 2004	LAB	83.92857143	167.8571429	GPM
WV0066699	014	2004 to 2005	LAB	253.625	346.75	GPM
WV0066699	019	2003 to 2004	LAB	67.04166667	90.33333333	GPM
WV0066699	019	2004 to 2005	LAB	75.54166667	88.33333333	GPM
WV0066699	028	2003 to 2004	LAB	991.6666667	1125	GPM
WV0066699	028	2004 to 2005	LAB	1297.291667	1508	GPM
WV0066699	029	2004 to 2005	LAB	32	37	GPM
WV0066699	032	2004 to 2005	LAB	5.5	6	GPM
WV0066699	033	2003 to 2004	LAB	247.5833333	311.8333333	GPM
WV0066699	033	2004 to 2005	LAB	273.1666667	416.75	GPM
WV0066702	015	2003 to 2004	LAB	86.58333333	146.5	GPM
WV0066702	015	2004 to 2005	LAB	108.5966667	210.6666667	GPM
WV0066702	016	2003 to 2004	LAB	26.67	80	GPM
WV0066702	021	2003 to 2004	LAB	12.5	25	GPM
WV0066702	021	2004 to 2005	LAB	40.85	63.6	GPM
WV0066711	006	2003 to 2004	LAB	542.0833333	729.1666667	GPM
WV0066711	006	2004 to 2005	LAB	433.1666667	582.0833333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0066711	007	2003 to 2004	LAB	43.61111111	57	GPM
WV0066711	007	2004 to 2005	LAB	35.1	46	GPM
WV0066711	008	2003 to 2004	LAB	17.15	21	GPM
WV0066711	008	2004 to 2005	LAB	8.777777778	12.88888889	GPM
WV0066711	011	2003 to 2004	LAB	42.45833333	57.41666667	GPM
WV0066711	011	2004 to 2005	LAB	23	29.41666667	GPM
WV0066711	012	2003 to 2004	LAB	419.125	477.5833333	GPM
WV0066711	012	2004 to 2005	LAB	640.25	779.5833333	GPM
WV0066737	001	2003 to 2004	LAB	39.08333333	47.58333333	GPM
WV0066737	001	2004 to 2005	LAB	28.66666667	31.58333333	GPM
WV0066737	041	2003 to 2004	LAB	36.9	42.8	GPM
WV0066737	041	2004 to 2005	LAB	31.91666667	35.25	GPM
WV0066770	032	2003 to 2004	LAB	2.645833333	2.958333333	GPM
WV0066770	032	2004 to 2005	LAB	3.083333333	3.583333333	GPM
WV0066842	007	2003 to 2004	LAB	1.25	2.5	GPM
WV0066842	007	2004 to 2005	LAB	4	8	GPM
WV0066842	011	2003 to 2004	LAB	17.625	19.25	GPM
WV0066842	011	2004 to 2005	LAB	8.5	13.25	GPM
WV0066842	013	2003 to 2004	LAB	13.75	14.875	GPM
WV0066842	013	2004 to 2005	LAB	9.5	14.5	GPM
WV0066842	015	2003 to 2004	LAB	10.875	13.875	GPM
WV0066842	015	2004 to 2005	LAB	8	14	GPM
WV0066885	001	2003 to 2004	LAB	54.44444444	65.55555556	GPM
WV0066885	001	2004 to 2005	LAB	121.930555	176.0833333	GPM
WV0066885	002	2003 to 2004	LAB	17.5	19.375	GPM
WV0066885	002	2004 to 2005	LAB	25.51388889	35	GPM
WV0066885	003	2003 to 2004	LAB	100.2777778	111.1111111	GPM
WV0066885	003	2004 to 2005	LAB	259.1666636	384.0909091	GPM
WV0066885	004	2003 to 2004	LAB	33.33333333	41.11111111	GPM
WV0066885	004	2004 to 2005	LAB	32.81818182	37.72727273	GPM
WV0066885	005	2003 to 2004	LAB	1500	1500	GPM
WV0066885	005	2004 to 2005	LAB	1500	1500	GPM
WV0066885	010	2003 to 2004	LAB	15	15	GPM
WV0066885	015	2003 to 2004	LAB	23.3125	28.25	GPM
WV0066885	015	2004 to 2005	LAB	29.16666667	31.25	GPM
WV0066885	016	2004 to 2005	LAB	39.64285714	40.71428571	GPM
WV0066885	018	2004 to 2005	LAB	82.29166667	87.08333333	GPM
WV0066885	DUTBC36	2004 to 2005	LAB	250	250	GPM
WV0066885	DUTBC39	2004 to 2005	LAB	354.1666667	375	GPM
WV0066885	UUTBC38	2004 to 2005	LAB	181.25	181.25	GPM
WV0066885	UUTBC40A	2004 to 2005	LAB	139.7727273	168.1818182	GPM
WV0066974	010	2003 to 2004	LAB	79.82625	128.625	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0066974	010	2004 to 2005	LAB	25.04166667	33.08333333	GPM
WV0066974	011	2003 to 2004	LAB	138.1875	167.5	GPM
WV0066974	011	2004 to 2005	LAB	113.9583333	149.6666667	GPM
WV0066974	012	2003 to 2004	LAB	55	80	GPM
WV0066974	012	2004 to 2005	LAB	11.36363636	16.18181818	GPM
WV0066974	013	2003 to 2004	LAB	133.3125	63.125	GPM
WV0066974	013	2004 to 2005	LAB	25.29166667	39.08333333	GPM
WV0066974	014	2003 to 2004	LAB	58.75	78.125	GPM
WV0066974	014	2004 to 2005	LAB	36.16666667	44	GPM
WV0067601	002	2003 to 2004	LAB	0.25	0.25	GPM
WV0067601	002	2004 to 2005	LAB	1	1	GPM
WV0067601	003	2003 to 2004	LAB	4300	5325	GPM
WV0067601	003	2004 to 2005	LAB	6200	8700	GPM
WV0067601	005	2003 to 2004	LAB	4468.181818	5545.454545	GPM
WV0067601	005	2004 to 2005	LAB	6200	8700	GPM
WV0067709	001	2003 to 2004	LAB	6.458333333	7	GPM
WV0067709	001	2004 to 2005	LAB	6.333333333	7.666666667	GPM
WV0067709	002	2003 to 2004	LAB	5.2	5.8	GPM
WV0067709	002	2004 to 2005	LAB	5.5	5.666666667	GPM
WV0067709	005	2003 to 2004	LAB	5.7	6.5	GPM
WV0067709	005	2004 to 2005	LAB	5.666666667	6.333333333	GPM
WV0067709	012	2003 to 2004	LAB	6	7.5	GPM
WV0067709	012	2004 to 2005	LAB	6120	6720	GPM
WV0067881	015	2004 to 2005	LAB	80.78888889	102.7777778	GPM
WV0067881	017	2004 to 2005	LAB	2563.838889	3577.777778	GPM
WV0067881	018	2004 to 2005	LAB	2618.055556	3577.777778	GPM
WV0067881	021	2004 to 2005	LAB	9	11.55555556	GPM
WV0067954	001	2003 to 2004	LAB	37.70833333	47.08333333	GPM
WV0067954	001	2004 to 2005	LAB	33.95833333	41.66666667	GPM
WV0067954	002	2003 to 2004	LAB	38.75	47.08333333	GPM
WV0067954	002	2004 to 2005	LAB	33.33333333	41.66666667	GPM
WV0068209	001	2003 to 2004	LAB	79.77272727	106.3636364	GPM
WV0068209	001	2004 to 2005	LAB	45	54.44444444	GPM
WV0068306	001	2003 to 2004	LAB	263.75	287.5	GPM
WV0068306	001	2004 to 2005	LAB	100.2727273	119.5454545	GPM
WV0068306	009	2003 to 2004	LAB	15.75	23	GPM
WV0068306	009	2004 to 2005	LAB	22.29166667	34.16666667	GPM
WV0068306	012	2003 to 2004	LAB	31.75	40.5	GPM
WV0068306	012	2004 to 2005	LAB	20.95833333	27.08333333	GPM
WV0068306	013	2003 to 2004	LAB	30.5	39.5	GPM
WV0068306	013	2004 to 2005	LAB	27.20833333	31.25	GPM
WV0068306	014	2003 to 2004	LAB	11.75	15.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0068306	014	2004 to 2005	LAB	8.175	11.3	GPM
WV0068306	015	2003 to 2004	LAB	37	54	GPM
WV0068306	015	2004 to 2005	LAB	34.1	39.45	GPM
WV0068306	016	2003 to 2004	LAB	43	62	GPM
WV0068306	016	2004 to 2005	LAB	37.5	44.58333333	GPM
WV0068306	018	2003 to 2004	LAB	10.15	14	GPM
WV0068306	018	2004 to 2005	LAB	7.604166667	10.16666667	GPM
WV0068306	019	2003 to 2004	LAB	29.917	43.5	GPM
WV0068306	019	2004 to 2005	LAB	19.27272727	22.54545455	GPM
WV0068462	004	2003 to 2004	LAB	31	31	GPM
WV0068462	006	2003 to 2004	LAB	19	19	GPM
WV0068462	009	2003 to 2004	LAB	27	27	GPM
WV0068462	012	2003 to 2004	LAB	44	44	GPM
WV0068462	015	2003 to 2004	LAB	32	32	GPM
WV0068471	010	2003 to 2004	LAB	43.75	48.41666667	GPM
WV0068471	017	2003 to 2004	LAB	9.0625	10.44444444	GPM
WV0068471	017	2004 to 2005	LAB	7.4	7.4	GPM
WV0068471	021	2003 to 2004	LAB	3.46875	5.0625	GPM
WV0068471	021	2004 to 2005	LAB	1	1	GPM
WV0068471	022	2003 to 2004	LAB	51.54545455	60	GPM
WV0068471	022	2004 to 2005	LAB	61.66666667	66.25	GPM
WV0068471	023	2003 to 2004	LAB	11.86363636	13.63636364	GPM
WV0068471	023	2004 to 2005	LAB	20.35714286	21.42857143	GPM
WV0068471	024	2003 to 2004	LAB		170.7	GPM
WV0068471	024	2004 to 2005	LAB	5	5	GPM
WV0068471	026	2003 to 2004	LAB	58.18181818	64.54545455	GPM
WV0068471	026	2004 to 2005	LAB	65	70	GPM
WV0068471	030	2003 to 2004	LAB	3	6.5	GPM
WV0068471	030	2004 to 2005	LAB	14.44444444	14.44444444	GPM
WV0068471	031	2003 to 2004	LAB		5	GPM
WV0068471	031	2004 to 2005	LAB	8.222222222	8.222222222	GPM
WV0068560	001	2003 to 2004	LAB	84.91666667	116	GPM
WV0068560	001	2004 to 2005	LAB	62.29166667	70.83333333	GPM
WV0068748	001	2003 to 2004	LAB	75	150	GPM
WV0068764	001	2003 to 2004	LAB	1923.5	2203.833333	GPM
WV0068764	001	2004 to 2005	LAB	2019.583333	2388.333333	GPM
WV0068764	003	2003 to 2004	LAB	500.9166667	675.8333333	GPM
WV0068764	003	2004 to 2005	LAB	398.5833333	677.75	GPM
WV0068764	005	2003 to 2004	LAB	37.75	44.75	GPM
WV0068764	005	2004 to 2005	LAB	49.83333333	64.91666667	GPM
WV0068764	014	2003 to 2004	LAB	1467	1769	GPM
WV0068764	014	2004 to 2005	LAB	836.5	1088.333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0068764	033	2003 to 2004	LAB	1	2	GPM
WV0068764	033	2004 to 2005	LAB	1	1.5	GPM
WV0069051	001	2003 to 2004	LAB	215.9090909	286.3636364	GPM
WV0069051	001	2004 to 2005	LAB	167.2916667	233.75	GPM
WV0069337	001	2003 to 2004	LAB	41.875	43.25	GPM
WV0069337	001	2004 to 2005	LAB	74.75	77	GPM
WV0069337	002	2003 to 2004	LAB	13.39666667	13.39666667	GPM
WV0069337	002	2004 to 2005	LAB	58.75	58.75	GPM
WV0069396	001	2003 to 2004	LAB	22.33333333	36.66666667	GPM
WV0069396	004	2003 to 2004	LAB	22.3125	27.125	GPM
WV0069396	004	2004 to 2005	LAB	9.333333333	16.16666667	GPM
WV0069396	005	2003 to 2004	LAB	5	10	GPM
WV0069396	005	2004 to 2005	LAB	4	8	GPM
WV0069451	001	2003 to 2004	LAB	1.8375	1.875	GPM
WV0069531	001	2003 to 2004	LAB	142.3333333	197.0833333	GPM
WV0069531	001	2004 to 2005	LAB	67.625	82.91666667	GPM
WV0069540	012	2003 to 2004	LAB	106.6666667	106.6666667	GPM
WV0069540	012	2004 to 2005	LAB	130	130	GPM
WV0069701	001	2003 to 2004	LAB	45	45	GPM
WV0069701	001	2004 to 2005	LAB	18.25	18.25	GPM
WV0069701	002	2003 to 2004	LAB	16.25	16.25	GPM
WV0069701	002	2004 to 2005	LAB	21.75	21.75	GPM
WV0069701	003	2003 to 2004	LAB	90	90	GPM
WV0069701	003	2004 to 2005	LAB	83.63666667	83.63666667	GPM
WV0069701	006	2004 to 2005	LAB	75	75	GPM
WV0069701	008	2003 to 2004	LAB	42.5	42.5	GPM
WV0069701	008	2004 to 2005	LAB	23.66666667	23.66666667	GPM
WV0090000	040	2003 to 2004	LAB	20.5	36.33333333	GPM
WV0090000	040	2004 to 2005	LAB	127.5	150	GPM
WV0090000	047	2003 to 2004	LAB	100.2727273	170.9090909	GPM
WV0090000	047	2004 to 2005	LAB	12.75	16.5	GPM
WV0090000	051	2003 to 2004	LAB	450	450	GPM
WV0090000	051	2004 to 2005	LAB	106.6666667	108.3333333	GPM
WV0090000	054	2003 to 2004	LAB	1	1	GPM
WV0090000	054	2004 to 2005	LAB	5	5	GPM
WV0090000	055	2003 to 2004	LAB	3	4.666666667	GPM
WV0090000	055	2004 to 2005	LAB	5.25	6	GPM
WV0090000	057	2003 to 2004	LAB	171.6666667	210	GPM
WV0090000	057	2004 to 2005	LAB	116.25	137.5	GPM
WV0090000	060	2003 to 2004	LAB	182.3136364	221.8181818	GPM
WV0090000	060	2004 to 2005	LAB	351.8181818	373.6363636	GPM
WV0090000	061	2003 to 2004	LAB	1	1	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0090000	061	2004 to 2005	LAB	5	5	GPM
WV0090000	065	2003 to 2004	LAB	591.6666667	600	GPM
WV0090000	065	2004 to 2005	LAB	300	300	GPM
WV0090000	067	2003 to 2004	LAB	1	1	GPM
WV0090000	067	2004 to 2005	LAB	4.25	4.25	GPM
WV0090000	068	2003 to 2004	LAB	7912.5	8100	GPM
WV0090000	068	2004 to 2005	LAB	5733.333333	6041.666667	GPM
WV0090000	069	2003 to 2004	LAB	704.1666667	755.8333333	GPM
WV0090000	069	2004 to 2005	LAB	496.0416667	554.1666667	GPM
WV0090000	075	2003 to 2004	LAB	623.89	630	GPM
WV0090000	075	2004 to 2005	LAB	518.9285714	531.4285714	GPM
WV0090026	001	2003 to 2004	LAB	9.333333333	10	GPM
WV0090026	001	2004 to 2005	LAB	8.111111111	8.444444444	GPM
WV0090042	012	2003 to 2004	LAB	121.0416667	151.6666667	GPM
WV0090042	012	2004 to 2005	LAB	168.75	175.625	GPM
WV0090042	020	2003 to 2004	LAB	225	225	GPM
WV0090042	020	2004 to 2005	LAB	90	90	GPM
WV0090051	030	2003 to 2004	LAB	185.8333333	214.5833333	GPM
WV0090051	030	2004 to 2005	LAB	297.9166667	389.1666667	GPM
WV0090051	DSPC31	2003 to 2004	LAB	6.5	8	CFS
WV0090051	USPCSB	2003 to 2004	LAB	6.5	8	CFS
WV0090131	007	2003 to 2004	LAB	30.41666667	35	GPM
WV0090131	007	2004 to 2005	LAB	54.54545455	69.09090909	GPM
WV0090255	001	2003 to 2004	LAB	80.90909091	109.0909091	GPM
WV0090255	001	2004 to 2005	LAB	115.9090909	156.3636364	GPM
WV0090255	002	2003 to 2004	LAB	58.40909091	70.45454545	GPM
WV0090255	002	2004 to 2005	LAB	78.18181818	80.90909091	GPM
WV0090255	003	2003 to 2004	LAB	60.72727273	70	GPM
WV0090255	003	2004 to 2005	LAB	89.09090909	105.4545455	GPM
WV0090344	002	2003 to 2004	LAB	12.125	14.08333333	GPM
WV0090344	002	2004 to 2005	LAB	18.5	21.88888889	GPM
WV0090344	003	2003 to 2004	LAB	20.83333333	23.16666667	GPM
WV0090344	003	2004 to 2005	LAB	25.33333333	28.44444444	GPM
WV0090379	009	2003 to 2004	LAB	21.59090909	35.09090909	GPM
WV0090379	009	2004 to 2005	LAB	4.05	4.7	GPM
WV0090484	002	2003 to 2004	LAB	75.875	93.33333333	GPM
WV0090484	002	2004 to 2005	LAB	40	46.25	GPM
WV0090492	001	2003 to 2004	LAB	155	155	GPM
WV0090492	001	2004 to 2005	LAB	121.4583333	121.4583333	GPM
WV0090492	004	2003 to 2004	LAB	65.41666667	65.41666667	GPM
WV0090492	004	2004 to 2005	LAB	78.58333333	78.58333333	GPM
WV0090492	008	2003 to 2004	LAB	115	115	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0090492	008	2004 to 2005	LAB	25.41666667	25.41666667	GPM
WV0090492	010	2003 to 2004	LAB	58.75	58.75	GPM
WV0090492	010	2004 to 2005	LAB	67.08333333	67.08333333	GPM
WV0090603	005	2003 to 2004	LAB	58.75	67.5	GPM
WV0090719	003	2003 to 2004	LAB	37.91666667	40.41666667	GPM
WV0090719	003	2004 to 2005	LAB	37.91666667	39.16666667	GPM
WV0090942	DMC	2003 to 2004	LAB	0.5	0.5	CFS
WV0090972	001	2003 to 2004	LAB	15.71428571	15.71428571	GPM
WV0090972	001	2004 to 2005	LAB	21.5	23.75	GPM
WV0090972	013	2004 to 2005	LAB	51	53	GPM
WV0091006	201	2003 to 2004	LAB	25	28.75	GPM
WV0091006	201	2004 to 2005	LAB	29	29	GPM
WV0091014	001	2003 to 2004	LAB	23.775	34.7	GPM
WV0091014	001	2004 to 2005	LAB	97.65909091	109.0909091	GPM
WV0091014	006	2003 to 2004	LAB	4.928571429	8.142857143	GPM
WV0091014	006	2004 to 2005	LAB	300.8333333	410	GPM
WV0091014	007	2003 to 2004	LAB	3.9	6.05	GPM
WV0091014	007	2004 to 2005	LAB	4.125	4.825	GPM
WV0091014	008	2003 to 2004	LAB	3.261363636	4.727272727	GPM
WV0091014	008	2004 to 2005	LAB	4.136363636	5	GPM
WV0091014	009	2003 to 2004	LAB	5	6.666666667	GPM
WV0091014	009	2004 to 2005	LAB	3.920454545	5.090909091	GPM
WV0091014	010	2003 to 2004	LAB	1.680555556	2.5	GPM
WV0091014	010	2004 to 2005	LAB	0.833333333	0.833333333	GPM
WV0091014	012	2003 to 2004	LAB	28.33333333	40.91666667	GPM
WV0091014	012	2004 to 2005	LAB	14.34375	20.58333333	GPM
WV0091014	013	2003 to 2004	LAB	5.041666667	7.125	GPM
WV0091014	013	2004 to 2005	LAB	2.527777778	3.25	GPM
WV0091014	014	2003 to 2004	LAB	400.1666667	434.5833333	GPM
WV0091014	014	2004 to 2005	LAB	165.8516667	211.75	GPM
WV0091049	001	2003 to 2004	LAB	4.005714286	40	GPM
WV0091049	001	2004 to 2005	LAB	4.066666667	8.3	GPM
WV0091189	001	2003 to 2004	LAB	12.5	15.04166667	GPM
WV0091189	001	2004 to 2005	LAB	13.79166667	18.91666667	GPM
WV0091197	004	2003 to 2004	LAB	44.88	89.76	GPM
WV0091197	005	2003 to 2004	LAB	30.83333333	36.66666667	GPM
WV0091197	005	2004 to 2005	LAB	41.86363636	49.45454545	GPM
WV0091201	007	2004 to 2005	LAB	7.875	12.41666667	GPM
WV0091324	002	2003 to 2004	LAB	123.125	145.4166667	GPM
WV0091324	002	2004 to 2005	LAB	118.1391667	147.5	GPM
WV0091324	201	2003 to 2004	LAB	58.33333333	58.33333333	GPM
WV0091324	201	2004 to 2005	LAB	132.5	132.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0091324	D-2	2003 to 2004	LAB	0.13	0.15	CFS
WV0091324	U-2	2003 to 2004	LAB	0.18	0.2	CFS
WV0091405	001	2003 to 2004	LAB	6.079545455	8.409090909	GPM
WV0091405	001	2004 to 2005	LAB	10.04545455	12.81818182	GPM
WV0091405	003	2003 to 2004	LAB	3.493055583	6.5	GPM
WV0091405	003	2004 to 2005	LAB	6.372083333	10.14583333	GPM
WV0091405	005	2003 to 2004	LAB	73.3125	110.25	GPM
WV0091405	005	2004 to 2005	LAB	69.16666667	82.91666667	GPM
WV0091499	001	2004 to 2005	LAB	0.5861	0.5861	GPM
WV0091901	001	2003 to 2004	LAB	11.875	14.16666667	GPM
WV0091901	001	2004 to 2005	LAB	13.38888889	16	GPM
WV0091901	015	2003 to 2004	LAB	8.625	10.375	GPM
WV0091901	015	2004 to 2005	LAB	6.777777778	8.444444444	GPM
WV0091952	004	2003 to 2004	LAB	1	1	GPM
WV0091952	005	2003 to 2004	LAB	1.363636364	1.545454545	GPM
WV0091952	005	2004 to 2005	LAB	2.875	3.25	GPM
WV0091952	011	2003 to 2004	LAB	2.05	2.3	GPM
WV0091952	011	2004 to 2005	LAB	3.3125	3.75	GPM
WV0091952	012	2003 to 2004	LAB	7287.5	8158.333333	GPM
WV0091952	012	2004 to 2005	LAB	11333.33333	12416.66667	GPM
WV0091952	DSDFO2	2003 to 2004	LAB	38666.66667	50333.33333	GPM
WV0091952	DSDFO2	2004 to 2005	LAB	32875	35666.66667	GPM
WV0091952	DSJFO8	2003 to 2004	LAB	1316.666667	1366.666667	GPM
WV0091952	DSJFO8	2004 to 2005	LAB	1591.666667	1708.333333	GPM
WV0091952	USDF01	2003 to 2004	LAB	21895	37379.33333	GPM
WV0091952	USDF01	2004 to 2005	LAB	19427.91667	23624.58333	GPM
WV0091952	USJFO7	2003 to 2004	LAB	925	933.3333333	GPM
WV0091952	USJFO7	2004 to 2005	LAB	1408.333333	1525	GPM
WV0092142	003	2003 to 2004	LAB	14.6875	17.5	GPM
WV0092142	003	2004 to 2005	LAB	16.35	20.5	GPM
WV0092142	DSS	2003 to 2004	LAB	4.55	4.8	CFS
WV0092142	UNS	2003 to 2004	LAB	4	4	CFS
WV0092142	USS	2003 to 2004	LAB	0.55	0.8	CFS
WV0092398	001	2003 to 2004	LAB	5.375	5.95	GPM
WV0092398	001	2004 to 2005	LAB	2.770833333	3	GPM
WV0092398	002	2003 to 2004	LAB	1.277777778	1.5	GPM
WV0092398	002	2004 to 2005	LAB	1.111111111	1.166666667	GPM
WV0092649	001	2003 to 2004	LAB	113.7083333	130.4166667	GPM
WV0092649	001	2004 to 2005	LAB	145.7083333	200	GPM
WV0092649	002	2004 to 2005	LAB	27.35714286	41.42857143	GPM
WV0092649	003	2004 to 2005	LAB	85.77272727	106.5454545	GPM
WV0092649	019	2003 to 2004	LAB	2	2	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0092649	020	2003 to 2004	LAB	3	3	GPM
WV0092649	021	2003 to 2004	LAB	2	2	GPM
WV0092649	021	2004 to 2005	LAB	2.5	3	GPM
WV0092649	022	2003 to 2004	LAB	2	2	GPM
WV0092649	023	2003 to 2004	LAB	2	2	GPM
WV0092649	023	2004 to 2005	LAB	3	3	GPM
WV0092649	026	2004 to 2005	LAB	3.5	4.5	GPM
WV0092649	029	2003 to 2004	LAB	3	3	GPM
WV0092649	030	2003 to 2004	LAB	4	4	GPM
WV0092649	031	2003 to 2004	LAB	2	2	GPM
WV0092649	032	2003 to 2004	LAB	3	3	GPM
WV0092649	034	2003 to 2004	LAB	3	3	GPM
WV0092797	001	2003 to 2004	LAB	155	167.2727273	GPM
WV0092797	001	2004 to 2005	LAB	65.625	100.4166667	GPM
WV0092797	006	2003 to 2004	LAB	8.142857143	12.57142857	GPM
WV0092797	006	2004 to 2005	LAB	52.60333333	69.54	GPM
WV0092835	003	2003 to 2004	LAB	1630.916667	2419.166667	GPM
WV0092835	003	2004 to 2005	LAB	526.5	695.4545455	GPM
WV0092860	DSB	2003 to 2004	LAB	0.965	1.325	CFS
WV0092860	DSB	2004 to 2005	LAB	0.711666667	1.058333333	CFS
WV0093041	001	2003 to 2004	LAB	11.75	13	GPM
WV0093050	005	2003 to 2004	LAB	18.125	19.58333333	GPM
WV0093050	005	2004 to 2005	LAB	14.79166667	16.66666667	GPM
WV0093050	007	2003 to 2004	LAB	7.25	11.5	GPM
WV0093050	007	2004 to 2005	LAB	8.222222222	12.77777778	GPM
WV0093050	010	2003 to 2004	LAB	3.3	5.4	GPM
WV0093050	010	2004 to 2005	LAB	1.857142857	3.428571429	GPM
WV0093050	025	2003 to 2004	LAB	9.041666667	11.83333333	GPM
WV0093050	025	2004 to 2005	LAB	7.642857143	10.71428571	GPM
WV0093050	027	2003 to 2004	LAB	1.5	3	GPM
WV0093050	027	2004 to 2005	LAB	4.666666667	9.333333333	GPM
WV0093050	035	2003 to 2004	LAB	7.333333333	12.22222222	GPM
WV0093050	035	2004 to 2005	LAB	4.714285714	8.714285714	GPM
WV0093050	043	2003 to 2004	LAB	14.04545455	20.45454545	GPM
WV0093050	043	2004 to 2005	LAB	12.38888889	17	GPM
WV0093076	003	2003 to 2004	LAB	31.95833333	44.66666667	GPM
WV0093076	003	2004 to 2005	LAB	22.70833333	31.75	GPM
WV0093076	006	2003 to 2004	LAB	28.20454545	33	GPM
WV0093076	006	2004 to 2005	LAB	1.375	1.8	GPM
WV0093122	001	2003 to 2004	LAB	30.14285714	36.28571429	GPM
WV0093122	001	2004 to 2005	LAB	12.5	12.5	GPM
WV0093122	003	2003 to 2004	LAB	264.3636364	280.3636364	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0093122	003	2004 to 2005	LAB	55.45833333	62.91666667	GPM
WV0093122	004	2003 to 2004	LAB	172.4	232.6	GPM
WV0093122	004	2004 to 2005	LAB	24.375	26.25	GPM
WV0093122	005	2003 to 2004	LAB	125	134	GPM
WV0093122	005	2004 to 2005	LAB	28.83333333	35.41666667	GPM
WV0093165	001	2003 to 2004	LAB	58.07142857	92.85714286	GPM
WV0093165	001	2004 to 2005	LAB	116	200	GPM
WV0093165	002	2003 to 2004	LAB	275.25	314.5833333	GPM
WV0093165	002	2004 to 2005	LAB	306.1363636	392.7272727	GPM
WV0093165	003	2003 to 2004	LAB	17.2225	20.83333333	GPM
WV0093165	003	2004 to 2005	LAB	15.90909091	17.72727273	GPM
WV0093211	001	2003 to 2004	LAB	23.75	23.75	GPM
WV0093211	001	2004 to 2005	LAB	200	200	GPM
WV0093211	002	2003 to 2004	LAB	13.75	15	GPM
WV0093211	003	2004 to 2005	LAB	20	20	GPM
WV0093211	004	2003 to 2004	LAB	486.3636364	590.9090909	GPM
WV0093211	004	2004 to 2005	LAB	5.5	5.5	GPM
WV0093211	005	2003 to 2004	LAB	472.4285714	640.7142857	GPM
WV0093211	010	2003 to 2004	LAB	750	925	GPM
WV0093211	010	2004 to 2005	LAB	631.45	850	GPM
WV0093211	016	2004 to 2005	LAB	251.25	348.75	GPM
WV0093211	017	2004 to 2005	LAB	2025	2250	GPM
WV0093319	002	2003 to 2004	LAB	250.5833333	428.3333333	GPM
WV0093319	002	2004 to 2005	LAB	17.41666667	23.08333333	GPM
WV0093319	006	2003 to 2004	LAB	414.3333333	510	GPM
WV0093319	006	2004 to 2005	LAB	234.0833333	279.8333333	GPM
WV0093319	049	2003 to 2004	LAB	12.18181818	19.63636364	GPM
WV0093319	049	2004 to 2005	LAB	8.75	11.875	GPM
WV0093505	004	2003 to 2004	LAB	282.5	412.5	GPM
WV0093505	004	2004 to 2005	LAB	591.6666667	708.3333333	GPM
WV0093505	005	2003 to 2004	LAB	150	300	GPM
WV0093505	006	2003 to 2004	LAB	981.25	1229.166667	GPM
WV0093505	006	2004 to 2005	LAB	1375	1558.333333	GPM
WV0093505	008	2003 to 2004	LAB	15.58333333	23.91666667	GPM
WV0093505	008	2004 to 2005	LAB	5.5	7.75	GPM
WV0093505	009	2003 to 2004	LAB	45.75	66.91666667	GPM
WV0093505	009	2004 to 2005	LAB	125.9166667	211.8333333	GPM
WV0093505	010	2003 to 2004	LAB	1002.083333	954.1666667	GPM
WV0093505	010	2004 to 2005	LAB	1003.083333	1216.666667	GPM
WV0093505	011	2003 to 2004	LAB	1470.833333	1975	GPM
WV0093505	011	2004 to 2005	LAB	1325	1550	GPM
WV0093505	012	2003 to 2004	LAB	48.75	64.41666667	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0093505	012	2004 to 2005	LAB	89	130.5454545	GPM
WV0093505	013	2003 to 2004	LAB	10.25	15.41666667	GPM
WV0093505	013	2004 to 2005	LAB	19.375	30.875	GPM
WV0093505	016	2003 to 2004	LAB	2307.3	3128.090909	GPM
WV0093505	016	2004 to 2005	LAB	930.0833333	1211.833333	GPM
WV0093505	019	2003 to 2004	LAB	14.18181818	23.27272727	GPM
WV0093505	019	2004 to 2005	LAB	2.4	3.3	GPM
WV0093505	021	2003 to 2004	LAB	4.594166667	8	GPM
WV0093505	021	2004 to 2005	LAB	1.333333333	1.888888889	GPM
WV0093505	022	2003 to 2004	LAB	13.57142857	24.85714286	GPM
WV0093505	022	2004 to 2005	LAB	24.875	46.125	GPM
WV0093505	023	2003 to 2004	LAB	27.3	44.7	GPM
WV0093505	023	2004 to 2005	LAB	2.166666667	2.75	GPM
WV0093505	024	2003 to 2004	LAB	8.5	11.5	GPM
WV0093505	024	2004 to 2005	LAB	7	11.33333333	GPM
WV0093530	001	2003 to 2004	LAB	45	45	GPM
WV0093530	002	2003 to 2004	LAB	80	80	GPM
WV0093530	003	2003 to 2004	LAB	42.5	42.5	GPM
WV0093530	005	2003 to 2004	LAB	80	80	GPM
WV0093530	005	2004 to 2005	LAB	2	2	GPM
WV0093530	006	2003 to 2004	LAB	9.846875	17.29375	GPM
WV0093530	006	2004 to 2005	LAB	3.333333333	5	GPM
WV0093530	007	2003 to 2004	LAB	116.4	116.4	GPM
WV0093530	007	2004 to 2005	LAB	102.5	102.5	GPM
WV0093530	013	2003 to 2004	LAB	32.05555556	38.88888889	GPM
WV0093530	013	2004 to 2005	LAB	15.9	20.4	GPM
WV0093530	016	2003 to 2004	LAB	2.777777778	4.472222222	GPM
WV0093530	016	2004 to 2005	LAB	1	1	GPM
WV0093530	017	2003 to 2004	LAB	49.375	56.25	GPM
WV0093530	017	2004 to 2005	LAB	14.625	20.875	GPM
WV0093530	019	2003 to 2004	LAB	0.925	1.14	GPM
WV0093530	019	2004 to 2005	LAB	1.9	2.2	GPM
WV0093530	021	2003 to 2004	LAB	24.90740778	32	GPM
WV0093530	021	2004 to 2005	LAB	10.55	12.8	GPM
WV0093530	022	2003 to 2004	LAB	11	13	GPM
WV0093530	022	2004 to 2005	LAB	3.333333333	3.333333333	GPM
WV0093548	001	2003 to 2004	LAB	39.5	59	GPM
WV0093548	002	2003 to 2004	LAB	105.4633333	144.4444444	GPM
WV0093548	002	2004 to 2005	LAB	124.8333333	164.6666667	GPM
WV0093556	001	2003 to 2004	LAB	2419.908333	3346.266667	GPM
WV0093556	001	2004 to 2005	LAB	3212.016667	3552.058333	GPM
WV0093556	003	2003 to 2004	LAB	56.34	77.35	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0093556	003	2004 to 2005	LAB	51.95833333	80.24166667	GPM
WV0093556	004	2003 to 2004	LAB	57.09	107.23	GPM
WV0093556	004	2004 to 2005	LAB	21.28333333	38.96666667	GPM
WV0093556	005	2003 to 2004	LAB	28.1875	52.9375	GPM
WV0093556	005	2004 to 2005	LAB	10.1875	20.2375	GPM
WV0093751	003	2003 to 2004	LAB	1326.166667	1589.5	GPM
WV0093751	003	2004 to 2005	LAB	3880.909091	5036.636364	GPM
WV0093751	005	2003 to 2004	LAB	846.0833333	1066.083333	GPM
WV0093751	005	2004 to 2005	LAB	2773.833333	2998	GPM
WV0093751	006	2003 to 2004	LAB	516.8333333	953.1666667	GPM
WV0093751	019	2003 to 2004	LAB	661.5	866.5	GPM
WV0093751	026	2003 to 2004	LAB	2396.083333	3017	GPM
WV0093751	026	2004 to 2005	LAB	6750	7620.583333	GPM
WV0093751	042	2003 to 2004	LAB	499.3333333	650.8333333	GPM
WV0093751	042	2004 to 2005	LAB	1304.25	1438.5	GPM
WV0093751	DSTF	2004 to 2005	LAB	11589.5	11974.5	GPM
WV0093840	010	2003 to 2004	LAB		3	GPM
WV0093874	DSDC	2003 to 2004	LAB	5.65	5.9	CFS
WV0093874	USDC	2003 to 2004	LAB	4.25	5.4	CFS
WV0093912	001	2003 to 2004	LAB	58.4375	68.75	GPM
WV0093912	001	2004 to 2005	LAB	52.1875	57.5	GPM
WV0093912	002	2003 to 2004	LAB	74.875	95	GPM
WV0093912	002	2004 to 2005	LAB	136.6666667	172.5	GPM
WV0093912	003	2003 to 2004	LAB	115	115	GPM
WV0093912	003	2004 to 2005	LAB	30	30	GPM
WV0093912	004	2003 to 2004	LAB	1135.416667	1245.833333	GPM
WV0093912	004	2004 to 2005	LAB	1452.083333	1650	GPM
WV0093912	005	2003 to 2004	LAB	30.71428571	33.57142857	GPM
WV0093912	005	2004 to 2005	LAB	65.83333333	95	GPM
WV0093912	006	2003 to 2004	LAB	30.5	36.5	GPM
WV0093912	006	2004 to 2005	LAB	23	26	GPM
WV0093912	007	2003 to 2004	LAB	1175	1283.333333	GPM
WV0093912	007	2004 to 2005	LAB	1686.363636	1995.454545	GPM
WV0093912	012	2003 to 2004	LAB	55.83333333	64.58333333	GPM
WV0093912	012	2004 to 2005	LAB	106.2083333	157.0833333	GPM
WV0093912	013	2003 to 2004	LAB	453.75	512.5	GPM
WV0093912	013	2004 to 2005	LAB	760	895.8333333	GPM
WV0093912	014	2003 to 2004	LAB	77.5	91.66666667	GPM
WV0093912	014	2004 to 2005	LAB	160.625	177.5	GPM
WV0093912	018	2003 to 2004	LAB	22	26	GPM
WV0093912	018	2004 to 2005	LAB	32.5	40	GPM
WV0093912	020	2004 to 2005	LAB	241.6666667	266.6666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0093912	021	2003 to 2004	LAB	25.71428571	27.14285714	GPM
WV0093912	021	2004 to 2005	LAB	46.875	51.25	GPM
WV0093912	022	2003 to 2004	LAB	52.91666667	62.5	GPM
WV0093912	022	2004 to 2005	LAB	67.70833333	76.66666667	GPM
WV0093912	023	2003 to 2004	LAB	35	35	GPM
WV0093912	023	2004 to 2005	LAB	10	10	GPM
WV0093912	030	2003 to 2004	LAB	16	22	GPM
WV0093912	030	2004 to 2005	LAB	21.25	22.5	GPM
WV0093912	033	2003 to 2004	LAB	76.625	100.8333333	GPM
WV0093912	033	2004 to 2005	LAB	153.75	183.3333333	GPM
WV0093912	034	2003 to 2004	LAB	26.81818182	30.90909091	GPM
WV0093912	034	2004 to 2005	LAB	27.87909091	39.09090909	GPM
WV0093912	041	2003 to 2004	LAB	15.5	21.42857143	GPM
WV0093912	041	2004 to 2005	LAB	10.375	11.5	GPM
WV0093929	004	2003 to 2004	LAB	594.5833333	681.6666667	GPM
WV0093929	004	2004 to 2005	LAB	918.75	1116.666667	GPM
WV0093929	005	2003 to 2004	LAB	33.33333333	34.16666667	GPM
WV0093929	005	2004 to 2005	LAB	50	50	GPM
WV0093929	006	2003 to 2004	LAB	16.25	16.25	GPM
WV0093929	012	2003 to 2004	LAB	627.0833333	720.8333333	GPM
WV0093929	012	2004 to 2005	LAB	752.9166667	998.75	GPM
WV0093929	015	2003 to 2004	LAB	1737.5	1900	GPM
WV0093929	015	2004 to 2005	LAB	2050.694167	2270.833333	GPM
WV0093929	017	2003 to 2004	LAB	600	600	GPM
WV0093929	017	2004 to 2005	LAB	25	25	GPM
WV0093929	038	2003 to 2004	LAB	189.5833333	216.6666667	GPM
WV0093929	038	2004 to 2005	LAB	235	283.3333333	GPM
WV0093929	040	2003 to 2004	LAB	36.875	45	GPM
WV0093929	040	2004 to 2005	LAB	65.29166667	85.41666667	GPM
WV0093929	041	2003 to 2004	LAB	89.58333333	112.5	GPM
WV0093929	041	2004 to 2005	LAB	90.20833333	122.0833333	GPM
WV0093929	044	2003 to 2004	LAB	37.5	37.5	GPM
WV0093929	044	2004 to 2005	LAB	33.33833333	33.33833333	GPM
WV0093980	001	2003 to 2004	LAB	14.29166667	17.08333333	GPM
WV0093980	001	2004 to 2005	LAB	8.416666667	10.75	GPM
WV0093980	007	2003 to 2004	LAB	76.25	62.53666667	GPM
WV0093980	007	2004 to 2005	LAB	50	53.33333333	GPM
WV0093980	008	2003 to 2004	LAB	143.75	152.0833333	GPM
WV0093980	008	2004 to 2005	LAB	129.1666667	135.4166667	GPM
WV0093980	DSUT	2004 to 2005	LAB	0.124166667	0.15	GPM
WV0094056	002	2003 to 2004	LAB	9.681818182	11.54545455	GPM
WV0094056	002	2004 to 2005	LAB	20.27272727	35.18181818	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0094056	004	2003 to 2004	LAB	3	3.8	GPM
WV0094056	004	2004 to 2005	LAB	1	1	GPM
WV0094072	002	2003 to 2004	LAB	15	15	GPM
WV0094072	002	2004 to 2005	LAB	3.5	3.5	GPM
WV0094099	001	2003 to 2004	LAB	220	357.1428571	GPM
WV0094099	001	2004 to 2005	LAB	143.8888889	202.2222222	GPM
WV0094099	002	2003 to 2004	LAB	415.5	415.5	GPM
WV0094099	002	2004 to 2005	LAB	363.2142857	414.2857143	GPM
WV0094099	003	2003 to 2004	LAB	425	425	GPM
WV0094099	003	2004 to 2005	LAB	432.1428571	503.5714286	GPM
WV0094099	004	2003 to 2004	LAB	349	417.8333333	GPM
WV0094099	004	2004 to 2005	LAB	317.9545455	384.5454545	GPM
WV0094099	005	2003 to 2004	LAB	189.4545455	245.7272727	GPM
WV0094099	005	2004 to 2005	LAB	130.625	162.5	GPM
WV0094099	DSC	2004 to 2005	LAB	5109.214286	6349.714286	GPM
WV0094099	USC	2004 to 2005	LAB	2442.071429	2956.714286	GPM
WV0094153	002	2003 to 2004	LAB	10	15	GPM
WV0094188	005	2004 to 2005	LAB	757.5	770	GPM
WV0094188	058	2004 to 2005	LAB	514.7222222	523.8888889	GPM
WV0094226	001	2003 to 2004	LAB	338.3333333	370	GPM
WV0094226	001	2004 to 2005	LAB	259	318.625	GPM
WV0094234	001	2003 to 2004	LAB	20.12181818	23.51636364	GPM
WV0094234	001	2004 to 2005	LAB	29.75	35.25	GPM
WV0094234	002	2003 to 2004	LAB	44.14363636	53.26181818	GPM
WV0094234	002	2004 to 2005	LAB	42.58333333	50.83333333	GPM
WV0094242	001	2003 to 2004	LAB	901	1001.166667	GPM
WV0094242	001	2004 to 2005	LAB	184.5833333	275.25	GPM
WV0094242	004	2003 to 2004	LAB	32.5	45	GPM
WV0094242	004	2004 to 2005	LAB	44.83333333	67.5	GPM
WV0094242	005	2003 to 2004	LAB	117.5	151.0833333	GPM
WV0094242	005	2004 to 2005	LAB	49.36363636	56.18181818	GPM
WV0094242	008	2003 to 2004	LAB	116.2	200.4	GPM
WV0094242	008	2004 to 2005	LAB	15.5	20.88888889	GPM
WV0094242	015	2003 to 2004	LAB	681.4583333	1054.666667	GPM
WV0094242	015	2004 to 2005	LAB	866.5	1250.5	GPM
WV0094242	017	2003 to 2004	LAB	17	51	GPM
WV0094242	018	2003 to 2004	LAB	12	20	GPM
WV0094251	001	2004 to 2005	LAB	50	50	GPM
WV0094251	002	2003 to 2004	LAB	287.5	287.5	GPM
WV0094251	002	2004 to 2005	LAB	273.1818182	273.1818182	GPM
WV0094269	002	2003 to 2004	LAB	878.4545455	878.4545455	GPM
WV0094269	002	2004 to 2005	LAB	827.6363636	827.6363636	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0094439	015	2003 to 2004	LAB	9.072	13.06	GPM
WV0094439	015	2004 to 2005	LAB	4	4.666666667	GPM
WV0094501	003	2003 to 2004	LAB	6.23	71.39	GPM
WV0094501	008	2003 to 2004	LAB		6.05	GPM
WV0094528	008	2003 to 2004	LAB	262.3454545	342.3272727	GPM
WV0094528	008	2004 to 2005	LAB	355.5555556	377.7777778	GPM
WV0094552	004	2003 to 2004	LAB	106.25	150	GPM
WV0094552	004	2004 to 2005	LAB	41.58333333	53.33333333	GPM
WV0094552	DBJ	2003 to 2004	LAB	5160.333333	5973.666667	GPM
WV0094552	DBJ	2004 to 2005	LAB	3792.590909	4843.363636	GPM
WV0094625	001	2003 to 2004	LAB	0.75	0.75	GPM
WV0094625	001	2004 to 2005	LAB	3	3	GPM
WV0094625	002	2003 to 2004	LAB	3.5	3.5	GPM
WV0094625	002	2004 to 2005	LAB	2	2	GPM
WV0094650	003	2003 to 2004	LAB	5	10	GPM
WV0094650	003	2004 to 2005	LAB	20	20	GPM
WV0094650	005	2004 to 2005	LAB	25	26.66666667	GPM
WV0094650	006	2004 to 2005	LAB	11.66666667	13.33333333	GPM
WV0094650	010	2003 to 2004	LAB	17.04545455	21.81818182	GPM
WV0094650	010	2004 to 2005	LAB	19.04166667	23.75	GPM
WV0094650	012	2004 to 2005	LAB	12.125	12.5	GPM
WV0094650	013	2003 to 2004	LAB	6.666666667	10	GPM
WV0094650	013	2004 to 2005	LAB	12.5	16	GPM
WV0094650	016	2003 to 2004	LAB	5	10	GPM
WV0094650	016	2004 to 2005	LAB	16.66666667	16.66666667	GPM
WV0094650	019	2004 to 2005	LAB	1	1	GPM
WV0094650	020	2003 to 2004	LAB	5	10	GPM
WV0094650	020	2004 to 2005	LAB	13.5	15	GPM
WV0094650	021	2004 to 2005	LAB	1	1	GPM
WV0094650	022	2003 to 2004	LAB	9.8	12.5	GPM
WV0094650	022	2004 to 2005	LAB	10.375	12.25	GPM
WV0094650	023	2004 to 2005	LAB	5	5	GPM
WV0094650	024	2003 to 2004	LAB	12.25	14.18181818	GPM
WV0094650	024	2004 to 2005	LAB	9.071428571	9.428571429	GPM
WV0094668	002	2004 to 2005	LAB	8	8	GPM
WV0094668	008	2003 to 2004	LAB	264.375	367.0833333	GPM
WV0094668	008	2004 to 2005	LAB	107.0833333	121.6666667	GPM
WV0094668	009	2003 to 2004	LAB	244.1666667	321.6666667	GPM
WV0094668	009	2004 to 2005	LAB	119	141.2916667	GPM
WV0094668	011	2003 to 2004	LAB	191.875	258.75	GPM
WV0094668	011	2004 to 2005	LAB	58.75	67.5	GPM
WV0094668	015	2003 to 2004	LAB	577.0833333	733.3333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0094668	015	2004 to 2005	LAB	472.9166667	562.5	GPM
WV0094668	017	2003 to 2004	LAB	102.7083333	135.5	GPM
WV0094668	017	2004 to 2005	LAB	49.77777778	61.44444444	GPM
WV0094668	021	2003 to 2004	LAB	55.33333333	63.83333333	GPM
WV0094668	021	2004 to 2005	LAB	14.6	14.6	GPM
WV0094668	025	2004 to 2005	LAB	35	35	GPM
WV0094684	002	2004 to 2005	LAB	2.5	5	GPM
WV0094684	006	2003 to 2004	LAB	2.833333333	4.5	GPM
WV0094684	006	2004 to 2005	LAB	2.833333333	5	GPM
WV0094684	009	2003 to 2004	LAB	3.166666667	5.333333333	GPM
WV0094684	009	2004 to 2005	LAB	3	6	GPM
WV0094684	011	2003 to 2004	LAB	10	15	GPM
WV0094684	011	2004 to 2005	LAB	9.166666667	15	GPM
WV0094692	001	2003 to 2004	LAB	169.5833333	177.3333333	GPM
WV0094692	001	2004 to 2005	LAB	139.5	144	GPM
WV0094706	008	2003 to 2004	LAB	57.75	66.58333333	GPM
WV0094706	008	2004 to 2005	LAB	50.66666667	59.83333333	GPM
WV0094706	014	2003 to 2004	LAB	16.08333333	20	GPM
WV0094706	014	2004 to 2005	LAB	175.0833333	330.8333333	GPM
WV0094749	001	2003 to 2004	LAB	22.27272727	24.90909091	GPM
WV0094749	001	2004 to 2005	LAB	17.08333333	19.08333333	GPM
WV0094749	002	2003 to 2004	LAB	3	4	GPM
WV0094749	002	2004 to 2005	LAB	3	3	GPM
WV0094749	003	2003 to 2004	LAB	10.16666667	11.33333333	GPM
WV0094749	003	2004 to 2005	LAB	8.363636364	9.090909091	GPM
WV0094773	002	2003 to 2004	LAB	4	4	GPM
WV0094773	002	2004 to 2005	LAB	6	6	GPM
WV0094773	003	2003 to 2004	LAB	12	12	GPM
WV0094773	003	2004 to 2005	LAB	5	5	GPM
WV0094773	005	2003 to 2004	LAB	18.83333333	20.25	GPM
WV0094773	005	2004 to 2005	LAB	10.5	12.41666667	GPM
WV0094773	007	2004 to 2005	LAB	12	12	GPM
WV0094773	009	2003 to 2004	LAB	9	11.66666667	GPM
WV0094773	009	2004 to 2005	LAB	8.272727273	10.09090909	GPM
WV0094781	001	2003 to 2004	LAB	19.16666667	21	GPM
WV0094781	001	2004 to 2005	LAB	14.58333333	16.16666667	GPM
WV0094781	002	2003 to 2004	LAB	3.333333333	4.333333333	GPM
WV0094781	002	2004 to 2005	LAB	6	6	GPM
WV0094781	003	2003 to 2004	LAB	17.25	20.5	GPM
WV0094781	003	2004 to 2005	LAB	12.45454545	15	GPM
WV0094781	DUTDR	2003 to 2004	LAB	87.55555556	99.44444444	GPM
WV0094781	DUTDR	2004 to 2005	LAB	66.66666667	78.75	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0094781	UUTDR	2003 to 2004	LAB	32.5	37.125	GPM
WV0094781	UUTDR	2004 to 2005	LAB	20.58333333	22.58333333	GPM
WV0094790	001	2003 to 2004	LAB	12.45833333	15.08333333	GPM
WV0094790	001	2004 to 2005	LAB	7.388888889	8.222222222	GPM
WV0094790	002	2003 to 2004	LAB	12.625	14.375	GPM
WV0094790	002	2004 to 2005	LAB	9.075	10.7	GPM
WV0094790	003	2003 to 2004	LAB	6.958333333	9.833333333	GPM
WV0094790	003	2004 to 2005	LAB	8.9375	10.125	GPM
WV0094871	001	2003 to 2004	LAB	20.55555556	27.77777778	GPM
WV0094871	001	2004 to 2005	LAB	14.58333333	15.41666667	GPM
WV0094889	002	2003 to 2004	LAB	140.9583333	171.7916667	GPM
WV0094889	002	2004 to 2005	LAB	154.625	188.25	GPM
WV0094889	005	2003 to 2004	LAB	96.04166667	126.25	GPM
WV0094889	005	2004 to 2005	LAB	110.75	138.5	GPM
WV0094889	006	2003 to 2004	LAB	91.45833333	113.3333333	GPM
WV0094889	006	2004 to 2005	LAB	94.5	120.6	GPM
WV0094889	014	2004 to 2005	LAB	10	10	GPM
WV0094889	015	2004 to 2005	LAB	56.25	58	GPM
WV0094889	016	2003 to 2004	LAB	33	46.0625	GPM
WV0094889	016	2004 to 2005	LAB	64.85714286	87.28571429	GPM
WV0094889	017	2003 to 2004	LAB	61.95454545	86.36363636	GPM
WV0094889	017	2004 to 2005	LAB	55.55	84.8	GPM
WV0094889	019	2003 to 2004	LAB	6.107142857	9.642857143	GPM
WV0094889	019	2004 to 2005	LAB	87.22222222	105.5555556	GPM
WV0094889	021	2003 to 2004	LAB	32.70833333	41.04166667	GPM
WV0094889	021	2004 to 2005	LAB	44.29166667	60.08333333	GPM
WV0094901	001	2003 to 2004	LAB	98.33333333	115.4166667	GPM
WV0094901	001	2004 to 2005	LAB	90.41666667	108.3333333	GPM
WV0094901	003	2003 to 2004	LAB	86.66666667	103.3333333	GPM
WV0094901	003	2004 to 2005	LAB	75.16666667	95	GPM
WV0095036	001	2003 to 2004	LAB	5.25	7.5	GPM
WV0095061	001	2003 to 2004	LAB	33.75	37.5	GPM
WV0095061	001	2004 to 2005	LAB	25	25	GPM
WV0095061	002	2003 to 2004	LAB	49.44444444	50	GPM
WV0095061	002	2004 to 2005	LAB	50	50	GPM
WV0095061	003	2003 to 2004	LAB	28.05555556	34.44444444	GPM
WV0095061	003	2004 to 2005	LAB	24.58333333	33.33333333	GPM
WV0095206	002	2003 to 2004	LAB	3.125	3.75	GPM
WV0095206	002	2004 to 2005	LAB	1.666666667	1.666666667	GPM
WV0095206	WL-3	2003 to 2004	LAB	552.0454545	583.1818182	GPM
WV0095206	WL-3	2004 to 2005	LAB	367.9772727	397.6363636	GPM
WV0095311	001	2003 to 2004	LAB	240.9090909	259.0909091	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0095311	001	2004 to 2005	LAB	187.5	212.5	GPM
WV0095311	002	2003 to 2004	LAB	37.59375	40	GPM
WV0095311	002	2004 to 2005	LAB	27.8125	30.25	GPM
WV0095311	DUWR-1	2003 to 2004	LAB	0.389901	0.557002	CFS
WV0095311	UUWR-2	2003 to 2004	LAB	0.06684	0.1114	CFS
WV0095567	001	2003 to 2004	LAB	140.9090909	177.2727273	GPM
WV0095567	001	2004 to 2005	LAB	107.2916667	122.9166667	GPM
WV0095567	002	2003 to 2004	LAB	135.4545455	170.9090909	GPM
WV0095567	002	2004 to 2005	LAB	107.2916667	122.9166667	GPM
WV0095583	001	2003 to 2004	LAB	292.2272727	354.4818182	GPM
WV0095583	001	2004 to 2005	LAB	537.4875	683.3416667	GPM
WV0095583	002	2003 to 2004	LAB	13.64444444	22.05555556	GPM
WV0095583	002	2004 to 2005	LAB	27.52636364	50.71272727	GPM
WV0095583	003	2003 to 2004	LAB	9.5	15.33333333	GPM
WV0095583	005	2003 to 2004	LAB	28.33333333	40	GPM
WV0095699	002	2004 to 2005	LAB	25	25	GPM
WV0095699	003	2003 to 2004	LAB	56.5	98.75	GPM
WV0095699	003	2004 to 2005	LAB	30	30	GPM
WV0095699	005	2003 to 2004	LAB	5.333333333	8.666666667	GPM
WV0095699	005	2004 to 2005	LAB	20	20	GPM
WV0095699	007	2004 to 2005	LAB	50	50	GPM
WV0095711	001	2003 to 2004	LAB	9.111111111	10.33333333	GPM
WV0095711	001	2004 to 2005	LAB	5	5	GPM
WV0095711	002	2003 to 2004	LAB	9.875	11	GPM
WV0095711	002	2004 to 2005	LAB	4.666666667	4.666666667	GPM
WV0095711	004	2003 to 2004	LAB	33.58333333	41.5	GPM
WV0095711	004	2004 to 2005	LAB	34.91666667	41.08333333	GPM
WV0095711	006	2003 to 2004	LAB	5.285714286	7.285714286	GPM
WV0095711	006	2004 to 2005	LAB	3.333333333	3.666666667	GPM
WV0095711	007	2003 to 2004	LAB	11.2	13.9	GPM
WV0095711	007	2004 to 2005	LAB	10.16666667	11.41666667	GPM
WV0095711	008	2003 to 2004	LAB	150.5	150.5	GPM
WV0095711	009	2003 to 2004	LAB	9.166666667	10.91666667	GPM
WV0095711	009	2004 to 2005	LAB	11.2	13.9	GPM
WV0095711	010	2003 to 2004	LAB	12.8	14.2	GPM
WV0095711	010	2004 to 2005	LAB	18.5	22.16666667	GPM
WV0095753	007	2004 to 2005	LAB	397.5	526.5	GPM
WV0095788	001	2003 to 2004	LAB	54.65454545	69.54545455	GPM
WV0095788	001	2004 to 2005	LAB	103.125	109.5833333	GPM
WV0095788	002	2003 to 2004	LAB	117.9545455	125.4545455	GPM
WV0095788	002	2004 to 2005	LAB	90.5	114	GPM
WV0095788	004	2004 to 2005	LAB	80	80	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0095788	006	2003 to 2004	LAB	21.54545455	31.45454545	GPM
WV0095788	006	2004 to 2005	LAB	54.54545455	56.81818182	GPM
WV0095788	007	2003 to 2004	LAB	33.75	50	GPM
WV0095788	007	2004 to 2005	LAB	51.13636364	53.18181818	GPM
WV0095788	008	2003 to 2004	LAB	377.0454545	411.8181818	GPM
WV0095788	008	2004 to 2005	LAB	124.7727273	133.1818182	GPM
WV0095788	009	2003 to 2004	LAB	49.25	62	GPM
WV0095788	009	2004 to 2005	LAB	71.13636364	77.27272727	GPM
WV0095788	015	2003 to 2004	LAB	77.59090909	104.2727273	GPM
WV0095788	015	2004 to 2005	LAB	110.9090909	130.4545455	GPM
WV0095788	023	2003 to 2004	LAB	25	30	GPM
WV0095788	024	2003 to 2004	LAB	29	33	GPM
WV0095788	025	2003 to 2004	LAB	32.5	38.33333333	GPM
WV0095788	025	2004 to 2005	LAB	88.40909091	91.81818182	GPM
WV0095788	028	2004 to 2005	LAB	53.75	56.25	GPM
WV0095796	002	2003 to 2004	LAB	5	5.363636364	GPM
WV0095796	002	2004 to 2005	LAB	6.090909091	7.090909091	GPM
WV0095796	004	2003 to 2004	LAB	5.571428571	7	GPM
WV0095796	004	2004 to 2005	LAB	2.111111111	2.777777778	GPM
WV0095796	006	2003 to 2004	LAB	2.888888889	3	GPM
WV0095796	006	2004 to 2005	LAB	5	7.25	GPM
WV0095796	007	2003 to 2004	LAB	9.2	10.8	GPM
WV0095796	007	2004 to 2005	LAB	13.45454545	15.54545455	GPM
WV0095796	009	2003 to 2004	LAB	66.9	84	GPM
WV0095796	009	2004 to 2005	LAB	102.6363636	117.7272727	GPM
WV0095796	013	2003 to 2004	LAB	40.27272727	43.27272727	GPM
WV0095796	013	2004 to 2005	LAB	28.81818182	32.72727273	GPM
WV0095796	017	2004 to 2005	LAB	88.42857143	95	GPM
WV0095800	001	2003 to 2004	LAB	15.125	16.75	GPM
WV0095800	001	2004 to 2005	LAB	27.08333333	33.75	GPM
WV0095800	002	2003 to 2004	LAB	11	13.71428571	GPM
WV0095800	005	2003 to 2004	LAB	5	5	GPM
WV0095800	006	2003 to 2004	LAB	3	3	GPM
WV0095800	011	2004 to 2005	LAB	6.9	7.7	GPM
WV0095800	012	2003 to 2004	LAB	9	9	GPM
WV0095800	012	2004 to 2005	LAB	6	9.333333333	GPM
WV0095800	038	2004 to 2005	LAB	11.7	12.4	GPM
WV0095818	001	2003 to 2004	LAB	144.7916667	177.0833333	GPM
WV0095818	001	2004 to 2005	LAB	118.625	173.3333333	GPM
WV0095818	025	2003 to 2004	LAB	115.625	121.125	GPM
WV0095818	025	2004 to 2005	LAB	17.59090909	24.54545455	GPM
WV0095869	001	2003 to 2004	LAB	294.5833333	402.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0095869	001	2004 to 2005	LAB	278.3333333	312.0833333	GPM
WV0095869	003	2003 to 2004	LAB	25.25	25.25	GPM
WV0095869	003	2004 to 2005	LAB	0.5	0.65	GPM
WV0095869	010	2003 to 2004	LAB	62.375	76.25	GPM
WV0095869	010	2004 to 2005	LAB	70.625	84.58333333	GPM
WV0095885	001	2003 to 2004	LAB	106.2916667	146.25	GPM
WV0095885	001	2004 to 2005	LAB	65	98.33333333	GPM
WV0095885	002	2003 to 2004	LAB	100.9583333	141.25	GPM
WV0095885	002	2004 to 2005	LAB	69.04166667	111.4166667	GPM
WV0095885	004	2003 to 2004	LAB	3	3	GPM
WV0095885	005	2003 to 2004	LAB	4.083333333	5.166666667	GPM
WV0095885	009	2004 to 2005	LAB	2.5	3	GPM
WV0095885	011	2004 to 2005	LAB	6.5	10	GPM
WV0095885	012	2003 to 2004	LAB	1	1	GPM
WV0095885	014	2003 to 2004	LAB	21.6875	35.625	GPM
WV0095885	016	2003 to 2004	LAB	1.09375	1.1875	GPM
WV0095885	016	2004 to 2005	LAB	1.2295	1.435	GPM
WV0095885	018	2003 to 2004	LAB	10.75	11	GPM
WV0095885	018	2004 to 2005	LAB	1.2525	1.7525	GPM
WV0095885	019	2004 to 2005	LAB	3.75	4	GPM
WV0095885	021	2004 to 2005	LAB	2	2	GPM
WV0095923	014	2003 to 2004	LAB	157.2422222	212.7777778	GPM
WV0095923	014	2004 to 2005	LAB	116.42	156.7166667	GPM
WV0095923	027	2003 to 2004	LAB	4	8	GPM
WV0095923	030	2003 to 2004	LAB	5	8	GPM
WV0095923	087	2003 to 2004	LAB	51.55555556	75.88888889	GPM
WV0095923	087	2004 to 2005	LAB	25.05	34.28875	GPM
WV0095923	090	2003 to 2004	LAB	74	105.5555556	GPM
WV0095923	090	2004 to 2005	LAB	135.8533333	174.0333333	GPM
WV0095991	003	2003 to 2004	LAB	162	191.25	GPM
WV0095991	003	2004 to 2005	LAB	99.68181818	126.3636364	GPM
WV0095991	021	2003 to 2004	LAB	1	1	GPM
WV0096083	001	2003 to 2004	LAB	128.6666667	151.25	GPM
WV0096083	001	2004 to 2005	LAB	92.95454545	125.4545455	GPM
WV0096083	003	2003 to 2004	LAB	2	2	GPM
WV0096083	004	2003 to 2004	LAB	9.433333333	12.83333333	GPM
WV0096083	004	2004 to 2005	LAB	3.2	3.8	GPM
WV0096083	005	2003 to 2004	LAB	7	7.5	GPM
WV0096083	006	2003 to 2004	LAB	2.5	2.5	GPM
WV0096148	001	2003 to 2004	LAB	7.25	9.375	GPM
WV0096148	001	2004 to 2005	LAB	6.454545455	7.454545455	GPM
WV0096148	002	2003 to 2004	LAB	9.375	13.375	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0096148	002	2004 to 2005	LAB	5.636363636	6.363636364	GPM
WV0096148	003	2003 to 2004	LAB	3.75	5.166666667	GPM
WV0096148	003	2004 to 2005	LAB	4.083333333	5	GPM
WV0096148	004	2003 to 2004	LAB	17.91666667	22.5	GPM
WV0096148	004	2004 to 2005	LAB	19.33333333	23.16666667	GPM
WV0096148	005	2003 to 2004	LAB	60.41666667	71.91666667	GPM
WV0096148	005	2004 to 2005	LAB	78.33333333	89.16666667	GPM
WV0096148	007	2003 to 2004	LAB	7.8	10.2	GPM
WV0096148	007	2004 to 2005	LAB	9.333333333	11.33333333	GPM
WV0096156	001	2003 to 2004	LAB	32.81818182	40	GPM
WV0096156	001	2004 to 2005	LAB	30.58333333	37.5	GPM
WV0096156	002	2003 to 2004	LAB	118.5454545	137.7272727	GPM
WV0096156	002	2004 to 2005	LAB	36.875	41.66666667	GPM
WV0096172	001	2004 to 2005	LAB	816.6666667	941.6666667	GPM
WV0096199	001	2003 to 2004	LAB	298.1818182	358.1818182	GPM
WV0096199	001	2004 to 2005	LAB	422.9166667	504.1666667	GPM
WV0096199	002	2003 to 2004	LAB	1.4375	1.5625	GPM
WV0096199	002	2004 to 2005	LAB	7.05	11.6	GPM
WV0096229	001	2003 to 2004	LAB	127.5	142.5	GPM
WV0096229	001	2004 to 2005	LAB	55	67.77777778	GPM
WV0096229	002	2004 to 2005	LAB	5	5	GPM
WV0096253	001	2003 to 2004	LAB	364.1666667	445	GPM
WV0096253	001	2004 to 2005	LAB	387.9166667	441.6666667	GPM
WV0096253	002	2003 to 2004	LAB	768.75	887.5	GPM
WV0096253	002	2004 to 2005	LAB	800.25	1008.333333	GPM
WV0096253	008	2004 to 2005	LAB	450	600	GPM
WV0096253	009	2003 to 2004	LAB	632.1428571	650	GPM
WV0096253	009	2004 to 2005	LAB	608.3333333	700	GPM
WV0096253	012	2003 to 2004	LAB	1037.272727	1148.181818	GPM
WV0096253	012	2004 to 2005	LAB	1337.5	1416.666667	GPM
WV0096334	EFSDT	2003 to 2004	LAB	58122	93991.33333	GPM
WV0096334	EFSDT	2004 to 2005	LAB	55.56777778	65.68	CFS
WV0096334	EFUSDT	2003 to 2004	LAB	58196.33333	92968	GPM
WV0096334	EFUSDT	2004 to 2005	LAB	40.28555556	47.46777778	CFS
WV0096342	006	2003 to 2004	LAB	120	160	GPM
WV0096342	006	2004 to 2005	LAB	119.05	124	GPM
WV0096369	001	2003 to 2004	LAB	6878.25	9329.25	GPM
WV0096369	001	2004 to 2005	LAB	4590.25	6443.166667	GPM
WV0096393	001	2003 to 2004	LAB	26.91666667	29.16666667	GPM
WV0096393	001	2004 to 2005	LAB	22.33333333	25.83333333	GPM
WV0096393	002	2003 to 2004	LAB	31.83333333	35	GPM
WV0096393	002	2004 to 2005	LAB	29.83333333	35.83333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0096393	003	2003 to 2004	LAB	42.91666667	46.66666667	GPM
WV0096393	003	2004 to 2005	LAB	55.5	69.58333333	GPM
WV0096393	004	2003 to 2004	LAB	2.222222222	3	GPM
WV0096393	004	2004 to 2005	LAB	2.5	3.25	GPM
WV0096563	001	2003 to 2004	LAB	15.25454545	21.54545455	GPM
WV0096563	001	2004 to 2005	LAB	19.13636364	20.27272727	GPM
WV0096563	002	2003 to 2004	LAB	19.55	25.54545455	GPM
WV0096563	002	2004 to 2005	LAB	23.15	23.65	GPM
WV0096563	004	2004 to 2005	LAB	0.5	0.5	GPM
WV0096598	001	2003 to 2004	LAB	27.75	27.75	GPM
WV0096598	001	2004 to 2005	LAB	19.71428571	19.71428571	GPM
WV0096598	012	2003 to 2004	LAB	88.81625	100.36	GPM
WV0096598	012	2004 to 2005	LAB	68.24090909	83.77545455	GPM
WV0096598	014	2003 to 2004	LAB	35.20833333	39.58333333	GPM
WV0096598	014	2004 to 2005	LAB	39.27272727	40.18181818	GPM
WV0096598	018	2004 to 2005	LAB	4	4	GPM
WV0096598	020	2003 to 2004	LAB	10	13.08333333	GPM
WV0096598	020	2004 to 2005	LAB	6.895833333	8.416666667	GPM
WV0096601	001	2003 to 2004	LAB	27.69772727	33.27272727	GPM
WV0096601	001	2004 to 2005	LAB	8.027272727	12.20454545	GPM
WV0096601	005	2003 to 2004	LAB	4.84375	5.333333333	GPM
WV0096601	005	2004 to 2005	LAB	4.104166667	5.166666667	GPM
WV0096601	006	2003 to 2004	LAB	49.25	55.41666667	GPM
WV0096601	006	2004 to 2005	LAB	62.41666667	89.25	GPM
WV0096601	008	2003 to 2004	LAB	2.36875	3.633333333	GPM
WV0096601	008	2004 to 2005	LAB	0.963636364	1.122727273	GPM
WV0096601	010	2003 to 2004	LAB	10.60714286	15.67857143	GPM
WV0096601	010	2004 to 2005	LAB	5.4	7.8	GPM
WV0096601	011	2003 to 2004	LAB	17	24.5	GPM
WV0096601	011	2004 to 2005	LAB	7.305555556	9.111111111	GPM
WV0096610	001	2003 to 2004	LAB	35.5	42	GPM
WV0096610	001	2004 to 2005	LAB	56.16666667	59.58333333	GPM
WV0096610	003	2003 to 2004	LAB	29.16666667	31.66666667	GPM
WV0096610	003	2004 to 2005	LAB	33.54166667	36.25	GPM
WV0096610	004	2003 to 2004	LAB	14.5	23.66666667	GPM
WV0096610	004	2004 to 2005	LAB	40.35714286	40.71428571	GPM
WV0096610	005	2003 to 2004	LAB	22.9	27.7	GPM
WV0096610	005	2004 to 2005	LAB	46.5	50.41666667	GPM
WV0096725	001	2003 to 2004	LAB	8	8	GPM
WV0096725	001	2004 to 2005	LAB	10	10	GPM
WV0096725	002	2003 to 2004	LAB	16.25	16.25	GPM
WV0096725	002	2004 to 2005	LAB	13.63636364	13.63636364	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0096725	011	2004 to 2005	LAB	5	5	GPM
WV0096725	012	2003 to 2004	LAB	30	30	GPM
WV0096725	013	2003 to 2004	LAB	10.9	10.9	GPM
WV0096725	013	2004 to 2005	LAB	6	6	GPM
WV0096733	004	2003 to 2004	LAB	19.575	24.6	GPM
WV0096733	004	2004 to 2005	LAB	74.70833333	82.08333333	GPM
WV0096814	001	2003 to 2004	LAB	4.6875	6.708333333	GPM
WV0096814	001	2004 to 2005	LAB	3.041666667	3.833333333	GPM
WV0096814	300	2003 to 2004	LAB	1.614583333	2.229166667	GPM
WV0096814	300	2004 to 2005	LAB	1.01375	1.2775	GPM
WV0096822	001	2003 to 2004	LAB	7.654545455	7.654545455	GPM
WV0096822	001	2004 to 2005	LAB	7.057272727	7.057272727	GPM
WV0096822	300	2003 to 2004	LAB	1.340909091	1.340909091	GPM
WV0096822	300	2004 to 2005	LAB	0.875454545	0.875454545	GPM
WV0096831	300	2003 to 2004	LAB	15.0277775	18.58333333	GPM
WV0096831	300	2004 to 2005	LAB	12.125	14.58333333	GPM
WV0096831	301	2003 to 2004	LAB	15.2152775	18.83333333	GPM
WV0096831	301	2004 to 2005	LAB	9.145833333	11.5	GPM
WV0096865	001	2003 to 2004	LAB	50	50	GPM
WV0096865	001	2004 to 2005	LAB	15	15	GPM
WV0096911	010	2003 to 2004	LAB	10	10	GPM
WV0096911	010	2004 to 2005	LAB	23.33333333	23.33333333	GPM
WV0096920	001	2003 to 2004	LAB	2315.5	2745.833333	GPM
WV0096920	001	2004 to 2005	LAB	5636	5987.916667	GPM
WV0096962	001	2003 to 2004	LAB	5244.416667	5920.5	GPM
WV0096962	001	2004 to 2005	LAB	12893.3	13574.7	GPM
WV0096962	003	2004 to 2005	LAB	248.5	302	GPM
WV0096962	044	2003 to 2004	LAB	4861.272727	5460	GPM
WV0096962	044	2004 to 2005	LAB	13811	15390.91667	GPM
WV0096962	056	2003 to 2004	LAB	2865.916667	3283.25	GPM
WV0096962	056	2004 to 2005	LAB	7331.454545	8515.272727	GPM
WV0096971	006	2003 to 2004	LAB	16.25	16.25	GPM
WV0096971	006	2004 to 2005	LAB	19.5	19.5	GPM
WV0096971	007	2003 to 2004	LAB	6.5	6.5	GPM
WV0096971	010	2003 to 2004	LAB	4.51	5.2	GPM
WV0096971	010	2004 to 2005	LAB	12	12	GPM
WV0096971	032	2003 to 2004	LAB	21.1	22.6	GPM
WV0096971	032	2004 to 2005	LAB	20.75	20.75	GPM
WV0097012	011	2003 to 2004	LAB	32.5	50	GPM
WV0097039	001	2003 to 2004	LAB	16.22857143	16.22857143	GPM
WV0097039	001	2004 to 2005	LAB	15	15	GPM
WV0097055	001	2003 to 2004	LAB	14.625	18.29166667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0097055	001	2004 to 2005	LAB	56.08333333	67.08333333	GPM
WV0097098	002	2003 to 2004	LAB	14.925	15.65	GPM
WV0097098	002	2004 to 2005	LAB	10.95833333	12.5	GPM
WV0097110	004	2003 to 2004	LAB	51.66666667	57.91666667	GPM
WV0097110	004	2004 to 2005	LAB	28.00833333	43.33333333	GPM
WV0097144	001	2003 to 2004	LAB	80.20833333	92.08333333	GPM
WV0097144	001	2004 to 2005	LAB	72.7	99.4	GPM
WV0097144	009	2003 to 2004	LAB	40.83333333	45	GPM
WV0097144	009	2004 to 2005	LAB	64.625	86.125	GPM
WV0097144	012	2003 to 2004	LAB	7.444444444	8.333333333	GPM
WV0097144	012	2004 to 2005	LAB	9.112222222	12.44444444	GPM
WV0097144	013	2004 to 2005	LAB	28.33333333	31.66666667	GPM
WV0097217	005	2003 to 2004	LAB	14.75	18.5	GPM
WV0097217	005	2004 to 2005	LAB	16.65	20.5	GPM
WV0097217	009	2003 to 2004	LAB	5	5	GPM
WV0097217	009	2004 to 2005	LAB	10	10	GPM
WV0097250	004	2003 to 2004	LAB	1.625	2	GPM
WV0097250	004	2004 to 2005	LAB	2.625	2.625	GPM
WV0097250	005	2003 to 2004	LAB	3.083333333	4.083333333	GPM
WV0097250	005	2004 to 2005	LAB	1.958333333	2.333333333	GPM
WV0097250	008	2003 to 2004	LAB	21.625	28.16666667	GPM
WV0097250	008	2004 to 2005	LAB	24.16833333	30.25	GPM
WV0097341	002	2003 to 2004	LAB	48.75	69.16666667	GPM
WV0097341	002	2004 to 2005	LAB	19.68181818	30	GPM
WV0097341	003	2003 to 2004	LAB	175	175	GPM
WV0097341	003	2004 to 2005	LAB	3	3	GPM
WV0097390	001	2003 to 2004	LAB	13.79166667	18.5	GPM
WV0097390	001	2004 to 2005	LAB	6.5	9.25	GPM
WV0097411	002	2003 to 2004	LAB	70.29166667	75.58333333	GPM
WV0097411	002	2004 to 2005	LAB	108.4583333	131.6666667	GPM
WV0097471	001	2003 to 2004	LAB	6.625	8.916666667	GPM
WV0097471	001	2004 to 2005	LAB	12.5	15	GPM
WV0097527	004	2004 to 2005	LAB	250	275	GPM
WV0097551	001	2003 to 2004	LAB	426.75	645	GPM
WV0097551	001	2004 to 2005	LAB	173.6666667	246.3333333	GPM
WV0097551	004	2003 to 2004	LAB	1693.25	2287.25	GPM
WV0097551	004	2004 to 2005	LAB	562	752.5	GPM
WV0097551	005	2003 to 2004	LAB	781.75	1340.75	GPM
WV0097551	005	2004 to 2005	LAB	557.6	1064.8	GPM
WV0097551	015	2003 to 2004	LAB	2264.333333	2792.166667	GPM
WV0097551	015	2004 to 2005	LAB	1869.5	2498.416667	GPM
WV0097551	088	2003 to 2004	LAB	72.83333333	117.75	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0097551	088	2004 to 2005	LAB	29.58333333	37.25	GPM
WV0097551	089	2003 to 2004	LAB	1330.583333	2555.25	GPM
WV0097551	089	2004 to 2005	LAB	72.75	100.4166667	GPM
WV0097551	091	2003 to 2004	LAB	2064.333333	2916.166667	GPM
WV0097551	091	2004 to 2005	LAB	822.8333333	1196.083333	GPM
WV0097551	092	2003 to 2004	LAB	160.9166667	274.3333333	GPM
WV0097551	092	2004 to 2005	LAB	99.42857143	123.5714286	GPM
WV0097900	001	2003 to 2004	LAB	119.5833333	150	GPM
WV0097900	001	2004 to 2005	LAB	650	900	GPM
WV0097969	001	2003 to 2004	LAB	28.05	47.2	GPM
WV0097969	001	2004 to 2005	LAB	2	3	GPM
WV0098060	001	2003 to 2004	LAB	15	20	GPM
WV0098060	004	2003 to 2004	LAB	16.11111111	19	GPM
WV0098167	003	2003 to 2004	LAB	44	48.18181818	GPM
WV0098167	003	2004 to 2005	LAB	43.04545455	47.72727273	GPM
WV0098167	005	2003 to 2004	LAB		15.33333333	GPM
WV0098167	WTS-012	2003 to 2004	LAB	8.62875	9.38125	GPM
WV0098167	WTS-012	2004 to 2005	LAB	8.217142857	9.86	GPM
WV0098167	WTS-013	2003 to 2004	LAB	15.36428571	17.51	GPM
WV0098167	WTS-013	2004 to 2005	LAB	15.878125	18.75375	GPM
WV0098264	002	2003 to 2004	LAB	25.68181818	31.36363636	GPM
WV0098264	002	2004 to 2005	LAB	22.75	26	GPM
WV0098264	007	2003 to 2004	LAB	18.15	25.5	GPM
WV0098264	007	2004 to 2005	LAB	12.5625	18.91666667	GPM
WV0098264	008	2003 to 2004	LAB	35.22727273	42.27272727	GPM
WV0098264	008	2004 to 2005	LAB	35.83333333	40	GPM
WV0098264	010	2003 to 2004	LAB	31.66666667	31.66666667	GPM
WV0098264	010	2004 to 2005	LAB	48.75	48.75	GPM
WV0098264	011	2003 to 2004	LAB	36.36363636	45	GPM
WV0098264	011	2004 to 2005	LAB	42.70833333	50	GPM
WV0098264	015	2003 to 2004	LAB	102.2727273	111.3636364	GPM
WV0098264	015	2004 to 2005	LAB	94.79166667	100	GPM
WV0098264	016	2003 to 2004	LAB	46.36363636	56.36363636	GPM
WV0098264	016	2004 to 2005	LAB	34.58333333	40.41666667	GPM
WV0098264	019	2003 to 2004	LAB	55.625	62.5	GPM
WV0098264	021	2003 to 2004	LAB	92.04545455	106.8181818	GPM
WV0098264	021	2004 to 2005	LAB	104.1666667	112.5	GPM
WV0098264	023	2003 to 2004	LAB	19.75	27	GPM
WV0098264	023	2004 to 2005	LAB	23.80555556	32.38888889	GPM
WV0098264	027	2003 to 2004	LAB	16.875	16.875	GPM
WV0098264	027	2004 to 2005	LAB	10.5	10.5	GPM
WV0098264	028	2003 to 2004	LAB	44.36363636	56.81818182	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0098264	028	2004 to 2005	LAB	45	52.5	GPM
WV0098264	036	2003 to 2004	LAB	1	1	GPM
WV0098264	046	2003 to 2004	LAB	1	1	GPM
WV0098264	047	2003 to 2004	LAB	1	1	GPM
WV0098264	048	2003 to 2004	LAB	0.5	0.5	GPM
WV0098264	049	2003 to 2004	LAB	20	20	GPM
WV0098264	050	2003 to 2004	LAB	1	1	GPM
WV0098264	051	2003 to 2004	LAB	1	1	GPM
WV0098264	052	2003 to 2004	LAB	2	2	GPM
WV0098264	053	2003 to 2004	LAB	4	4	GPM
WV0098264	058	2003 to 2004	LAB	1	1	GPM
WV0098264	061	2003 to 2004	LAB	87.72727273	100	GPM
WV0098264	061	2004 to 2005	LAB	136.6666667	160.8333333	GPM
WV0098264	062	2003 to 2004	LAB	94.31818182	104.5454545	GPM
WV0098264	062	2004 to 2005	LAB	126.0416667	141.6666667	GPM
WV0098264	073	2003 to 2004	LAB	1	1	GPM
WV0098264	078	2003 to 2004	LAB	21.27272727	28.63636364	GPM
WV0098264	078	2004 to 2005	LAB	24.75	26.44444444	GPM
WV0098264	083	2003 to 2004	LAB	1	1	GPM
WV0098264	085	2003 to 2004	LAB	10	10	GPM
WV0098264	085	2004 to 2005	LAB	25	25	GPM
WV0098264	GW301	2003 to 2004	LAB	30	30	GPM
WV0098264	SS-1	2003 to 2004	LAB	0.08912	0.08912	CFS
WV0098264	SS-12	2003 to 2004	LAB	16.71007	22.2801	CFS
WV0098264	SS-4	2003 to 2004	LAB	0.334201	0.334201	CFS
WV0098264	SS7	2003 to 2004	LAB	0.501302	0.557002	CFS
WV0098311	006	2003 to 2004	LAB		5	GPM
WV0098671	002	2003 to 2004	LAB	15.5	10.5	GPM
WV0098671	002	2004 to 2005	LAB	1	1	GPM
WV0098671	003	2003 to 2004	LAB	6.113636364	7.272727273	GPM
WV0098671	003	2004 to 2005	LAB	4.4375	5.625	GPM
WV0098710	002	2003 to 2004	LAB	223.8607417	265.2440083	GPM
WV0098710	002	2004 to 2005	LAB	54.13166667	84.5775	GPM
WV0098710	007	2003 to 2004	LAB	45.04148333	60.3788	GPM
WV0098710	007	2004 to 2005	LAB	35.25833333	42.75	GPM
WV0098710	008	2003 to 2004	LAB	82.7075	103.4908333	GPM
WV0098710	008	2004 to 2005	LAB	90.66666667	118.4166667	GPM
WV0098710	009	2003 to 2004	LAB	84.95833333	112.0833333	GPM
WV0098710	009	2004 to 2005	LAB	91.36666667	129.15	GPM
WV0098710	010	2003 to 2004	LAB	6.444444444	8.611111111	GPM
WV0098710	010	2004 to 2005	LAB	10.52571429	13.86571429	GPM
WV0098744	001	2003 to 2004	LAB	49.16666667	66.66666667	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0098744	001	2004 to 2005	LAB	35.29166667	40.83333333	GPM
WV0098744	002	2003 to 2004	LAB	21.27777778	29.44444444	GPM
WV0098744	002	2004 to 2005	LAB	15.15909091	18.18181818	GPM
WV0098744	003	2003 to 2004	LAB		50	GPM
WV0098761	001	2003 to 2004	LAB	391.7184667	552.9598833	GPM
WV0098761	001	2004 to 2005	LAB	1032.159167	1184.9825	GPM
WV0098761	002	2004 to 2005	LAB	357.945	714.39	GPM
WV0098761	003	2003 to 2004	LAB	1140.32	1237.715	GPM
WV0098761	003	2004 to 2005	LAB	25	28.33333333	GPM
WV0098761	004	2004 to 2005	LAB	1	1	GPM
WV0098868	001	2003 to 2004	LAB	3	3	GPM
WV0098868	001	2004 to 2005	LAB	18.18181818	26.22727273	GPM
WV0098868	003	2003 to 2004	LAB	30.625	39.25	GPM
WV0098868	003	2004 to 2005	LAB	52.58333333	76.83333333	GPM
WV0098868	005	2003 to 2004	LAB	225.1666667	276.25	GPM
WV0098868	005	2004 to 2005	LAB	198.0833333	250.4166667	GPM
WV0098868	008	2004 to 2005	LAB	112	112	GPM
WV0098868	011	2003 to 2004	LAB	161.7916667	199.3333333	GPM
WV0098868	011	2004 to 2005	LAB	195.0833333	228.25	GPM
WV0098868	016	2003 to 2004	LAB	143.1666667	182.6666667	GPM
WV0098868	016	2004 to 2005	LAB	175.5909091	204.0909091	GPM
WV0098868	017	2003 to 2004	LAB	376.5	451.3333333	GPM
WV0098868	017	2004 to 2005	LAB	325.0416667	367.25	GPM
WV0098868	024	2003 to 2004	LAB	204.4583333	249.75	GPM
WV0098868	024	2004 to 2005	LAB	222.8333333	266.0833333	GPM
WV0098868	025	2003 to 2004	LAB	158.125	192.2916667	GPM
WV0098868	025	2004 to 2005	LAB	153.3333333	182.5833333	GPM
WV0098868	034	2003 to 2004	LAB	6.875	9	GPM
WV0098868	034	2004 to 2005	LAB	11.52083333	14.375	GPM
WV0098868	035	2003 to 2004	LAB	6.3	7.5	GPM
WV0098868	035	2004 to 2005	LAB	20.78571429	28.14285714	GPM
WV0098868	040	2003 to 2004	LAB	116.8	169.2	GPM
WV0098868	040	2004 to 2005	LAB	85.81818182	102.7272727	GPM
WV0098868	041	2003 to 2004	LAB	113.5	140.25	GPM
WV0098868	041	2004 to 2005	LAB	138.7083333	174.5833333	GPM
WV0098868	053	2003 to 2004	LAB	22.5	45	GPM
WV0098868	053	2004 to 2005	LAB	45	45	GPM
WV0098868	059	2003 to 2004	LAB	86.40909091	112	GPM
WV0098868	059	2004 to 2005	LAB	139.5	176.0833333	GPM
WV0099015	002	2003 to 2004	LAB	117.5	143.75	GPM
WV0099015	002	2003 to 2004	LAB		30000	MGD
WV0099015	002	2004 to 2005	LAB	45	65	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0099015	002	2004 to 2005	LAB		30000	MGD
WV0099015	003	2003 to 2004	LAB	250	257.1428571	GPM
WV0099015	008	2003 to 2004	LAB	25	25	GPM
WV0099015	010	2003 to 2004	LAB	35	41.66666667	GPM
WV0099015	012	2003 to 2004	LAB	54.16666667	66.66666667	GPM
WV0099015	013	2003 to 2004	LAB	27.085	37.5	GPM
WV0099015	016	2003 to 2004	LAB	18.09571429	20.71428571	GPM
WV0099015	017	2003 to 2004	LAB	191.6666667	208.3333333	GPM
WV0099015	019	2003 to 2004	LAB	42.08333333	43.33333333	GPM
WV0099015	021	2003 to 2004	LAB	270.8333333	300	GPM
WV0099015	DDR024	2003 to 2004	LAB	550	600	GPM
WV0099015	DRBMR18	2003 to 2004	LAB	633.3333333	666.6666667	GPM
WV0099015	DRBMR21	2003 to 2004	LAB	854.1666667	883.3333333	GPM
WV0099015	DRR19	2003 to 2004	LAB	483.3333333	483.3333333	GPM
WV0099015	DS FED1	2003 to 2004	LAB	1375	1500	GPM
WV0099015	DS-1	2003 to 2004	LAB	791.6666667	850	GPM
WV0099015	DSR16	2003 to 2004	LAB	154.1666667	183.3333333	GPM
WV0099015	DSR17	2003 to 2004	LAB	433.3333333	433.3333333	GPM
WV0099015	DUTMR14	2003 to 2004	LAB	83.33333333	100	GPM
WV0099015	UDR024	2003 to 2004	LAB	550	600	GPM
WV0099015	URBMR18	2003 to 2004	LAB	633.3333333	666.6666667	GPM
WV0099015	URBMR21	2003 to 2004	LAB	808.3333333	833.3333333	GPM
WV0099015	URR19	2003 to 2004	LAB	433.3333333	433.3333333	GPM
WV0099015	US FED1	2003 to 2004	LAB	1375	1500	GPM
WV0099015	US-1	2003 to 2004	LAB	225	233.3333333	GPM
WV0099015	USR16	2003 to 2004	LAB	66.66666667	75	GPM
WV0099015	USR17	2003 to 2004	LAB	166.6666667	191.6666667	GPM
WV0099147	001	2003 to 2004	LAB	24.35304	28.60304	GPM
WV0099147	001	2004 to 2005	LAB	18.5	25	GPM
WV0099252	001	2003 to 2004	LAB	44.94444444	60.55555556	GPM
WV0099252	001	2004 to 2005	LAB	37.33125	66	GPM
WV0099252	002	2003 to 2004	LAB	30.9375	49.5	GPM
WV0099252	002	2004 to 2005	LAB	34.2125	62.75	GPM
WV0099252	003	2003 to 2004	LAB	45	50	GPM
WV0099252	003	2004 to 2005	LAB	20.5	27	GPM
WV0099252	004	2003 to 2004	LAB	82.75	101.5	GPM
WV0099252	005	2003 to 2004	LAB	5	5	GPM
WV0099252	006	2003 to 2004	LAB	90	102.5	GPM
WV0099252	007	2003 to 2004	LAB	3	3	GPM
WV0099252	009	2003 to 2004	LAB	55.35	82.8	GPM
WV0099252	009	2004 to 2005	LAB	35.08333333	46.58333333	GPM
WV0099392	004	2003 to 2004	LAB	2462	3081.363636	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0099392	004	2004 to 2005	LAB	1887.916667	2752.5	GPM
WV0099392	007	2003 to 2004	LAB	319.9090909	497.9090909	GPM
WV0099392	007	2004 to 2005	LAB	98.16666667	132.25	GPM
WV0099392	009	2003 to 2004	LAB	169.0909091	276.6363636	GPM
WV0099392	009	2004 to 2005	LAB	65.5	90.83333333	GPM
WV0099392	010	2003 to 2004	LAB	170.6363636	276.7272727	GPM
WV0099392	010	2004 to 2005	LAB	94.5	145.6666667	GPM
WV0099392	011	2003 to 2004	LAB	38	55.27272727	GPM
WV0099392	011	2004 to 2005	LAB	30.75	41	GPM
WV0099392	012	2003 to 2004	LAB	18.72727273	24.36363636	GPM
WV0099392	012	2004 to 2005	LAB	26.33333333	38	GPM
WV0099392	013	2003 to 2004	LAB	48.36363636	78.45454545	GPM
WV0099392	013	2004 to 2005	LAB	29.83333333	35	GPM
WV0099392	014	2003 to 2004	LAB	1342.272727	1664.363636	GPM
WV0099392	014	2004 to 2005	LAB	627.5833333	864.1666667	GPM
WV0099392	015	2003 to 2004	LAB	124.0909091	174.4545455	GPM
WV0099392	015	2004 to 2005	LAB	89.41666667	123.9166667	GPM
WV0099392	017	2003 to 2004	LAB	24.90909091	36.45454545	GPM
WV0099392	017	2004 to 2005	LAB	15.08333333	19.58333333	GPM
WV0099392	018	2003 to 2004	LAB	23.18181818	31.27272727	GPM
WV0099392	018	2004 to 2005	LAB	18.18181818	22.54545455	GPM
WV0099392	019	2003 to 2004	LAB	14.27272727	19.54545455	GPM
WV0099392	019	2004 to 2005	LAB	20.83333333	29.41666667	GPM
WV0099392	020	2003 to 2004	LAB	137.8181818	205.9090909	GPM
WV0099392	020	2004 to 2005	LAB	58.33333333	81.66666667	GPM
WV0099392	021	2003 to 2004	LAB	26.09090909	33.45454545	GPM
WV0099392	021	2004 to 2005	LAB	24.90909091	32.63636364	GPM
WV0099392	025	2003 to 2004	LAB	79.54545455	98.45454545	GPM
WV0099392	025	2004 to 2005	LAB	37.41666667	41.25	GPM
WV0099392	026	2003 to 2004	LAB	10.4	14.7	GPM
WV0099392	026	2004 to 2005	LAB	2	2.333333333	GPM
WV0099392	027	2003 to 2004	LAB	1429.909091	1864.727273	GPM
WV0099392	027	2004 to 2005	LAB	777.5	1119.916667	GPM
WV0099392	028	2003 to 2004	LAB	57.27272727	69	GPM
WV0099392	028	2004 to 2005	LAB	54.83333333	66.08333333	GPM
WV0099392	030	2003 to 2004	LAB	11.4	22.2	GPM
WV0099392	031	2003 to 2004	LAB	11.4	14.6	GPM
WV0099392	032	2003 to 2004	LAB	46	64.45454545	GPM
WV0099392	032	2004 to 2005	LAB	22.58333333	30.41666667	GPM
WV0099392	033	2003 to 2004	LAB	80.90909091	102.8181818	GPM
WV0099392	033	2004 to 2005	LAB	37.16666667	46.66666667	GPM
WV0099392	034	2003 to 2004	LAB	65.1	95.6	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0099392	034	2004 to 2005	LAB	40.41666667	57.83333333	GPM
WV0099392	036	2003 to 2004	LAB	57.63636364	98.09090909	GPM
WV0099392	036	2004 to 2005	LAB	17.3	25.2	GPM
WV0099392	037	2003 to 2004	LAB	1530.090909	1764.363636	GPM
WV0099392	037	2004 to 2005	LAB	1349.416667	1971.083333	GPM
WV0099392	038	2003 to 2004	LAB	594.1818182	845.4545455	GPM
WV0099392	038	2004 to 2005	LAB	1282.416667	2222.833333	GPM
WV0099392	040	2003 to 2004	LAB	1556.272727	1977.454545	GPM
WV0099392	040	2004 to 2005	LAB	808.0833333	1106.083333	GPM
WV0099392	041	2003 to 2004	LAB	54.85714286	66.28571429	GPM
WV0099392	042	2003 to 2004	LAB	11.54545455	16.36363636	GPM
WV0099392	042	2004 to 2005	LAB	11.63636364	17	GPM
WV0099392	043	2003 to 2004	LAB	10.55555556	18.77777778	GPM
WV0099392	043	2004 to 2005	LAB	8.333333333	16.22222222	GPM
WV0099392	045	2003 to 2004	LAB	50.09090909	64.45454545	GPM
WV0099392	045	2004 to 2005	LAB	25.91666667	32.5	GPM
WV0099392	046	2003 to 2004	LAB	65.90909091	83.72727273	GPM
WV0099392	046	2004 to 2005	LAB	31.33333333	36.58333333	GPM
WV0099392	047	2003 to 2004	LAB	44.36363636	54.18181818	GPM
WV0099392	047	2004 to 2005	LAB	25.66666667	33.33333333	GPM
WV0099392	048	2003 to 2004	LAB	2.833333333	4.166666667	GPM
WV0099392	048	2004 to 2005	LAB	4.8	8.8	GPM
WV0099392	049	2003 to 2004	LAB	22.27272727	31.09090909	GPM
WV0099392	049	2004 to 2005	LAB	9.916666667	13.91666667	GPM
WV0099392	050	2003 to 2004	LAB	20	24.90909091	GPM
WV0099392	050	2004 to 2005	LAB	7.2	10.5	GPM
WV0099392	051	2003 to 2004	LAB	24	47.5	GPM
WV0099392	051	2004 to 2005	LAB	4	8	GPM
WV0099392	052	2003 to 2004	LAB	27.8	35.6	GPM
WV0099392	053	2003 to 2004	LAB	18.45454545	22.18181818	GPM
WV0099392	053	2004 to 2005	LAB	717.1666667	811.5833333	GPM
WV0099392	054	2003 to 2004	LAB	6.333333333	12	GPM
WV0099392	054	2004 to 2005	LAB	1	1	GPM
WV0099414	001	2003 to 2004	LAB	128.3333333	128.3333333	GPM
WV0099414	001	2004 to 2005	LAB	129.7083333	161.25	GPM
WV0099414	007	2003 to 2004	LAB	34.5	35	GPM
WV0099414	007	2004 to 2005	LAB	64.625	73.95833333	GPM
WV0099414	012	2004 to 2005	LAB	6	6	GPM
WV0099414	013	2004 to 2005	LAB	10	10	GPM
WV0099414	014	2004 to 2005	LAB	7	7	GPM
WV0099473	003	2003 to 2004	LAB	269.5833333	269.5833333	GPM
WV0099473	003	2004 to 2005	LAB	457.9166667	457.9166667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0099490	008	2003 to 2004	LAB	1	3	GPM
WV0099490	009	2003 to 2004	LAB	3.5	3.5	GPM
WV0099490	009	2004 to 2005	LAB	1.5	1.5	GPM
WV0099490	010	2003 to 2004	LAB	5.125	4.8	GPM
WV0099490	010	2004 to 2005	LAB	3.5	3.5	GPM
WV0099490	011	2003 to 2004	LAB	1.75	1.75	GPM
WV0099490	011	2004 to 2005	LAB	1	1	GPM
WV0099490	012	2003 to 2004	LAB	2	2	GPM
WV0099490	013	2003 to 2004	LAB	3.9	4.7	GPM
WV0099490	013	2004 to 2005	LAB	2.357142857	2.571428571	GPM
WV0099490	014	2003 to 2004	LAB	10.94583333	13.33333333	GPM
WV0099490	014	2004 to 2005	LAB	9.75	11.25	GPM
WV0099490	017	2003 to 2004	LAB	4.125	4.25	GPM
WV0099490	017	2004 to 2005	LAB	2	2	GPM
WV0099490	019	2003 to 2004	LAB	81.25	87.5	GPM
WV0099490	019	2004 to 2005	LAB	100	100	GPM
WV0099490	300	2003 to 2004	LAB	40	40	GPM
WV0099490	300	2004 to 2005	LAB	28.33333333	28.33333333	GPM
WV0099490	301	2003 to 2004	LAB	10	10	GPM
WV0099490	301	2004 to 2005	LAB	10	10	GPM
WV0099511	001	2003 to 2004	LAB	615.5	712.8333333	GPM
WV0099511	001	2004 to 2005	LAB	950.2083333	1102.5	GPM
WV0099511	002	2003 to 2004	LAB	18.14285714	19.28571429	GPM
WV0099511	002	2004 to 2005	LAB	10.5	12.7	GPM
WV0099511	003	2003 to 2004	LAB	13.39545455	17.27272727	GPM
WV0099511	003	2004 to 2005	LAB	11.21666667	15.1	GPM
WV0099520	001	2003 to 2004	LAB	990.4166667	1382.083333	GPM
WV0099520	001	2004 to 2005	LAB	1927.833333	2258.333333	GPM
WV0099520	002	2004 to 2005	LAB	1620	1880	GPM
WV0099520	008	2003 to 2004	LAB	1	1	GPM
WV0099520	008	2004 to 2005	LAB	1.666666667	2.333333333	GPM
WV0099520	011	2003 to 2004	LAB	16.16666667	18.25	GPM
WV0099520	011	2004 to 2005	LAB	27.66666667	31.08333333	GPM
WV0099520	016	2003 to 2004	LAB	1.5	2	GPM
WV0099589	001	2003 to 2004	LAB	924.1666667	1112.5	GPM
WV0099589	001	2004 to 2005	LAB	697.2225	950	GPM
WV0099589	003	2004 to 2005	LAB	35	70	GPM
WV0099643	002	2003 to 2004	LAB	36.66666667	45.41666667	GPM
WV0099643	002	2004 to 2005	LAB	46.29166667	62.91666667	GPM
WV0099651	001	2003 to 2004	LAB	234.5833333	364.5833333	GPM
WV0099651	001	2004 to 2005	LAB	156.875	210.8333333	GPM
WV0099651	009	2003 to 2004	LAB	131.0416667	157.9166667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV0099651	009	2004 to 2005	LAB	142.0833333	151.6666667	GPM
WV0099651	010	2003 to 2004	LAB	23	25	GPM
WV0099651	010	2004 to 2005	LAB	7.375	10.5	GPM
WV0099651	011	2003 to 2004	LAB	51.83333333	59.33333333	GPM
WV0099651	011	2004 to 2005	LAB	10	11.77777778	GPM
WV0099716	025	2003 to 2004	LAB	5.4	7.8	GPM
WV0099716	029	2003 to 2004	LAB	10.875	13	GPM
WV0099759	001	2003 to 2004	LAB	98.89583333	134.25	GPM
WV0099759	001	2004 to 2005	LAB	68.92708333	96.66666667	GPM
WV0099759	008	2003 to 2004	LAB	111.25	140.8333333	GPM
WV0099759	008	2004 to 2005	LAB	94.58333333	104.1666667	GPM
WV0099759	009	2003 to 2004	LAB	27.76041667	37.66666667	GPM
WV0099759	009	2004 to 2005	LAB	3.945625	6.5625	GPM
WV0099929	001	2003 to 2004	LAB	17.5	17.5	GPM
WV0099929	DGC	2003 to 2004	LAB	9.245	9.245	CFS
WV0099929	DGC	2004 to 2005	LAB	7.196666667	7.196666667	CFS
WV0099929	DSB	2003 to 2004	LAB	4.375	4.375	CFS
WV0099929	DSB	2004 to 2005	LAB	2.714	2.714	CFS
WV0099929	UGC	2003 to 2004	LAB	5.951666667	5.951666667	CFS
WV0099929	UGC	2004 to 2005	LAB	3.765833333	3.765833333	CFS
WV0099929	USB	2003 to 2004	LAB	2.18	2.18	CFS
WV0099929	USB	2004 to 2005	LAB	0.886363636	0.886363636	CFS
WV0099970	002	2003 to 2004	LAB	33.5	39.66666667	GPM
WV0099970	002	2004 to 2005	LAB	33.5	41.25	GPM
WV0099970	004	2003 to 2004	LAB	13.5	20.83333333	GPM
WV0099970	004	2004 to 2005	LAB	16.55555556	25.66666667	GPM
WV0099970	DLF	2004 to 2005	LAB	994.5	1131	GPM
WV1000047	DNF2	2004 to 2005	LAB	62.5	66.25	GPM
WV1000063	001	2003 to 2004	LAB	36.25	41.95833333	GPM
WV1000063	001	2004 to 2005	LAB	52.875	57.91666667	GPM
WV1000063	002	2003 to 2004	LAB	2	2	GPM
WV1000063	003	2003 to 2004	LAB	18	18	GPM
WV1000063	007	2003 to 2004	LAB	34.8125	40.125	GPM
WV1000063	007	2004 to 2005	LAB	51.66666667	56.5	GPM
WV1000063	008	2003 to 2004	LAB	7.875	12.79166667	GPM
WV1000063	008	2004 to 2005	LAB	8.395	11.66666667	GPM
WV1000063	012	2003 to 2004	LAB	0.75	0.75	GPM
WV1000063	012	2004 to 2005	LAB	0.984375	1.15625	GPM
WV1000063	013	2003 to 2004	LAB	14.70833333	19.33333333	GPM
WV1000063	013	2004 to 2005	LAB	21.25	23.58333333	GPM
WV1000268	001	2003 to 2004	LAB	91.4	145.5	GPM
WV1000268	001	2004 to 2005	LAB	88.31818182	112.0909091	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1000268	002	2003 to 2004	LAB	17	23.5	GPM
WV1000268	002	2004 to 2005	LAB	12.90909091	17.09090909	GPM
WV1000268	005	2003 to 2004	LAB	33.9	42.3	GPM
WV1000268	005	2004 to 2005	LAB	55	80.72727273	GPM
WV1000268	006	2003 to 2004	LAB	80	81.66666667	GPM
WV1000268	006	2004 to 2005	LAB	51	68.5	GPM
WV1000527	001	2003 to 2004	LAB	84.25	89.5	GPM
WV1000527	001	2004 to 2005	LAB	103.3333333	116.6666667	GPM
WV1000942	007	2003 to 2004	LAB	18.54545455	18.54545455	GPM
WV1000942	007	2004 to 2005	LAB	11.57142857	11.57142857	GPM
WV1000942	DMC	2003 to 2004	LAB	5863.636364	5863.636364	GPM
WV1000942	DMC	2004 to 2005	LAB	3942.916667	3942.916667	GPM
WV1000942	UMC	2003 to 2004	LAB	5422.727273	5422.727273	GPM
WV1000942	UMC	2004 to 2005	LAB	3691.666667	3691.666667	GPM
WV1000942	UTMC1	2003 to 2004	LAB	93.18181818	93.18181818	GPM
WV1000942	UTMC1	2004 to 2005	LAB	47.27272727	47.27272727	GPM
WV1000942	UTMC2	2003 to 2004	LAB	185.4545455	185.4545455	GPM
WV1000942	UTMC2	2004 to 2005	LAB	65.90909091	65.90909091	GPM
WV1000942	UTMR1	2003 to 2004	LAB	193.6363636	193.6363636	GPM
WV1000942	UTMR1	2004 to 2005	LAB	100.4545455	100.4545455	GPM
WV1000942	UTMR2	2003 to 2004	LAB	115	115	GPM
WV1000942	UTMR2	2004 to 2005	LAB	55.83333333	56.66666667	GPM
WV1001159	002	2004 to 2005	LAB	3000	3000	GPM
WV1001159	006	2003 to 2004	LAB	0.929166667	1.379166667	GPM
WV1001159	006	2004 to 2005	LAB	1.5975	2.175	GPM
WV1001221	001	2003 to 2004	LAB	62.5	72.91666667	GPM
WV1001221	001	2004 to 2005	LAB	86.25	103.75	GPM
WV1001221	002	2003 to 2004	LAB	8.125	10.33333333	GPM
WV1001221	002	2004 to 2005	LAB	9.5	11.83333333	GPM
WV1001221	003	2003 to 2004	LAB	4.5	5.636363636	GPM
WV1001221	003	2004 to 2005	LAB	7.208333333	8.583333333	GPM
WV1001221	005	2003 to 2004	LAB	4.916666667	6.333333333	GPM
WV1001221	005	2004 to 2005	LAB	5.888888889	7.111111111	GPM
WV1001221	011	2003 to 2004	LAB	2.916666667	3.5	GPM
WV1001221	011	2004 to 2005	LAB	7	8.333333333	GPM
WV1001221	014	2003 to 2004	LAB	4.125	4.75	GPM
WV1001221	015	2003 to 2004	LAB	3.5	3.5	GPM
WV1001221	037	2003 to 2004	LAB	4.583333333	5.666666667	GPM
WV1001221	037	2004 to 2005	LAB	6.3	8.4	GPM
WV1001221	041	2003 to 2004	LAB	100.8333333	110	GPM
WV1001221	041	2004 to 2005	LAB	105.5	134	GPM
WV1001370	001	2003 to 2004	LAB	5268.522083	5960.49	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1001370	001	2004 to 2005	LAB	4035.527273	4329.207273	GPM
WV1001418	002	2003 to 2004	LAB	139.4583333	186.3333333	GPM
WV1001418	002	2004 to 2005	LAB	97.375	120.4166667	GPM
WV1001442	001	2003 to 2004	LAB	35	35	GPM
WV1001442	001	2004 to 2005	LAB	38.33333333	38.33333333	GPM
WV1001442	018	2003 to 2004	LAB	20	20	GPM
WV1001442	018	2004 to 2005	LAB	21.66666667	21.66666667	GPM
WV1001647	009	2003 to 2004	LAB	5.65	7.6	GPM
WV1001931	006	2003 to 2004	LAB	33.23541667	44.33333333	GPM
WV1001931	006	2004 to 2005	LAB	84.75	84.75	GPM
WV1001965	001	2003 to 2004	LAB	16.34090909	18.22727273	GPM
WV1001965	001	2004 to 2005	LAB	14.375	17.5	GPM
WV1001965	002	2003 to 2004	LAB	0.5	1	GPM
WV1001965	003	2003 to 2004	LAB	16.45454545	18.27272727	GPM
WV1001965	003	2004 to 2005	LAB	14.625	18.33333333	GPM
WV1001965	017	2003 to 2004	LAB	12.71875	14.625	GPM
WV1001965	019	2003 to 2004	LAB	7.977272727	9.681818182	GPM
WV1001965	019	2004 to 2005	LAB	11.08333333	14.58333333	GPM
WV1001965	047	2003 to 2004	LAB	21.13636364	25	GPM
WV1001965	047	2004 to 2005	LAB	19.08333333	22.5	GPM
WV1002031	003	2003 to 2004	LAB	5.4375	7.104166667	GPM
WV1002031	003	2004 to 2005	LAB	3.760416667	5.208333333	GPM
WV1002040	001	2003 to 2004	LAB	2.75	2.75	GPM
WV1002040	001	2004 to 2005	LAB	5	5	GPM
WV1002368	001	2003 to 2004	LAB	33.41666667	57.75	GPM
WV1002368	001	2004 to 2005	LAB	8.25	11.84090909	GPM
WV1002384	008	2003 to 2004	LAB	1.708333333	2.555555556	GPM
WV1002384	008	2004 to 2005	LAB	1.083333333	1.083333333	GPM
WV1002384	009	2003 to 2004	LAB	1.015625	1.28125	GPM
WV1002384	009	2004 to 2005	LAB	1.111111111	1.111111111	GPM
WV1002384	011	2003 to 2004	LAB	31.875	35.625	GPM
WV1002384	011	2004 to 2005	LAB	21.31818182	26.54545455	GPM
WV1002384	012	2003 to 2004	LAB	11.25	13	GPM
WV1002384	012	2004 to 2005	LAB	29	31	GPM
WV1002571	DUTMR-1	2003 to 2004	LAB	12.5	12.5	GPM
WV1002619	002	2003 to 2004	LAB	143.900315	164.1559	GPM
WV1002619	002	2004 to 2005	LAB	62.66666667	75.44444444	GPM
WV1002678	008	2003 to 2004	LAB	49.77272727	59.09090909	GPM
WV1002678	008	2004 to 2005	LAB	47.08333333	55	GPM
WV1002678	009	2003 to 2004	LAB	54.09090909	61.36363636	GPM
WV1002678	009	2004 to 2005	LAB	49.16666667	52.5	GPM
WV1002678	013	2003 to 2004	LAB	31.81818182	38.18181818	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1002678	013	2004 to 2005	LAB	25.41666667	31.66666667	GPM
WV1002678	DRR-2	2003 to 2004	LAB	7.241032	7.798035	CFS
WV1002678	DUTTR-3	2003 to 2004	LAB	0.278501	0.334201	CFS
WV1002678	DWR-S1	2003 to 2004	LAB	0.08912	0.1114	CFS
WV1002678	URR-1	2003 to 2004	LAB	5.570025	5.570025	CFS
WV1002678	UUTRR-3	2003 to 2004	LAB	0.08355	0.1114	CFS
WV1002686	001	2003 to 2004	LAB	61	82.5	GPM
WV1002686	001	2004 to 2005	LAB	5.257142857	10.5	GPM
WV1002686	003	2003 to 2004	LAB	185.1666667	202.6666667	GPM
WV1002686	003	2004 to 2005	LAB	132.0833333	161.25	GPM
WV1002686	004	2004 to 2005	LAB	4.7565	9.513	GPM
WV1002686	005	2003 to 2004	LAB	4.924444444	7.25	GPM
WV1002686	005	2004 to 2005	LAB	4.55	8.05	GPM
WV1002791	004	2003 to 2004	LAB	13.61111111	16.11111111	GPM
WV1002791	004	2004 to 2005	LAB	12.5	14.44444444	GPM
WV1002791	005	2003 to 2004	LAB	82.5	93.33333333	GPM
WV1002791	005	2004 to 2005	LAB	82.22222222	95	GPM
WV1002791	007	2003 to 2004	LAB	7	7.444444444	GPM
WV1002791	007	2004 to 2005	LAB	6.4	7.4	GPM
WV1002856	006	2003 to 2004	LAB	26.25	26.25	GPM
WV1002856	006	2004 to 2005	LAB	26.25	26.25	GPM
WV1002856	007	2003 to 2004	LAB	50	50	GPM
WV1002856	007	2004 to 2005	LAB	51.25	51.25	GPM
WV1002856	008	2003 to 2004	LAB	8.75	8.75	GPM
WV1002856	008	2004 to 2005	LAB	11.25	11.25	GPM
WV1002856	009	2003 to 2004	LAB	3.5	3.5	GPM
WV1002856	009	2004 to 2005	LAB	2.9	2.9	GPM
WV1002856	010	2003 to 2004	LAB	3.5	3.5	GPM
WV1002856	010	2004 to 2005	LAB	3.125	3.125	GPM
WV1002856	012	2003 to 2004	LAB	2.7	2.7	GPM
WV1002856	012	2004 to 2005	LAB	6.4	6.4	GPM
WV1002856	013	2003 to 2004	LAB	3.2	3.2	GPM
WV1002856	013	2004 to 2005	LAB	3	3	GPM
WV1002856	014	2003 to 2004	LAB	0.9	0.9	GPM
WV1002856	014	2004 to 2005	LAB	2.75	2.75	GPM
WV1002856	015	2003 to 2004	LAB	2.5	2.5	GPM
WV1002856	015	2004 to 2005	LAB	2.125	2.125	GPM
WV1003038	001	2003 to 2004	LAB	26.41666667	32.5	GPM
WV1003038	001	2004 to 2005	LAB	28.88888889	31.77777778	GPM
WV1003038	002	2003 to 2004	LAB	7.15625	10.16666667	GPM
WV1003038	002	2004 to 2005	LAB	6.458333333	10.29166667	GPM
WV1003038	003	2003 to 2004	LAB	15.83333333	18.91666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1003038	003	2004 to 2005	LAB	20.33333333	21.77777778	GPM
WV1003348	005	2003 to 2004	LAB	116.7878167	117.5	GPM
WV1003348	005	2004 to 2005	LAB	72.08333333	72.08333333	GPM
WV1003364	001	2003 to 2004	LAB	15.35	48.75	GPM
WV1003364	001	2004 to 2005	LAB	20.67142857	20.67142857	GPM
WV1003429	002	2003 to 2004	LAB	11.22222222	13.55555556	GPM
WV1003429	002	2004 to 2005	LAB	5.25	6.25	GPM
WV1003429	003	2003 to 2004	LAB	8.166666667	10.22222222	GPM
WV1003429	003	2004 to 2005	LAB	3.125	3.25	GPM
WV1003470	004	2003 to 2004	LAB	22.75	30	GPM
WV1003470	004	2004 to 2005	LAB	19.99583333	24.075	GPM
WV1003500	001	2003 to 2004	LAB	24127	24127	GPM
WV1003500	001	2004 to 2005	LAB	27264	27264	GPM
WV1003500	002	2003 to 2004	LAB	19804.375	19804.375	GPM
WV1003500	002	2004 to 2005	LAB	25920	25920	GPM
WV1003500	003	2003 to 2004	LAB	5040.416667	5040.416667	GPM
WV1003500	003	2004 to 2005	LAB	27000	27000	GPM
WV1003500	004	2003 to 2004	LAB	64800	64800	GPM
WV1003623	001	2003 to 2004	LAB	22.5	22.5	GPM
WV1003623	001	2004 to 2005	LAB	20.71428571	23.57142857	GPM
WV1003674	001	2003 to 2004	LAB	13.75	26.5	GPM
WV1003674	001	2004 to 2005	LAB	12.78	14.56	GPM
WV1003674	002	2003 to 2004	LAB	43.18181818	62.27272727	GPM
WV1003674	002	2004 to 2005	LAB	20.0125	23.75833333	GPM
WV1003674	003	2003 to 2004	LAB	26.25	47.5	GPM
WV1003674	003	2004 to 2005	LAB	6.5	10	GPM
WV1003674	004	2003 to 2004	LAB	30.7	44.6	GPM
WV1003674	004	2004 to 2005	LAB	32.5	37.55	GPM
WV1003682	001	2003 to 2004	LAB	324.5454545	410.9090909	GPM
WV1003682	001	2004 to 2005	LAB	171.375	210.8333333	GPM
WV1003682	002	2003 to 2004	LAB	333.5454545	419.0909091	GPM
WV1003682	002	2004 to 2005	LAB	152.7272727	199.0909091	GPM
WV1003682	004	2004 to 2005	LAB	10	10	GPM
WV1003682	014	2003 to 2004	LAB	11.66666667	11.66666667	GPM
WV1003682	014	2004 to 2005	LAB	18.75	20	GPM
WV1003682	015	2003 to 2004	LAB	7.333333333	7.333333333	GPM
WV1003682	015	2004 to 2005	LAB	13.75	15	GPM
WV1003682	018	2003 to 2004	LAB	16	16	GPM
WV1003682	018	2004 to 2005	LAB	10	10	GPM
WV1003682	019	2003 to 2004	LAB	16	16	GPM
WV1003682	019	2004 to 2005	LAB	5	5	GPM
WV1003682	021	2003 to 2004	LAB	6	6	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1003682	021	2004 to 2005	LAB	13.75	15	GPM
WV1003682	062	2003 to 2004	LAB	8	8	GPM
WV1003682	062	2004 to 2005	LAB	5.5	5.5	GPM
WV1003682	070	2003 to 2004	LAB	8.333333333	8.333333333	GPM
WV1003682	070	2004 to 2005	LAB	5	5	GPM
WV1003682	075	2003 to 2004	LAB	6.8125	8.375	GPM
WV1003682	075	2004 to 2005	LAB	17.5	25	GPM
WV1003682	076	2003 to 2004	LAB	7.857142857	8.857142857	GPM
WV1003682	076	2004 to 2005	LAB	20	20	GPM
WV1003682	080	2003 to 2004	LAB	12.833333333	13.444444444	GPM
WV1003682	080	2004 to 2005	LAB	25.22727273	26.36363636	GPM
WV1003712	002	2004 to 2005	LAB	70	85	GPM
WV1003712	003	2003 to 2004	LAB	165.1818182	191.2727273	GPM
WV1003712	003	2004 to 2005	LAB	114.1666667	152.9166667	GPM
WV1003712	005	2003 to 2004	LAB	45	45	GPM
WV1003712	008	2003 to 2004	LAB	8.333333333	8.333333333	GPM
WV1003712	009	2003 to 2004	LAB	17.4	17.4	GPM
WV1003712	009	2004 to 2005	LAB	1.5	2	GPM
WV1003712	010	2003 to 2004	LAB	4.678571429	6.428571429	GPM
WV1003712	010	2004 to 2005	LAB	1.948888889	2.224444444	GPM
WV1003712	011	2003 to 2004	LAB	2	2	GPM
WV1003712	012	2004 to 2005	LAB	2.5	2.5	GPM
WV1003712	013	2003 to 2004	LAB	6.625	6.75	GPM
WV1003712	013	2004 to 2005	LAB	12.333333333	12.333333333	GPM
WV1003712	015	2003 to 2004	LAB	1	1	GPM
WV1003712	015	2004 to 2005	LAB	1	1	GPM
WV1003712	016	2003 to 2004	LAB	6.25	7	GPM
WV1003712	016	2004 to 2005	LAB	3	3	GPM
WV1003712	019	2003 to 2004	LAB	3	3	GPM
WV1003712	024	2003 to 2004	LAB	6.666666667	8	GPM
WV1003712	024	2004 to 2005	LAB	7.666666667	9	GPM
WV1003712	025	2003 to 2004	LAB	20	20	GPM
WV1003712	025	2004 to 2005	LAB	10.375	12.5	GPM
WV1003712	033	2003 to 2004	LAB	1.5	2	GPM
WV1003712	033	2004 to 2005	LAB	1.0625	1.88625	GPM
WV1003712	036	2004 to 2005	LAB	5.5	6.5	GPM
WV1003712	037	2003 to 2004	LAB	15.25	15.333333333	GPM
WV1003712	037	2004 to 2005	LAB	8.714285714	8.857142857	GPM
WV1003712	038	2003 to 2004	LAB	32.5	42.833333333	GPM
WV1003712	038	2004 to 2005	LAB	48.85714286	57.42857143	GPM
WV1003763	002	2003 to 2004	LAB	83.333333333	123.1666667	GPM
WV1003763	002	2004 to 2005	LAB	56.16666667	72.25	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1003810	011	2003 to 2004	LAB	112.5	120.8333333	GPM
WV1003810	011	2004 to 2005	LAB	101.25	102.5	GPM
WV1003844	001	2003 to 2004	LAB	231.09	314.5	GPM
WV1003844	001	2004 to 2005	LAB	56.91363636	78.51818182	GPM
WV1003844	501	2004 to 2005	LAB	3	3	GPM
WV1003844	502	2004 to 2005	LAB	3	3	GPM
WV1003887	001	2003 to 2004	LAB	25.2	33.8	GPM
WV1003887	001	2004 to 2005	LAB	38.25	50.5	GPM
WV1003887	002	2003 to 2004	LAB	8.84375	14.29166667	GPM
WV1003887	002	2004 to 2005	LAB	22.0125	30.3	GPM
WV1003887	004	2003 to 2004	LAB	41.16666667	55.41666667	GPM
WV1003887	004	2004 to 2005	LAB	39.69583333	55.66666667	GPM
WV1003887	006	2003 to 2004	LAB	4.333333333	4.333333333	GPM
WV1003887	006	2004 to 2005	LAB	4.625	7	GPM
WV1003887	009	2003 to 2004	LAB	0.625	0.625	GPM
WV1003887	012	2003 to 2004	LAB	1.497916667	2.375	GPM
WV1003887	012	2004 to 2005	LAB	1.155	1.514166667	GPM
WV1003887	018	2004 to 2005	LAB	200	200	GPM
WV1003895	001	2003 to 2004	LAB	33.55	54.3	GPM
WV1003968	001	2003 to 2004	LAB	147.5833333	181.6666667	GPM
WV1003968	001	2004 to 2005	LAB	82.29166667	117.5	GPM
WV1003968	002	2003 to 2004	LAB	89.375	106.6666667	GPM
WV1003968	002	2004 to 2005	LAB	24.95833333	31.25	GPM
WV1003968	003	2003 to 2004	LAB	260.4166667	325	GPM
WV1003968	003	2004 to 2005	LAB	110.8333333	138.3333333	GPM
WV1003968	004	2003 to 2004	LAB	122.2916667	142.0833333	GPM
WV1003968	004	2004 to 2005	LAB	45	53.33333333	GPM
WV1003968	017	2003 to 2004	LAB	307.2916667	383.3333333	GPM
WV1003968	017	2004 to 2005	LAB	176.875	221.25	GPM
WV1003984	001	2003 to 2004	LAB	156.4583333	178.3333333	GPM
WV1003984	001	2004 to 2005	LAB	66.25	100.4166667	GPM
WV1004000	001	2003 to 2004	LAB	33.64285714	42.57142857	GPM
WV1004000	001	2004 to 2005	LAB	5	6.714285714	GPM
WV1004051	011	2003 to 2004	LAB	23.70833333	28.75	GPM
WV1004051	011	2004 to 2005	LAB	21.83583333	26.65166667	GPM
WV1004069	010	2004 to 2005	LAB	18.68727273	27.10272727	GPM
WV1004093	001	2004 to 2005	LAB	5	5	GPM
WV1004093	003	2003 to 2004	LAB	7.5	10	GPM
WV1004093	003	2004 to 2005	LAB	1	1	GPM
WV1004131	001	2004 to 2005	LAB	16	21.33333333	GPM
WV1004131	DPF-V	2004 to 2005	LAB	1200.25	1561.375	GPM
WV1004140	001	2003 to 2004	LAB	4.166666	10.6	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1004140	001	2004 to 2005	LAB	2.9	4.4	GPM
WV1004140	002	2004 to 2005	LAB	5.5	8	GPM
WV1004140	003	2003 to 2004	LAB	3.5	4	GPM
WV1004140	003	2004 to 2005	LAB	21.625	27.75	GPM
WV1004140	004	2003 to 2004	LAB	4.344444444	6.955555556	GPM
WV1004140	004	2004 to 2005	LAB	23.11111111	35.66666667	GPM
WV1004140	007	2004 to 2005	LAB	38	38	GPM
WV1004140	008	2003 to 2004	LAB	227.8055556	450.1666667	GPM
WV1004140	008	2004 to 2005	LAB	727.90625	954.25	GPM
WV1004140	009	2004 to 2005	LAB	9.666666667	15.16666667	GPM
WV1004140	014	2003 to 2004	LAB	2	2	GPM
WV1004140	017	2003 to 2004	LAB	50.21666667	58.58333333	GPM
WV1004140	017	2004 to 2005	LAB	47.33333333	57	GPM
WV1004140	020	2003 to 2004	LAB	61.58875	100.5	GPM
WV1004140	020	2004 to 2005	LAB	34.727	51.102	GPM
WV1004140	021	2003 to 2004	LAB	353.5714286	364.2857143	GPM
WV1004140	021	2004 to 2005	LAB	230.6818182	268.1818182	GPM
WV1004182	001	2003 to 2004	LAB	113.3083333	144.4166667	GPM
WV1004182	001	2004 to 2005	LAB	62.16666667	80.75	GPM
WV1004182	002	2003 to 2004	LAB	159.0083333	180.85	GPM
WV1004182	002	2004 to 2005	LAB	150.875	205.3333333	GPM
WV1004182	003	2003 to 2004	LAB	86.69090909	115.1363636	GPM
WV1004182	003	2004 to 2005	LAB	55.43333333	68.91666667	GPM
WV1004182	006	2004 to 2005	LAB	27.5	30	GPM
WV1004182	007	2003 to 2004	LAB	157.3541667	186.1708333	GPM
WV1004182	007	2004 to 2005	LAB	106.5	118.75	GPM
WV1004182	008	2003 to 2004	LAB	3.833333333	6	GPM
WV1004182	008	2004 to 2005	LAB	7.625	7.75	GPM
WV1004182	010	2003 to 2004	LAB	5	5	GPM
WV1004182	011	2003 to 2004	LAB	2	2	GPM
WV1004182	012	2003 to 2004	LAB	4.5	5	GPM
WV1004182	013	2003 to 2004	LAB	3	3.5	GPM
WV1004182	014	2003 to 2004	LAB	3	3.5	GPM
WV1004182	015	2003 to 2004	LAB	5.5	7.5	GPM
WV1004182	015	2004 to 2005	LAB	6	6	GPM
WV1004182	016	2003 to 2004	LAB	5	5.5	GPM
WV1004182	017	2003 to 2004	LAB	3.25	3.5	GPM
WV1004182	018	2003 to 2004	LAB	4	4.5	GPM
WV1004182	019	2003 to 2004	LAB	3.5	3.5	GPM
WV1004182	021	2003 to 2004	LAB	6.5	7	GPM
WV1004182	022	2003 to 2004	LAB	3.5	3.5	GPM
WV1004182	023	2003 to 2004	LAB	4	4	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1004182	024	2003 to 2004	LAB	4	4	GPM
WV1004182	025	2003 to 2004	LAB	6.5	6.5	GPM
WV1004182	026	2003 to 2004	LAB	4	4	GPM
WV1004182	027	2003 to 2004	LAB	6.475	7.425	GPM
WV1004182	027	2004 to 2005	LAB	7.104166667	8.691666667	GPM
WV1004182	028	2003 to 2004	LAB	4.4	5.8	GPM
WV1004182	030	2003 to 2004	LAB	47.66666667	54	GPM
WV1004182	030	2004 to 2005	LAB	41.29166667	40.75	GPM
WV1004182	031	2003 to 2004	LAB	24.74166667	27.41666667	GPM
WV1004182	031	2004 to 2005	LAB	22.92708333	42.18333333	GPM
WV1004182	032	2003 to 2004	LAB	7.41125	11.25	GPM
WV1004182	032	2004 to 2005	LAB	5.325	6.5	GPM
WV1004182	033	2003 to 2004	LAB	5.714285714	7.714285714	GPM
WV1004182	034	2003 to 2004	LAB	6.375	10.25	GPM
WV1004182	034	2004 to 2005	LAB	55.362	92.66	GPM
WV1004182	035	2003 to 2004	LAB	2.5	2.5	GPM
WV1004182	036	2003 to 2004	LAB	6.988333333	11.23833333	GPM
WV1004182	036	2004 to 2005	LAB	1.5	1.5	GPM
WV1004182	037	2003 to 2004	LAB	3.182857143	4.5	GPM
WV1004182	037	2004 to 2005	LAB	1.592222222	2.677777778	GPM
WV1004182	038	2003 to 2004	LAB	4	4	GPM
WV1004182	040	2003 to 2004	LAB	2.687	3.16	GPM
WV1004182	040	2004 to 2005	LAB	5.095454545	6.090909091	GPM
WV1004182	041	2003 to 2004	LAB	2.666666667	3	GPM
WV1004182	042	2003 to 2004	LAB	3.833333333	4.333333333	GPM
WV1004182	043	2003 to 2004	LAB	4.2375	5.0875	GPM
WV1004182	043	2004 to 2005	LAB	2.385833333	3.083333333	GPM
WV1004182	045	2003 to 2004	LAB	7.125	9.5	GPM
WV1004182	045	2004 to 2005	LAB	4	4	GPM
WV1004182	047	2003 to 2004	LAB	9.375	13.75	GPM
WV1004182	047	2004 to 2005	LAB	5.75	7.083333333	GPM
WV1004182	048	2003 to 2004	LAB	4.866666667	5.966666667	GPM
WV1004182	048	2004 to 2005	LAB	2.76875	4.375	GPM
WV1004182	049	2003 to 2004	LAB	6.455	9.205	GPM
WV1004182	049	2004 to 2005	LAB	7.3125	8.5	GPM
WV1004182	052	2003 to 2004	LAB	3.666666667	4	GPM
WV1004182	053	2003 to 2004	LAB	7.785714286	9.142857143	GPM
WV1004182	053	2004 to 2005	LAB	6.136363636	8.636363636	GPM
WV1004182	055	2003 to 2004	LAB	12	17.5	GPM
WV1004182	056	2003 to 2004	LAB	5.75	7.5	GPM
WV1004182	057	2003 to 2004	LAB	3.5	3.5	GPM
WV1004182	057	2004 to 2005	LAB	3	3	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1004182	058	2003 to 2004	LAB	4	4	GPM
WV1004182	059	2003 to 2004	LAB	2.5	2.5	GPM
WV1004182	060	2003 to 2004	LAB	2.5	2.5	GPM
WV1004182	061	2003 to 2004	LAB	3.5	3.5	GPM
WV1004182	078	2003 to 2004	LAB	12.25	12.25	GPM
WV1004182	078	2004 to 2005	LAB	7	7	GPM
WV1004182	079	2004 to 2005	LAB	15	15	GPM
WV1004182	080	2003 to 2004	LAB	6	6	GPM
WV1004182	082	2003 to 2004	LAB	9.6875	10.625	GPM
WV1004182	082	2004 to 2005	LAB	23.59090909	29.54545455	GPM
WV1004182	083	2003 to 2004	LAB	2	2	GPM
WV1004182	083	2004 to 2005	LAB	4	4	GPM
WV1004182	084	2003 to 2004	LAB	2.75	3.5	GPM
WV1004182	084	2004 to 2005	LAB	1.833333333	1.833333333	GPM
WV1004182	087	2003 to 2004	LAB	2.97	4.01	GPM
WV1004182	087	2004 to 2005	LAB	3.601666667	4.501666667	GPM
WV1004247	001	2003 to 2004	LAB	22.35	29.5	GPM
WV1004247	001	2004 to 2005	LAB	11.94583333	15.16666667	GPM
WV1004247	002	2003 to 2004	LAB	22.25	27.08333333	GPM
WV1004247	002	2004 to 2005	LAB	34.271	44.2	GPM
WV1004280	015	2003 to 2004	LAB	3	3	GPM
WV1004280	016	2003 to 2004	LAB	5	5	GPM
WV1004280	016	2004 to 2005	LAB	5.375	6	GPM
WV1004328	001	2003 to 2004	LAB	41.41666667	51.58333333	GPM
WV1004328	001	2004 to 2005	LAB	41.125	54.41666667	GPM
WV1004328	002	2003 to 2004	LAB	0.934375	1.2625	GPM
WV1004328	002	2004 to 2005	LAB	1.296875	1.40625	GPM
WV1004361	001	2003 to 2004	LAB	15.58333333	20.16666667	GPM
WV1004361	001	2004 to 2005	LAB	25.215	40.6	GPM
WV1004361	002	2003 to 2004	LAB	20.95833333	24.08333333	GPM
WV1004361	002	2004 to 2005	LAB	21.49583333	28.04166667	GPM
WV1004361	DLF	2003 to 2004	LAB	3.865	4.859166667	CFS
WV1004361	DLF	2004 to 2005	LAB	2.785	3.424166667	CFS
WV1004361	ULF-11	2003 to 2004	LAB	1.393333333	1.839166667	CFS
WV1004361	ULF-11	2004 to 2005	LAB	1.086666667	1.469166667	CFS
WV1004387	005	2003 to 2004	LAB	50.405	57.95166667	GPM
WV1004387	005	2004 to 2005	LAB	13.53125	18.5	GPM
WV1004387	010	2003 to 2004	LAB	50.70333333	59.58333333	GPM
WV1004387	010	2004 to 2005	LAB	11.4097225	13.54166667	GPM
WV1004387	017	2003 to 2004	LAB	37.50541667	42.4375	GPM
WV1004387	017	2004 to 2005	LAB	19.095833	22.4	GPM
WV1004387	070	2004 to 2005	LAB	0.01	0.01	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1004492	001	2003 to 2004	LAB	764.125	875.75	GPM
WV1004492	001	2004 to 2005	LAB	712.9166667	757.5	GPM
WV1004492	003	2003 to 2004	LAB	50	100	GPM
WV1004531	004	2003 to 2004	LAB	103	136	GPM
WV1004531	004	2004 to 2005	LAB	100.2083333	116.6666667	GPM
WV1004531	005	2003 to 2004	LAB	14	20	GPM
WV1004531	007	2003 to 2004	LAB	200	200	GPM
WV1004531	007	2004 to 2005	LAB	68.75	80	GPM
WV1004531	008	2003 to 2004	LAB	10	10	GPM
WV1004531	010	2003 to 2004	LAB	10	12	GPM
WV1004531	010	2004 to 2005	LAB	42.5	42.5	GPM
WV1004531	012	2004 to 2005	LAB	36	36	GPM
WV1004531	013	2003 to 2004	LAB	10	10	GPM
WV1004531	013	2004 to 2005	LAB	39	39	GPM
WV1004531	015	2003 to 2004	LAB	11.5	12	GPM
WV1004531	015	2004 to 2005	LAB	50	50	GPM
WV1004531	016	2003 to 2004	LAB	10.5	15	GPM
WV1004531	016	2004 to 2005	LAB	27.5	27.5	GPM
WV1004531	017	2003 to 2004	LAB	15.2	19	GPM
WV1004531	017	2004 to 2005	LAB	46.5	47.5	GPM
WV1004573	002	2003 to 2004	LAB	142.2272727	224.4545455	GPM
WV1004573	002	2004 to 2005	LAB	32.222	53.264	GPM
WV1004590	002	2003 to 2004	LAB	2.5	2.5	GPM
WV1004590	002	2004 to 2005	LAB	6.5	6.5	GPM
WV1004590	003	2003 to 2004	LAB	2	2	GPM
WV1004590	003	2004 to 2005	LAB	6	6	GPM
WV1004611	002	2003 to 2004	LAB	30.05	31.4	GPM
WV1004611	002	2004 to 2005	LAB	9.125	11.41666667	GPM
WV1004671	001	2003 to 2004	LAB	10.57142857	12.14285714	GPM
WV1004671	002	2003 to 2004	LAB	75.31818182	124.8181818	GPM
WV1004671	002	2004 to 2005	LAB	38.44444444	55	GPM
WV1004671	005	2003 to 2004	LAB	66.125	80.83333333	GPM
WV1004671	005	2004 to 2005	LAB	55.20833333	64.58333333	GPM
WV1004671	006	2003 to 2004	LAB	12.4	12.8	GPM
WV1004671	007	2003 to 2004	LAB	76.33333333	111.25	GPM
WV1004671	007	2004 to 2005	LAB	55.625	75.41666667	GPM
WV1004727	011	2003 to 2004	LAB	10.92857143	14.28571429	GPM
WV1004727	011	2004 to 2005	LAB	20.02272727	27	GPM
WV1004751	001	2003 to 2004	LAB	36.7	44.2	GPM
WV1004751	001	2004 to 2005	LAB	25.79166667	32.5	GPM
WV1004751	004	2003 to 2004	LAB	31.125	43.33333333	GPM
WV1004751	004	2004 to 2005	LAB	5.25	6.6	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1004751	006	2003 to 2004	LAB	52.04166667	62.83333333	GPM
WV1004751	006	2004 to 2005	LAB	24.31818182	35.63636364	GPM
WV1004760	003	2003 to 2004	LAB	20	40	GPM
WV1004760	006	2003 to 2004	LAB	20	40	GPM
WV1004760	028	2004 to 2005	LAB	32.5	65	GPM
WV1004760	029	2003 to 2004	LAB	10	20	GPM
WV1004760	029	2004 to 2005	LAB	24.25	42.5	GPM
WV1004905	001	2003 to 2004	LAB	59.75	61	GPM
WV1004905	001	2004 to 2005	LAB	31.68181818	33.45454545	GPM
WV1004948	002	2003 to 2004	LAB	22.54166667	17.43333333	GPM
WV1004948	002	2004 to 2005	LAB	31.25	62.5	GPM
WV1004948	005	2003 to 2004	LAB	20.33333333	20.66666667	GPM
WV1004948	005	2004 to 2005	LAB	28.47727273	35.45454545	GPM
WV1004948	006	2003 to 2004	LAB	5.25	10	GPM
WV1004948	006	2004 to 2005	LAB	14	19.57142857	GPM
WV1004948	DBF	2003 to 2004	LAB	1.532857143	1.871428571	CFS
WV1004948	DBF	2004 to 2005	LAB	2.291666667	3.763333333	CFS
WV1004948	DRFBF	2003 to 2004	LAB	0.762857143	0.985714286	CFS
WV1004948	DRFBF	2004 to 2005	LAB	0.681666667	0.919166667	CFS
WV1004948	UBBBF	2003 to 2004	LAB	0.4475	0.62	CFS
WV1004948	UBBBF	2004 to 2005	LAB	0.42	0.568333333	CFS
WV1004948	UBF	2003 to 2004	LAB	0.56	0.741666667	CFS
WV1004948	UBF	2004 to 2005	LAB	0.519166667	0.7125	CFS
WV1004948	URC1	2003 to 2004	LAB	0.906666667	1.316666667	CFS
WV1004948	URC1	2004 to 2005	LAB	13.0925	24.3375	CFS
WV1004948	URHC2	2003 to 2004	LAB	0.742	1.056	CFS
WV1004948	URHC2	2004 to 2005	LAB	1.143333333	1.421666667	CFS
WV1004956	001	2003 to 2004	LAB	3978	4560.666667	GPM
WV1004956	001	2004 to 2005	LAB	3023.083333	3630	GPM
WV1004956	002	2003 to 2004	LAB	1284.25	1819.666667	GPM
WV1004956	002	2004 to 2005	LAB	884.4166667	1151.75	GPM
WV1004956	003	2003 to 2004	LAB	4.888888889	7.333333333	GPM
WV1004956	003	2004 to 2005	LAB	2.571428571	3.571428571	GPM
WV1004956	006	2003 to 2004	LAB	17	29.6	GPM
WV1004956	006	2004 to 2005	LAB	28.66666667	56.66666667	GPM
WV1004956	015	2003 to 2004	LAB	41.18181818	56.36363636	GPM
WV1004956	015	2004 to 2005	LAB	28.2	36.7	GPM
WV1004981	003	2003 to 2004	LAB	19.6	20	GPM
WV1004981	003	2004 to 2005	LAB	13.33333333	16.25	GPM
WV1004981	004	2003 to 2004	LAB	25.3	25.5	GPM
WV1004981	004	2004 to 2005	LAB	20.41666667	22.91666667	GPM
WV1004981	006	2003 to 2004	LAB	15	15	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1004981	006	2004 to 2005	LAB	5.3125	9.375	GPM
WV1004981	BBDS	2004 to 2005	LAB	1.52	1.52	CFS
WV1004981	EFDSBW	2003 to 2004	LAB	45590.33333	74450	GPM
WV1004981	EFDSBW	2004 to 2005	LAB	34.80333333	34.80333333	CFS
WV1004981	EFDSMB	2003 to 2004	LAB	51755	86339	GPM
WV1004981	EFDSMB	2004 to 2005	LAB	42.68777778	42.68777778	CFS
WV1004981	EFUSBW	2003 to 2004	LAB	44468	73163.33333	GPM
WV1004981	EFUSBW	2004 to 2005	LAB	38.67777778	38.67777778	CFS
WV1004981	EFUSMB	2003 to 2004	LAB	51050.33333	83842.33333	GPM
WV1004981	EFUSMB	2004 to 2005	LAB	40.16888889	40.16888889	CFS
WV1004981	FBDS	2003 to 2004	LAB	335.6666667	376	GPM
WV1004981	FBDS	2004 to 2005	LAB	0.566666667	0.566666667	CFS
WV1004981	MBDS	2003 to 2004	LAB	2241	3654.333333	GPM
WV1004981	MBDS	2004 to 2005	LAB	1.784444444	1.784444444	CFS
WV1005006	DHB	2003 to 2004	LAB	8.3	8.3	CFS
WV1005006	DHB	2004 to 2005	LAB	3.191666667	3.191666667	CFS
WV1005049	002	2004 to 2005	LAB	56.2	56.2	GPM
WV1005049	006	2003 to 2004	LAB	104.2916667	163.3333333	GPM
WV1005049	006	2004 to 2005	LAB	35.45454545	35.45454545	GPM
WV1005049	007	2003 to 2004	LAB	464.375	595	GPM
WV1005049	007	2004 to 2005	LAB	72.14285714	75.71428571	GPM
WV1005049	009	2003 to 2004	LAB	98.7	139.6	GPM
WV1005049	009	2004 to 2005	LAB	1025	1025	GPM
WV1005049	010	2003 to 2004	LAB	14997.375	16088.25	GPM
WV1005049	010	2004 to 2005	LAB	2381.545455	2381.545455	GPM
WV1005057	001	2003 to 2004	LAB	32	32	GPM
WV1005057	001	2004 to 2005	LAB	15.15	22.2	GPM
WV1005111	001	2004 to 2005	LAB	86.0625	94.75	GPM
WV1005120	001	2003 to 2004	LAB	80.625	115	GPM
WV1005120	001	2004 to 2005	LAB	94.90909091	122.0909091	GPM
WV1005120	002	2003 to 2004	LAB	154.375	184.1666667	GPM
WV1005120	002	2004 to 2005	LAB	117.25	129.5	GPM
WV1005120	003	2003 to 2004	LAB	11.66666667	14.58333333	GPM
WV1005120	003	2004 to 2005	LAB	59.47555556	115.7444444	GPM
WV1005120	005	2003 to 2004	LAB	12.13636364	13.90909091	GPM
WV1005120	005	2004 to 2005	LAB	15.644	23.14	GPM
WV1005120	006	2004 to 2005	LAB	22	44	GPM
WV1005138	002	2003 to 2004	LAB	1625	1625	GPM
WV1005138	002	2004 to 2005	LAB	1025	1025	GPM
WV1005138	019	2003 to 2004	LAB	164.3636364	246.3636364	GPM
WV1005138	019	2004 to 2005	LAB	860.625	1061.25	GPM
WV1005171	002	2003 to 2004	LAB	5	5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1005171	003	2003 to 2004	LAB	8	8	GPM
WV1005171	003	2004 to 2005	LAB	4	5	GPM
WV1005171	004	2003 to 2004	LAB	23.72727273	31.45454545	GPM
WV1005171	004	2004 to 2005	LAB	28.66666667	32.91666667	GPM
WV1005171	006	2004 to 2005	LAB	4.4	4.8	GPM
WV1005201	005	2003 to 2004	LAB	19.15909091	22.72727273	GPM
WV1005201	005	2004 to 2005	LAB	22.05454545	30.38181818	GPM
WV1005251	001	2003 to 2004	LAB	203.8181818	210.6363636	GPM
WV1005251	001	2004 to 2005	LAB	34.81818182	38.63636364	GPM
WV1005251	003	2003 to 2004	LAB	646.7272727	804.0909091	GPM
WV1005251	003	2004 to 2005	LAB	59.80954545	82.09090909	GPM
WV1005251	004	2003 to 2004	LAB	2.909090909	3	GPM
WV1005251	004	2004 to 2005	LAB	1.680555556	2.5	GPM
WV1005251	052	2003 to 2004	LAB	20.36363636	23.36363636	GPM
WV1005251	052	2004 to 2005	LAB	3.744545455	5.568181818	GPM
WV1005251	053	2003 to 2004	LAB	20.6	23.5	GPM
WV1005251	053	2004 to 2005	LAB	2	2	GPM
WV1005278	001	2003 to 2004	LAB	1.8	3	GPM
WV1005278	001	2004 to 2005	LAB	1.333333333	1.666666667	GPM
WV1005278	003	2003 to 2004	LAB	1.333333333	2	GPM
WV1005278	003	2004 to 2005	LAB	1.5	2	GPM
WV1005278	004	2003 to 2004	LAB	3.285714286	5.428571429	GPM
WV1005278	006	2003 to 2004	LAB	1.125	1.25	GPM
WV1005278	006	2004 to 2005	LAB	1.222222222	1.444444444	GPM
WV1005278	009	2003 to 2004	LAB	4.833333333	6.666666667	GPM
WV1005278	009	2004 to 2005	LAB	4	5	GPM
WV1005278	012	2003 to 2004	LAB	46.625	70.625	GPM
WV1005278	012	2004 to 2005	LAB	28.85714286	41.85714286	GPM
WV1005278	015	2003 to 2004	LAB	10	20	GPM
WV1005359	005	2003 to 2004	LAB	11.6	12.8	GPM
WV1005391	001	2003 to 2004	LAB	481.0833333	763.8333333	GPM
WV1005391	001	2004 to 2005	LAB	328.4166667	458.9166667	GPM
WV1005391	004	2003 to 2004	LAB	194.9166667	263.4166667	GPM
WV1005391	004	2004 to 2005	LAB	121.3333333	151.4166667	GPM
WV1005391	005	2003 to 2004	LAB	288.4166667	458.9166667	GPM
WV1005391	005	2004 to 2005	LAB	160	200.6666667	GPM
WV1005391	069	2003 to 2004	LAB	42	61.83333333	GPM
WV1005391	069	2004 to 2005	LAB	55.75	67.08333333	GPM
WV1005448	001	2003 to 2004	LAB	102.25	108	GPM
WV1005448	001	2004 to 2005	LAB	159.5454545	226.3636364	GPM
WV1005448	002	2003 to 2004	LAB	77.5	91.5	GPM
WV1005448	002	2004 to 2005	LAB	156.3636364	208.1818182	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1005448	003	2003 to 2004	LAB	155	155	GPM
WV1005448	003	2004 to 2005	LAB	61.75	64.66666667	GPM
WV1005448	008	2003 to 2004	LAB	87.4	91.3	GPM
WV1005448	008	2004 to 2005	LAB	77.9	78.4	GPM
WV1005448	009	2004 to 2005	LAB	24.16666667	24.16666667	GPM
WV1005448	012	2003 to 2004	LAB	20	30	GPM
WV1005448	012	2004 to 2005	LAB	75	75	GPM
WV1005481	001	2003 to 2004	LAB	27	33.75	GPM
WV1005481	004	2003 to 2004	LAB	3.583333333	4.666666667	GPM
WV1005481	006	2003 to 2004	LAB	69.16666667	88.33333333	GPM
WV1005545	DHB	2003 to 2004	LAB	1.1	1.2	CFS
WV1005588	008	2004 to 2005	LAB	25	25	GPM
WV1005588	009	2003 to 2004	LAB	70	72.5	GPM
WV1005588	009	2004 to 2005	LAB	74.72222222	76.11111111	GPM
WV1005651	001	2003 to 2004	LAB	8.345454545	11.18181818	GPM
WV1005651	001	2004 to 2005	LAB	29.22727273	37.72727273	GPM
WV1005651	002	2003 to 2004	LAB	11.375	17.08333333	GPM
WV1005651	002	2004 to 2005	LAB	15.5	19.58333333	GPM
WV1005677	001	2004 to 2005	LAB	1.808	2.202	GPM
WV1005685	002	2004 to 2005	LAB	2	2	GPM
WV1005685	DUTBF2	2003 to 2004	LAB	950	1000	GPM
WV1005685	DUTBF2	2004 to 2005	LAB	1745.833333	2066.666667	GPM
WV1005685	UUTBF1	2003 to 2004	LAB	475	550	GPM
WV1005685	UUTBF1	2004 to 2005	LAB	700	933.3333333	GPM
WV1005758	002	2003 to 2004	LAB	50.41666667	54.16666667	GPM
WV1005758	002	2004 to 2005	LAB	98.75	112.0833333	GPM
WV1005758	003	2003 to 2004	LAB	82.91666667	88.33333333	GPM
WV1005758	003	2004 to 2005	LAB	147.0833333	158.3333333	GPM
WV1005855	001	2003 to 2004	LAB	31.55555556	31.55555556	GPM
WV1005855	001	2004 to 2005	LAB	24.11111111	24.11111111	GPM
WV1005880	001	2003 to 2004	LAB	92.29166667	117.9166667	GPM
WV1005880	001	2004 to 2005	LAB	69.79166667	79.16666667	GPM
WV1005880	006	2003 to 2004	LAB	18.81818182	24.36363636	GPM
WV1005880	006	2004 to 2005	LAB	12.83333333	15.5	GPM
WV1005952	001	2003 to 2004	LAB	16.25	21	GPM
WV1005952	002	2003 to 2004	LAB	44.75	60.83333333	GPM
WV1005979	001	2003 to 2004	LAB	893.3958333	1335.416667	GPM
WV1005979	001	2004 to 2005	LAB	626.0416667	859.1666667	GPM
WV1006029	005	2003 to 2004	LAB	5	5	GPM
WV1006029	006	2003 to 2004	LAB	30	38.18181818	GPM
WV1006029	006	2004 to 2005	LAB	25.83333333	28.75	GPM
WV1006037	001	2003 to 2004	LAB	32.83333333	36.66666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1006037	003	2003 to 2004	LAB	29.07142857	38.42857143	GPM
WV1006037	005	2003 to 2004	LAB	29.85714286	147	GPM
WV1006037	007	2003 to 2004	LAB	15.33333333	17.66666667	GPM
WV1006037	012	2003 to 2004	LAB	16.4	18.8	GPM
WV1006037	012	2004 to 2005	LAB	14.5	15.5	GPM
WV1006037	013	2003 to 2004	LAB	8.818181818	10.09090909	GPM
WV1006037	013	2004 to 2005	LAB	7.375	8	GPM
WV1006045	001	2003 to 2004	LAB	30.7875	32.0875	GPM
WV1006045	001	2004 to 2005	LAB	193.125	200.4166667	GPM
WV1006045	007	2003 to 2004	LAB	35.75	38.8	GPM
WV1006045	007	2004 to 2005	LAB	36.79166667	40.41666667	GPM
WV1006070	001	2003 to 2004	LAB	724.625	987.9166667	GPM
WV1006070	001	2004 to 2005	LAB	549.875	789.1666667	GPM
WV1006118	001	2003 to 2004	LAB	16	25.66666667	GPM
WV1006118	001	2004 to 2005	LAB	11.7625	15.19166667	GPM
WV1006118	006	2003 to 2004	LAB	19.29166667	25.41666667	GPM
WV1006118	006	2004 to 2005	LAB	25.41666667	28.33333333	GPM
WV1006118	008	2003 to 2004	LAB	378.2	436.3636364	GPM
WV1006118	008	2004 to 2005	LAB	391.6666667	416.6666667	GPM
WV1006126	001	2003 to 2004	LAB	0.5	0.5	GPM
WV1006126	001	2004 to 2005	LAB	2.083333333	2.833333333	GPM
WV1006258	002	2003 to 2004	LAB	154.9166667	177.9166667	GPM
WV1006258	002	2004 to 2005	LAB	28.91666667	37.25	GPM
WV1006304	001	2003 to 2004	LAB	38.54166667	57.08333333	GPM
WV1006304	001	2004 to 2005	LAB	100	122.7272727	GPM
WV1006304	002	2003 to 2004	LAB	47.63916667	59.58333333	GPM
WV1006304	002	2004 to 2005	LAB	90.20833333	107.9166667	GPM
WV1006304	003	2003 to 2004	LAB	29.16666667	35.83333333	GPM
WV1006304	003	2004 to 2005	LAB	62.70833333	70.41666667	GPM
WV1006304	004	2003 to 2004	LAB	24.16666667	35.41666667	GPM
WV1006304	004	2004 to 2005	LAB	55.90909091	70.90909091	GPM
WV1006304	005	2003 to 2004	LAB	35.41666667	48.75	GPM
WV1006304	005	2004 to 2005	LAB	104.5454545	120.4545455	GPM
WV1006304	006	2003 to 2004	LAB	27.04545455	40.45454545	GPM
WV1006304	006	2004 to 2005	LAB	85.55555556	110	GPM
WV1006428	DSUT01	2003 to 2004	LAB	100	100	GPM
WV1006428	DSUT01	2004 to 2005	LAB	60	60	GPM
WV1006428	USUTHS	2003 to 2004	LAB	25	25	GPM
WV1006428	USUTHS	2004 to 2005	LAB	35	35	GPM
WV1006509	001	2003 to 2004	LAB	10	10	GPM
WV1006509	001	2004 to 2005	LAB	6.1	7.2	GPM
WV1006509	004	2003 to 2004	LAB	9.5	10	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1006509	004	2004 to 2005	LAB	7.667777778	8.223333333	GPM
WV1006509	005	2004 to 2005	LAB	11.33333333	11.33333333	GPM
WV1006584	001	2003 to 2004	LAB	50	60	GPM
WV1006584	001	2004 to 2005	LAB	78.125	91.25	GPM
WV1006584	002	2003 to 2004	LAB	46.25	50.83333333	GPM
WV1006584	002	2004 to 2005	LAB	78.21428571	82.85714286	GPM
WV1006584	005	2003 to 2004	LAB	23.5	26	GPM
WV1006584	005	2004 to 2005	LAB	23.5375	29.75	GPM
WV1006584	006	2003 to 2004	LAB	20.83333333	21.66666667	GPM
WV1006584	006	2004 to 2005	LAB	21.98333333	25.55555556	GPM
WV1006681	001	2003 to 2004	LAB	10.5	11.54545455	GPM
WV1006681	001	2004 to 2005	LAB	29.8125	34.875	GPM
WV1006681	002	2003 to 2004	LAB	64.59	80.24	GPM
WV1006681	002	2004 to 2005	LAB	56.78571429	77.14285714	GPM
WV1006738	001	2003 to 2004	LAB	22.75	33.18181818	GPM
WV1006738	001	2004 to 2005	LAB	18.75	20.83333333	GPM
WV1006738	002	2003 to 2004	LAB	8.75	8.75	GPM
WV1006738	002	2004 to 2005	LAB	8.333333333	8.333333333	GPM
WV1007050	001	2003 to 2004	LAB	3	3	GPM
WV1007050	003	2003 to 2004	LAB	917	917	GPM
WV1007050	003	2004 to 2005	LAB	768.25	838.8888889	GPM
WV1007220	001	2003 to 2004	LAB	9.0625	9.375	GPM
WV1007220	001	2004 to 2005	LAB	5.625	5.625	GPM
WV1007220	003	2004 to 2005	LAB	5	5	GPM
WV1007394	001	2003 to 2004	LAB	190	217.5	GPM
WV1007394	001	2004 to 2005	LAB	135.7727273	154.6363636	GPM
WV1007424	002	2003 to 2004	LAB	1	1	GPM
WV1007424	003	2003 to 2004	LAB	1	1	GPM
WV1007432	002	2003 to 2004	LAB	2.583333333	3.5	GPM
WV1007432	002	2004 to 2005	LAB	3.3	3.4	GPM
WV1007441	001	2003 to 2004	LAB	7.071428571	10.875	GPM
WV1007441	001	2004 to 2005	LAB	17.04285714	30.5	GPM
WV1007441	005	2003 to 2004	LAB	2.46042	3.30055	GPM
WV1007441	005	2004 to 2005	LAB	58.85	105.9	GPM
WV1007441	016	2004 to 2005	LAB	1.933333333	2.733333333	GPM
WV1007441	DGR11	2003 to 2004	LAB	161.13645	199.6987429	GPM
WV1007441	DGR11	2004 to 2005	LAB	700.6	832	GPM
WV1007441	DUGR14	2003 to 2004	LAB	20.28888889	32.55555556	GPM
WV1007441	DUGR14	2004 to 2005	LAB	28.15	41.83333333	GPM
WV1007441	DWR3	2003 to 2004	LAB	139	245.5714286	GPM
WV1007441	DWR3	2004 to 2005	LAB	561	552.8333333	GPM
WV1007441	UGR12	2003 to 2004	LAB	152.467	190.8416	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1007441	UGR12	2004 to 2005	LAB	677	814	GPM
WV1007441	UWR7	2003 to 2004	LAB	90.57142857	155.875	GPM
WV1007441	UWR7	2004 to 2005	LAB	390.7142857	500	GPM
WV1007459	001	2003 to 2004	LAB	40.55555556	42.77777778	GPM
WV1007459	001	2004 to 2005	LAB	51.66666667	53.33333333	GPM
WV1007459	003	2003 to 2004	LAB	72.77777778	76.11111111	GPM
WV1007459	003	2004 to 2005	LAB	92.5	96.66666667	GPM
WV1007459	011	2003 to 2004	LAB	20	20	GPM
WV1007688	003	2003 to 2004	LAB	7203.4	7203.4	GPM
WV1007688	003	2004 to 2005	LAB	10802.5	11702.5	GPM
WV1007751	005	2003 to 2004	LAB	12.5	15	GPM
WV1007751	005	2004 to 2005	LAB	8.833333333	10.66666667	GPM
WV1007751	WT-1	2004 to 2005	LAB	100	100	GPM
WV1007751	WT-2	2004 to 2005	LAB	220	220	GPM
WV1007815	005	2004 to 2005	LAB	28	28	GPM
WV1007912	001	2003 to 2004	LAB	139.25	169.5833333	GPM
WV1007912	001	2004 to 2005	LAB	118.5416667	141.6666667	GPM
WV1007939	001	2003 to 2004	LAB	148.85	208.5	GPM
WV1007939	001	2004 to 2005	LAB	62.90909091	81.27272727	GPM
WV1007939	002	2003 to 2004	LAB	150	200	GPM
WV1007939	003	2003 to 2004	LAB	127.375	150.8333333	GPM
WV1007939	003	2004 to 2005	LAB	69.77272727	81.81818182	GPM
WV1007939	004	2003 to 2004	LAB	166.25	197.0833333	GPM
WV1007939	004	2004 to 2005	LAB	91.22727273	107	GPM
WV1007939	005	2004 to 2005	LAB	10.16666667	12.33333333	GPM
WV1007939	006	2003 to 2004	LAB	107.1666667	141.8333333	GPM
WV1007939	006	2004 to 2005	LAB	36.375	43.91666667	GPM
WV1007939	013	2004 to 2005	LAB	7.5	10	GPM
WV1007939	015	2004 to 2005	LAB	2	2	GPM
WV1007939	018	2004 to 2005	LAB	1	1	GPM
WV1007939	019	2004 to 2005	LAB	1.5	1.5	GPM
WV1007939	022	2003 to 2004	LAB	3	3	GPM
WV1007939	023	2003 to 2004	LAB	4	4	GPM
WV1007939	024	2003 to 2004	LAB	2	2	GPM
WV1007939	024	2004 to 2005	LAB	7	10	GPM
WV1007939	025	2003 to 2004	LAB	2	2	GPM
WV1007939	026	2004 to 2005	LAB	4.25	5	GPM
WV1007939	028	2003 to 2004	LAB	2	2	GPM
WV1007939	029	2003 to 2004	LAB	21.25	23.5	GPM
WV1007939	029	2004 to 2005	LAB	34.36363636	40.72727273	GPM
WV1007939	030	2003 to 2004	LAB	3.75	4	GPM
WV1007939	031	2003 to 2004	LAB	2	2	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1007939	031	2004 to 2005	LAB	5.5	6	GPM
WV1007939	040	2004 to 2005	LAB	1	1	GPM
WV1007939	043	2004 to 2005	LAB	1.75	2	GPM
WV1007939	044	2004 to 2005	LAB	2.25	3	GPM
WV1007939	046	2004 to 2005	LAB	1.833333333	2	GPM
WV1007955	004	2003 to 2004	LAB	24.3	24.5	GPM
WV1007955	004	2004 to 2005	LAB	27.1875	28.75	GPM
WV1007980	001	2004 to 2005	LAB	18.71428571	18.71428571	GPM
WV1008072	011	2003 to 2004	LAB	42	42.5	GPM
WV1008072	011	2004 to 2005	LAB	30.58333333	33.25	GPM
WV1008072	014	2003 to 2004	LAB	12.8	13	GPM
WV1008072	014	2004 to 2005	LAB	10.83333333	11.25	GPM
WV1008072	MPB	2004 to 2005	LAB	0.945555556	1.22	CFS
WV1008081	007	2003 to 2004	LAB	153.3333333	179.5833333	GPM
WV1008081	007	2004 to 2005	LAB	83.90909091	116.1818182	GPM
WV1008081	011	2003 to 2004	LAB	50.45454545	66.36363636	GPM
WV1008081	011	2004 to 2005	LAB	69.088	97.3	GPM
WV1008099	001	2003 to 2004	LAB	13.92857143	17.85714286	GPM
WV1008099	001	2004 to 2005	LAB	40.7	74.4	GPM
WV1008102	003	2003 to 2004	LAB	6.916666667	10.16666667	GPM
WV1008102	003	2004 to 2005	LAB	9.062	14.123	GPM
WV1008111	001	2003 to 2004	LAB	142.9166667	167.0833333	GPM
WV1008111	001	2004 to 2005	LAB	17.79166667	25	GPM
WV1008111	002	2003 to 2004	LAB	15	30	GPM
WV1008129	001	2003 to 2004	LAB	43.16666667	51.88888889	GPM
WV1008129	001	2004 to 2005	LAB	30.75	38.25	GPM
WV1008129	002	2003 to 2004	LAB	25.25	25.25	GPM
WV1008129	002	2004 to 2005	LAB	0.5	0.65	GPM
WV1008129	004	2003 to 2004	LAB	259.1666667	417.5	GPM
WV1008129	004	2004 to 2005	LAB	154.7916667	182.5	GPM
WV1008129	005	2003 to 2004	LAB	157.9166667	206.6666667	GPM
WV1008129	005	2004 to 2005	LAB	130.4166667	154.5833333	GPM
WV1008129	006	2003 to 2004	LAB	7.513888889	9.777777778	GPM
WV1008129	006	2004 to 2005	LAB	9.3	14.3	GPM
WV1008129	007	2003 to 2004	LAB	26.4375	46.16666667	GPM
WV1008129	007	2004 to 2005	LAB	9.15	12.4	GPM
WV1008170	003	2003 to 2004	LAB	125.6818182	141.3636364	GPM
WV1008170	003	2004 to 2005	LAB	119.675	150.0083333	GPM
WV1008170	006	2003 to 2004	LAB	20	20	GPM
WV1008170	028	2003 to 2004	LAB	3.5	4.333333333	GPM
WV1008170	028	2004 to 2005	LAB	6.041666667	6.916666667	GPM
WV1008170	030	2003 to 2004	LAB	179.4090909	235.1818182	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1008170	030	2004 to 2005	LAB	157.2916667	186.6666667	GPM
WV1008170	032	2004 to 2005	LAB	1.75	2	GPM
WV1008170	033	2004 to 2005	LAB	4	4	GPM
WV1008170	069	2004 to 2005	LAB	4.25	5	GPM
WV1008218	001	2003 to 2004	LAB	83	117	GPM
WV1008218	001	2004 to 2005	LAB	77.25	129.6	GPM
WV1008218	003	2003 to 2004	LAB	161.5	201	GPM
WV1008218	003	2004 to 2005	LAB	138.0909091	154.5454545	GPM
WV1008218	004	2003 to 2004	LAB	134	167	GPM
WV1008218	004	2004 to 2005	LAB	142.7083333	167.4166667	GPM
WV1008218	010	2003 to 2004	LAB	66	75	GPM
WV1008218	010	2004 to 2005	LAB	43.95454545	55.72727273	GPM
WV1008218	011	2003 to 2004	LAB	15	15	GPM
WV1008218	011	2004 to 2005	LAB	16	18	GPM
WV1008218	012	2004 to 2005	LAB	4.875	5.5	GPM
WV1008226	001	2003 to 2004	LAB	376	502	GPM
WV1008226	001	2004 to 2005	LAB	280	345	GPM
WV1008251	001	2003 to 2004	LAB	33.33333333	38.75	GPM
WV1008251	001	2004 to 2005	LAB	141.115	173.84125	GPM
WV1008251	002	2003 to 2004	LAB	28.33333333	32.77777778	GPM
WV1008251	002	2004 to 2005	LAB	55.62111111	74.51222222	GPM
WV1008251	003	2003 to 2004	LAB	73.615	93.75	GPM
WV1008251	003	2004 to 2005	LAB	135.0977778	154.9644444	GPM
WV1008251	008	2003 to 2004	LAB	11.58333333	14.16666667	GPM
WV1008251	008	2004 to 2005	LAB	16.14666667	27.45666667	GPM
WV1008251	009	2003 to 2004	LAB	28.95833333	34.58333333	GPM
WV1008251	009	2004 to 2005	LAB	52.24777778	68.99444444	GPM
WV1008269	003	2003 to 2004	LAB	45.79166667	63.58333333	GPM
WV1008269	003	2004 to 2005	LAB	29.01583333	37.90166667	GPM
WV1008269	009	2003 to 2004	LAB	198.3333333	255.4166667	GPM
WV1008269	009	2004 to 2005	LAB	123.4591667	186.4866667	GPM
WV1008277	001	2003 to 2004	LAB	182.2083333	218.75	GPM
WV1008277	001	2004 to 2005	LAB	107.375	124.5833333	GPM
WV1008277	002	2003 to 2004	LAB	100.2272727	135.4545455	GPM
WV1008277	002	2004 to 2005	LAB	82.95833333	113.3333333	GPM
WV1008277	003	2003 to 2004	LAB	88.13636364	114.4545455	GPM
WV1008277	003	2004 to 2005	LAB	36.875	52.25	GPM
WV1008277	005	2003 to 2004	LAB	12	12	GPM
WV1008277	005	2004 to 2005	LAB	3.5	4.333333333	GPM
WV1008277	007	2004 to 2005	LAB	1.75	2.5	GPM
WV1008277	009	2004 to 2005	LAB	35	35	GPM
WV1008277	014	2004 to 2005	LAB	1	1	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1008277	016	2004 to 2005	LAB	2.333333333	2.666666667	GPM
WV1008277	017	2004 to 2005	LAB	7.25	8.5	GPM
WV1008277	024	2004 to 2005	LAB	1.75	2	GPM
WV1008277	025	2004 to 2005	LAB	6.5	7.666666667	GPM
WV1008277	037	2003 to 2004	LAB	6.75	8	GPM
WV1008277	037	2004 to 2005	LAB	2	2.5	GPM
WV1008277	038	2003 to 2004	LAB	1.5	2	GPM
WV1008277	038	2004 to 2005	LAB	3.357142857	4.428571429	GPM
WV1008285	001	2003 to 2004	LAB	42.95	57	GPM
WV1008285	001	2004 to 2005	LAB	34.7625	61.5	GPM
WV1008285	002	2003 to 2004	LAB	45.25	64.25	GPM
WV1008285	002	2004 to 2005	LAB	27.20454545	47.68181818	GPM
WV1008285	003	2003 to 2004	LAB	44.90909091	57.09090909	GPM
WV1008285	003	2004 to 2005	LAB	26.35	36.7	GPM
WV1008285	006	2003 to 2004	LAB	33.54545455	41.81818182	GPM
WV1008285	006	2004 to 2005	LAB	30.88888889	46	GPM
WV1008285	007	2003 to 2004	LAB	3	3	GPM
WV1008285	008	2003 to 2004	LAB	5	5	GPM
WV1008285	009	2003 to 2004	LAB	34	51.5	GPM
WV1008285	009	2004 to 2005	LAB	32.5	32.5	GPM
WV1008285	010	2003 to 2004	LAB	3	3	GPM
WV1008307	001	2003 to 2004	LAB	233.3333333	238.8888889	GPM
WV1008307	001	2004 to 2005	LAB	229.1666667	250	GPM
WV1008307	EFDSMB	2003 to 2004	LAB	51755	86339	GPM
WV1008307	EFDSMB	2004 to 2005	LAB	35.02666667	43.25555556	CFS
WV1008307	EFUSMB	2003 to 2004	LAB	51050.33333	83842.33333	GPM
WV1008307	EFUSMB	2004 to 2005	LAB	33.12111111	40.85555556	CFS
WV1008307	MBDS	2004 to 2005	LAB	2.35	3.585454545	CFS
WV1008323	001	2003 to 2004	LAB	2	2	GPM
WV1008323	001	2004 to 2005	LAB	1.75	2	GPM
WV1008323	025	2004 to 2005	LAB	250	250	GPM
WV1008323	027	2003 to 2004	LAB	202.2916667	287.5	GPM
WV1008323	027	2004 to 2005	LAB	103.5416667	157.5	GPM
WV1008323	028	2003 to 2004	LAB	500	658.3333333	GPM
WV1008323	028	2004 to 2005	LAB	307.2916667	390.8333333	GPM
WV1008323	035	2003 to 2004	LAB	16.54166667	22.16666667	GPM
WV1008323	035	2004 to 2005	LAB	6.416666667	7.666666667	GPM
WV1008323	037	2003 to 2004	LAB	1.571428571	1.571428571	GPM
WV1008323	037	2004 to 2005	LAB	1.680555556	2	GPM
WV1008323	042	2004 to 2005	LAB	200	200	GPM
WV1008323	049	2004 to 2005	LAB	110.7575	178	GPM
WV1008323	058	2004 to 2005	LAB	78.5925	120.8	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1008331	001	2003 to 2004	LAB	4.75	8.5	GPM
WV1008331	001	2004 to 2005	LAB	4.8	6.8	GPM
WV1008340	003	2003 to 2004	LAB	15	15	GPM
WV1008340	004	2003 to 2004	LAB	5	5	GPM
WV1008358	001	2003 to 2004	LAB	74.66666667	90.33333333	GPM
WV1008358	001	2004 to 2005	LAB	141.6666667	157.9166667	GPM
WV1008579	001	2003 to 2004	LAB	2566.666667	2616.666667	GPM
WV1008579	001	2004 to 2005	LAB	2704.166667	2800	GPM
WV1008579	002	2003 to 2004	LAB	20.5	21.83333333	GPM
WV1008579	002	2004 to 2005	LAB	36.66666667	39.16666667	GPM
WV1008579	003	2003 to 2004	LAB	25.79166667	27.91666667	GPM
WV1008579	003	2004 to 2005	LAB	37.36083333	42.08333333	GPM
WV1008579	005	2003 to 2004	LAB	32.625	35	GPM
WV1008579	005	2004 to 2005	LAB	47.70833333	52.91666667	GPM
WV1008579	009	2003 to 2004	LAB	7.291666667	7.666666667	GPM
WV1008579	009	2004 to 2005	LAB	4.833333333	5.833333333	GPM
WV1008579	010	2003 to 2004	LAB	38.9	41	GPM
WV1008579	010	2004 to 2005	LAB	45.5	51.25	GPM
WV1008579	012	2003 to 2004	LAB	13.20833333	14.25	GPM
WV1008579	012	2004 to 2005	LAB	26.45833333	32.08333333	GPM
WV1008579	DSWS02	2003 to 2004	LAB	1225	1233.333333	GPM
WV1008579	DSWS02	2004 to 2005	LAB	1304.166667	1400	GPM
WV1008579	USWS01	2003 to 2004	LAB	812.5	816.6666667	GPM
WV1008579	USWS01	2004 to 2005	LAB	827.0833333	866.6666667	GPM
WV1008633	001	2003 to 2004	LAB	67.54545455	66.54545455	GPM
WV1008633	001	2004 to 2005	LAB	73	74	GPM
WV1008633	002	2003 to 2004	LAB	18.16666667	18.75	GPM
WV1008633	002	2004 to 2005	LAB	26.54166667	30.41666667	GPM
WV1008633	003	2003 to 2004	LAB	19.8	20	GPM
WV1008633	003	2004 to 2005	LAB	24.58333333	27.5	GPM
WV1008633	004	2003 to 2004	LAB	39.05	40.1	GPM
WV1008633	004	2004 to 2005	LAB	48.95833333	52.5	GPM
WV1008633	007	2003 to 2004	LAB	2.583333333	3.166666667	GPM
WV1008633	007	2004 to 2005	LAB	5.2	6.6	GPM
WV1008676	002	2003 to 2004	LAB	55	63.57142857	GPM
WV1008676	002	2004 to 2005	LAB	119.5833333	151.6666667	GPM
WV1008684	001	2003 to 2004	LAB	15	16.66666667	GPM
WV1008684	001	2004 to 2005	LAB	32.5	44	GPM
WV1008731	042	2003 to 2004	LAB	11.85136364	18.18181818	GPM
WV1008731	042	2004 to 2005	LAB	10	11.77777778	GPM
WV1008781	005	2003 to 2004	LAB	37.925	45.83333333	GPM
WV1008781	005	2004 to 2005	LAB	60.55555556	70	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1008781	007	2003 to 2004	LAB	19.58333333	23.33333333	GPM
WV1008781	007	2004 to 2005	LAB	70.20833333	82.08333333	GPM
WV1008889	DSNF02	2003 to 2004	LAB	85	85	CFS
WV1008889	DSNF02	2004 to 2005	LAB	58.75	66.25	CFS
WV1008901	004	2003 to 2004	LAB	32.41666667	45.5	GPM
WV1008901	004	2004 to 2005	LAB	34.35	43.3	GPM
WV1008919	001	2003 to 2004	LAB	48.5	50	GPM
WV1008919	004	2004 to 2005	LAB	14.72222222	17.22222222	GPM
WV1008919	006	2003 to 2004	LAB	35.72727273	38.45454545	GPM
WV1008919	006	2004 to 2005	LAB	10.38888889	12.22222222	GPM
WV1008978	001	2004 to 2005	LAB	22.5	25	GPM
WV1008978	003	2004 to 2005	LAB	29.16666667	36.66666667	GPM
WV1009133	001	2003 to 2004	LAB	19.72727273	24.36363636	GPM
WV1009133	001	2004 to 2005	LAB	15.66666667	17	GPM
WV1009133	008	2003 to 2004	LAB	54.83333333	62.75	GPM
WV1009133	008	2004 to 2005	LAB	63.41666667	75.16666667	GPM
WV1009133	015	2003 to 2004	LAB	5	8	GPM
WV1009133	015	2004 to 2005	LAB	8.625	9.75	GPM
WV1009133	016	2003 to 2004	LAB	35	40	GPM
WV1009133	016	2004 to 2005	LAB	36.83333333	41.5	GPM
WV1009206	001	2003 to 2004	LAB	16.72727273	23.90909091	GPM
WV1009206	001	2004 to 2005	LAB	15.16666667	21.83333333	GPM
WV1009290	005	2003 to 2004	LAB	150.3571429	164.7142857	GPM
WV1009290	005	2004 to 2005	LAB	78.25	80.5	GPM
WV1009290	011	2003 to 2004	LAB	279.7857143	314.1428571	GPM
WV1009290	011	2004 to 2005	LAB	196.25	197.5	GPM
WV1009311	003	2003 to 2004	LAB	76.25	84.16666667	GPM
WV1009311	003	2004 to 2005	LAB	79.70833333	99	GPM
WV1009311	005	2003 to 2004	LAB	131.25	145.8333333	GPM
WV1009311	005	2004 to 2005	LAB	171.0416667	200	GPM
WV1009311	006	2003 to 2004	LAB	222.9166667	237.9166667	GPM
WV1009311	006	2004 to 2005	LAB	312.5	366.6666667	GPM
WV1009311	017	2003 to 2004	LAB	437.5	450	GPM
WV1009311	017	2004 to 2005	LAB	137.7272727	168.1818182	GPM
WV1009354	001	2003 to 2004	LAB	5.166666667	7.25	GPM
WV1009354	001	2004 to 2005	LAB	8.916666667	10	GPM
WV1009354	002	2004 to 2005	LAB	5	5	GPM
WV1009931	001	2003 to 2004	LAB	0.6	2.8	GPM
WV1009931	002	2003 to 2004	LAB	4	8.666666667	GPM
WV1009931	003	2003 to 2004	LAB	45.22727273	47.5	GPM
WV1009931	003	2004 to 2005	LAB	35	36.66666667	GPM
WV1009931	004	2004 to 2005	LAB	35	40	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1009931	303	2004 to 2005	LAB	42.5	45	GPM
WV1009974	003	2003 to 2004	LAB	22.91666667	27.08333333	GPM
WV1009974	003	2004 to 2005	LAB	26.22222222	32.33333333	GPM
WV1010026	001	2003 to 2004	LAB	110.1818182	110.1818182	GPM
WV1010026	001	2003 to 2004	LAB		0.0025	GPM
WV1010026	001	2004 to 2005	LAB	120	120	GPM
WV1010051	001	2003 to 2004	LAB	1.5	1.727272727	GPM
WV1010051	001	2004 to 2005	LAB	1.340909091	1.5	GPM
WV1010051	002	2003 to 2004	LAB	1.454545455	1.636363636	GPM
WV1010051	002	2004 to 2005	LAB	1.340909091	1.5	GPM
WV1010051	003	2004 to 2005	LAB	2	2	GPM
WV1010051	004	2004 to 2005	LAB	1	1	GPM
WV1010069	001	2003 to 2004	LAB	26.45833333	27.83333333	GPM
WV1010069	001	2004 to 2005	LAB	23.02272727	25.54545455	GPM
WV1010077	001	2003 to 2004	LAB	9.916666667	9.958333333	GPM
WV1010077	001	2004 to 2005	LAB	9.954545455	10	GPM
WV1010115	001	2003 to 2004	LAB	23.875	27.5	GPM
WV1010115	001	2004 to 2005	LAB	14.1875	15	GPM
WV1010221	001	2003 to 2004	LAB	25	25	GPM
WV1010221	001	2004 to 2005	LAB	47.50727273	56.81818182	GPM
WV1010221	018	2003 to 2004	LAB	36.25	39.5	GPM
WV1010221	018	2004 to 2005	LAB	35	42.08333333	GPM
WV1010255	003	2003 to 2004	LAB	3	3	GPM
WV1010255	004	2003 to 2004	LAB	2.75	2.75	GPM
WV1010255	005	2003 to 2004	LAB	12	12	GPM
WV1010255	005	2004 to 2005	LAB	4.666666667	4.666666667	GPM
WV1010255	006	2003 to 2004	LAB	8.666666667	8.666666667	GPM
WV1010255	006	2004 to 2005	LAB	4.333333333	4.333333333	GPM
WV1010361	001	2003 to 2004	LAB	9.875	9.916666667	GPM
WV1010361	001	2004 to 2005	LAB	10	10	GPM
WV1010395	001	2003 to 2004	LAB	11.61363636	13.77272727	GPM
WV1010395	001	2004 to 2005	LAB	27.8125	31.875	GPM
WV1010417	001	2003 to 2004	LAB	47.91666667	47.91666667	GPM
WV1010417	001	2004 to 2005	LAB	51.04166667	52.08333333	GPM
WV1010417	002	2003 to 2004	LAB	47.29166667	47.91666667	GPM
WV1010417	002	2004 to 2005	LAB	50	50	GPM
WV1010417	003	2003 to 2004	LAB	47.29166667	52.08333333	GPM
WV1010417	003	2004 to 2005	LAB	39.58333333	41.66666667	GPM
WV1010514	001	2003 to 2004	LAB	33.21428571	39.28571429	GPM
WV1010514	001	2004 to 2005	LAB	45.21666667	72.925	GPM
WV1010557	001	2003 to 2004	LAB	30.25	35.5	GPM
WV1010557	001	2004 to 2005	LAB	46.3125	73.33333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1010581	001	2004 to 2005	LAB	20.83333333	26.66666667	GPM
WV1010689	039	2004 to 2005	LAB	311.5	335	GPM
WV1010689	042	2003 to 2004	LAB	465.625	525.8333333	GPM
WV1010689	042	2004 to 2005	LAB	218.2333333	259.5833333	GPM
WV1010689	043	2003 to 2004	LAB	61.66666667	66.66666667	GPM
WV1010689	043	2004 to 2005	LAB	225.7142857	268.5714286	GPM
WV1010689	044	2003 to 2004	LAB	504	504	GPM
WV1010689	044	2004 to 2005	LAB	140.7142857	155.7142857	GPM
WV1010735	001	2003 to 2004	LAB	103.125	130	GPM
WV1010735	001	2004 to 2005	LAB	21.14545455	28.72727273	GPM
WV1010778	001	2003 to 2004	LAB	97.66666667	123.5833333	GPM
WV1010778	001	2004 to 2005	LAB	76.12083333	91.525	GPM
WV1010778	002	2003 to 2004	LAB	241.25	270.8333333	GPM
WV1010778	002	2004 to 2005	LAB	128.7091667	159.85	GPM
WV1010778	009	2003 to 2004	LAB	6.090909091	8.727272727	GPM
WV1010778	011	2003 to 2004	LAB	6.791666667	9.416666667	GPM
WV1010778	011	2004 to 2005	LAB	75.90571429	144.4885714	GPM
WV1010822	001	2003 to 2004	LAB	48.61111111	72.77777778	GPM
WV1010822	001	2004 to 2005	LAB	34.516	40.368	GPM
WV1010859	001	2003 to 2004	LAB	153.1818182	155.4545455	GPM
WV1010859	001	2004 to 2005	LAB	87.5	100	GPM
WV1010859	002	2003 to 2004	LAB	11	11.42857143	GPM
WV1010859	002	2004 to 2005	LAB	6.875	7.5	GPM
WV1010859	003	2003 to 2004	LAB	58.75	58.75	GPM
WV1010859	003	2004 to 2005	LAB	29.16666667	31.25	GPM
WV1010859	004	2003 to 2004	LAB	7	7.142857143	GPM
WV1010859	004	2004 to 2005	LAB	3.8125	4.625	GPM
WV1010913	001	2003 to 2004	LAB	0.1	0.1	GPM
WV1010913	001	2004 to 2005	LAB	0.01	0.01	GPM
WV1010921	001	2003 to 2004	LAB	221.1666667	276.6666667	GPM
WV1010921	001	2004 to 2005	LAB	423.8333333	604.1666667	GPM
WV1010921	003	2003 to 2004	LAB	278.4166667	332.1666667	GPM
WV1010921	003	2004 to 2005	LAB	500.5	766.6666667	GPM
WV1010921	010	2003 to 2004	LAB	1	1	GPM
WV1010921	010	2004 to 2005	LAB	1	1	GPM
WV1010921	011	2003 to 2004	LAB	1	2	GPM
WV1010921	011	2004 to 2005	LAB	1	3	GPM
WV1010921	013	2003 to 2004	LAB	2	4	GPM
WV1010921	013	2004 to 2005	LAB	2.5	4	GPM
WV1010921	014	2004 to 2005	LAB	2	4	GPM
WV1010921	015	2004 to 2005	LAB	2	3.5	GPM
WV1010921	016	2004 to 2005	LAB	1.5	2	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1010921	018	2004 to 2005	LAB	2	3.5	GPM
WV1010921	021	2003 to 2004	LAB	1	3	GPM
WV1010921	022	2003 to 2004	LAB	1	2	GPM
WV1010921	022	2004 to 2005	LAB	1	2	GPM
WV1010921	023	2003 to 2004	LAB	1	1.5	GPM
WV1010921	027	2003 to 2004	LAB	3.25	4.416666667	GPM
WV1010921	027	2004 to 2005	LAB	2.6	3.5	GPM
WV1010921	029	2004 to 2005	LAB	2	3	GPM
WV1010921	031	2003 to 2004	LAB	5.333333333	7.083333333	GPM
WV1010921	031	2004 to 2005	LAB	5.916666667	8.75	GPM
WV1010921	033	2004 to 2005	LAB	2	3	GPM
WV1010921	034	2003 to 2004	LAB	1	2	GPM
WV1010921	034	2004 to 2005	LAB	1	2	GPM
WV1010921	035	2003 to 2004	LAB	3	6	GPM
WV1010921	035	2004 to 2005	LAB	1	1.5	GPM
WV1010921	036	2003 to 2004	LAB	2	3	GPM
WV1010921	036	2004 to 2005	LAB	1	3	GPM
WV1010921	039	2003 to 2004	LAB	1	3	GPM
WV1010921	039	2004 to 2005	LAB	2	3	GPM
WV1010921	042	2004 to 2005	LAB	2	4	GPM
WV1010921	043	2003 to 2004	LAB	2	3	GPM
WV1010921	043	2004 to 2005	LAB	2.5	4.5	GPM
WV1010921	044	2003 to 2004	LAB	3	5	GPM
WV1010921	044	2004 to 2005	LAB	4	8	GPM
WV1010921	045	2004 to 2005	LAB	1	1	GPM
WV1010921	046	2003 to 2004	LAB	5	10	GPM
WV1010921	046	2004 to 2005	LAB	1.4	2	GPM
WV1010921	047	2003 to 2004	LAB	2	3.5	GPM
WV1010921	047	2004 to 2005	LAB	2.333333333	4.333333333	GPM
WV1010921	048	2003 to 2004	LAB	1	2	GPM
WV1010921	048	2004 to 2005	LAB	3	5	GPM
WV1010921	049	2003 to 2004	LAB	2	3	GPM
WV1010921	049	2004 to 2005	LAB	3	5.333333333	GPM
WV1010930	020	2004 to 2005	LAB	732.1428571	757.1428571	GPM
WV1010930	022	2003 to 2004	LAB	235.8333333	254.1666667	GPM
WV1010930	022	2004 to 2005	LAB	205	222.0833333	GPM
WV1010948	003	2003 to 2004	LAB	72.58333333	117.4166667	GPM
WV1010948	003	2004 to 2005	LAB	35.33333333	49.66666667	GPM
WV1010948	004	2003 to 2004	LAB	91	139.6666667	GPM
WV1010948	004	2004 to 2005	LAB	30.83333333	37.75	GPM
WV1010972	001	2004 to 2005	LAB	32.4325	57.72	GPM
WV1011031	001	2003 to 2004	LAB	65.5	97	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1011031	002	2003 to 2004	LAB	11.91666667	15.5	GPM
WV1011031	003	2003 to 2004	LAB	12	12	GPM
WV1011031	005	2003 to 2004	LAB	8.833333333	9	GPM
WV1011031	006	2003 to 2004	LAB	11.2	11.4	GPM
WV1011031	007	2003 to 2004	LAB	10.5	11.66666667	GPM
WV1011057	001	2003 to 2004	LAB	23.16666667	41	GPM
WV1011057	001	2004 to 2005	LAB	15.58333333	16.66666667	GPM
WV1011111	001	2003 to 2004	LAB	25	25	GPM
WV1011111	001	2004 to 2005	LAB	0.25	0.25	GPM
WV1011111	002	2003 to 2004	LAB	14.6	14.6	GPM
WV1011111	002	2004 to 2005	LAB	1	1	GPM
WV1011111	003	2003 to 2004	LAB	14.625	22.63636364	GPM
WV1011111	003	2004 to 2005	LAB	5.5	5.8	GPM
WV1011111	004	2003 to 2004	LAB	38.86574444	60.55555556	GPM
WV1011111	004	2004 to 2005	LAB	18.83333333	20	GPM
WV1011111	005	2003 to 2004	LAB	43.83333333	43.83333333	GPM
WV1011111	006	2003 to 2004	LAB	70	70	GPM
WV1011111	006	2004 to 2005	LAB	3	4	GPM
WV1011111	009	2003 to 2004	LAB	261.3125	480	GPM
WV1011111	009	2004 to 2005	LAB	17.25	21	GPM
WV1011111	012	2003 to 2004	LAB	3	3.5	GPM
WV1011111	013	2003 to 2004	LAB	1812.5	1812.5	GPM
WV1011111	013	2004 to 2005	LAB	1420	1420	GPM
WV1011111	017	2003 to 2004	LAB	16.3	19.6	GPM
WV1011120	001	2003 to 2004	LAB	1072	2047.166667	GPM
WV1011120	001	2004 to 2005	LAB	525	907.3333333	GPM
WV1011120	005	2004 to 2005	LAB	19	37	GPM
WV1011120	008	2004 to 2005	LAB	56.90909091	89.09090909	GPM
WV1011120	010	2003 to 2004	LAB	18	26.58333333	GPM
WV1011120	010	2004 to 2005	LAB	12	17.27272727	GPM
WV1011120	012	2003 to 2004	LAB	482.3333333	808.8333333	GPM
WV1011120	012	2004 to 2005	LAB	125.3333333	174.5	GPM
WV1011138	001	2003 to 2004	LAB	49.18181818	58.90909091	GPM
WV1011138	001	2004 to 2005	LAB	74.58333333	86.66666667	GPM
WV1011138	DIC	2003 to 2004	LAB	1.42	1.47	CFS
WV1011138	UIC	2003 to 2004	LAB	1.04	1.06	CFS
WV1011146	002	2004 to 2005	LAB	198.875	333.125	GPM
WV1011146	003	2004 to 2005	LAB	1005.875	1455.375	GPM
WV1011154	001	2003 to 2004	LAB	290.8333333	327.5	GPM
WV1011154	001	2004 to 2005	LAB	294.375	330	GPM
WV1011154	002	2003 to 2004	LAB	334.7916667	380	GPM
WV1011154	002	2004 to 2005	LAB	346.7916667	399.1666667	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1011154	003	2003 to 2004	LAB	112.2916667	141.25	GPM
WV1011154	003	2004 to 2005	LAB	110.4333333	137.9166667	GPM
WV1011154	012	2003 to 2004	LAB	91.875	115	GPM
WV1011154	012	2004 to 2005	LAB	95.20833333	112.5	GPM
WV1011162	001	2003 to 2004	LAB	51.45833333	73.04166667	GPM
WV1011162	001	2004 to 2005	LAB	51.70833333	64.41666667	GPM
WV1011162	002	2003 to 2004	LAB	6.954545455	9.409090909	GPM
WV1011162	002	2004 to 2005	LAB	3.895833333	4.708333333	GPM
WV1011162	003	2003 to 2004	LAB	3.125	4.083333333	GPM
WV1011162	003	2004 to 2005	LAB	3.375	3.875	GPM
WV1011162	005	2003 to 2004	LAB	163.625	187.2916667	GPM
WV1011162	005	2004 to 2005	LAB	154.625	175.8333333	GPM
WV1011162	006	2003 to 2004	LAB	87.45833333	113.6666667	GPM
WV1011162	006	2004 to 2005	LAB	80.08333333	104.25	GPM
WV1011235	001	2003 to 2004	LAB		2	GPM
WV1011235	003	2003 to 2004	LAB	8.2	6.916666667	GPM
WV1011235	003	2004 to 2005	LAB	3	3	GPM
WV1011235	004	2003 to 2004	LAB	13.175	14.8	GPM
WV1011235	004	2004 to 2005	LAB	10	10	GPM
WV1011235	005	2003 to 2004	LAB	11.25	10.8	GPM
WV1011235	005	2004 to 2005	LAB	11.66666667	11.66666667	GPM
WV1011243	001	2003 to 2004	LAB	12.4375	18.125	GPM
WV1011243	001	2004 to 2005	LAB	9.833333333	12.66666667	GPM
WV1011243	002	2003 to 2004	LAB	28.02083333	50.33333333	GPM
WV1011243	002	2004 to 2005	LAB	6.722222222	7.444444444	GPM
WV1011286	015	2003 to 2004	LAB	35.66666667	46.8	GPM
WV1011286	015	2004 to 2005	LAB	45.83333333	49.16666667	GPM
WV1011286	016	2003 to 2004	LAB	24.58333333	29.58333333	GPM
WV1011286	016	2004 to 2005	LAB	22.83333333	27.08333333	GPM
WV1011316	003	2003 to 2004	LAB	90.55555556	97.22222222	GPM
WV1011316	003	2004 to 2005	LAB	151.1666667	206.9166667	GPM
WV1011316	004	2003 to 2004	LAB	75	75.55555556	GPM
WV1011316	004	2004 to 2005	LAB	73.35416667	79.58333333	GPM
WV1011359	001	2003 to 2004	LAB	0.25	0.5	GPM
WV1011359	002	2003 to 2004	LAB	2.5	5	GPM
WV1011359	002	2004 to 2005	LAB	0.291666667	0.583333333	GPM
WV1011375	001	2003 to 2004	LAB	17.40428571	18.04714286	GPM
WV1011375	001	2004 to 2005	LAB	99.58333333	99.58333333	GPM
WV1011375	GW-1	2004 to 2005	LAB	0.005198667	0.007983667	CFS
WV1011448	002	2003 to 2004	LAB	10	10	GPM
WV1011456	001	2003 to 2004	LAB	145.5416667	216.5833333	GPM
WV1011456	001	2004 to 2005	LAB	203.6272727	271.4545455	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1011456	002	2003 to 2004	LAB	1.375	1.5	GPM
WV1011456	002	2004 to 2005	LAB	1.833333333	2.083333333	GPM
WV1011456	G-10	2003 to 2004	LAB	1.925	1.925	GPM
WV1011456	G-10	2004 to 2005	LAB	2.375	2.375	GPM
WV1011456	G-14	2003 to 2004	LAB	1.825	1.825	GPM
WV1011456	G-14	2004 to 2005	LAB	5.025	5.025	GPM
WV1011456	G-5	2003 to 2004	LAB	0.95	0.95	GPM
WV1011456	G-5	2004 to 2005	LAB	1.575	1.575	GPM
WV1011456	G-7	2003 to 2004	LAB	2.025	2.025	GPM
WV1011456	G-7	2004 to 2005	LAB	3.075	3.075	GPM
WV1011545	001	2003 to 2004	LAB	32552.45	49748.33333	GPM
WV1011545	001	2004 to 2005	LAB	22470.83333	32783.33333	GPM
WV1011570	001	2003 to 2004	LAB	38.70083333	60.66583333	GPM
WV1011570	001	2004 to 2005	LAB	24.04166667	27.16666667	GPM
WV1011570	004	2003 to 2004	LAB	114.2508333	180.1975	GPM
WV1011570	004	2004 to 2005	LAB	111.8158333	164.2166667	GPM
WV1011596	001	2003 to 2004	LAB	96.8675	131.9675	GPM
WV1011596	001	2004 to 2005	LAB	42.93666667	55.41666667	GPM
WV1011596	002	2003 to 2004	LAB	1	1	GPM
WV1011596	003	2004 to 2005	LAB	2.333333333	2.333333333	GPM
WV1011596	004	2003 to 2004	LAB	1.71875	1.8125	GPM
WV1011596	004	2004 to 2005	LAB	6	7.071428571	GPM
WV1011596	GW-6	2003 to 2004	LAB	880858.75	880858.75	GPM
WV1011626	003	2003 to 2004	LAB	200	200	GPM
WV1011626	003	2004 to 2005	LAB	116.6666667	116.6666667	GPM
WV1011634	001	2003 to 2004	LAB	9.421875	10.84375	GPM
WV1011634	001	2004 to 2005	LAB	10	13.28571429	GPM
WV1011634	GW-2	2003 to 2004	LAB	10.25	10.5	GPM
WV1011634	GW-2	2004 to 2005	LAB	6.5	6.5	GPM
WV1011642	001	2003 to 2004	LAB	99.16666667	118.3333333	GPM
WV1011642	001	2004 to 2005	LAB	219.2222222	251.1111111	GPM
WV1011651	001	2003 to 2004	LAB	4.583333333	4.583333333	GPM
WV1011651	002	2003 to 2004	LAB	21.58333333	25.5	GPM
WV1011651	002	2004 to 2005	LAB	27.5	29.44444444	GPM
WV1011693	001	2003 to 2004	LAB	11	11	GPM
WV1011693	004	2003 to 2004	LAB	7.4375	8	GPM
WV1011693	004	2004 to 2005	LAB	7.25	7.5	GPM
WV1011715	001	2003 to 2004	LAB	11	12.5	GPM
WV1011715	001	2004 to 2005	LAB	12.87878727	14.45454545	GPM
WV1011715	003	2003 to 2004	LAB	18.29166667	23.16666667	GPM
WV1011715	003	2004 to 2005	LAB	26.16666636	31.36363636	GPM
WV1011715	006	2004 to 2005	LAB	11.25	13	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1011723	001	2003 to 2004	LAB	45	55	GPM
WV1011723	001	2004 to 2005	LAB	46.25	49.5	GPM
WV1011731	001	2003 to 2004	LAB	62.33333333	73.33333333	GPM
WV1011731	001	2004 to 2005	LAB	887.3333333	1495	GPM
WV1011731	002	2003 to 2004	LAB	13425.02381	16547.14286	GPM
WV1011731	002	2004 to 2005	LAB	15978.92857	16701.42857	GPM
WV1011731	003	2003 to 2004	LAB	2.541666667	3	GPM
WV1011731	003	2004 to 2005	LAB	4	4	GPM
WV1011740	001	2004 to 2005	LAB	67.5	67.5	GPM
WV1011740	002	2004 to 2005	LAB	4	4	GPM
WV1011740	003	2003 to 2004	LAB	3.071428571	3.428571429	GPM
WV1011740	003	2004 to 2005	LAB	3	3.333333333	GPM
WV1011740	004	2003 to 2004	LAB	2.5	3.285714286	GPM
WV1011740	004	2004 to 2005	LAB	2.125	2.25	GPM
WV1011791	001	2003 to 2004	LAB	253.125	407.5	GPM
WV1011791	001	2004 to 2005	LAB	141.6666667	173.3333333	GPM
WV1011791	002	2003 to 2004	LAB	309.1666667	463.3333333	GPM
WV1011791	002	2004 to 2005	LAB	160.5555556	233.3333333	GPM
WV1011821	001	2003 to 2004	LAB	43.08333333	60	GPM
WV1011821	001	2004 to 2005	LAB	55.66666667	76.5	GPM
WV1011821	DTWB-2	2003 to 2004	LAB	280	466.6666667	GPM
WV1011821	DTWB-2	2004 to 2005	LAB	222.7083333	278.3333333	GPM
WV1011839	001	2004 to 2005	LAB	25.83333333	29.16666667	GPM
WV1011855	001	2003 to 2004	LAB	24.16666667	29.58333333	GPM
WV1011855	001	2004 to 2005	LAB	43.54166667	52.08333333	GPM
WV1011910	001	2004 to 2005	LAB	7	8.2	GPM
WV1011936	001	2003 to 2004	LAB	164.2916667	199.4166667	GPM
WV1011936	001	2004 to 2005	LAB	148.75	186.6666667	GPM
WV1011961	001	2003 to 2004	LAB	1.114583333	1.5625	GPM
WV1011961	001	2004 to 2005	LAB	68.375	85.375	GPM
WV1011961	008	2003 to 2004	LAB	450	450	GPM
WV1011961	008	2004 to 2005	LAB	466.6666667	466.6666667	GPM
WV1011995	001	2003 to 2004	LAB	5.416666667	9	GPM
WV1011995	001	2004 to 2005	LAB	4.041666667	4.291666667	GPM
WV1012029	001	2003 to 2004	LAB	21.22727273	25.72727273	GPM
WV1012029	001	2004 to 2005	LAB	31	50	GPM
WV1012029	002	2003 to 2004	LAB	9.25	9.5	GPM
WV1012029	002	2004 to 2005	LAB	10	10	GPM
WV1012126	001	2003 to 2004	LAB	16.66666667	16.66666667	GPM
WV1012126	001	2004 to 2005	LAB	15.75	17	GPM
WV1012193	008	2003 to 2004	LAB	32.39583333	37.08333333	GPM
WV1012193	008	2004 to 2005	LAB	92.29166667	98.33333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1012193	014	2003 to 2004	LAB	88.75	106.6666667	GPM
WV1012193	014	2004 to 2005	LAB	202.0833333	233.3333333	GPM
WV1012207	001	2003 to 2004	LAB	21.71428571	32	GPM
WV1012207	001	2004 to 2005	LAB	5	5	GPM
WV1012258	001	2003 to 2004	LAB	13.55	18.3	GPM
WV1012258	001	2004 to 2005	LAB	0.11	0.11	GPM
WV1012398	001	2003 to 2004	LAB	15	11.5	GPM
WV1012398	001	2004 to 2005	LAB	27.5	27.5	GPM
WV1012401	003	2003 to 2004	LAB	15.25	17.16666667	GPM
WV1012401	003	2004 to 2005	LAB	6	6	GPM
WV1012401	004	2003 to 2004	LAB	127.9166667	160.4166667	GPM
WV1012401	004	2004 to 2005	LAB	125.0258333	145.8333333	GPM
WV1012401	007	2003 to 2004	LAB	137.5	185.4166667	GPM
WV1012401	007	2004 to 2005	LAB	131.9166667	147.5833333	GPM
WV1012401	008	2003 to 2004	LAB	214.7216667	334.61	GPM
WV1012401	008	2004 to 2005	LAB	301.8472727	437.7272727	GPM
WV1012401	009	2003 to 2004	LAB	120	120.5	GPM
WV1012401	009	2004 to 2005	LAB	5.375	9	GPM
WV1012452	001	2003 to 2004	LAB	15.9375	19.375	GPM
WV1012452	001	2004 to 2005	LAB	19.375	20	GPM
WV1012452	002	2003 to 2004	LAB	32.95454545	36.81818182	GPM
WV1012452	002	2004 to 2005	LAB	44	54.5	GPM
WV1012452	003	2003 to 2004	LAB	15	16.11111111	GPM
WV1012452	003	2004 to 2005	LAB	26	28	GPM
WV1012452	004	2003 to 2004	LAB	15	15	GPM
WV1012452	006	2003 to 2004	LAB	21.25	27.5	GPM
WV1012452	006	2004 to 2005	LAB	16.875	17.5	GPM
WV1012452	009	2003 to 2004	LAB	85.83333333	115	GPM
WV1012452	009	2004 to 2005	LAB	170.2083333	203.3333333	GPM
WV1012452	011	2003 to 2004	LAB	73.125	87.5	GPM
WV1012452	011	2004 to 2005	LAB	160.625	177.5	GPM
WV1012452	012	2003 to 2004	LAB	68.33333333	94.58333333	GPM
WV1012452	012	2004 to 2005	LAB	118.9166667	137.4166667	GPM
WV1012452	014	2003 to 2004	LAB	378.3333333	483.3333333	GPM
WV1012452	014	2004 to 2005	LAB	569.1666667	716.6666667	GPM
WV1012452	015	2003 to 2004	LAB	94.375	132.0833333	GPM
WV1012452	015	2004 to 2005	LAB	72.70833333	93.33333333	GPM
WV1012452	021	2003 to 2004	LAB	198	280	GPM
WV1012452	021	2004 to 2005	LAB	107.75	115.5	GPM
WV1012461	001	2004 to 2005	LAB	450	450	GPM
WV1012461	002	2003 to 2004	LAB	113.75	119.1666667	GPM
WV1012461	002	2004 to 2005	LAB	161.875	182.0833333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1012461	005	2003 to 2004	LAB	689.9166667	695	GPM
WV1012461	005	2004 to 2005	LAB	773	781	GPM
WV1012461	017	2003 to 2004	LAB	179	190.6666667	GPM
WV1012461	017	2004 to 2005	LAB	228.5416667	235.4166667	GPM
WV1012461	024	2003 to 2004	LAB	137.5	142.7083333	GPM
WV1012461	024	2004 to 2005	LAB	190.8333333	202.0833333	GPM
WV1012461	027	2003 to 2004	LAB	261.125	266.3333333	GPM
WV1012461	027	2004 to 2005	LAB	307.5	315.4166667	GPM
WV1012461	028	2003 to 2004	LAB	273.6666667	278.75	GPM
WV1012461	028	2004 to 2005	LAB	322.5	330.4166667	GPM
WV1012487	005	2003 to 2004	LAB	281.25	377.0833333	GPM
WV1012487	005	2004 to 2005	LAB	238.3333333	322.5	GPM
WV1012487	006	2003 to 2004	LAB	367.0833333	495.8333333	GPM
WV1012487	006	2004 to 2005	LAB	335.4166667	456.25	GPM
WV1012487	027	2003 to 2004	LAB	288.5416667	366.6666667	GPM
WV1012487	027	2004 to 2005	LAB	175.4166667	220.8333333	GPM
WV1012487	030	2003 to 2004	LAB	103.4375	135	GPM
WV1012487	030	2004 to 2005	LAB	81.3375	134.75	GPM
WV1012487	075	2003 to 2004	LAB	6.85	8.8	GPM
WV1012487	076	2003 to 2004	LAB	5.636363636	7.727272727	GPM
WV1012487	076	2004 to 2005	LAB	2.5	3	GPM
WV1012487	078	2003 to 2004	LAB	5.954545455	7.636363636	GPM
WV1012487	078	2004 to 2005	LAB	4	4.75	GPM
WV1012487	082	2004 to 2005	LAB	15	15	GPM
WV1012487	083	2003 to 2004	LAB	11.72727273	13.72727273	GPM
WV1012487	083	2004 to 2005	LAB	9.416666667	12.5	GPM
WV1012487	122	2003 to 2004	LAB	5.722222222	6.555555556	GPM
WV1012487	122	2004 to 2005	LAB	1.916666667	2.5	GPM
WV1012487	201	2003 to 2004	LAB	56.13636364	90.90909091	GPM
WV1012487	201	2004 to 2005	LAB	28.54166667	48.75	GPM
WV1012487	202	2003 to 2004	LAB	78.18181818	127.2727273	GPM
WV1012487	202	2004 to 2005	LAB	35.20833333	58.66666667	GPM
WV1012550	003	2003 to 2004	LAB	9.5	9.5	GPM
WV1012550	007	2003 to 2004	LAB	28	28	GPM
WV1012584	001	2003 to 2004	LAB	176.1363636	193.1818182	GPM
WV1012584	001	2004 to 2005	LAB	111.4583333	124.5833333	GPM
WV1012592	008	2003 to 2004	LAB	119.375	128.75	GPM
WV1012592	008	2004 to 2005	LAB	217.7083333	275	GPM
WV1012631	004	2003 to 2004	LAB	1.25	1.25	GPM
WV1012746	001	2003 to 2004	LAB	18.13454545	22.54181818	GPM
WV1012746	001	2004 to 2005	LAB	65.8	75.8	GPM
WV1012878	007	2003 to 2004	LAB	10	10	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1012886	001	2003 to 2004	LAB	119.7916667	136.25	GPM
WV1012886	001	2004 to 2005	LAB	142.0227273	154.5454545	GPM
WV1012886	002	2003 to 2004	LAB	20.27272727	34.81818182	GPM
WV1012886	002	2004 to 2005	LAB	4.85	7.1	GPM
WV1012886	008	2003 to 2004	LAB	2.5	2.5	GPM
WV1012886	008	2004 to 2005	LAB	2.5	2.666666667	GPM
WV1012886	013	2003 to 2004	LAB	10.11111108	12.16666667	GPM
WV1012886	013	2004 to 2005	LAB	33.75	36.66666667	GPM
WV1012886	019	2003 to 2004	LAB	15.20833333	20.16666667	GPM
WV1012886	019	2004 to 2005	LAB	34.04166667	37.5	GPM
WV1012932	001	2003 to 2004	LAB	61.66666667	77.22222222	GPM
WV1012932	001	2004 to 2005	LAB	51.45833333	57.5	GPM
WV1012975	002	2004 to 2005	LAB	15	20	GPM
WV1012975	006	2003 to 2004	LAB	1	1	GPM
WV1012975	019	2003 to 2004	LAB	4.5	4.5	GPM
WV1012975	019	2004 to 2005	LAB	4	4	GPM
WV1013009	001	2003 to 2004	LAB	25	25	GPM
WV1013009	003	2003 to 2004	LAB	7.555555556	7.777777778	GPM
WV1013009	003	2004 to 2005	LAB	7.083333333	7.916666667	GPM
WV1013009	004	2003 to 2004	LAB	56	57.5	GPM
WV1013009	004	2004 to 2005	LAB	34.16666667	35.55555556	GPM
WV1013009	006	2003 to 2004	LAB	16.33333333	16.66666667	GPM
WV1013009	006	2004 to 2005	LAB	17.91666667	18.75	GPM
WV1013076	001	2003 to 2004	LAB	111.95	148.7	GPM
WV1013076	001	2004 to 2005	LAB	90.83333333	100.4166667	GPM
WV1013076	002	2003 to 2004	LAB	159.4	225	GPM
WV1013076	002	2004 to 2005	LAB	93.58333333	101.6666667	GPM
WV1013076	003	2003 to 2004	LAB	39.25	46	GPM
WV1013076	003	2004 to 2005	LAB	69	73.41666667	GPM
WV1013076	011	2003 to 2004	LAB	53.33333333	102.3333333	GPM
WV1013076	012	2003 to 2004	LAB	30.9375	33.125	GPM
WV1013076	012	2004 to 2005	LAB	33	33.91666667	GPM
WV1013076	016	2003 to 2004	LAB	1	1	GPM
WV1013076	017	2003 to 2004	LAB	1.666666667	1.666666667	GPM
WV1013076	018	2004 to 2005	LAB	65.58333333	67.83333333	GPM
WV1013076	019	2003 to 2004	LAB	2	2	GPM
WV1013076	023	2003 to 2004	LAB	52	73.5	GPM
WV1013076	023	2004 to 2005	LAB	99.29166667	106.1666667	GPM
WV1013076	026	2003 to 2004	LAB	3	3	GPM
WV1013076	028	2003 to 2004	LAB	114	136	GPM
WV1013076	028	2004 to 2005	LAB	58.45833333	77.33333333	GPM
WV1013076	029	2003 to 2004	LAB	4	4	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1013076	030	2003 to 2004	LAB	90.5	116	GPM
WV1013076	030	2004 to 2005	LAB	49.125	65.83333333	GPM
WV1013076	031	2003 to 2004	LAB	100	100	GPM
WV1013076	031	2004 to 2005	LAB	81.66666667	96.66666667	GPM
WV1013076	032	2003 to 2004	LAB	33.88888889	45	GPM
WV1013076	032	2004 to 2005	LAB	56	61.5	GPM
WV1013076	036	2003 to 2004	LAB	34	41.88888889	GPM
WV1013076	036	2004 to 2005	LAB	53.86363636	54.72727273	GPM
WV1013106	001	2003 to 2004	LAB	62.7	103.4	GPM
WV1013106	002	2003 to 2004	LAB	61.1	102.6	GPM
WV1013106	035	2003 to 2004	LAB	18.7	32.1	GPM
WV1013114	001	2003 to 2004	LAB	220.3	248.8	GPM
WV1013114	001	2004 to 2005	LAB	111.5	113	GPM
WV1013114	005	2003 to 2004	LAB	15	15	GPM
WV1013149	DKC	2004 to 2005	LAB	40.34888889	48.12444444	CFS
WV1013149	UKC	2004 to 2005	LAB	12.19333333	16.03111111	CFS
WV1013173	001	2003 to 2004	LAB	87.68181818	113.5454545	GPM
WV1013173	001	2004 to 2005	LAB	85	106.25	GPM
WV1013173	002	2003 to 2004	LAB	6.954545455	10.5	GPM
WV1013173	002	2004 to 2005	LAB	10.25	14.91666667	GPM
WV1013173	003	2003 to 2004	LAB	59.55681818	82.45454545	GPM
WV1013173	003	2004 to 2005	LAB	20.125	29.30555556	GPM
WV1013203	001	2003 to 2004	LAB	32.04545455	36.81818182	GPM
WV1013203	001	2004 to 2005	LAB	30.59090909	36.36363636	GPM
WV1013203	006	2003 to 2004	LAB	50.20833333	66.66666667	GPM
WV1013203	006	2004 to 2005	LAB	47.29166667	60.41666667	GPM
WV1013203	007	2003 to 2004	LAB	10	20	GPM
WV1013203	010	2003 to 2004	LAB	13	15	GPM
WV1013203	017	2003 to 2004	LAB	26	27	GPM
WV1013203	017	2004 to 2005	LAB	30.85	37.95	GPM
WV1013203	021	2003 to 2004	LAB	62.5	80	GPM
WV1013203	021	2004 to 2005	LAB	64.58333333	81.66666667	GPM
WV1013211	003	2003 to 2004	LAB	7.423333333	12.17333333	GPM
WV1013211	003	2004 to 2005	LAB	3.972222222	6.805555556	GPM
WV1013246	037	2003 to 2004	LAB	11.375	18	GPM
WV1013246	038	2003 to 2004	LAB	6	9	GPM
WV1013246	038	2004 to 2005	LAB	2.5	5	GPM
WV1013246	048	2003 to 2004	LAB	11	18	GPM
WV1013246	048	2004 to 2005	LAB	32.9375	39.125	GPM
WV1013271	001	2003 to 2004	LAB	1	2	GPM
WV1013271	001	2004 to 2005	LAB	4.5	9	GPM
WV1013271	002	2003 to 2004	LAB	32.5	50	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1013271	002	2004 to 2005	LAB	25.167	31.5	GPM
WV1013271	003	2003 to 2004	LAB	13.75	17.5	GPM
WV1013271	003	2004 to 2005	LAB	10.875	16.5	GPM
WV1013271	004	2003 to 2004	LAB	71.25	103.75	GPM
WV1013271	004	2004 to 2005	LAB	47.77777778	73.33333333	GPM
WV1013271	007	2004 to 2005	LAB	369.5833333	433.3333333	GPM
WV1013271	013	2003 to 2004	LAB	89.77272727	94.54545455	GPM
WV1013271	013	2004 to 2005	LAB	77.70833333	80.83333333	GPM
WV1013271	020	2003 to 2004	LAB	184.9166667	246.5833333	GPM
WV1013271	020	2004 to 2005	LAB	209.8333333	253.5833333	GPM
WV1013271	021	2004 to 2005	LAB	34.90909091	47.72727273	GPM
WV1013271	022	2003 to 2004	LAB	145.2727273	204.8181818	GPM
WV1013271	022	2004 to 2005	LAB	20.33333333	29.33333333	GPM
WV1013271	024	2003 to 2004	LAB	17.5	35	GPM
WV1013271	024	2004 to 2005	LAB	5	10	GPM
WV1013271	029	2004 to 2005	LAB	5	10	GPM
WV1013271	032	2004 to 2005	LAB	165	200	GPM
WV1013271	046	2003 to 2004	LAB	1322.583333	1498.416667	GPM
WV1013271	046	2004 to 2005	LAB	929.5	1098.166667	GPM
WV1013271	048	2004 to 2005	LAB	30.77272727	36.45454545	GPM
WV1013271	049	2003 to 2004	LAB	115.9583333	148.9166667	GPM
WV1013271	049	2004 to 2005	LAB	178.4441667	250.4166667	GPM
WV1013271	050	2003 to 2004	LAB	82.91666667	107.75	GPM
WV1013271	050	2004 to 2005	LAB	121.1818182	169.5454545	GPM
WV1013271	125	2003 to 2004	LAB	275	314.2857143	GPM
WV1013271	125	2004 to 2005	LAB	272.9166667	283.3333333	GPM
WV1013271	DSBJ	2003 to 2004	LAB	5705.625	6535.25	GPM
WV1013271	DSBJ	2004 to 2005	LAB	4276.181818	4925.454545	GPM
WV1013271	DSCF	2003 to 2004	LAB	1446.25	2002	GPM
WV1013271	DSCF	2004 to 2005	LAB	767.4545455	948.8181818	GPM
WV1013271	DSHF	2003 to 2004	LAB	16876.125	21629.125	GPM
WV1013271	DSHF	2004 to 2005	LAB	8974.636364	10004.90909	GPM
WV1013271	DSJC	2003 to 2004	LAB	1687.3125	1931.625	GPM
WV1013271	DSJC	2004 to 2005	LAB	1910.818182	2333	GPM
WV1013271	DSLCL	2003 to 2004	LAB	11676.1875	16606.5	GPM
WV1013271	DSLCL	2004 to 2005	LAB	7052.045455	8430.909091	GPM
WV1013271	DSLFL	2003 to 2004	LAB	3191.9375	4940.625	GPM
WV1013271	DSLFL	2004 to 2005	LAB	849.4090909	1105.545455	GPM
WV1013271	DSLLE	2003 to 2004	LAB	942.3125	1388.875	GPM
WV1013271	DSLLE	2004 to 2005	LAB	259.1818182	350.8181818	GPM
WV1013271	DSLTL	2003 to 2004	LAB	409.625	660.125	GPM
WV1013271	DSLTL	2004 to 2005	LAB	295.5	417.875	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1013271	DSRFCC	2003 to 2004	LAB	237.0625	314.625	GPM
WV1013271	DSRFCC	2004 to 2005	LAB	96.4375	128.625	GPM
WV1013271	DSWB	2003 to 2004	LAB	4979.6875	5552.875	GPM
WV1013271	DSWB	2004 to 2005	LAB	3764.909091	4400	GPM
WV1013271	USBJ	2003 to 2004	LAB	3169.4375	3699.875	GPM
WV1013271	USBJ	2004 to 2005	LAB	1613.181818	2035.545455	GPM
WV1013271	USCF	2003 to 2004	LAB	473.625	659	GPM
WV1013271	USCF	2004 to 2005	LAB	67.1	89.5	GPM
WV1013271	USLF	2003 to 2004	LAB	414.0625	615.625	GPM
WV1013271	USLF	2004 to 2005	LAB	149.15	198.3	GPM
WV1013271	USLFCC	2003 to 2004	LAB	258.375	345.125	GPM
WV1013271	USLFCC	2004 to 2005	LAB	98.68181818	122.6363636	GPM
WV1013271	USRF	2003 to 2004	LAB	960.3125	1226.625	GPM
WV1013271	USRF	2004 to 2005	LAB	404.72727273	603.7272727	GPM
WV1013271	USRFCC	2003 to 2004	LAB	164.5625	236	GPM
WV1013271	USRFCC	2004 to 2005	LAB	48.4375	62.25	GPM
WV1013271	USSH	2003 to 2004	LAB	437.8125	584.25	GPM
WV1013271	USSH	2004 to 2005	LAB	197.1363636	305.5454545	GPM
WV1013271	USWB	2003 to 2004	LAB	2281.75	2464.625	GPM
WV1013271	USWB	2004 to 2005	LAB	1660.045455	2024	GPM
WV1013289	002	2003 to 2004	LAB	317	766	GPM
WV1013289	002	2004 to 2005	LAB	1073.4	1084.4	GPM
WV1013289	004	2003 to 2004	LAB	171.5555556	335.1111111	GPM
WV1013289	004	2004 to 2005	LAB	1329.5	1337	GPM
WV1013289	005	2003 to 2004	LAB	81.85714286	159.5714286	GPM
WV1013289	005	2004 to 2005	LAB	1065.6	1071.6	GPM
WV1013289	007	2003 to 2004	LAB	1690.083333	2314	GPM
WV1013289	007	2004 to 2005	LAB	875.0909091	1128	GPM
WV1013301	001	2003 to 2004	LAB	75.41666667	94.41666667	GPM
WV1013301	001	2004 to 2005	LAB	34.75	41.5	GPM
WV1013301	002	2003 to 2004	LAB	63	111.1666667	GPM
WV1013301	002	2004 to 2005	LAB	32.7	49.5	GPM
WV1013301	003	2003 to 2004	LAB	57.79166667	78.5	GPM
WV1013301	003	2004 to 2005	LAB	14.20833333	18.85416667	GPM
WV1013301	005	2003 to 2004	LAB	36.96590909	40.36363636	GPM
WV1013301	005	2004 to 2005	LAB	20.42857143	22.85714286	GPM
WV1013301	006	2003 to 2004	LAB	58.91666667	84.66666667	GPM
WV1013301	006	2004 to 2005	LAB	13.33333333	17.25	GPM
WV1013301	007	2003 to 2004	LAB	66.75	79.58333333	GPM
WV1013301	007	2004 to 2005	LAB	11.875	12.91666667	GPM
WV1013301	010	2003 to 2004	LAB	65.625	89.08333333	GPM
WV1013301	010	2004 to 2005	LAB	22.375	26.16666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1013301	012	2003 to 2004	LAB	15.54166667	17.16666667	GPM
WV1013301	012	2004 to 2005	LAB	12.20833333	12.91666667	GPM
WV1013301	013	2003 to 2004	LAB	2.104166667	2.75	GPM
WV1013301	013	2004 to 2005	LAB	1.949166667	2.125	GPM
WV1013301	014	2003 to 2004	LAB	25	25	GPM
WV1013301	014	2004 to 2005	LAB	3	3.5	GPM
WV1013301	023	2003 to 2004	LAB	121.6666667	133.3333333	GPM
WV1013301	030	2004 to 2005	LAB	26	29.33333333	GPM
WV1013301	032	2004 to 2005	LAB	3.5	3.55	GPM
WV1013301	033	2003 to 2004	LAB	16.10625	26.375	GPM
WV1013301	033	2004 to 2005	LAB	23.72916667	33.70833333	GPM
WV1013319	001	2003 to 2004	LAB	103.9166667	127.0833333	GPM
WV1013319	001	2004 to 2005	LAB	238.8333333	267.5	GPM
WV1013319	002	2004 to 2005	LAB	600	1200	GPM
WV1013319	004	2003 to 2004	LAB	30.91666667	43	GPM
WV1013319	004	2004 to 2005	LAB	111.4166667	182.9166667	GPM
WV1013319	005	2003 to 2004	LAB	25.375	32	GPM
WV1013319	005	2004 to 2005	LAB	30.5	39.58333333	GPM
WV1013319	007	2004 to 2005	LAB	7.666666667	9.333333333	GPM
WV1013327	003	2003 to 2004	LAB	30	30	GPM
WV1013327	004	2003 to 2004	LAB	6	6	GPM
WV1013327	005	2003 to 2004	LAB	12	12	GPM
WV1013327	009	2004 to 2005	LAB	51.75	83.5	GPM
WV1013343	001	2003 to 2004	LAB	301.0833333	379.5833333	GPM
WV1013343	001	2004 to 2005	LAB	243.1666667	313.3333333	GPM
WV1013343	003	2003 to 2004	LAB	233.375	296.25	GPM
WV1013343	003	2004 to 2005	LAB	172.7727273	220	GPM
WV1013378	001	2003 to 2004	LAB	45.9375	59.375	GPM
WV1013378	001	2004 to 2005	LAB	18.83333333	20	GPM
WV1013378	005	2004 to 2005	LAB	80	100	GPM
WV1013378	007	2003 to 2004	LAB	7.738333	11.3	GPM
WV1013378	007	2004 to 2005	LAB	2.86875	3.520833333	GPM
WV1013378	013	2003 to 2004	LAB	53.45833333	76.08333333	GPM
WV1013378	013	2004 to 2005	LAB	13.41666667	16.41666667	GPM
WV1013378	014	2003 to 2004	LAB	15.25	24.5	GPM
WV1013378	015	2003 to 2004	LAB	12	12	GPM
WV1013378	016	2003 to 2004	LAB	20	20	GPM
WV1013378	017	2003 to 2004	LAB	1.875	1.875	GPM
WV1013378	023	2003 to 2004	LAB	18.13636364	33.72727273	GPM
WV1013378	023	2004 to 2005	LAB	2.247916667	2.666666667	GPM
WV1013378	024	2003 to 2004	LAB	10.5	15.33333333	GPM
WV1013416	002	2004 to 2005	LAB	4.625	4.625	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1013416	003	2003 to 2004	LAB	15.5	15.5	GPM
WV1013416	008	2003 to 2004	LAB	71.6	71.6	GPM
WV1013416	008	2004 to 2005	LAB	100	100	GPM
WV1013416	018	2003 to 2004	LAB	4	4	GPM
WV1013416	018	2004 to 2005	LAB	14.57142857	14.57142857	GPM
WV1013416	020	2004 to 2005	LAB	7.625	7.625	GPM
WV1013424	003	2003 to 2004	LAB	47.41666667	64.75	GPM
WV1013424	003	2004 to 2005	LAB	27	30.6	GPM
WV1013424	007	2004 to 2005	LAB	26	51	GPM
WV1013424	008	2003 to 2004	LAB	38	60.75	GPM
WV1013424	008	2004 to 2005	LAB	91.5	178	GPM
WV1013424	010	2003 to 2004	LAB	22.57142857	35	GPM
WV1013424	010	2004 to 2005	LAB	32.33333333	53	GPM
WV1013424	013	2003 to 2004	LAB	360.9166667	572.25	GPM
WV1013424	013	2004 to 2005	LAB	139.5	201.6666667	GPM
WV1013424	014	2004 to 2005	LAB	11	21.5	GPM
WV1013424	018	2004 to 2005	LAB	66.25	88.75	GPM
WV1013432	001	2003 to 2004	LAB	32.29166667	35.41666667	GPM
WV1013432	001	2004 to 2005	LAB	83.24	133.64	GPM
WV1013441	001	2003 to 2004	LAB	151.4583333	178.3333333	GPM
WV1013441	001	2004 to 2005	LAB	59	88.18181818	GPM
WV1013441	002	2003 to 2004	LAB	59.29166667	77.91666667	GPM
WV1013441	002	2004 to 2005	LAB	34.20833333	52.08333333	GPM
WV1013441	003	2003 to 2004	LAB	436.5083333	554.1666667	GPM
WV1013441	003	2004 to 2005	LAB	345.8333333	404.1666667	GPM
WV1013441	004	2003 to 2004	LAB	8.166666667	12.25	GPM
WV1013441	004	2004 to 2005	LAB	12.625	16.08333333	GPM
WV1013441	005	2003 to 2004	LAB	44.58333333	63.75	GPM
WV1013441	005	2004 to 2005	LAB	30.70833333	43.08333333	GPM
WV1013441	006	2003 to 2004	LAB	20.54545455	29.63636364	GPM
WV1013441	006	2004 to 2005	LAB	28.20833333	33.66666667	GPM
WV1013441	007	2003 to 2004	LAB	358.1818182	468.6363636	GPM
WV1013441	007	2004 to 2005	LAB	251.0416667	319.5833333	GPM
WV1013441	016	2003 to 2004	LAB	69.79166667	90	GPM
WV1013441	016	2004 to 2005	LAB	49.16666667	62.91666667	GPM
WV1013441	017	2003 to 2004	LAB	96.25	115.4166667	GPM
WV1013441	017	2004 to 2005	LAB	50.41666667	57.5	GPM
WV1013441	019	2003 to 2004	LAB	83.77083333	115.8333333	GPM
WV1013441	019	2004 to 2005	LAB	38.27272727	60	GPM
WV1013441	025	2003 to 2004	LAB	342.9166667	441.6666667	GPM
WV1013441	025	2004 to 2005	LAB	105.6458333	132.5	GPM
WV1013441	080	2004 to 2005	LAB	123.3333333	130	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1013441	087	2004 to 2005	LAB	84.66666667	92.66666667	GPM
WV1013441	088	2004 to 2005	LAB	78.83333333	83.33333333	GPM
WV1013467	001	2003 to 2004	LAB	55.27272727	58.09090909	GPM
WV1013467	001	2004 to 2005	LAB	82.25	91.25	GPM
WV1013475	002	2003 to 2004	LAB	69.875	93.91666667	GPM
WV1013475	002	2004 to 2005	LAB	45.04166667	55.33333333	GPM
WV1013483	001	2003 to 2004	LAB	128.75	155.8333333	GPM
WV1013483	001	2004 to 2005	LAB	70.97916667	85.41666667	GPM
WV1013483	003	2003 to 2004	LAB	18.68333333	20.66666667	GPM
WV1013483	007	2004 to 2005	LAB	3.25	3.45	GPM
WV1013483	010	2004 to 2005	LAB	11.5	12	GPM
WV1013505	001	2003 to 2004	LAB	393.0125	651.6666667	GPM
WV1013505	001	2004 to 2005	LAB	244.0833333	418.5	GPM
WV1013505	005	2003 to 2004	LAB	15	22	GPM
WV1013505	005	2004 to 2005	LAB	17.02222222	25.59888889	GPM
WV1013505	011	2003 to 2004	LAB	28.21428571	47.14285714	GPM
WV1013505	011	2004 to 2005	LAB	23.49416667	34.57166667	GPM
WV1013505	019	2003 to 2004	LAB	31.6	44.16666667	GPM
WV1013505	019	2004 to 2005	LAB	60.25	75.41666667	GPM
WV1013530	001	2004 to 2005	LAB	1	1	GPM
WV1013530	013	2003 to 2004	LAB	1200	1420.833333	GPM
WV1013530	013	2004 to 2005	LAB	3082.666667	4266.666667	GPM
WV1013548	UPF	2003 to 2004	LAB	42337	50632.71429	GPM
WV1013548	UPF	2004 to 2005	LAB	50000	55777.9	GPM
WV1013556	001	2003 to 2004	LAB	13.5625	21.25	GPM
WV1013556	001	2004 to 2005	LAB	20.59875	28.96875	GPM
WV1013556	005	2004 to 2005	LAB	54.26	75.4225	GPM
WV1013556	009	2004 to 2005	LAB	62.64666667	71.80666667	GPM
WV1013556	010	2003 to 2004	LAB	28.54166667	33.33333333	GPM
WV1013556	010	2004 to 2005	LAB	82.85125	111.8125	GPM
WV1013556	014	2003 to 2004	LAB	2.5	5	GPM
WV1013556	014	2004 to 2005	LAB	7.75	15.5	GPM
WV1013556	016	2003 to 2004	LAB	23.63636364	30.45454545	GPM
WV1013556	016	2004 to 2005	LAB	41.89833333	55.04333333	GPM
WV1013581	001	2003 to 2004	LAB	100	200	GPM
WV1013581	006	2003 to 2004	LAB	127.2727273	131.8181818	GPM
WV1013581	006	2004 to 2005	LAB	125.625	133.75	GPM
WV1013581	013	2003 to 2004	LAB	25	30	GPM
WV1013581	035	2003 to 2004	LAB	170.9090909	202.7272727	GPM
WV1013581	035	2004 to 2005	LAB	123.75	150	GPM
WV1013581	038	2003 to 2004	LAB	191.875	250	GPM
WV1013581	038	2004 to 2005	LAB	401.2	482.4	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1013581	039	2003 to 2004	LAB	86.375	115.75	GPM
WV1013581	039	2004 to 2005	LAB	79.1	110.2	GPM
WV1013581	042	2003 to 2004	LAB	114	150.9090909	GPM
WV1013581	042	2004 to 2005	LAB	99.54545455	118.6363636	GPM
WV1013581	045	2003 to 2004	LAB	161	200	GPM
WV1013581	045	2004 to 2005	LAB	111.375	127.5	GPM
WV1013581	046	2003 to 2004	LAB	153.75	200	GPM
WV1013581	046	2004 to 2005	LAB	75	150	GPM
WV1013581	049	2003 to 2004	LAB	1232.785714	1235.142857	GPM
WV1013581	049	2004 to 2005	LAB	1077.714286	1096.428571	GPM
WV1013581	066	2003 to 2004	LAB	2930.409091	3540.636364	GPM
WV1013581	066	2004 to 2005	LAB	3081	3550.416667	GPM
WV1013581	070	2003 to 2004	LAB	1467.909091	1790.181818	GPM
WV1013581	070	2004 to 2005	LAB	2355.5	2632.75	GPM
WV1013599	001	2003 to 2004	LAB	2889.583333	3416.666667	GPM
WV1013599	001	2004 to 2005	LAB	3300	3583.333333	GPM
WV1013599	002	2003 to 2004	LAB	946.25	1263.75	GPM
WV1013599	002	2004 to 2005	LAB	1320.666667	1775	GPM
WV1013599	003	2003 to 2004	LAB	280.8333333	409.1666667	GPM
WV1013599	003	2004 to 2005	LAB	141.8333333	233.75	GPM
WV1013599	011	2004 to 2005	LAB	30	30	GPM
WV1013599	012	2003 to 2004	LAB	1.25	1.5	GPM
WV1013599	012	2004 to 2005	LAB	1.2	1.6	GPM
WV1013599	016	2004 to 2005	LAB	1	2	GPM
WV1013599	026	2004 to 2005	LAB	1	2	GPM
WV1013599	028	2003 to 2004	LAB	2.25	2.875	GPM
WV1013599	028	2004 to 2005	LAB	1.714285714	2.285714286	GPM
WV1013599	029	2003 to 2004	LAB	1	1.5	GPM
WV1013637	001	2003 to 2004	LAB	12.5	12.5	GPM
WV1013637	001	2004 to 2005	LAB	12	12	GPM
WV1013653	001	2003 to 2004	LAB	29.33333333	33.33333333	GPM
WV1013653	DDR-1	2003 to 2004	LAB	68.33333333	76.66666667	GPM
WV1013653	UDR2	2003 to 2004	LAB	50.33333333	56	GPM
WV1013670	001	2003 to 2004	LAB	39.87416667	54.04890833	GPM
WV1013670	001	2004 to 2005	LAB	25.38888889	33.88888889	GPM
WV1013670	002	2003 to 2004	LAB	186.885925	296.4218	GPM
WV1013670	002	2004 to 2005	LAB	88.15888889	136.05	GPM
WV1013670	003	2003 to 2004	LAB	198.4067083	278.980275	GPM
WV1013670	003	2004 to 2005	LAB	96.22888889	141.9044444	GPM
WV1013670	004	2003 to 2004	LAB	118.7050667	145.2695333	GPM
WV1013670	004	2004 to 2005	LAB	129.8444444	202.1111111	GPM
WV1013670	007	2003 to 2004	LAB	26.99600833	37.15191667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1013670	007	2004 to 2005	LAB	10.55555556	12.88888889	GPM
WV1013688	001	2003 to 2004	LAB	9.4059	11.99096667	GPM
WV1013688	001	2004 to 2005	LAB	6.227272727	9.113636364	GPM
WV1013742	001	2003 to 2004	LAB	332.5714286	344.4285714	GPM
WV1013742	001	2004 to 2005	LAB	321.25	323.5	GPM
WV1013785	006	2003 to 2004	LAB	63	66	GPM
WV1013785	006	2004 to 2005	LAB	31.03119	32.83333333	GPM
WV1013793	001	2003 to 2004	LAB	16.94444444	20.55555556	GPM
WV1013793	001	2004 to 2005	LAB	28.75	33.33333333	GPM
WV1013793	002	2003 to 2004	LAB	21.22222222	26.11111111	GPM
WV1013793	002	2004 to 2005	LAB	26.58333333	30	GPM
WV1013793	003	2003 to 2004	LAB	17.77777778	21.11111111	GPM
WV1013793	003	2004 to 2005	LAB	26.16666667	30.41666667	GPM
WV1013815	002	2003 to 2004	LAB	156	184	GPM
WV1013815	008	2003 to 2004	LAB	88.625	123.5	GPM
WV1013815	022	2003 to 2004	LAB	250	350	GPM
WV1013815	022	2004 to 2005	LAB	236.1818182	279.9090909	GPM
WV1013815	023	2003 to 2004	LAB	524.75	641.5	GPM
WV1013815	023	2004 to 2005	LAB	344.8181818	385.0909091	GPM
WV1013815	025	2004 to 2005	LAB	22	22	GPM
WV1013815	026	2004 to 2005	LAB	98.16666667	98.16666667	GPM
WV1013831	001	2003 to 2004	LAB	53.7	57.4	GPM
WV1013831	001	2004 to 2005	LAB	66.18181818	77.36363636	GPM
WV1013831	003	2003 to 2004	LAB	173.5	224.5	GPM
WV1013831	003	2004 to 2005	LAB	103.6818182	108.6363636	GPM
WV1013840	001	2003 to 2004	LAB	275.8033333	319.6666667	GPM
WV1013840	001	2004 to 2005	LAB	300.8181818	322.9090909	GPM
WV1013840	007	2003 to 2004	LAB	64.41666667	77.5	GPM
WV1013840	007	2004 to 2005	LAB	100.5	106.7272727	GPM
WV1013840	009	2003 to 2004	LAB	111.6666667	117.3333333	GPM
WV1013840	009	2004 to 2005	LAB	127.6363636	140.1818182	GPM
WV1013840	010	2003 to 2004	LAB	161.75	177.6666667	GPM
WV1013840	010	2004 to 2005	LAB	146.6	165.6	GPM
WV1013840	011	2003 to 2004	LAB	53.08333333	60.66666667	GPM
WV1013840	011	2004 to 2005	LAB	57.032	65.6	GPM
WV1013840	044	2003 to 2004	LAB	38	55.33333333	GPM
WV1013840	044	2004 to 2005	LAB	65	65	GPM
WV1013858	014	2003 to 2004	LAB	200	158.3333333	GPM
WV1013858	014	2004 to 2005	LAB	96.75	96.75	GPM
WV1013858	DSHC	2004 to 2005	LAB	540	540	GPM
WV1013858	USHC	2003 to 2004	LAB	340	176	GPM
WV1013858	USHC	2004 to 2005	LAB	41.66666667	41.66666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1013858	WT-4	2003 to 2004	LAB	380	202.5	GPM
WV1013858	WT-4	2004 to 2005	LAB	48	48	GPM
WV1013866	001	2003 to 2004	LAB	101.875	109.75	GPM
WV1013866	001	2004 to 2005	LAB	79.27272727	87.45454545	GPM
WV1013866	002	2003 to 2004	LAB	101.1666667	111.3333333	GPM
WV1013866	002	2004 to 2005	LAB	74.6	86.36363636	GPM
WV1013882	001	2003 to 2004	LAB	321.2857143	377.4285714	GPM
WV1013882	001	2004 to 2005	LAB	292.75	296	GPM
WV1013963	001	2003 to 2004	LAB	12.54545455	13.63636364	GPM
WV1013963	001	2004 to 2005	LAB	12.72727273	14.54545455	GPM
WV1013963	002	2003 to 2004	LAB	19.63636364	23.63636364	GPM
WV1013963	002	2004 to 2005	LAB	15.9625	17.53125	GPM
WV1014005	024	2003 to 2004	LAB	303.0391667	395.6666667	GPM
WV1014005	024	2004 to 2005	LAB	295.9545455	330	GPM
WV1014005	029	2003 to 2004	LAB	301.6666667	336	GPM
WV1014005	029	2004 to 2005	LAB	323.0454545	344.7272727	GPM
WV1014005	035	2003 to 2004	LAB	145.9166667	163.1666667	GPM
WV1014005	035	2004 to 2005	LAB	170.5909091	186.6363636	GPM
WV1014021	001	2004 to 2005	LAB	8	8	GPM
WV1014021	002	2003 to 2004	LAB	9.211111111	9.211111111	GPM
WV1014021	002	2004 to 2005	LAB	22.57142857	22.57142857	GPM
WV1014021	003	2003 to 2004	LAB	8.272727273	8.272727273	GPM
WV1014021	003	2004 to 2005	LAB	9.363636364	9.363636364	GPM
WV1014021	006	2003 to 2004	LAB	26.5	26.5	GPM
WV1014021	006	2004 to 2005	LAB	38.16666667	38.16666667	GPM
WV1014030	001	2004 to 2005	LAB	1	1	GPM
WV1014030	006	2003 to 2004	LAB	23.86363636	26.36363636	GPM
WV1014030	006	2004 to 2005	LAB	14.31818182	15.90909091	GPM
WV1014048	002	2003 to 2004	LAB	50.625	52.08333333	GPM
WV1014048	002	2004 to 2005	LAB	50	50	GPM
WV1014048	004	2003 to 2004	LAB	40.83333333	45.83333333	GPM
WV1014048	004	2004 to 2005	LAB	38.33333333	43.75	GPM
WV1014064	003	2003 to 2004	LAB	212.6428571	225.1428571	GPM
WV1014064	003	2004 to 2005	LAB	206.25	208.5	GPM
WV1014064	005	2003 to 2004	LAB	92.57142857	108.8571429	GPM
WV1014064	005	2004 to 2005	LAB	116.75	119	GPM
WV1014099	001	2003 to 2004	LAB	49.87181818	78.46636364	GPM
WV1014099	001	2004 to 2005	LAB	82.29545455	110.56	GPM
WV1014099	002	2003 to 2004	LAB	0.23	0.45	GPM
WV1014099	002	2004 to 2005	LAB	16.6	33.2	GPM
WV1014099	003	2003 to 2004	LAB	14.115	23.22	GPM
WV1014099	003	2004 to 2005	LAB	11.4875	17.325	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1014099	004	2004 to 2005	LAB	6.15	12.19	GPM
WV1014129	013	2003 to 2004	LAB	24.72727273	24.72727273	GPM
WV1014129	013	2004 to 2005	LAB	24	24	GPM
WV1014145	001	2003 to 2004	LAB	68.33333333	83.33333333	GPM
WV1014145	001	2004 to 2005	LAB	101.7272727	111.3636364	GPM
WV1014145	040	2003 to 2004	LAB	65	72.5	GPM
WV1014145	040	2004 to 2005	LAB	70.35	79.7	GPM
WV1014145	041	2004 to 2005	LAB	40	40	GPM
WV1014145	050	2003 to 2004	LAB	71.25	81.66666667	GPM
WV1014145	050	2004 to 2005	LAB	60	65.90909091	GPM
WV1014145	058	2004 to 2005	LAB	1.5	1.5	GPM
WV1014145	069	2004 to 2005	LAB	25	25.5	GPM
WV1014145	072	2003 to 2004	LAB	76.66666667	93.33333333	GPM
WV1014145	072	2004 to 2005	LAB	73.79136364	80.01863636	GPM
WV1014145	087	2004 to 2005	LAB	45	45	GPM
WV1014145	088	2004 to 2005	LAB	5	5	GPM
WV1014145	089	2004 to 2005	LAB	14	19	GPM
WV1014145	094	2004 to 2005	LAB	7	7	GPM
WV1014145	096	2004 to 2005	LAB	24	25	GPM
WV1014145	097	2004 to 2005	LAB	10	10	GPM
WV1014145	098	2003 to 2004	LAB	65.41666667	69.16666667	GPM
WV1014145	098	2004 to 2005	LAB	65.81818182	71.36363636	GPM
WV1014145	100	2004 to 2005	LAB	5.5	10	GPM
WV1014145	105	2004 to 2005	LAB	51.75	66	GPM
WV1014145	117	2003 to 2004	LAB	66.66666667	76.66666667	GPM
WV1014145	117	2004 to 2005	LAB	53.54545455	60.90909091	GPM
WV1014145	150	2004 to 2005	LAB	362.805	368.191	GPM
WV1014145	DUTER-2	2003 to 2004	LAB	0	0	CFS
WV1014145	UAR-7	2003 to 2004	LAB	3.926867333	5.19869	CFS
WV1014188	001	2003 to 2004	LAB	8	9.083333333	GPM
WV1014188	001	2004 to 2005	LAB	8.9625	10.925	GPM
WV1014188	002	2003 to 2004	LAB	8.6875	10.5	GPM
WV1014188	002	2004 to 2005	LAB	32.08333333	37.91666667	GPM
WV1014188	003	2003 to 2004	LAB	1.75	1.75	GPM
WV1014188	003	2004 to 2005	LAB	1	1	GPM
WV1014196	001	2003 to 2004	LAB	30	32.2	GPM
WV1014196	001	2004 to 2005	LAB	16.9125	19.8125	GPM
WV1014226	001	2003 to 2004	LAB	54.54545455	68.63636364	GPM
WV1014226	001	2004 to 2005	LAB	15.5	19.83333333	GPM
WV1014226	006	2003 to 2004	LAB	21.09090909	28.18181818	GPM
WV1014226	006	2004 to 2005	LAB	19.79545455	32.81818182	GPM
WV1014226	010	2003 to 2004	LAB	766	900	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1014226	010	2004 to 2005	LAB	906.25	983.3333333	GPM
WV1014226	011	2003 to 2004	LAB	128.8333333	153.3333333	GPM
WV1014226	011	2004 to 2005	LAB	563.4166667	677.5	GPM
WV1014226	016	2003 to 2004	LAB	959.0909091	1000	GPM
WV1014226	016	2004 to 2005	LAB	948.3583333	1000	GPM
WV1014234	001	2003 to 2004	LAB	8.055555556	9.833333333	GPM
WV1014234	001	2004 to 2005	LAB	10.5	13.77777778	GPM
WV1014234	006	2003 to 2004	LAB	10.29166667	14.33333333	GPM
WV1014234	006	2004 to 2005	LAB	11.95833333	15.58333333	GPM
WV1014234	007	2003 to 2004	LAB	7.5	9.833333333	GPM
WV1014234	007	2004 to 2005	LAB	3.916666667	4.958333333	GPM
WV1014234	011	2003 to 2004	LAB	7.75	8.1	GPM
WV1014234	011	2004 to 2005	LAB	7.575	9	GPM
WV1014234	013	2003 to 2004	LAB	7.791666667	9.416666667	GPM
WV1014234	013	2004 to 2005	LAB	6.604166667	8	GPM
WV1014234	014	2003 to 2004	LAB	3.333333333	4.333333333	GPM
WV1014234	014	2004 to 2005	LAB	3.75	4.875	GPM
WV1014234	016	2003 to 2004	LAB	6.7	9.5	GPM
WV1014234	016	2004 to 2005	LAB	9.5	12.25	GPM
WV1014234	017	2003 to 2004	LAB	34	39.91666667	GPM
WV1014234	017	2004 to 2005	LAB	61.875	81.41666667	GPM
WV1014234	018	2003 to 2004	LAB	11.04166667	12.83333333	GPM
WV1014234	018	2004 to 2005	LAB	15.54166667	19.58333333	GPM
WV1014285	001	2003 to 2004	LAB	5	5	GPM
WV1014285	003	2003 to 2004	LAB	28.5	35.33333333	GPM
WV1014285	003	2004 to 2005	LAB	32.5	39.16666667	GPM
WV1014358	001	2003 to 2004	LAB	23.81818182	27.72727273	GPM
WV1014358	001	2004 to 2005	LAB	11.625	13.66666667	GPM
WV1014358	002	2003 to 2004	LAB	1.3225	1.835	GPM
WV1014358	002	2004 to 2005	LAB	2.090909091	2.340909091	GPM
WV1014358	003	2003 to 2004	LAB	0.3125	0.4875	GPM
WV1014358	003	2004 to 2005	LAB	2.084090909	2.381818182	GPM
WV1014528	011	2003 to 2004	LAB	12.91666667	13.16666667	GPM
WV1014528	011	2004 to 2005	LAB	5.7	6	GPM
WV1014536	001	2003 to 2004	LAB	14.625	16.91666667	GPM
WV1014536	001	2004 to 2005	LAB	17.5	21.41666667	GPM
WV1014536	002	2003 to 2004	LAB	17.33333333	19.25	GPM
WV1014536	002	2004 to 2005	LAB	19.25	23.83333333	GPM
WV1014536	003	2003 to 2004	LAB	16.75	19.16666667	GPM
WV1014536	003	2004 to 2005	LAB	15.33333333	18.66666667	GPM
WV1014587	001	2003 to 2004	LAB	2.375	2.5	GPM
WV1014587	001	2004 to 2005	LAB	1.235714286	1.271428571	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1014587	012	2003 to 2004	LAB	28.08333333	32.5	GPM
WV1014587	012	2004 to 2005	LAB	16	18.36363636	GPM
WV1014587	013	2003 to 2004	LAB	23.83333333	29.16666667	GPM
WV1014587	013	2004 to 2005	LAB	7.88888917	9.5	GPM
WV1014587	016	2003 to 2004	LAB	4.909090909	6.090909091	GPM
WV1014587	016	2004 to 2005	LAB	9	11.625	GPM
WV1014587	027	2003 to 2004	LAB	12.58333333	14.91666667	GPM
WV1014587	027	2004 to 2005	LAB	10.875	12.75	GPM
WV1014587	032	2003 to 2004	LAB	37.91666667	42.91666667	GPM
WV1014587	032	2004 to 2005	LAB	36.08333333	46.25	GPM
WV1014587	033	2003 to 2004	LAB	42.16666667	46.41666667	GPM
WV1014587	033	2004 to 2005	LAB	47.91666667	51.66666667	GPM
WV1014587	035	2003 to 2004	LAB	28.45454545	34.81818182	GPM
WV1014587	035	2004 to 2005	LAB	38.27777778	47	GPM
WV1014587	036	2003 to 2004	LAB	47.5	55.83333333	GPM
WV1014587	036	2004 to 2005	LAB	43.08333333	51.08333333	GPM
WV1014587	038	2003 to 2004	LAB	46.875	56.25	GPM
WV1014587	038	2004 to 2005	LAB	59.58333333	68.33333333	GPM
WV1014587	040	2003 to 2004	LAB	65	80	GPM
WV1014587	040	2004 to 2005	LAB	81.0027775	91.25	GPM
WV1014587	047	2003 to 2004	LAB	16.27777778	19.11111111	GPM
WV1014587	047	2004 to 2005	LAB	10.08333333	12.83333333	GPM
WV1014587	048	2003 to 2004	LAB	236.4583333	285.4166667	GPM
WV1014587	048	2004 to 2005	LAB	348.125	389.1666667	GPM
WV1014595	001	2004 to 2005	LAB	10	10	GPM
WV1014595	002	2004 to 2005	LAB	2.333333333	2.333333333	GPM
WV1014595	006	2004 to 2005	LAB	5	5	GPM
WV1014595	008	2003 to 2004	LAB	22.61111111	31.88888889	GPM
WV1014595	008	2004 to 2005	LAB	15.83333333	17.66666667	GPM
WV1014595	016	2003 to 2004	LAB	14.11111111	15.94444444	GPM
WV1014595	016	2004 to 2005	LAB	9.375	10.75	GPM
WV1014595	017	2003 to 2004	LAB		10	GPM
WV1014595	017	2004 to 2005	LAB	27.5	27.5	GPM
WV1014595	018	2003 to 2004	LAB	19.66666667	19.66666667	GPM
WV1014595	018	2004 to 2005	LAB	69	69	GPM
WV1014595	019	2003 to 2004	LAB	18.69444444	22.44444444	GPM
WV1014595	019	2004 to 2005	LAB	36.04166667	45.83333333	GPM
WV1014595	020	2003 to 2004	LAB	10.05555556	13.05555556	GPM
WV1014595	020	2004 to 2005	LAB	12.5	14.58333333	GPM
WV1014595	021	2004 to 2005	LAB	11.66666667	11.66666667	GPM
WV1014633	006	2003 to 2004	LAB	84.75	104.5833333	GPM
WV1014633	006	2004 to 2005	LAB	37.25	44.33333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1014633	011	2003 to 2004	LAB	1.614583333	2.266666667	GPM
WV1014633	011	2004 to 2005	LAB	1.085	1.5	GPM
WV1014633	015	2003 to 2004	LAB	0.697916667	1.016666667	GPM
WV1014633	015	2004 to 2005	LAB	0.509090909	0.727272727	GPM
WV1014633	016	2003 to 2004	LAB	8.930555556	10.33333333	GPM
WV1014633	016	2004 to 2005	LAB	4.540625	6.10625	GPM
WV1014633	018	2004 to 2005	LAB	13.5	17.5	GPM
WV1014684	001	2003 to 2004	LAB	3459.5	4449.583333	GPM
WV1014684	001	2004 to 2005	LAB	7082.75	7601.5	GPM
WV1014684	002	2003 to 2004	LAB	3192.083333	3571.333333	GPM
WV1014684	002	2004 to 2005	LAB	7342.333333	7894.166667	GPM
WV1014684	003	2003 to 2004	LAB	3059.333333	3485.916667	GPM
WV1014684	003	2004 to 2005	LAB	6747	7505.583333	GPM
WV1014684	006	2003 to 2004	LAB	3685.166667	4124.833333	GPM
WV1014684	006	2004 to 2005	LAB	8098.666667	8948.833333	GPM
WV1014692	001	2003 to 2004	LAB	60.77777778	84.11111111	GPM
WV1014692	001	2004 to 2005	LAB	69.6875	107.5	GPM
WV1014692	002	2003 to 2004	LAB	77.125	134.9166667	GPM
WV1014692	002	2004 to 2005	LAB	65.81818182	95.45454545	GPM
WV1014692	003	2003 to 2004	LAB	73.4875	114.9166667	GPM
WV1014692	003	2004 to 2005	LAB	47.15	65	GPM
WV1014692	004	2004 to 2005	LAB	4.2	4.2	GPM
WV1014692	008	2003 to 2004	LAB	4.4	4.4	GPM
WV1014692	008	2004 to 2005	LAB	2.96	2.96	GPM
WV1014692	016	2003 to 2004	LAB	4.6	4.6	GPM
WV1014692	016	2004 to 2005	LAB	2.566666667	2.566666667	GPM
WV1014692	017	2003 to 2004	LAB	8.675	10.35	GPM
WV1014692	017	2004 to 2005	LAB	7.1	7.1	GPM
WV1014692	019	2003 to 2004	LAB	129.5454545	173.6363636	GPM
WV1014692	019	2004 to 2005	LAB	111.3181818	154.1818182	GPM
WV1014692	020	2003 to 2004	LAB	71.61363636	78.78181818	GPM
WV1014692	020	2004 to 2005	LAB	50.79545455	80.54545455	GPM
WV1014692	021	2004 to 2005	LAB	5.1	5.1	GPM
WV1014692	DSL1C1	2003 to 2004	LAB	1504.666667	1889.75	GPM
WV1014692	DSL1C1	2004 to 2005	LAB	1475.282727	2118	GPM
WV1014692	DSSF	2003 to 2004	LAB	621.9166667	962	GPM
WV1014692	DSSF	2004 to 2005	LAB	323.118	462.5	GPM
WV1014692	USLC1	2003 to 2004	LAB	279.625	383	GPM
WV1014692	USLC1	2004 to 2005	LAB	272.0454545	423.3636364	GPM
WV1014692	USMF	2003 to 2004	LAB	36.59375	52.6375	GPM
WV1014692	USMF	2004 to 2005	LAB	73.025	101.8	GPM
WV1014773	002	2003 to 2004	LAB	120	145.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1014773	004	2003 to 2004	LAB	48.79166667	59.83333333	GPM
WV1014773	004	2004 to 2005	LAB	13.16666667	14.83333333	GPM
WV1014773	005	2003 to 2004	LAB	6.017857143	7.871428571	GPM
WV1014773	005	2004 to 2005	LAB	2.333333333	3.083333333	GPM
WV1014773	007	2003 to 2004	LAB	78.95833333	91.66666667	GPM
WV1014773	007	2004 to 2005	LAB	50.125	54.83333333	GPM
WV1014773	010	2003 to 2004	LAB	29.60416667	39.95833333	GPM
WV1014773	010	2004 to 2005	LAB	12.16666667	14.125	GPM
WV1014773	011	2003 to 2004	LAB	24.16666667	25.66666667	GPM
WV1014773	011	2004 to 2005	LAB	6.854166667	7.5	GPM
WV1014773	012	2003 to 2004	LAB	2.125	2.125	GPM
WV1014773	016	2003 to 2004	LAB	13.25	14.58333333	GPM
WV1014773	016	2004 to 2005	LAB	4.4375	4.725	GPM
WV1014773	017	2003 to 2004	LAB	106.3229167	165.1666667	GPM
WV1014773	017	2004 to 2005	LAB	24.375	30.90909091	GPM
WV1014781	001	2003 to 2004	LAB	78.5	109	GPM
WV1014781	001	2004 to 2005	LAB	45.22222222	55	GPM
WV1014803	001	2003 to 2004	LAB	19.96875	30.25	GPM
WV1014803	001	2004 to 2005	LAB	8.24375	11.91666667	GPM
WV1014803	003	2003 to 2004	LAB	34.04166667	43.08333333	GPM
WV1014803	003	2004 to 2005	LAB	17.16666667	22.41666667	GPM
WV1014811	011	2003 to 2004	LAB	20	23.33333333	GPM
WV1014811	011	2004 to 2005	LAB	20	20	GPM
WV1014838	002	2003 to 2004	LAB	17.3125	19.22916667	GPM
WV1014838	002	2004 to 2005	LAB	38.81818182	44.45454545	GPM
WV1014862	001	2003 to 2004	LAB	25	25	GPM
WV1014862	001	2004 to 2005	LAB	25	25	GPM
WV1014862	002	2003 to 2004	LAB	1	1	GPM
WV1014862	002	2004 to 2005	LAB	2	2	GPM
WV1014862	003	2003 to 2004	LAB	10	10	GPM
WV1014862	004	2003 to 2004	LAB	11.11111111	11.11111111	GPM
WV1014862	004	2004 to 2005	LAB	9.571428571	9.571428571	GPM
WV1014862	005	2003 to 2004	LAB	27.27272727	27.27272727	GPM
WV1014862	005	2004 to 2005	LAB	19.9	19.9	GPM
WV1014862	006	2003 to 2004	LAB	12.58333333	12.58333333	GPM
WV1014862	006	2004 to 2005	LAB	5.636363636	5.818181818	GPM
WV1014862	007	2003 to 2004	LAB	15.5	15.5	GPM
WV1014862	007	2004 to 2005	LAB	11.81818182	11.81818182	GPM
WV1014862	008	2003 to 2004	LAB	4.333333333	4.333333333	GPM
WV1014862	008	2004 to 2005	LAB	4.857142857	4.857142857	GPM
WV1014889	003	2003 to 2004	LAB	5	10	GPM
WV1014889	024	2003 to 2004	LAB	12.25	14.18181818	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1014889	024	2004 to 2005	LAB	9.071428571	9.428571429	GPM
WV1014897	001	2003 to 2004	LAB	11.0725	19.36	GPM
WV1014897	001	2004 to 2005	LAB	4.425	5.022727273	GPM
WV1014897	003	2003 to 2004	LAB	10.125	10.125	GPM
WV1014951	001	2003 to 2004	LAB	161.6666667	270.8333333	GPM
WV1014951	001	2004 to 2005	LAB	46.04166667	62.5	GPM
WV1014951	002	2003 to 2004	LAB	7.5	13.1	GPM
WV1014951	002	2004 to 2005	LAB	15.88636364	30.18181818	GPM
WV1014951	015	2003 to 2004	LAB	156.25	183.75	GPM
WV1014951	015	2004 to 2005	LAB	71.45833333	93.33333333	GPM
WV1014951	034	2004 to 2005	LAB	50	50	GPM
WV1015036	001	2003 to 2004	LAB	5.84375	7.75	GPM
WV1015036	001	2004 to 2005	LAB	3.833333333	4.333333333	GPM
WV1015044	001	2003 to 2004	LAB	891.0416667	1151.666667	GPM
WV1015044	001	2004 to 2005	LAB	709.7727273	946.3636364	GPM
WV1015052	001	2003 to 2004	LAB	768.8333333	1166.666667	GPM
WV1015052	001	2004 to 2005	LAB	258.7272727	387.4545455	GPM
WV1015109	001	2003 to 2004	LAB	5.5	9.090909091	GPM
WV1015109	001	2004 to 2005	LAB	7.841818182	10.38727273	GPM
WV1015176	002	2003 to 2004	LAB	47.29166667	52.08333333	GPM
WV1015176	002	2004 to 2005	LAB	37.5	41.5	GPM
WV1015176	005	2003 to 2004	LAB	29.375	35	GPM
WV1015176	005	2004 to 2005	LAB	46.25	59.5	GPM
WV1015176	006	2003 to 2004	LAB	20	23.33333333	GPM
WV1015176	006	2004 to 2005	LAB	23.25	29.5	GPM
WV1015176	007	2004 to 2005	LAB	18.4	20	GPM
WV1015184	001	2003 to 2004	LAB	74.79166667	86.25	GPM
WV1015184	001	2004 to 2005	LAB	74.31818182	81.81818182	GPM
WV1015184	002	2003 to 2004	LAB	89.16666667	111.6666667	GPM
WV1015184	002	2004 to 2005	LAB	91.13636364	103.1818182	GPM
WV1015184	021	2003 to 2004	LAB	35.625	40	GPM
WV1015184	021	2004 to 2005	LAB	42.95454545	50.45454545	GPM
WV1015265	002	2003 to 2004	LAB	555.875	610.0833333	GPM
WV1015265	002	2004 to 2005	LAB	496.875	518.75	GPM
WV1015265	003	2004 to 2005	LAB	7.525	8.083333333	GPM
WV1015281	001	2003 to 2004	LAB	18.54545455	20.63636364	GPM
WV1015281	001	2004 to 2005	LAB	54.66666667	61.66666667	GPM
WV1015281	002	2003 to 2004	LAB	12.06818182	15.90909091	GPM
WV1015281	002	2004 to 2005	LAB	42.04545455	49.54545455	GPM
WV1015311	001	2003 to 2004	LAB	22.22222192	38.83333333	GPM
WV1015311	001	2004 to 2005	LAB	2.669642857	4.214285714	GPM
WV1015311	002	2003 to 2004	LAB	101.3571429	115.8571429	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1015311	002	2004 to 2005	LAB	18.21428571	23.85714286	GPM
WV1015311	005	2003 to 2004	LAB	439.375	522.5	GPM
WV1015311	005	2004 to 2005	LAB	185.6818182	218.1818182	GPM
WV1015311	006	2003 to 2004	LAB	6.265	10.09090909	GPM
WV1015311	006	2004 to 2005	LAB	3.111111111	4.222222222	GPM
WV1015311	007	2003 to 2004	LAB	4.5	7.285714286	GPM
WV1015311	007	2004 to 2005	LAB	1.625	2.125	GPM
WV1015320	001	2003 to 2004	LAB	9.583333333	15	GPM
WV1015320	001	2004 to 2005	LAB	17.53125	28.85416667	GPM
WV1015320	002	2003 to 2004	LAB	7.041666667	10.5	GPM
WV1015320	002	2004 to 2005	LAB	5.727083333	8.5	GPM
WV1015338	001	2003 to 2004	LAB	484.4166667	572.9166667	GPM
WV1015338	001	2004 to 2005	LAB	1436.5	1583	GPM
WV1015338	002	2003 to 2004	LAB	4993.083333	5998.25	GPM
WV1015338	002	2004 to 2005	LAB	8719.666667	9832.5	GPM
WV1015338	003 (c)	2004 to 2005	LAB	109.125	127	GPM
WV1015346	001	2003 to 2004	LAB	13.33333333	13.33333333	GPM
WV1015346	001	2004 to 2005	LAB	9.166666667	10	GPM
WV1015346	004	2003 to 2004	LAB	10	10	GPM
WV1015346	004	2004 to 2005	LAB	4.25	5	GPM
WV1015346	005	2003 to 2004	LAB	7.666666667	8.333333333	GPM
WV1015346	007	2003 to 2004	LAB	9.166666667	10	GPM
WV1015346	018	2003 to 2004	LAB	7.5	8.333333333	GPM
WV1015346	018	2004 to 2005	LAB	3.666666667	3.666666667	GPM
WV1015346	019	2003 to 2004	LAB	10	10	GPM
WV1015346	026	2003 to 2004	LAB	10	10	GPM
WV1015346	026	2004 to 2005	LAB	4.25	5	GPM
WV1015346	027	2003 to 2004	LAB	10	10	GPM
WV1015346	027	2004 to 2005	LAB	3	3	GPM
WV1015346	028	2003 to 2004	LAB	8.75	10	GPM
WV1015346	028	2004 to 2005	LAB	3	3	GPM
WV1015362	001	2003 to 2004	LAB	297.0833333	381.25	GPM
WV1015362	001	2004 to 2005	LAB	277.0138917	308.3333333	GPM
WV1015362	002	2003 to 2004	LAB	35.55555556	50.22222222	GPM
WV1015362	002	2004 to 2005	LAB	42	58.58333333	GPM
WV1015362	003	2003 to 2004	LAB	37.14583275	57.91666667	GPM
WV1015362	003	2004 to 2005	LAB	46.08333333	68.91666667	GPM
WV1015362	008	2004 to 2005	LAB	43.33333333	50	GPM
WV1015362	010	2003 to 2004	LAB	42.5	42.5	GPM
WV1015362	010	2004 to 2005	LAB	43.41666667	55.5	GPM
WV1015362	011	2003 to 2004	LAB	40	40	GPM
WV1015362	011	2004 to 2005	LAB	67.133333	83.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1015362	012	2003 to 2004	LAB	257.9166667	326.6666667	GPM
WV1015362	012	2004 to 2005	LAB	256.3888917	265	GPM
WV1015389	021	2003 to 2004	LAB	28.33333333	31.66666667	GPM
WV1015389	035	2004 to 2005	LAB	1	1	GPM
WV1015460	001	2003 to 2004	LAB	492.2222222	517.7777778	GPM
WV1015460	002	2003 to 2004	LAB	77	107.6	GPM
WV1015478	001	2003 to 2004	LAB	112.7083333	138.3333333	GPM
WV1015478	001	2004 to 2005	LAB	62.11	74.9	GPM
WV1015478	002	2003 to 2004	LAB	120.3181818	150.6363636	GPM
WV1015478	002	2004 to 2005	LAB	121.1666667	170.1111111	GPM
WV1015478	012	2003 to 2004	LAB	100	200	GPM
WV1015494	DLB	2003 to 2004	LAB	0.56	0.68	CFS
WV1015494	ULB	2003 to 2004	LAB	0.435	0.49	CFS
WV1015532	002	2003 to 2004	LAB	132.7083333	142.0833333	GPM
WV1015532	002	2004 to 2005	LAB	118.1666667	126.5	GPM
WV1015532	003	2003 to 2004	LAB	162.5	176.9166667	GPM
WV1015532	003	2004 to 2005	LAB	180	238.75	GPM
WV1015532	004	2003 to 2004	LAB	2812.458333	3359.75	GPM
WV1015532	004	2004 to 2005	LAB	3080.875	3550.166667	GPM
WV1015532	005	2003 to 2004	LAB	2098.318182	2502.909091	GPM
WV1015532	005	2004 to 2005	LAB	3100	3605.5	GPM
WV1015532	006	2003 to 2004	LAB	149.0833333	160.6666667	GPM
WV1015532	006	2004 to 2005	LAB	146.875	162.5	GPM
WV1015532	007	2003 to 2004	LAB	175	200	GPM
WV1015532	009	2003 to 2004	LAB	93.04166667	112.4166667	GPM
WV1015532	009	2004 to 2005	LAB	89.95833333	110.75	GPM
WV1015532	011	2003 to 2004	LAB	132.125	161.5	GPM
WV1015532	011	2004 to 2005	LAB	132.45	157.4	GPM
WV1015532	014	2003 to 2004	LAB	198.2083333	232.6666667	GPM
WV1015532	014	2004 to 2005	LAB	177.5	216.6666667	GPM
WV1015559	001	2003 to 2004	LAB	306.25	397.0833333	GPM
WV1015559	001	2004 to 2005	LAB	137.9583333	157.9166667	GPM
WV1015559	002	2003 to 2004	LAB	149	242.2222222	GPM
WV1015559	002	2004 to 2005	LAB	79.29166667	115	GPM
WV1015559	004	2003 to 2004	LAB	158.75	221.6666667	GPM
WV1015559	004	2004 to 2005	LAB	199.0909091	245.4545455	GPM
WV1015559	005	2003 to 2004	LAB	77.5	127.5	GPM
WV1015559	005	2004 to 2005	LAB	35.83333333	40	GPM
WV1015559	006	2003 to 2004	LAB	197.875	235.3333333	GPM
WV1015559	006	2004 to 2005	LAB	179.6416667	223.3333333	GPM
WV1015567	001	2003 to 2004	LAB	72.5	72.5	GPM
WV1015567	001	2004 to 2005	LAB	59.4375	64.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1015567	003	2004 to 2005	LAB	1.6	3	GPM
WV1015567	006	2004 to 2005	LAB	3	3	GPM
WV1015567	007	2004 to 2005	LAB	5	5	GPM
WV1015630	001	2004 to 2005	LAB	14.625	16.5	GPM
WV1015681	002	2004 to 2005	LAB	31.83333333	41.66666667	GPM
WV1015699	004	2004 to 2005	LAB	34	34	GPM
WV1015702	001	2004 to 2005	LAB	30.2	34.2	GPM
WV1015702	002	2004 to 2005	LAB	38.75	45	GPM
WV1015702	003	2004 to 2005	LAB	21	30	GPM
WV1015702	017	2004 to 2005	LAB	10	10	GPM
WV1015737	001	2003 to 2004	LAB	218.85	344.5	GPM
WV1015737	001	2004 to 2005	LAB	156.7916667	209	GPM
WV1015737	022	2003 to 2004	LAB	199.7272727	284.5454545	GPM
WV1015737	022	2004 to 2005	LAB	103.4583333	137.9166667	GPM
WV1015737	027	2003 to 2004	LAB	41.71428571	44.57142857	GPM
WV1015737	027	2004 to 2005	LAB	20.54545455	27.09090909	GPM
WV1015753	001	2003 to 2004	LAB	850	1033.333333	GPM
WV1015753	001	2004 to 2005	LAB	365.1291667	530.2375	GPM
WV1015818	001	2003 to 2004	LAB	12.3	17.9	GPM
WV1015818	001	2004 to 2005	LAB	117.0909091	215.1818182	GPM
WV1015818	004	2003 to 2004	LAB	4	5	GPM
WV1015818	004	2004 to 2005	LAB	4.4	6	GPM
WV1015826	001	2004 to 2005	LAB	15	15	GPM
WV1015826	002	2004 to 2005	LAB	6	6	GPM
WV1015834	001	2003 to 2004	LAB	6.5	7.5	GPM
WV1015834	001	2004 to 2005	LAB	5.416666667	5.416666667	GPM
WV1015834	002	2003 to 2004	LAB	21.66666667	21.66666667	GPM
WV1015834	002	2004 to 2005	LAB	27.91666667	28.75	GPM
WV1015834	003	2003 to 2004	LAB	21.63636364	22.27272727	GPM
WV1015834	003	2004 to 2005	LAB	21.25	21.25	GPM
WV1015834	005	2003 to 2004	LAB	12.77777778	12.77777778	GPM
WV1015834	005	2004 to 2005	LAB	12.5	12.91666667	GPM
WV1015834	006	2003 to 2004	LAB	5.142857143	5.285714286	GPM
WV1015834	006	2004 to 2005	LAB	4.8125	5.25	GPM
WV1015834	008	2004 to 2005	LAB	20.45454545	20.45454545	GPM
WV1015848	001	2003 to 2004	LAB	23.29318182	34.12272727	GPM
WV1015848	001	2004 to 2005	LAB	22.46428571	24.85714286	GPM
WV1015848	004	2003 to 2004	LAB	45.9375	59.375	GPM
WV1015848	004	2004 to 2005	LAB	18.83333333	20	GPM
WV1015869	047	2003 to 2004	LAB	110.3125	181.875	GPM
WV1015869	047	2004 to 2005	LAB	119.358	176.024	GPM
WV1015869	048	2003 to 2004	LAB	143.4090909	224.0909091	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1015869	048	2004 to 2005	LAB	71.76	143.52	GPM
WV1015877	001	2003 to 2004	LAB	116.4583333	141.25	GPM
WV1015877	001	2004 to 2005	LAB	52.375	64.875	GPM
WV1015877	003	2003 to 2004	LAB	50	50	GPM
WV1015877	003	2004 to 2005	LAB	31.72222222	48.66666667	GPM
WV1015877	004	2003 to 2004	LAB	12.875	14.75	GPM
WV1015877	005	2003 to 2004	LAB	5	5	GPM
WV1015877	005	2004 to 2005	LAB	5	5	GPM
WV1015877	006	2003 to 2004	LAB	10	10	GPM
WV1015877	006	2004 to 2005	LAB	2.5	2.5	GPM
WV1015877	007	2004 to 2005	LAB	60	60	GPM
WV1015877	008	2003 to 2004	LAB	12.5	15	GPM
WV1015877	008	2004 to 2005	LAB	15.85	19.1	GPM
WV1015877	009	2003 to 2004	LAB	5.8	6.8	GPM
WV1015877	009	2004 to 2005	LAB	2.944444444	3.222222222	GPM
WV1015877	010	2003 to 2004	LAB	7	7	GPM
WV1015877	010	2004 to 2005	LAB	2.5	3	GPM
WV1015877	011	2003 to 2004	LAB	8.166666667	9	GPM
WV1015877	011	2004 to 2005	LAB	6	6	GPM
WV1015877	012	2003 to 2004	LAB	55.5	55.5	GPM
WV1015877	013	2003 to 2004	LAB	5.444444444	6.222222222	GPM
WV1015877	013	2004 to 2005	LAB	1	1	GPM
WV1015877	014	2003 to 2004	LAB	3.75	4.6	GPM
WV1015877	014	2004 to 2005	LAB	4	5.666666667	GPM
WV1015877	015	2003 to 2004	LAB	15.125	17.75	GPM
WV1015877	015	2004 to 2005	LAB	3	3	GPM
WV1015877	016	2003 to 2004	LAB	2.5	3.5	GPM
WV1015877	016	2004 to 2005	LAB	19.35714286	19.71428571	GPM
WV1015877	017	2004 to 2005	LAB	3	3	GPM
WV1015877	018	2003 to 2004	LAB	4.388888889	4.888888889	GPM
WV1015877	018	2004 to 2005	LAB	9.333333333	12	GPM
WV1015877	020	2003 to 2004	LAB	5.054090909	5.738181818	GPM
WV1015877	020	2004 to 2005	LAB	7.833333333	7.833333333	GPM
WV1015877	021	2004 to 2005	LAB	6	6	GPM
WV1015877	022	2004 to 2005	LAB	2	2	GPM
WV1015893	001	2003 to 2004	LAB	32.08333333	45	GPM
WV1015893	001	2004 to 2005	LAB	78.18181818	127.1818182	GPM
WV1015915	001	2004 to 2005	LAB	19.83333333	34.66666667	GPM
WV1015923	001	2004 to 2005	LAB	6	12	GPM
WV1015923	004	2003 to 2004	LAB	167.5	210	GPM
WV1015923	004	2004 to 2005	LAB	57.33333333	65	GPM
WV1015923	007	2003 to 2004	LAB	175	200	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1015923	007	2004 to 2005	LAB	118.2727273	149.2727273	GPM
WV1015923	016	2003 to 2004	LAB	167	232	GPM
WV1015923	021	2003 to 2004	LAB	149.375	171.25	GPM
WV1015923	021	2004 to 2005	LAB	118.2727273	149.2727273	GPM
WV1015923	022	2003 to 2004	LAB	153.5	170	GPM
WV1015923	022	2004 to 2005	LAB	91.20454545	114.3636364	GPM
WV1015982	003	2003 to 2004	LAB	29.33333333	34.77777778	GPM
WV1015982	003	2004 to 2005	LAB	14.13541667	15.22916667	GPM
WV1015982	004	2004 to 2005	LAB	15	15	GPM
WV1015982	008	2003 to 2004	LAB	28.92857143	32.14285714	GPM
WV1015982	008	2004 to 2005	LAB	46.16666667	46.66666667	GPM
WV1015982	010	2004 to 2005	LAB	14	14	GPM
WV1015991	001	2003 to 2004	LAB	64.375	77.5	GPM
WV1015991	001	2004 to 2005	LAB	11.75	12.5	GPM
WV1015991	002	2003 to 2004	LAB	2	2	GPM
WV1015991	008	2003 to 2004	LAB	13.6	17.1	GPM
WV1015991	008	2004 to 2005	LAB	24.522	47.2	GPM
WV1015991	010	2003 to 2004	LAB	2	2	GPM
WV1015991	012	2004 to 2005	LAB	3	3	GPM
WV1015991	013	2004 to 2005	LAB	2	2	GPM
WV1015991	014	2004 to 2005	LAB	4	4	GPM
WV1015991	015	2004 to 2005	LAB	7	7	GPM
WV1015991	017	2003 to 2004	LAB	2	2	GPM
WV1015991	027	2004 to 2005	LAB	4.5	7	GPM
WV1015991	036	2004 to 2005	LAB	7	7	GPM
WV1016024	001	2003 to 2004	LAB	155.35	216.5	GPM
WV1016024	001	2004 to 2005	LAB	95.91666667	131.5	GPM
WV1016024	002	2003 to 2004	LAB	141.35	209.7	GPM
WV1016024	002	2004 to 2005	LAB	90.47916667	121.4166667	GPM
WV1016024	005	2003 to 2004	LAB	58.45	82.8	GPM
WV1016024	005	2004 to 2005	LAB	46.79166667	70.875	GPM
WV1016024	007	2003 to 2004	LAB	3.23	5.95	GPM
WV1016024	007	2004 to 2005	LAB	1.083333333	1.361111111	GPM
WV1016024	008	2003 to 2004	LAB	40.45	47.9	GPM
WV1016024	008	2004 to 2005	LAB	115.4444444	136.1111111	GPM
WV1016024	009	2004 to 2005	LAB	88.33333333	105	GPM
WV1016024	010	2003 to 2004	LAB	23.94444444	34.77777778	GPM
WV1016024	010	2004 to 2005	LAB	42.9375	56	GPM
WV1016024	012	2004 to 2005	LAB	208.3333333	216.6666667	GPM
WV1016032	001	2003 to 2004	LAB	26.05	38.2	GPM
WV1016032	001	2004 to 2005	LAB	18.33333333	25.83333333	GPM
WV1016059	001	2003 to 2004	LAB	34.33333333	35.33333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1016059	001	2004 to 2005	LAB	37.91666667	39.58333333	GPM
WV1016083	DSMF	2004 to 2005	LAB	862.5	1100	GPM
WV1016083	USMF	2004 to 2005	LAB	550	750	GPM
WV1016091	022	2004 to 2005	LAB	45	90	GPM
WV1016091	024	2003 to 2004	LAB	115.1855556	145.8888889	GPM
WV1016091	024	2004 to 2005	LAB	110.9583333	141.8333333	GPM
WV1016113	002	2003 to 2004	LAB	47.375	69.5	GPM
WV1016113	002	2004 to 2005	LAB	71.777775	99.75	GPM
WV1016113	003	2003 to 2004	LAB	205.9027717	287.5	GPM
WV1016113	003	2004 to 2005	LAB	192.9861083	270	GPM
WV1016113	004	2003 to 2004	LAB	282.5	415.4166667	GPM
WV1016113	004	2004 to 2005	LAB	251.2638833	328.75	GPM
WV1016113	005	2003 to 2004	LAB	153.8888883	234.1666667	GPM
WV1016113	005	2004 to 2005	LAB	106.7708333	155.4166667	GPM
WV1016113	DS-15	2003 to 2004	LAB	735.625	1027.5	GPM
WV1016113	DS-15	2004 to 2005	LAB	435.2777778	592.2222222	GPM
WV1016113	DSMF	2004 to 2005	LAB	987.5	1350	GPM
WV1016113	DSMF02	2003 to 2004	LAB	413.75	626.25	GPM
WV1016113	DSMF02	2004 to 2005	LAB	300.2777778	440.5555556	GPM
WV1016113	DSWB	2004 to 2005	LAB	1675	1825	GPM
WV1016113	US-16	2003 to 2004	LAB	167.2916667	239.5833333	GPM
WV1016113	US-16	2004 to 2005	LAB	99.72222222	137.7777778	GPM
WV1016113	US-17	2003 to 2004	LAB	270	394.5833333	GPM
WV1016113	US-17	2004 to 2005	LAB	161.1111111	226.6666667	GPM
WV1016113	US-18	2003 to 2004	LAB	105.625	150.8333333	GPM
WV1016113	US-18	2004 to 2005	LAB	65.66666667	95.55555556	GPM
WV1016113	USMF	2004 to 2005	LAB	675	1000	GPM
WV1016113	USMFAC	2003 to 2004	LAB	301.875	462.9166667	GPM
WV1016113	USMFAC	2004 to 2005	LAB	224.7222222	338.8888889	GPM
WV1016113	USUWB-1	2004 to 2005	LAB	156.25	200	GPM
WV1016113	USUWB-2	2004 to 2005	LAB	662.5	725	GPM
WV1016113	USUWB-3	2004 to 2005	LAB	350	425	GPM
WV1016245	001	2003 to 2004	LAB	19.59090909	25.72727273	GPM
WV1016245	001	2004 to 2005	LAB	37.91666667	57.66666667	GPM
WV1016245	002	2003 to 2004	LAB	19.40909091	25.72727273	GPM
WV1016245	002	2004 to 2005	LAB	15.325	25.2	GPM
WV1016245	003	2004 to 2005	LAB	44.19375	68	GPM
WV1016245	005	2004 to 2005	LAB	4.875	8.666666667	GPM
WV1016245	006	2004 to 2005	LAB	110	110	GPM
WV1016245	007	2004 to 2005	LAB	99.9025	122.9	GPM
WV1016245	008	2004 to 2005	LAB	35.83333333	40	GPM
WV1016288	002	2003 to 2004	LAB	204.5833333	253.3333333	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1016288	002	2004 to 2005	LAB	147.1666667	215	GPM
WV1016288	009	2003 to 2004	LAB	50.41666667	62.08333333	GPM
WV1016288	009	2004 to 2005	LAB	19.58333333	24.16666667	GPM
WV1016288	012	2003 to 2004	LAB	24.72222222	32.22222222	GPM
WV1016288	012	2004 to 2005	LAB	9.318181818	10.90909091	GPM
WV1016288	014	2003 to 2004	LAB	17.5	20	GPM
WV1016288	014	2004 to 2005	LAB	8.458333333	11.83333333	GPM
WV1016288	015	2004 to 2005	LAB	0.7	0.7	GPM
WV1016288	017	2003 to 2004	LAB	122.9166667	155.8333333	GPM
WV1016288	017	2004 to 2005	LAB	46.45833333	62.91666667	GPM
WV1016288	019	2003 to 2004	LAB	222.5	258.3333333	GPM
WV1016288	019	2004 to 2005	LAB	180	204.1666667	GPM
WV1016288	024	2003 to 2004	LAB	135.4583333	155.8333333	GPM
WV1016288	024	2004 to 2005	LAB	58.54166667	67.5	GPM
WV1016288	030	2003 to 2004	LAB	144.4166667	166.25	GPM
WV1016288	030	2004 to 2005	LAB	95.625	112.0833333	GPM
WV1016288	031	2003 to 2004	LAB	108.5416667	149.5833333	GPM
WV1016288	031	2004 to 2005	LAB	83.54166667	100	GPM
WV1016288	032	2003 to 2004	LAB	102.2916667	140	GPM
WV1016288	032	2004 to 2005	LAB	42.58333333	52	GPM
WV1016288	056	2003 to 2004	LAB	124.1666667	165.4166667	GPM
WV1016288	056	2004 to 2005	LAB	20.79166667	33.33333333	GPM
WV1016288	057	2003 to 2004	LAB	2.3	2.8	GPM
WV1016288	057	2004 to 2005	LAB	1.166666667	1.333333333	GPM
WV1016296	001	2003 to 2004	LAB	12	12	GPM
WV1016296	001	2004 to 2005	LAB	15	17.4	GPM
WV1016326	001	2003 to 2004	LAB	37.85	40	GPM
WV1016326	001	2004 to 2005	LAB	42.20833333	49.58333333	GPM
WV1016512	DNF2	2004 to 2005	LAB	60	60	GPM
WV1016512	UNF1	2004 to 2005	LAB	66.25	66.25	GPM
WV1016539	116	2004 to 2005	LAB	6.666666667	8.666666667	GPM
WV1016539	118	2004 to 2005	LAB	193.5	247	GPM
WV1016539	119	2004 to 2005	LAB	13.875	19.5	GPM
WV1016652	001	2003 to 2004	LAB	97.22222222	97.22222222	GPM
WV1016652	001	2004 to 2005	LAB	35	39.28571429	GPM
WV1016652	DSTF	2004 to 2005	LAB	2.834545455	3.603636364	CFS
WV1016652	USTF	2004 to 2005	LAB	1.739090909	2.180909091	CFS
WV1016679	001	2003 to 2004	LAB	384.7272727	550	GPM
WV1016679	001	2004 to 2005	LAB	320.25	573.3333333	GPM
WV1016679	002	2003 to 2004	LAB	41.36363636	54.54545455	GPM
WV1016679	002	2004 to 2005	LAB	22.77777778	28.88888889	GPM
WV1016679	004	2003 to 2004	LAB	7.75	12.375	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1016679	004	2004 to 2005	LAB	6.090909091	9.909090909	GPM
WV1016679	005	2003 to 2004	LAB	3.5	7	GPM
WV1016679	005	2004 to 2005	LAB	4	7.5	GPM
WV1016679	006	2003 to 2004	LAB	3.5	5.25	GPM
WV1016679	006	2004 to 2005	LAB	3.666666667	7.111111111	GPM
WV1016679	009	2003 to 2004	LAB	24.09090909	34.27272727	GPM
WV1016679	009	2004 to 2005	LAB	19.25	28.5	GPM
WV1016679	013	2003 to 2004	LAB	833.5454545	1264.818182	GPM
WV1016679	013	2004 to 2005	LAB	1100.25	1993.25	GPM
WV1016679	016	2003 to 2004	LAB	23	45	GPM
WV1016679	016	2004 to 2005	LAB	8.375	12.25	GPM
WV1016679	017	2003 to 2004	LAB	21.09090909	29.27272727	GPM
WV1016679	017	2004 to 2005	LAB	34.41666667	39.58333333	GPM
WV1016679	018	2003 to 2004	LAB	132	192.1818182	GPM
WV1016679	018	2004 to 2005	LAB	290.8333333	571.6666667	GPM
WV1016679	020	2003 to 2004	LAB	118.3636364	168.7272727	GPM
WV1016679	020	2004 to 2005	LAB	100.1666667	170.6666667	GPM
WV1016679	DBHC58	2004 to 2005	LAB	6956	8121.714286	GPM
WV1016679	DJSB66	2004 to 2005	LAB	2547.625	3098.875	GPM
WV1016717	001	2003 to 2004	LAB	1	1	GPM
WV1016725	013	2003 to 2004	LAB	143.5	180	GPM
WV1016725	013	2004 to 2005	LAB	93.54166667	114.5833333	GPM
WV1016733	001	2003 to 2004	LAB	186.87	187.0733333	GPM
WV1016733	001	2004 to 2005	LAB	200	200	GPM
WV1016741	003	2004 to 2005	LAB	3	5	GPM
WV1016741	004	2003 to 2004	LAB	20.58333333	25.33333333	GPM
WV1016741	004	2004 to 2005	LAB	27.36363636	31.81818182	GPM
WV1016768	001	2004 to 2005	LAB	0.1	0.2	GPM
WV1016776	001	2003 to 2004	LAB	8352.636364	10428.54545	GPM
WV1016776	001	2004 to 2005	LAB	5524.333333	6767.5	GPM
WV1016776	002	2003 to 2004	LAB	346.0909091	526.6363636	GPM
WV1016776	002	2004 to 2005	LAB	298.6666667	366.0833333	GPM
WV1016776	003	2003 to 2004	LAB	102.2727273	134.2727273	GPM
WV1016776	003	2004 to 2005	LAB	74.66666667	106.3333333	GPM
WV1016776	004	2003 to 2004	LAB	77.45454545	102.5454545	GPM
WV1016776	004	2004 to 2005	LAB	61.41666667	74.75	GPM
WV1016776	005	2003 to 2004	LAB	15.81818182	28.27272727	GPM
WV1016776	005	2004 to 2005	LAB	14	21.27272727	GPM
WV1016776	006	2003 to 2004	LAB	61.54545455	93.54545455	GPM
WV1016776	006	2004 to 2005	LAB	58.83333333	84.5	GPM
WV1016776	013	2003 to 2004	LAB	12	21.66666667	GPM
WV1016776	013	2004 to 2005	LAB	18	26.91666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1016776	041	2003 to 2004	LAB	52.36363636	63.09090909	GPM
WV1016776	041	2004 to 2005	LAB	38.18181818	50.45454545	GPM
WV1016776	042	2003 to 2004	LAB	11.54545455	16.36363636	GPM
WV1016776	042	2004 to 2005	LAB	11.63636364	17	GPM
WV1016776	043	2003 to 2004	LAB	10.55555556	18.77777778	GPM
WV1016776	043	2004 to 2005	LAB	8.33333333	16.22222222	GPM
WV1016776	045	2003 to 2004	LAB	50.09090909	64.45454545	GPM
WV1016776	045	2004 to 2005	LAB	25.91666667	32.5	GPM
WV1016776	046	2003 to 2004	LAB	65.90909091	83.72727273	GPM
WV1016776	046	2004 to 2005	LAB	31.33333333	36.58333333	GPM
WV1016776	047	2003 to 2004	LAB	44.36363636	54.18181818	GPM
WV1016776	047	2004 to 2005	LAB	25.66666667	33.33333333	GPM
WV1016776	048	2003 to 2004	LAB	2.83333333	4.16666667	GPM
WV1016776	048	2004 to 2005	LAB	4.8	8.8	GPM
WV1016776	049	2003 to 2004	LAB	22.27272727	31.09090909	GPM
WV1016776	049	2004 to 2005	LAB	9.91666667	13.91666667	GPM
WV1016776	050	2003 to 2004	LAB	20	24.90909091	GPM
WV1016776	050	2004 to 2005	LAB	7.2	10.5	GPM
WV1016776	051	2003 to 2004	LAB	24	47.5	GPM
WV1016776	051	2004 to 2005	LAB	4	8	GPM
WV1016776	052	2003 to 2004	LAB	27.8	35.6	GPM
WV1016776	053	2003 to 2004	LAB	18.45454545	22.18181818	GPM
WV1016776	053	2004 to 2005	LAB	717.1666667	811.5833333	GPM
WV1016784	001	2003 to 2004	LAB	62.7	103.4	GPM
WV1016784	002	2003 to 2004	LAB	61.1	102.6	GPM
WV1016784	041	2004 to 2005	LAB	20.25	40	GPM
WV1016784	044	2003 to 2004	LAB	82.3125	125.3	GPM
WV1016784	044	2004 to 2005	LAB	43	48.45454545	GPM
WV1016784	047	2003 to 2004	LAB	40	40	GPM
WV1016849	001	2003 to 2004	LAB	30.85	44.8	GPM
WV1016849	001	2004 to 2005	LAB	62	69	GPM
WV1016849	002	2003 to 2004	LAB	963.9090909	1131.818182	GPM
WV1016849	002	2004 to 2005	LAB	849.5833333	1018.333333	GPM
WV1016849	003	2003 to 2004	LAB	34	40.33333333	GPM
WV1016849	003	2004 to 2005	LAB	8.33333333	9	GPM
WV1016849	004	2003 to 2004	LAB	93.83333333	126.25	GPM
WV1016849	004	2004 to 2005	LAB	163.9583333	221.6666667	GPM
WV1016865	001	2004 to 2005	LAB	78.63333333	90.03333333	GPM
WV1016865	002	2004 to 2005	LAB	28.33333333	33.33333333	GPM
WV1016865	003	2004 to 2005	LAB	59.95	83.1	GPM
WV1016881	001	2003 to 2004	LAB	0.132857143	0.237142857	GPM
WV1016881	001	2004 to 2005	LAB	0.08833333	0.1325	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1016890	008	2003 to 2004	LAB	1554.25	1776	GPM
WV1016890	008	2004 to 2005	LAB	1707.333333	2025.777778	GPM
WV1016890	015	2003 to 2004	LAB	161.3	240	GPM
WV1016890	015	2004 to 2005	LAB	860.625	1061.25	GPM
WV1016890	023	2003 to 2004	LAB	29.35714286	35.28571429	GPM
WV1016890	023	2004 to 2005	LAB	6.75	7.333333333	GPM
WV1016911	001	2003 to 2004	LAB	141.1363636	177.2727273	GPM
WV1016911	001	2004 to 2005	LAB	44.79142857	67.27285714	GPM
WV1016911	002	2003 to 2004	LAB	112.4166667	154.0833333	GPM
WV1016911	002	2004 to 2005	LAB	6	12	GPM
WV1016938	001	2003 to 2004	LAB	374.75	512.25	GPM
WV1016938	001	2004 to 2005	LAB	181.1479167	204.6083333	GPM
WV1016938	019	2003 to 2004	LAB	272.9166667	387.75	GPM
WV1016938	019	2004 to 2005	LAB	160.65625	181.7	GPM
WV1016946	001	2003 to 2004	LAB	157.0833333	200	GPM
WV1016946	001	2004 to 2005	LAB	150.8333333	208.3333333	GPM
WV1016946	002	2003 to 2004	LAB	191.6666667	239.5833333	GPM
WV1016946	002	2004 to 2005	LAB	96.45833333	107.9166667	GPM
WV1016946	003	2003 to 2004	LAB	1706.145833	2442.5	GPM
WV1016946	003	2004 to 2005	LAB	1148.680525	1662.5	GPM
WV1016946	004	2003 to 2004	LAB	122.0833333	146.25	GPM
WV1016946	004	2004 to 2005	LAB	47.91666667	56.66666667	GPM
WV1016946	007	2003 to 2004	LAB	590	708.3333333	GPM
WV1016946	007	2004 to 2005	LAB	495.8333333	558.3333333	GPM
WV1016946	008	2003 to 2004	LAB	210	314.5833333	GPM
WV1016946	008	2004 to 2005	LAB	83.75	118.3333333	GPM
WV1016954	001	2003 to 2004	LAB	253.0555556	270	GPM
WV1016954	001	2004 to 2005	LAB	125.7142857	153.5714286	GPM
WV1016962	001	2003 to 2004	LAB	10.83333333	10.83333333	GPM
WV1016962	001	2004 to 2005	LAB	10	10.45454545	GPM
WV1016962	002	2003 to 2004	LAB	33	34.16666667	GPM
WV1016962	002	2004 to 2005	LAB	38.40909091	39.54545455	GPM
WV1016962	003	2003 to 2004	LAB	13	13.33333333	GPM
WV1016962	003	2004 to 2005	LAB	7.954545455	8.181818182	GPM
WV1016962	005	2004 to 2005	LAB	5	5	GPM
WV1016962	006	2003 to 2004	LAB	6.666666667	6.666666667	GPM
WV1016962	006	2004 to 2005	LAB	5	7.5	GPM
WV1016962	007	2003 to 2004	LAB	15.42857143	15.71428571	GPM
WV1016962	007	2004 to 2005	LAB	15	15	GPM
WV1016962	008	2003 to 2004	LAB	18.75	18.75	GPM
WV1016962	008	2004 to 2005	LAB	13.5	14	GPM
WV1016962	009	2003 to 2004	LAB	12.5	12.5	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1016962	009	2004 to 2005	LAB	13	13	GPM
WV1016962	013	2003 to 2004	LAB	5	5	GPM
WV1016962	DTC-1	2004 to 2005	LAB	23.85666667	31.49777778	CFS
WV1016962	UTC-1	2004 to 2005	LAB	20.17333333	28.42	CFS
WV1016971	001	2003 to 2004	LAB	128.5	157	GPM
WV1016971	001	2004 to 2005	LAB	76.33333333	78.75	GPM
WV1016997	001	2003 to 2004	LAB	117.0833333	126.25	GPM
WV1016997	001	2004 to 2005	LAB	57.6	63.9	GPM
WV1016997	002	2003 to 2004	LAB	60	65	GPM
WV1016997	002	2004 to 2005	LAB	8.3	9.2	GPM
WV1016997	004	2004 to 2005	LAB	10.08333333	11.66666667	GPM
WV1016997	005	2004 to 2005	LAB	3.5625	4.25	GPM
WV1016997	006	2004 to 2005	LAB	4.6	4.75	GPM
WV1016997	007	2004 to 2005	LAB	2.5	3.5	GPM
WV1016997	008	2004 to 2005	LAB	16.25	17.5	GPM
WV1016997	009	2004 to 2005	LAB	7.142857143	8.857142857	GPM
WV1016997	010	2004 to 2005	LAB	6.05	7.1	GPM
WV1016997	015	2003 to 2004	LAB	16.66666667	16.66666667	GPM
WV1016997	015	2004 to 2005	LAB	9.4	11.65	GPM
WV1016997	018	2003 to 2004	LAB	20	20	GPM
WV1016997	018	2004 to 2005	LAB	2	2.666666667	GPM
WV1016997	019	2004 to 2005	LAB	3	3	GPM
WV1016997	020	2004 to 2005	LAB	2.25	2.5	GPM
WV1016997	D001	2003 to 2004	LAB	0.16675	0.24875	CFS
WV1016997	D001	2004 to 2005	LAB	0.265	0.4775	CFS
WV1017004	001	2003 to 2004	LAB	45.45454545	63.63636364	GPM
WV1017004	001	2004 to 2005	LAB	74.33333333	105.3333333	GPM
WV1017004	002	2003 to 2004	LAB	94.375	130	GPM
WV1017004	002	2004 to 2005	LAB	128	180	GPM
WV1017080	002	2003 to 2004	LAB	26.45833333	35	GPM
WV1017080	002	2004 to 2005	LAB	111.375	222.75	GPM
WV1017080	006	2003 to 2004	LAB	19	27.27272727	GPM
WV1017080	006	2004 to 2005	LAB	42.44444444	71.55555556	GPM
WV1017080	007	2003 to 2004	LAB	32.04545455	45.90909091	GPM
WV1017080	007	2004 to 2005	LAB	102.8888889	165.7777778	GPM
WV1017080	031	2004 to 2005	LAB	22.5	25	GPM
WV1017080	036	2003 to 2004	LAB	35.83333333	42.5	GPM
WV1017080	036	2004 to 2005	LAB	41.29166667	59.5	GPM
WV1017080	044	2003 to 2004	LAB	27.75	35.5	GPM
WV1017080	044	2004 to 2005	LAB	31.66666667	44.5	GPM
WV1017098	DPB	2004 to 2005	LAB	0.646	0.925	CFS
WV1017136	001	2003 to 2004	LAB	3	3	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1017144	001	2003 to 2004	LAB	21	21.66666667	GPM
WV1017144	001	2004 to 2005	LAB	28.75	30	GPM
WV1017144	005	2003 to 2004	LAB	47.27272727	51.81818182	GPM
WV1017144	005	2004 to 2005	LAB	33.125	35.41666667	GPM
WV1017144	008	2003 to 2004	LAB	11.63636364	11.81818182	GPM
WV1017144	008	2004 to 2005	LAB	14.58333333	15.41666667	GPM
WV1017144	009	2004 to 2005	LAB	15	15	GPM
WV1017144	014	2003 to 2004	LAB	18.72727273	19.09090909	GPM
WV1017144	014	2004 to 2005	LAB	21.04166667	22.08333333	GPM
WV1017144	018	2003 to 2004	LAB	16.63636364	16.81818182	GPM
WV1017144	018	2004 to 2005	LAB	14.79166667	15.83333333	GPM
WV1017144	022	2003 to 2004	LAB	17.90909091	18.63636364	GPM
WV1017144	022	2004 to 2005	LAB	18.75	20	GPM
WV1017144	024	2003 to 2004	LAB	15.6	16	GPM
WV1017152	003	2003 to 2004	LAB	30	40	GPM
WV1017152	012	2003 to 2004	LAB	52.5	75	GPM
WV1017152	014	2003 to 2004	LAB	85	117.5	GPM
WV1017152	014	2004 to 2005	LAB	305.2083333	393.75	GPM
WV1017152	019	2003 to 2004	LAB	60	100	GPM
WV1017152	019	2004 to 2005	LAB	42.54166667	61.25	GPM
WV1017152	031	2003 to 2004	LAB	202.9166667	242.9166667	GPM
WV1017152	031	2004 to 2005	LAB	278.125	337.5	GPM
WV1017152	037	2003 to 2004	LAB	26.25	37.5	GPM
WV1017152	037	2004 to 2005	LAB	50.41666667	62.91666667	GPM
WV1017152	039	2003 to 2004	LAB	89.31818182	110.9090909	GPM
WV1017161	001	2003 to 2004	LAB	19.77777778	20.55555556	GPM
WV1017161	001	2004 to 2005	LAB	8.541666667	9.583333333	GPM
WV1017161	003	2003 to 2004	LAB	35.25	36.75	GPM
WV1017161	003	2004 to 2005	LAB	21.25	31.25	GPM
WV1017161	006	2003 to 2004	LAB	5	5.2	GPM
WV1017161	006	2004 to 2005	LAB	5.375	6	GPM
WV1017179	001	2003 to 2004	LAB	112.5	142.5	GPM
WV1017179	001	2004 to 2005	LAB	77.75	90	GPM
WV1017187	001	2004 to 2005	LAB	40	51.66666667	GPM
WV1017217	002	2003 to 2004	LAB	98.5275	116	GPM
WV1017217	002	2004 to 2005	LAB	93.33333333	100.8333333	GPM
WV1017217	004	2003 to 2004	LAB	75.25	102.5	GPM
WV1017217	004	2004 to 2005	LAB	76.125	78.91666667	GPM
WV1017217	008	2003 to 2004	LAB	59.5	61.5	GPM
WV1017217	008	2004 to 2005	LAB	59.79166667	64.16666667	GPM
WV1017217	010	2003 to 2004	LAB	81.526	112	GPM
WV1017217	010	2004 to 2005	LAB	93.54166667	101.6666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1017217	011	2003 to 2004	LAB	123.725	131	GPM
WV1017217	011	2004 to 2005	LAB	107.7272727	120.9090909	GPM
WV1017217	021	2003 to 2004	LAB	60	60	GPM
WV1017217	021	2004 to 2005	LAB	100	100	GPM
WV1017217	025	2003 to 2004	LAB	9.25	10	GPM
WV1017217	026	2003 to 2004	LAB	5	5	GPM
WV1017217	031	2003 to 2004	LAB	50.625	55.625	GPM
WV1017217	031	2004 to 2005	LAB	131.1111111	131.6666667	GPM
WV1017225	001	2003 to 2004	LAB	4.428571429	6.571428571	GPM
WV1017225	001	2004 to 2005	LAB	10	18.75	GPM
WV1017225	002	2003 to 2004	LAB	10.27272727	18.54545455	GPM
WV1017225	002	2004 to 2005	LAB	18.6	25.7	GPM
WV1017225	004	2003 to 2004	LAB	75.54545455	89.90909091	GPM
WV1017225	004	2004 to 2005	LAB	33.08333333	37.33333333	GPM
WV1017241	002	2003 to 2004	LAB	45.83333333	70.83333333	GPM
WV1017241	002	2004 to 2005	LAB	67.73727273	101.7009091	GPM
WV1017241	003	2004 to 2005	LAB	64.38333333	76.16666667	GPM
WV1017268	001	2003 to 2004	LAB	1	2	GPM
WV1017268	001	2004 to 2005	LAB	0.75	1.5	GPM
WV1017268	002	2003 to 2004	LAB	1	2	GPM
WV1017276	001	2003 to 2004	LAB	50	50	GPM
WV1017276	005	2004 to 2005	LAB	0.5	0.5	GPM
WV1017276	007	2003 to 2004	LAB	10.02272727	12.27272727	GPM
WV1017276	007	2004 to 2005	LAB	6.725	8.25	GPM
WV1017276	008	2003 to 2004	LAB	9.409090909	11.36363636	GPM
WV1017276	008	2004 to 2005	LAB	8	10.7	GPM
WV1017276	011	2004 to 2005	LAB	13.2	20.2	GPM
WV1017373	002	2003 to 2004	LAB	92.04545455	109.0909091	GPM
WV1017373	002	2004 to 2005	LAB	92.91666667	108.3333333	GPM
WV1017373	003	2003 to 2004	LAB	131.8181818	150	GPM
WV1017373	003	2004 to 2005	LAB	118.5416667	141.6666667	GPM
WV1017373	004	2003 to 2004	LAB	39.77272727	48.63636364	GPM
WV1017373	004	2004 to 2005	LAB	49.58333333	62.91666667	GPM
WV1017373	007	2003 to 2004	LAB	4.25	5	GPM
WV1017373	007	2004 to 2005	LAB	8.666666667	8.666666667	GPM
WV1017373	008	2004 to 2005	LAB	1	1	GPM
WV1017373	009	2003 to 2004	LAB	4.25	5	GPM
WV1017373	009	2004 to 2005	LAB	11.25	11.25	GPM
WV1017403	008	2003 to 2004	LAB	111.7285714	134.1714286	GPM
WV1017403	008	2004 to 2005	LAB	205.3555556	284.6222222	GPM
WV1017403	009	2003 to 2004	LAB	94.28636364	111.9909091	GPM
WV1017403	009	2004 to 2005	LAB	158.1136364	272.2172727	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Loadings Year</b>	<b>Sampler a</b>	<b>Annual Average of Average Flow Rate</b>	<b>Annual Average of Maximum Flow Rate</b>	<b>Flow Rate Units</b>
WV1017411	DUTMR-2	2003 to 2004	LAB	142.1242667	242.6342667	GPM
WV1017411	DUTMR-2	2004 to 2005	LAB	0.0317	0.0317	GPM
WV1017411	DUTSR-5	2003 to 2004	LAB	40	40	GPM
WV1017411	DUTSR-5	2004 to 2005	LAB	0.29	0.29	GPM
WV1017420	001	2003 to 2004	LAB	10.42857143	13.14285714	GPM
WV1017420	001	2004 to 2005	LAB	9.5	11.66666667	GPM
WV1017438	001	2004 to 2005	LAB	45	45	GPM
WV1017438	003	2003 to 2004	LAB	0.75	1	GPM
WV1017438	003	2004 to 2005	LAB	1.06	1.25	GPM
WV1017438	008	2004 to 2005	LAB	67.25	72.5	GPM
WV1017438	009	2004 to 2005	LAB	38.33333333	40	GPM
WV1017462	001	2003 to 2004	LAB	1	1	GPM
WV1017462	002	2003 to 2004	LAB	18.5	18.5	GPM
WV1017462	002	2004 to 2005	LAB	15	15	GPM
WV1017462	003	2003 to 2004	LAB	35	35	GPM
WV1017462	005	2003 to 2004	LAB	2.5	2.5	GPM
WV1017489	001	2003 to 2004	LAB	48.95833333	55	GPM
WV1017489	001	2004 to 2005	LAB	45.31818182	55.54545455	GPM
WV1017489	002	2004 to 2005	LAB	3	4.875	GPM
WV1017519	001	2003 to 2004	LAB	24.55555556	27.88888889	GPM
WV1017519	001	2004 to 2005	LAB	8.857142857	11.14285714	GPM
WV1017535	001	2003 to 2004	LAB	66.0625	100.625	GPM
WV1017535	001	2004 to 2005	LAB	41.625	61.25	GPM
WV1017535	002	2004 to 2005	LAB	5	5	GPM
WV1017543	001	2003 to 2004	LAB	20	20	GPM
WV1017543	001	2004 to 2005	LAB	14.75	16.2	GPM
WV1017551	001	2004 to 2005	LAB	87.5	87.5	GPM
WV1017560	002	2004 to 2005	LAB	131	150	GPM
WV1017560	005	2004 to 2005	LAB	58.7	67.4	GPM
WV1017560	016	2004 to 2005	LAB	131.875	168.25	GPM
WV1017560	027	2004 to 2005	LAB	26	35	GPM
WV1017560	028	2004 to 2005	LAB	32.16666667	43.77777778	GPM
WV1017608	001	2004 to 2005	LAB	1	1	GPM
WV1017888	001	2003 to 2004	LAB	411.7142857	440.7142857	GPM
WV1017888	001	2004 to 2005	LAB	533	536.5	GPM
WV1017888	002	2003 to 2004	LAB	255.5	312.6666667	GPM
WV1017888	003	2003 to 2004	LAB	218.8333333	278.3333333	GPM
WV1017926	001	2003 to 2004	LAB	20	23.33333333	GPM
WV1017934	009	2003 to 2004	LAB	232.395	277.1428571	GPM
WV1017934	009	2004 to 2005	LAB	236.6363636	284.5454545	GPM
WV1017977	001	2003 to 2004	LAB	77.5	87.5	GPM
WV1017977	001	2004 to 2005	LAB	39.79166667	49.16666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1017977	002	2003 to 2004	LAB	25.53	41.25	GPM
WV1017977	002	2004 to 2005	LAB	26.66666667	32.91666667	GPM
WV1017985	001	2003 to 2004	LAB	4.40625	5.5625	GPM
WV1017985	001	2004 to 2005	LAB	9.708333333	14.83333333	GPM
WV1017985	002	2003 to 2004	LAB	415.8333333	503.3333333	GPM
WV1017985	002	2004 to 2005	LAB	175.9545455	223.1818182	GPM
WV1018001	007	2003 to 2004	LAB	103.1666667	113.6666667	GPM
WV1018001	007	2004 to 2005	LAB	90.25545455	98.63636364	GPM
WV1018001	013	2003 to 2004	LAB	129.6666667	139.8333333	GPM
WV1018001	013	2004 to 2005	LAB	127.1818182	134	GPM
WV1018001	014	2004 to 2005	LAB	10	10	GPM
WV1018001	015	2003 to 2004	LAB	199.3	238	GPM
WV1018001	015	2004 to 2005	LAB	150.15	157.5	GPM
WV1018001	017	2003 to 2004	LAB	144.75	157.1666667	GPM
WV1018001	017	2004 to 2005	LAB	126.1363636	133.3636364	GPM
WV1018001	024	2003 to 2004	LAB	130.8333333	140.5	GPM
WV1018001	024	2004 to 2005	LAB	159.1363636	191.5454545	GPM
WV1018027	001	2004 to 2005	LAB	60.83333333	92.66666667	GPM
WV1018027	002	2004 to 2005	LAB	58	58	GPM
WV1018027	005	2004 to 2005	LAB	28.3	36.2	GPM
WV1018035	001	2003 to 2004	LAB	9.526666667	15.58666667	GPM
WV1018035	001	2004 to 2005	LAB	34.8875	60.2875	GPM
WV1018035	003	2003 to 2004	LAB	6.715	13.43	GPM
WV1018035	003	2004 to 2005	LAB	12.5	13.9	GPM
WV1018043	003	2003 to 2004	LAB	220	20	GPM
WV1018043	004	2003 to 2004	LAB	5	5	GPM
WV1018043	004	2004 to 2005	LAB	2	2	GPM
WV1018043	005	2004 to 2005	LAB	2.5	3	GPM
WV1018051	002	2003 to 2004	LAB	79.58333333	91.25	GPM
WV1018051	002	2004 to 2005	LAB	123.4090909	183.1818182	GPM
WV1018078	001	2003 to 2004	LAB	18.33333333	21.66666667	GPM
WV1018078	001	2004 to 2005	LAB	21.79166667	26.41666667	GPM
WV1018086	001	2003 to 2004	LAB	25	48	GPM
WV1018086	001	2004 to 2005	LAB	25	25	GPM
WV1018086	002	2003 to 2004	LAB	19.16666667	20.25	GPM
WV1018086	002	2004 to 2005	LAB	22.9	27.4	GPM
WV1018493	001	2003 to 2004	LAB	29.16666667	31.66666667	GPM
WV1018493	001	2004 to 2005	LAB	30	32.5	GPM
WV1018493	DBBS	2003 to 2004	LAB	34	35	GPM
WV1018493	DBBS	2004 to 2005	LAB	40.68181818	45	GPM
WV1018531	001	2003 to 2004	LAB	30	33.75	GPM
WV1018531	001	2004 to 2005	LAB	32.25	40	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1018531	002	2003 to 2004	LAB	33.41666667	39.75	GPM
WV1018531	002	2004 to 2005	LAB	41.75	47	GPM
WV1018531	003	2003 to 2004	LAB	21.16666667	38	GPM
WV1018531	003	2004 to 2005	LAB	9.25	10.66666667	GPM
WV1018531	004	2003 to 2004	LAB	15	15	GPM
WV1018540	011	2003 to 2004	LAB	2.25	4.5	GPM
WV1018540	011	2004 to 2005	LAB	6.083333333	12.16666667	GPM
WV1018540	027	2003 to 2004	LAB	84.5	111.5	GPM
WV1018540	027	2004 to 2005	LAB	31.375	40.66666667	GPM
WV1018574	001	2003 to 2004	LAB	113.5416667	120	GPM
WV1018574	001	2004 to 2005	LAB	178.3333333	196.0416667	GPM
WV1018574	003	2003 to 2004	LAB	36.875	41.66666667	GPM
WV1018574	003	2004 to 2005	LAB	52.29166667	59.58333333	GPM
WV1018574	004	2003 to 2004	LAB	37.5	42.08333333	GPM
WV1018574	004	2004 to 2005	LAB	52.70833333	57.91666667	GPM
WV1018574	005	2003 to 2004	LAB	73.54166667	82.5	GPM
WV1018574	005	2004 to 2005	LAB	85.83333333	97.08333333	GPM
WV1018582	001	2003 to 2004	LAB	20.62666667	25.12083333	GPM
WV1018582	001	2004 to 2005	LAB	0.254	0.358	GPM
WV1018582	002	2003 to 2004	LAB	77.33416667	92.4875	GPM
WV1018582	002	2004 to 2005	LAB	38.89583333	61.16666667	GPM
WV1018698	003	2003 to 2004	LAB	40.58333333	58.91666667	GPM
WV1018698	003	2004 to 2005	LAB	32.63636364	44.09090909	GPM
WV1018761	001	2004 to 2005	LAB	30	30	GPM
WV1018825	001	2003 to 2004	LAB	35	42.5	GPM
WV1018825	001	2004 to 2005	LAB	45.20833333	61.25	GPM
WV1018825	002	2004 to 2005	LAB	15	24.16666667	GPM
WV1018850	001	2003 to 2004	LAB	81.13636364	94.09090909	GPM
WV1018850	001	2004 to 2005	LAB	135.625	149.1666667	GPM
WV1018850	003	2003 to 2004	LAB	91.66666667	112.0833333	GPM
WV1018850	003	2004 to 2005	LAB	100.8333333	112.5	GPM
WV1018884	001	2003 to 2004	LAB	3.454545455	4.272727273	GPM
WV1018884	001	2004 to 2005	LAB	3	3.833333333	GPM
WV1018914	047	2003 to 2004	LAB	32.72727273	39.09090909	GPM
WV1018914	047	2004 to 2005	LAB	120.7766667	168.88	GPM
WV1018914	094	2004 to 2005	LAB	58.3425	62.8275	GPM
WV1018914	096	2004 to 2005	LAB	12	23.99833333	GPM
WV1018922	002	2004 to 2005	LAB	75.195	75.195	GPM
WV1018931	001	2003 to 2004	LAB	72.39545455	100.9272727	GPM
WV1018931	001	2004 to 2005	LAB	76.74666667	102	GPM
WV1018931	002	2003 to 2004	LAB	52.13181818	80.50272727	GPM
WV1018931	002	2004 to 2005	LAB	36.28833333	47.14166667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1018931	003	2003 to 2004	LAB	75.06545455	98.03636364	GPM
WV1018931	003	2004 to 2005	LAB	274.2490909	308	GPM
WV1018973	001	2003 to 2004	LAB	40	40	GPM
WV1019066	009	2003 to 2004	LAB	165.8333333	294.1666667	GPM
WV1019066	009	2004 to 2005	LAB	53.33333333	75.83333333	GPM
WV1019091	001	2003 to 2004	LAB	118.5416667	133.75	GPM
WV1019091	001	2004 to 2005	LAB	144.1388889	159.4444444	GPM
WV1019091	004	2003 to 2004	LAB	82.5	125	GPM
WV1019091	004	2004 to 2005	LAB	111.0416667	126.25	GPM
WV1019091	006	2003 to 2004	LAB	15	15	GPM
WV1019091	007	2003 to 2004	LAB	86.28787909	112.2727273	GPM
WV1019091	007	2004 to 2005	LAB	93.33333333	108.3333333	GPM
WV1019121	001	2003 to 2004	LAB	127.9166667	192.75	GPM
WV1019121	001	2004 to 2005	LAB	183.5	236.4444444	GPM
WV1019121	002	2003 to 2004	LAB	7.3	9.2	GPM
WV1019121	002	2004 to 2005	LAB	9.05	12.8	GPM
WV1019147	001	2003 to 2004	LAB	555.875	610.0833333	GPM
WV1019147	001	2004 to 2005	LAB	498.9583333	518.75	GPM
WV1019180	001	2004 to 2005	LAB	342.5	350	GPM
WV1019201	001	2004 to 2005	LAB	104.1666667	116.6666667	GPM
WV1019279	001	2003 to 2004	LAB	57.125	62.25	GPM
WV1019279	001	2004 to 2005	LAB	74	79	GPM
WV1019279	002	2003 to 2004	LAB	1	2	GPM
WV1019279	002	2004 to 2005	LAB	3.833333333	4.333333333	GPM
WV1019279	010	2003 to 2004	LAB	1	2	GPM
WV1019279	011	2003 to 2004	LAB	1	2	GPM
WV1019279	013	2003 to 2004	LAB	3.5	5	GPM
WV1019279	013	2004 to 2005	LAB	3.666666667	4	GPM
WV1019279	020	2004 to 2005	LAB	6.25	7.666666667	GPM
WV1019279	021	2003 to 2004	LAB	34.47727273	42.95454545	GPM
WV1019279	021	2004 to 2005	LAB	49.5	57	GPM
WV1019279	023	2004 to 2005	LAB	4.916666667	6.166666667	GPM
WV1019279	024	2004 to 2005	LAB	55.83333333	60.83333333	GPM
WV1019279	029	2003 to 2004	LAB	47.91666667	54.16666667	GPM
WV1019279	029	2004 to 2005	LAB	54.95	62.5	GPM
WV1019279	030	2003 to 2004	LAB	1	2	GPM
WV1019287	001	2003 to 2004	LAB	44.24166667	50.79166667	GPM
WV1019287	001	2004 to 2005	LAB	65.27777778	71.66666667	GPM
WV1019309	001	2004 to 2005	LAB	3092.25	5303.25	GPM
WV1019309	009	2004 to 2005	LAB	1939	3879	GPM
WV1019317	001	2003 to 2004	LAB	7.25	7.25	GPM
WV1019317	001	2004 to 2005	LAB	2	2	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1019333	001	2003 to 2004	LAB	24.91666667	30.91666667	GPM
WV1019333	001	2004 to 2005	LAB	19.05	23.8	GPM
WV1019333	002	2003 to 2004	LAB	24.875	27.5	GPM
WV1019333	002	2004 to 2005	LAB	24.7	27.6	GPM
WV1019341	001	2003 to 2004	LAB	29.66666667	58.33333333	GPM
WV1019341	001	2004 to 2005	LAB	6	12	GPM
WV1019341	003	2003 to 2004	LAB	51.07142857	80.71428571	GPM
WV1019341	003	2004 to 2005	LAB	20	25.5	GPM
WV1019341	006	2003 to 2004	LAB	12.875	17.5	GPM
WV1019341	006	2004 to 2005	LAB	12.5	25	GPM
WV1019341	007	2003 to 2004	LAB	15.92857143	20.28571429	GPM
WV1019341	007	2004 to 2005	LAB	37.22222222	42.44444444	GPM
WV1019341	013	2004 to 2005	LAB	9.785714286	14.71428571	GPM
WV1019341	014	2003 to 2004	LAB	4.0625	7.75	GPM
WV1019341	014	2004 to 2005	LAB	11.88888889	16.11111111	GPM
WV1019341	016	2003 to 2004	LAB	17.35714286	24.71428571	GPM
WV1019341	016	2004 to 2005	LAB	23.44444444	27.55555556	GPM
WV1019449	027	2004 to 2005	LAB	18	32	GPM
WV1019457	003	2003 to 2004	LAB	15.55	20.75	GPM
WV1019457	003	2004 to 2005	LAB	90.71	110.5833333	GPM
WV1019457	004	2003 to 2004	LAB	93.5	97.375	GPM
WV1019457	004	2004 to 2005	LAB	164.7727273	190.9090909	GPM
WV1019490	001	2003 to 2004	LAB	3.171875	5.46875	GPM
WV1019490	001	2004 to 2005	LAB	2.083333333	2.083333333	GPM
WV1019490	003	2003 to 2004	LAB	49.07142857	64.14285714	GPM
WV1019490	004	2003 to 2004	LAB	1	1.277777778	GPM
WV1019490	004	2004 to 2005	LAB	2.125	2.125	GPM
WV1019546	001	2003 to 2004	LAB	5	10	GPM
WV1019546	001	2004 to 2005	LAB	15	15	GPM
WV1019554	001	2003 to 2004	LAB	35.75	66.875	GPM
WV1019554	001	2004 to 2005	LAB	36.55555556	45	GPM
WV1019589	014	2003 to 2004	LAB	13.5	15	GPM
WV1019589	014	2004 to 2005	LAB	15	15	GPM
WV1019660	004	2003 to 2004	LAB	17.5	35	GPM
WV1019660	004	2004 to 2005	LAB	7.5	15	GPM
WV1019660	DHW (SW7)	2003 to 2004	LAB	536.77	784.6822222	GPM
WV1019660	DHW (SW7)	2004 to 2005	LAB	484.2172727	656.2663636	GPM
WV1019660	DLF (SW6)	2003 to 2004	LAB	1537.424444	2214.671111	GPM
WV1019660	DLF (SW6)	2004 to 2005	LAB	1672.276	2143.97	GPM
WV1019660	(SW1)	2003 to 2004	LAB	341.7457143	500.2757143	GPM
WV1019660	(SW1)	2004 to 2005	LAB	75.31	112.65	GPM
WV1019660	(SW3)	2003 to 2004	LAB	465.0042857	761.1514286	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1019660	(SW3)	2004 to 2005	LAB	276.196	321.291	GPM
WV1019660	GW7	2003 to 2004	LAB	44.54571429	62.71571429	GPM
WV1019660	GW7	2004 to 2005	LAB	38.75909091	51.03636364	GPM
WV1019660	GW8	2004 to 2005	LAB	33	36	GPM
WV1019660	GW9	2003 to 2004	LAB	33.85285714	43.72428571	GPM
WV1019660	GW9	2004 to 2005	LAB	61.4	81.234	GPM
WV1019660	UCB (SW2)	2003 to 2004	LAB	224.3071429	302.8042857	GPM
WV1019660	UCB (SW2)	2004 to 2005	LAB	103.9481818	130.44	GPM
WV1019660	(SW22)	2003 to 2004	LAB	253.3944444	314.7455556	GPM
WV1019660	(SW22)	2004 to 2005	LAB	197.9481818	297.2381818	GPM
WV1019660	ULF (SW19)	2003 to 2004	LAB	204.21625	359.355	GPM
WV1019660	ULF (SW19)	2004 to 2005	LAB	118.4416667	189.55	GPM
WV1019660	URFLF	2003 to 2004	LAB	131.8344444	195.9233333	GPM
WV1019660	URFLF	2004 to 2005	LAB	73.751	97.73	GPM
WV1019988	002	2003 to 2004	LAB	26.36363636	35.90909091	GPM
WV1019988	002	2004 to 2005	LAB	62.3	81.5	GPM
WV1019988	003	2003 to 2004	LAB	92.71666667	165.4333333	GPM
WV1019988	003	2004 to 2005	LAB	26.83333333	40	GPM
WV1019988	004	2003 to 2004	LAB	8.875	14	GPM
WV1019988	004	2004 to 2005	LAB	116.8125	199.375	GPM
WV1019996	001	2003 to 2004	LAB	15.50409091	18.095	GPM
WV1019996	001	2004 to 2005	LAB	17.38888889	21.11111111	GPM
WV1019996	002	2003 to 2004	LAB	64.10863636	67.45833333	GPM
WV1019996	002	2004 to 2005	LAB	51.16666667	57.22222222	GPM
WV1020005	001	2003 to 2004	LAB	59.244	88.37	GPM
WV1020005	001	2004 to 2005	LAB	27.703	32.604	GPM
WV1020005	005	2003 to 2004	LAB	125.9444444	154.8	GPM
WV1020005	005	2004 to 2005	LAB	106.6111111	126.1111111	GPM
WV1020005	006	2003 to 2004	LAB	25.5625	37.556	GPM
WV1020005	006	2004 to 2005	LAB	3	3	GPM
WV1020005	007	2003 to 2004	LAB	89.38888889	106.1	GPM
WV1020005	007	2004 to 2005	LAB	45	54.44444444	GPM
WV1020013	003	2003 to 2004	LAB	18	19.16666667	GPM
WV1020013	003	2004 to 2005	LAB	18.75	19.58333333	GPM
WV1020013	004	2003 to 2004	LAB	19.54545455	20	GPM
WV1020013	004	2004 to 2005	LAB	16.66666667	17.5	GPM
WV1020013	005	2003 to 2004	LAB	22.54545455	22.72727273	GPM
WV1020013	005	2004 to 2005	LAB	18.33333333	19.16666667	GPM
WV1020013	006	2003 to 2004	LAB	19.18181818	19.54545455	GPM
WV1020013	006	2004 to 2005	LAB	15.83333333	16.66666667	GPM
WV1020013	007	2003 to 2004	LAB	15.3	15.5	GPM
WV1020013	007	2004 to 2005	LAB	13.33333333	14.16666667	GPM



**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1020013	009	2003 to 2004	LAB	22.5	22.5	GPM
WV1020013	009	2004 to 2005	LAB	15.625	16.66666667	GPM
WV1020013	015	2003 to 2004	LAB	15	15.83333333	GPM
WV1020013	015	2004 to 2005	LAB	11.25	12.08333333	GPM
WV1020013	038	2003 to 2004	LAB	10	10	GPM
WV1020013	038	2004 to 2005	LAB	11.68181818	12.27272727	GPM
WV1020056	001	2003 to 2004	LAB	88.15	99.90909091	GPM
WV1020056	001	2004 to 2005	LAB	73.61111111	87.77777778	GPM
WV1020102	001	2003 to 2004	LAB	200.75	228.9375	GPM
WV1020102	001	2004 to 2005	LAB	67.5	87.5	GPM
WV1020102	002	2003 to 2004	LAB	25	25	GPM
WV1020102	002	2004 to 2005	LAB	87.55	96.5	GPM
WV1020102	004	2004 to 2005	LAB	18.36	21.6	GPM
WV1020102	005	2004 to 2005	LAB	43.75	60	GPM
WV1020111	001	2003 to 2004	LAB	500	500	GPM
WV1020111	001	2004 to 2005	LAB	0.05	0.05	GPM
WV1020111	002	2003 to 2004	LAB	267.5	425	GPM
WV1020111	002	2004 to 2005	LAB	511	762	GPM
WV1020145	001	2003 to 2004	LAB	51.66666667	65.41666667	GPM
WV1020145	001	2004 to 2005	LAB	20.83333333	26.5	GPM
WV1020161	005	2004 to 2005	LAB	14	28	GPM
WV1020196	001	2003 to 2004	LAB	14.28571429	22.85714286	GPM
WV1020196	001	2004 to 2005	LAB	25.5	50	GPM
WV1020196	005	2003 to 2004	LAB	32.70833333	40.83333333	GPM
WV1020196	005	2004 to 2005	LAB	57.8575	79.53666667	GPM
WV1020196	006	2003 to 2004	LAB	49.79166667	62.5	GPM
WV1020196	006	2004 to 2005	LAB	85.1275	110.7191667	GPM
WV1020196	007	2003 to 2004	LAB	30.41666667	34.58333333	GPM
WV1020196	007	2004 to 2005	LAB	75.15666667	114.1144444	GPM
WV1020218	002	2004 to 2005	LAB	12.25	13.75	GPM
WV1020269	001	2003 to 2004	LAB	0.17	0.34	GPM
WV1020269	002	2003 to 2004	LAB	0.087272727	0.129090909	GPM
WV1020285	001	2004 to 2005	LAB	15	15	GPM
WV1020285	002	2004 to 2005	LAB	6	6	GPM
WV1020307	007	2004 to 2005	LAB	87.5	87.5	GPM
WV1020307	018	2004 to 2005	LAB	88.375	88.625	GPM
WV1020307	019	2003 to 2004	LAB	57.5	57.5	GPM
WV1020307	019	2004 to 2005	LAB	99.85	100.5	GPM
WV1020307	020	2003 to 2004	LAB	67.5	67.5	GPM
WV1020307	020	2004 to 2005	LAB	137.35	183.7	GPM
WV1020307	021	2004 to 2005	LAB	80	85	GPM
WV1020307	022	2003 to 2004	LAB	61.25	61.25	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1020307	022	2004 to 2005	LAB	77	82.75	GPM
WV1020315	011	2003 to 2004	LAB	360.4166667	437.5	GPM
WV1020315	011	2004 to 2005	LAB	187.0833333	240	GPM
WV1020323	001	2003 to 2004	LAB	200	200	GPM
WV1020323	001	2004 to 2005	LAB	59.16666667	72.77777778	GPM
WV1020331	001	2003 to 2004	LAB	6.75	10	GPM
WV1020331	001	2004 to 2005	LAB	6.208333333	8.583333333	GPM
WV1020340	001	2003 to 2004	LAB	15.11111111	15.77777778	GPM
WV1020340	001	2004 to 2005	LAB	3	3	GPM
WV1020366	003	2003 to 2004	LAB	162.525	272.85	GPM
WV1020366	003	2004 to 2005	LAB	136.3888889	161.1111111	GPM
WV1020374	001	2003 to 2004	LAB	103.4	126.6	GPM
WV1020374	001	2004 to 2005	LAB	80.38625	85.58333333	GPM
WV1020404	001	2003 to 2004	LAB	29.25	35.41666667	GPM
WV1020404	001	2004 to 2005	LAB	19.16666667	22.5	GPM
WV1020404	002	2003 to 2004	LAB	82.66666667	160	GPM
WV1020404	002	2004 to 2005	LAB	119.3333333	206.6666667	GPM
WV1020412	001	2003 to 2004	LAB	61.225	95.43333333	GPM
WV1020412	001	2004 to 2005	LAB	17.5	25.11111111	GPM
WV1020412	002	2003 to 2004	LAB	74.63636364	90.90909091	GPM
WV1020412	002	2004 to 2005	LAB	36	44.9	GPM
WV1020412	003	2003 to 2004	LAB	66.7	76	GPM
WV1020412	003	2004 to 2005	LAB	41.55	54.8	GPM
WV1020412	004	2003 to 2004	LAB	152.2916667	169.5833333	GPM
WV1020412	004	2004 to 2005	LAB	61.3	79.1	GPM
WV1020412	006	2003 to 2004	LAB	98.66666667	132.0833333	GPM
WV1020412	006	2004 to 2005	LAB	25.8	34.3	GPM
WV1020412	007	2003 to 2004	LAB	90.25	102.5	GPM
WV1020412	007	2004 to 2005	LAB	36	42.1	GPM
WV1020412	008	2003 to 2004	LAB	173.125	186.6666667	GPM
WV1020412	008	2004 to 2005	LAB	66.85	75.5	GPM
WV1020412	009	2004 to 2005	LAB	5	5	GPM
WV1020439	001	2004 to 2005	LAB	9	9	GPM
WV1020439	003	2004 to 2005	LAB	15	15	GPM
WV1020439	006	2004 to 2005	LAB	5.5	6.888888889	GPM
WV1020439	007	2004 to 2005	LAB	12	13	GPM
WV1020439	DFC-1	2004 to 2005	LAB	7.598181818	9.522727273	CFS
WV1020439	DRF-1	2004 to 2005	LAB	1.214545455	1.535454545	CFS
WV1020439	UFC-1	2004 to 2005	LAB	8.097272727	14.56818182	CFS
WV1020439	URF-1	2004 to 2005	LAB	0.1	0.115	CFS
WV1020455	001	2003 to 2004	LAB	927.9375	1994.125	GPM
WV1020455	001	2004 to 2005	LAB	85.625	134.1666667	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1020455	DPF	2003 to 2004	LAB	48337.5	65485.4	GPM
WV1020455	DPF	2004 to 2005	LAB	50872.63636	59480.36364	GPM
WV1020455	DPF-1	2003 to 2004	LAB	39438.1	51003.2	GPM
WV1020455	DPF-1	2004 to 2005	LAB	34804	42269.41667	GPM
WV1020455	UPF	2003 to 2004	LAB	41678.31789	59048.5	GPM
WV1020455	UPF	2004 to 2005	LAB	34219.25	42869.66667	GPM
WV1020455	UPF-1	2003 to 2004	LAB	33240.6	46800	GPM
WV1020455	UPF-1	2004 to 2005	LAB	26511.5	31434	GPM
WV1020480	DRC	2003 to 2004	LAB	1.89	2.68	CFS
WV1020480	DRC	2004 to 2005	LAB	2.204166667	2.6725	CFS
WV1020480	URC	2003 to 2004	LAB	1.31	1.9	CFS
WV1020480	URC	2004 to 2005	LAB	1.184166667	1.511666667	CFS
WV1020498	DHC	2003 to 2004	LAB	134.05	161.1857143	CFS
WV1020498	DHC	2004 to 2005	LAB	56.4625	62.925	CFS
WV1020498	UHC	2003 to 2004	LAB	81.47	106.4857143	CFS
WV1020498	UHC	2004 to 2005	LAB	30.29583333	35.26916667	CFS
WV1020501	003	2003 to 2004	LAB	23.77083333	27.08333333	GPM
WV1020501	003	2004 to 2005	LAB	18.75	25	GPM
WV1020510	001	2004 to 2005	LAB	1	6	GPM
WV1020510	013	2003 to 2004	LAB	17.91666667	25.91666667	GPM
WV1020510	013	2004 to 2005	LAB	9.5	11.5	GPM
WV1020510	018	2003 to 2004	LAB	17.09090909	23.54545455	GPM
WV1020510	018	2004 to 2005	LAB	4.555555556	5.555555556	GPM
WV1020510	024	2003 to 2004	LAB	8.625	12.75	GPM
WV1020510	024	2004 to 2005	LAB	4	5	GPM
WV1020510	026	2003 to 2004	LAB	10.3	17.3	GPM
WV1020510	027	2003 to 2004	LAB	3	10	GPM
WV1020510	028	2003 to 2004	LAB	605.0909091	896	GPM
WV1020510	028	2004 to 2005	LAB	27.4	46.4	GPM
WV1020552	001	2003 to 2004	LAB	79.72222222	115	GPM
WV1020552	001	2004 to 2005	LAB	22.5	30	GPM
WV1020561	001	2004 to 2005	LAB	249.5	315	GPM
WV1020561	002	2004 to 2005	LAB	309	403	GPM
WV1020579	031	2004 to 2005	LAB	162	249	GPM
WV1020579	045	2004 to 2005	LAB	167.75	248.75	GPM
WV1020587	DJB	2003 to 2004	LAB	1477.833333	2338.166667	GPM
WV1020587	DJB	2004 to 2005	LAB	2237.55	2739.2	GPM
WV1020587	DPF	2003 to 2004	LAB	39588.83333	52292.66667	GPM
WV1020587	DPF	2004 to 2005	LAB	52822	70168.5	GPM
WV1020587	UPF	2003 to 2004	LAB	39557.5	59576	GPM
WV1020587	UPF	2004 to 2005	LAB	48276	55581.4	GPM
WV1020609	005	2003 to 2004	LAB	36	52	GPM

**Table F-2. Annual Average Flow Rates in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WV1020609	005	2004 to 2005	LAB	63.41555556	96.00888889	GPM
WV1020609	006	2003 to 2004	LAB	26.5	33	GPM
WV1020609	006	2004 to 2005	LAB	42.442	59.396	GPM
WV1020609	008	2003 to 2004	LAB	5	10	GPM
WV1020609	008	2004 to 2005	LAB	63.16666667	97.33333333	GPM
WV1020609	009	2003 to 2004	LAB	11.5425	14.75083333	GPM
WV1020609	009	2004 to 2005	LAB	28.14777778	39.92888889	GPM
WV1020609	010	2003 to 2004	LAB	18.5	22.5	GPM
WV1020609	010	2004 to 2005	LAB	19.48625	29.185	GPM
WV1020609	011	2003 to 2004	LAB	20	40	GPM
WV1020609	011	2004 to 2005	LAB	10	20	GPM
WV1020609	012	2003 to 2004	LAB	22.5	45	GPM
WV1020609	013	2003 to 2004	LAB	22.66666667	32	GPM
WV1020609	013	2004 to 2005	LAB	60.50222222	90.32333333	GPM
WV1020609	023	2004 to 2005	LAB	56.84	107.6933333	GPM
WV1020609	025	2004 to 2005	LAB	26.18333333	52.35666667	GPM
WV1020609	033	2004 to 2005	LAB	65.50444444	83.52777778	GPM
WV1020617	002	2004 to 2005	LAB	90	90	GPM
WV1020650	008	2004 to 2005	LAB	112.5	125	GPM
WV1020650	009	2004 to 2005	LAB	75.25	114	GPM
WV1020978	001	2004 to 2005	LAB	10	20	GPM
WV1021095	001	2003 to 2004	LAB	75	135	GPM
WV1021095	001	2004 to 2005	LAB	118.3333333	165.5833333	GPM
WV1021141	DSDF-01	2004 to 2005	LAB	54500	100000	GPM
WV1021141	DSJF-12	2004 to 2005	LAB	16000	20000	GPM
WV1021141	USDF-01	2004 to 2005	LAB	73500	75000	GPM
WV1021613	001	2004 to 2005	LAB	75.5	103.8181818	GPM
WV1021664	001	2004 to 2005	LAB	50.83333333	60	GPM
WV1021664	009	2004 to 2005	LAB	20	20	GPM
WV1021681	004	2004 to 2005	LAB	3.953125	4.34375	GPM
WV1021681	006	2004 to 2005	LAB	137.1666667	145.8333333	GPM
WVG012002	001	2003 to 2004	LAB	22.5	25.375	GPM
WVG012002	001	2004 to 2005	LAB	21.3	22.5	GPM
WVG013068	001	2003 to 2004	LAB	12.5	25	GPM
WVG013068	014	2003 to 2004	LAB	3.928571429	7.857142857	GPM
WVG014003	003	2003 to 2004	LAB	75	100	GPM
WVG014010	001	2004 to 2005	LAB	26.35	33	GPM
WVG015007	002	2003 to 2004	LAB	357.5833333	372.6666667	GPM
WVG015007	003	2003 to 2004	LAB	30	60	GPM
WVG015007	004	2003 to 2004	LAB	17.5	35	GPM
WVG015007	005	2003 to 2004	LAB	474.5	886.5	GPM
WVG015007	005	2004 to 2005	LAB	156.25	215.625	GPM

**Table F-2. Annual Average Flow Rates in WVDNR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Sampler a	Annual Average of Average Flow Rate	Annual Average of Maximum Flow Rate	Flow Rate Units
WVG015007	007	2003 to 2004	LAB	63.4	95.6	GPM
WVG015007	007	2004 to 2005	LAB	50.45454545	57.72727273	GPM
WVG015007	009	2003 to 2004	LAB	1.5	3	GPM
WVG015007	009	2004 to 2005	LAB	5	5	GPM
WVG015014	001	2003 to 2004	LAB	51.25	85	GPM
WVG015014	001	2004 to 2005	LAB	13.22222222	17.33333333	GPM
WVG015033	DMF	2003 to 2004	LAB	2.67	2.88	CFS
WVG015034	002	2003 to 2004	LAB	31.45454545	39.09090909	GPM
WVG015034	002	2004 to 2005	LAB	16.75	20.41666667	GPM
WVG015050	001	2004 to 2005	LAB	32	36.66666667	GPM
WVG022516	001	2003 to 2004	LAB	1.5	1.5	GPM
WVG022516	001	2004 to 2005	LAB	1.5	1.5	GPM
WVG022516	002	2003 to 2004	LAB	2	2	GPM
WVG022516	002	2004 to 2005	LAB	1	1	GPM

Source: WVDNR.

(a) "LAB" indicates that the sample was analyzed by the facility rather than during an inspection.

(b) November 2003 flow rate reading listed units of MGD. Based on other flow rates reported, assumed the units should be GPM.

(c) Database included two flow rate readings for the outfall in July 2004: 21 GPM and 8760 GPM. EPA used the 21 GPM flow rate for the pollutant loadings analysis--this value appeared to be correct flow rate.

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0000213	003	2003 to 2004	0.4	0.4	0.1375	0.251666667	0.1	0.131666667	2	1.833333333
WV0000213	003	2004 to 2005		0.4		0.146666667		0.073333333		1.333333333
WV0000213	012	2003 to 2004	0.4	0.4	0.9275	0.784166667	0.35	0.300833333	4.5	3.25
WV0000213	012	2004 to 2005		0.4		0.516666667		0.246666667		2.333333333
WV0000418	002	2003 to 2004	0.43	0.56	1.9825	2.401666667	0	0	7.458333333	11.54166667
WV0000418	002	2004 to 2005	0.471666667	0.641666667	1.174583333	0	0	0	0	0
WV0000418	005	2003 to 2004	0	0.3	0	0	0	0	0	0
WV0000418	005	2004 to 2005	0.42	0.83	0	0	0	0	40	80
WV0000418	015	2003 to 2004	0.508571429	0.707142857	11.53714286	17.80428571	0	0	0	0
WV0000418	015	2004 to 2005	0.476666667	0.595	8.100833333	12.03083333	2.804166667	5.2375	0	0
WV0000434	001	2003 to 2004			0.04	0.045454545	0.010909091	0.011818182	6.454545455	8.272727273
WV0000434	001	2004 to 2005	0.113333333	0.1325	0.056666667	0.0675	0.024166667	0.033333333	5.5	7
WV0000434	002	2003 to 2004			0.059090909	0.070909091	0.012727273	0.014545455	7.818181818	9.636363636
WV0000434	002	2004 to 2005	0.153333333	0.214166667	0.0775	0.106666667	0.016666667	0.021666667	7.083333333	9.083333333
WV0000434	004	2003 to 2004								
WV0000434	004	2004 to 2005	1	1	0.14	0.14	0.01	0.01	5	5
WV0001104	004	2003 to 2004	0.101136364	0.132727273	0.341818182	0.449090909	0.209545455	0.384090909	5.892045455	8.25
WV0001104	004	2004 to 2005	0.042	0.0625	0.297	0.4105	0.10675	0.1665	2.65	3.6
WV0001104	005	2003 to 2004								
WV0001104	005	2004 to 2005	0.14	0.235	1.0675	1.17	0.8325	0.925	4.125	5
WV0001104	006	2003 to 2004	0.194375	0.294166667	0.398333333	0.495833333	0.064583333	0.090416667	4.890625	7.739583333
WV0001104	006	2004 to 2005	0.08925	0.118	0.21175	0.258	0.06175	0.088	2.225	3.3
WV0001104	007	2003 to 2004	0.02625	0.044166667	0.039583333	0.0525	0.009791667	0.015	2.875	3.71875
WV0001104	007	2004 to 2005	0.0185	0.0285	0.053	0.0735	0.01675	0.0285	1.75	2.4
WV0001104	009	2003 to 2004	0.042708333	0.059166667	1.298333333	1.600833333	0.175416667	0.213333333	6.604166667	10.79166667
WV0001104	009	2004 to 2005	0.028181818	0.044545455	0.825227273	0.984545455	0.119772727	0.153636364	3.386363636	4.727272727
WV0001104	011	2003 to 2004	0.073611111	0.076111111	1.797222222	1.891111111	1.464444444	1.572222222	8.069444444	10.375
WV0001104	011	2004 to 2005	0.0803125	0.14875	0.92	1.2825	0.606875	0.69625	5.84375	9
WV0001104	013	2003 to 2004	0.235	0.26	0.271	0.292	0.011	0.011	10.0375	11
WV0001104	013	2004 to 2005	0.061428571	0.075714286	0.072857143	0.084285714	0.025	0.032857143	2.928571429	3
WV0001104	014	2003 to 2004	0.169090909	0.229090909	0.388636364	0.538181818	0.084318182	0.116363636	12.63068182	21.01136364
WV0001104	014	2004 to 2005	0.115	0.162727273	0.227272727	0.307727273	0.084090909	0.135454545	8.068181818	11.04545455
WV0001104	015	2003 to 2004	0.215625	0.240833333	0.477708333	0.625833333	0.013333333	0.017916667	22.390625	30.78125
WV0001104	015	2004 to 2005	0.18125	0.25555	0.29375	0.33855	0.0265	0.03755	13.55	21.50005
WV0001104	016	2003 to 2004	0.68	0.68	1.53	1.53	0.01	0.01	92	92

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0001104	016	2004 to 2005								
WV0001104	017	2003 to 2004	0.45	0.45	1.07	1.07	0	0	109	109
WV0001104	017	2004 to 2005	0.37	0.37	0.49	0.49	0.15	0.15	54	54
WV0001104	020	2003 to 2004	0.097083333	0.133333333	0.390833333	0.540833333	0.03	0.047916667	2.395833333	3.052083333
WV0001104	020	2004 to 2005	0.095454545	0.150909091	0.380909091	0.531818182	0.032954545	0.054545455	3.227272727	5.727272727
WV0001104	021	2003 to 2004	0.051041667	0.069166667	0.705	0.898333333	0.356666667	0.458333333	3.484375	5.041666667
WV0001104	021	2004 to 2005	0.050454545	0.076818182	0.530909091	0.635454545	0.315	0.454545455	2.522727273	4.136363636
WV0001104	022	2003 to 2004	0.03	0.050833333	0.023958333	0.035833333	0.018333333	0.029583333	2.104166667	2.375
WV0001104	022	2004 to 2005	0.024318182	0.044545455	0.023636364	0.041818182	0.0125	0.019545455	0.886363636	1.227272727
WV0001104	023	2003 to 2004	0.063125	0.0775	0.065	0.0825	0.01875	0.02	2.8125	3.4375
WV0001104	023	2004 to 2005								
WV0001503	001	2003 to 2004	0.2975	0.389166667	0	0	0	0.347083333	0	0
WV0001503	001	2004 to 2005	0.37	0.541111111	0	0	0	0	0	0
WV0001503	002	2003 to 2004	0.4575	0.659166667	0	0	0	0	0	0
WV0001503	002	2004 to 2005	0.23375	0.43625	0	0	0	0	9.28125	18.25
WV0001503	003	2003 to 2004	0.340833333	0.534166667	0.57125	0	0	0	13.375	23.45833333
WV0001503	003	2004 to 2005	0.36375	0.67	0	0	0	0	11.96875	0
WV0001503	005	2003 to 2004	0.374285714	0.511428571	0	0	0	0	13.14285714	0
WV0001503	005	2004 to 2005	1.042	1.932	1.29	2.474	0	0	25.6	47.8
WV0001503	006	2003 to 2004								
WV0001503	006	2004 to 2005	0.257272727	0.386363636	0	0	0	0	0	0
WV0001503	010	2003 to 2004								
WV0001503	010	2004 to 2005	0.29625	0.43625	0	0	0	0	0	0
WV0001848	005	2003 to 2004	0.0105	0.013	1.717	1.742	0.3385	0.345	2.15	2.375
WV0001848	005	2004 to 2005	0.013055556	0.015555556	1.162222222	1.205555556	0.257777778	0.262222222	1.138888889	1.666666667
WV0001848	012	2003 to 2004	0.094583333	0.126666667	0.249166667	0.325	0.259375	0.315	7.984375	11.98958333
WV0001848	012	2004 to 2005	0.093333333	0.115	0.133958333	0.175	0.265	0.305833333	5.354166667	8.416666667
WV0001848	013	2003 to 2004	0.42	0.42	0.62	0.62	0.05	0.05	39	39
WV0001848	013	2004 to 2005	0	0	0	0	0	0	0	0
WV0001848	014	2003 to 2004	0.240833333	0.355833333	0.660416667	1.009166667	0.8325	1.045	8.637708333	11.36916667
WV0001848	014	2004 to 2005	0.296041667	0.368333333	0.40375	0.504166667	1.353333333	1.62	7.8125	13.41666667
WV0001848	027	2003 to 2004	0.065208333	0.080416667	0.520416667	0.625833333	0.161875	0.206666667	4.296875	5.645833333
WV0001848	027	2004 to 2005	0.020208333	0.025	0.19125	0.227916667	0.132083333	0.17125	3.3125	3.958333333
WV0001864	002	2003 to 2004	0.155555556	0.241111111	0.257222222	0.354444444	0.121111111	0.172222222	3.694444444	5.736111111
WV0001864	002	2004 to 2005	0.142291667	0.242916667	0.236458333	0.31	0.151041667	0.221666667	5.291666667	9.708333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0001864	007	2003 to 2004	0.142916667	0.1875	0.12125	0.161666667	0.128541667	0.168333333	3.557291667	5.416666667
WV0001864	007	2004 to 2005	0.090208333	0.122083333	0.093125	0.124166667	0.076666667	0.089166667	7.625	13.95833333
WV0001872	001	2003 to 2004	0.0265625	0.0319375	0.424375	0.4975625	0.100625	0.1125625	4.125	4.7656875
WV0001872	001	2004 to 2005	0.052	0.065	0.533	0.773	0.279	0.294	5	8
WV0001872	002	2003 to 2004	0.050909091	0.089545455	0.438181818	0.507272727	0.054090909	0.068181818	10.43181818	19.97727273
WV0001872	002	2004 to 2005	0.054375	0.095416667	0.298333333	0.422916667	0.052916667	0.087916667	2.1875	3.625
WV0001872	004	2003 to 2004	0.48	0.48	0.64	0.64	0.21	0.21	24	24
WV0001872	004	2004 to 2005								
WV0001872	005	2003 to 2004	0.32	0.32	0.1	0.1	0	0	4.75	4.75
WV0001872	005	2004 to 2005								
WV0001872	006	2003 to 2004	0.2	0.2	0.16	0.16	0.01	0.01	0	0
WV0001872	006	2004 to 2005								
WV0001881	001	2003 to 2004	0.135	0.135	0.14	0.244	0.166	0.306	3.3	3.6
WV0001881	001	2004 to 2005								
WV0001881	006	2003 to 2004	0.132857143	0.142857143	0.441428571	0.742857143	0.051428571	0.074285714	6.928571429	10.04714286
WV0001881	006	2004 to 2005	0.22	0.22	0.24	0.24	0.01	0.01	9.67	9.67
WV0002569	001	2003 to 2004			0.275	0.407142857	0.035	0.052857143	10.125	16.71428571
WV0002569	001	2004 to 2005	0.4	0.4	0.44	0.4325	0.085	0.0775	3.5	9.25
WV0002569	002	2003 to 2004			0.125	0.1425	0.03	0.039166667	2.791666667	3.916666667
WV0002569	002	2004 to 2005	0.4	0.4	0.1125	0.139166667	0.02625	0.03	1.833333333	2.333333333
WV0002569	003	2003 to 2004			0.315	0.33	0.0375	0.043333333	1	2.333333333
WV0002569	003	2004 to 2005				0.16		0.02		7
WV0002569	005	2003 to 2004			0.493333333	0.512857143	0.023333333	0.028571429	13	15.57142857
WV0002569	005	2004 to 2005	0.4	0.4	0.1375	0.172	0.0575	0.068	4.125	6.6
WV0002569	008	2003 to 2004			0.16	0.2275	0.02	0.02	4.1	5.636363636
WV0002569	008	2004 to 2005	0.4	0.4	0.180625	0.204444444	0.023125	0.045555556	5.875	6.666666667
WV0002569	010	2003 to 2004			0.255416667	0.294166667	0.057916667	0.040833333	2.166666667	2.833333333
WV0002569	010	2004 to 2005			0.185833333	0.211666667	0.03125	0.0375	2.5	3.666666667
WV0002747	005	2003 to 2004	0.047916667	0.047916667	0.15875	0.15875	0.066666667	0.066666667	5.03125	5.03125
WV0002747	005	2004 to 2005	0.228636364	0.228636364	0.260909091	0.260909091	0.045909091	0.045909091	1.363636364	1.363636364
WV0002976	008	2003 to 2004	0.099090909	0.099090909	0.242727273	0.242727273	0.229090909	0.229090909	3.556818182	3.386409091
WV0002976	008	2004 to 2005	0.045909091	0.045909091	0.180909091	0.180909091	0.191818182	0.191818182	1.5	1.5
WV0002976	014	2003 to 2004	0.077272727	0.077272727	0.084090909	0.084090909	0.021818182	0.021818182	3	3
WV0002976	014	2004 to 2005	0.0325	0.0325	0.059	0.059	0.0125	0.0125	2.3	2.3
WV0002984	006	2003 to 2004								



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0002984	006	2004 to 2005	0.085	0.128888889	0.131388889	0.173333333	0.092222222	0.119444444	3.944444444	6.444444444
WV0002984	010	2003 to 2004	0.49375	0.5625	0.079375	0.11125	0.383125	0.4275	4.09375	4.09375
WV0002984	010	2004 to 2005	0.343571429	0.394285714	0.129642857	0.197857143	0.244285714	0.275714286	4.928571429	7.285714286
WV0002984	011	2003 to 2004	0	0	0.01	0.01	0	0	0	0
WV0002984	011	2004 to 2005	0.14	0.14	0.13	0.13	0.12	0.12	0	0
WV0002984	015	2003 to 2004	0.557727273	0.783636364	0.091590909	0.140909091	0.869090909	1.067272727	4.329545455	5.522727273
WV0002984	015	2004 to 2005	0.326363636	0.415454545	0.075227273	0.117272727	0.450909091	0.5	1.636363636	2.545454545
WV0003018	003	2003 to 2004	0.267	0.274	0.066	0.072	0.106	0.106	2.1	2.1
WV0003018	003	2004 to 2005	0.19625	0.205	0.0575	0.065	0.03	0.035	3	3
WV0003018	005	2003 to 2004	0.20125	0.255833333	0.280416667	0.2025	0.119791667	0.123333333	2.166666667	2.375
WV0003018	005	2004 to 2005	0.199166667	0.244166667	0.174166667	0.21	0.0675	0.08	3.625	4
WV0003051	001	2003 to 2004	0.079791667	0.111666667	0.136666667	0.218333333	0.549166667	0.656666667	1.916666667	1.958333333
WV0003051	001	2004 to 2005	0.086458333	0.121666667	0.074375	0.112916667	0.265	0.3675	4.020833333	6.875
WV0003051	006	2003 to 2004	0.115	0.154545455	0.177727273	0.260454545	0.190909091	0.242272727	3.028409091	3.579545455
WV0003051	006	2004 to 2005	0.099375	0.129583333	0.112083333	0.136666667	0.175833333	0.234583333	3.875	5.958333333
WV0003051	008	2003 to 2004	0.098541667	0.124583333	0.191041667	0.24625	0.929375	1.148333333	3.739583333	5.645833333
WV0003051	008	2004 to 2005	0.0425	0.06125	0.065	0.0875	0.41625	0.5425	2.0625	3.25
WV0003051	011	2003 to 2004	0	0	0.47	0.47	0.17	0.17	12	12
WV0003051	011	2004 to 2005								
WV0003051	012	2003 to 2004	0.029375	0.045416667	0.344375	0.485833333	0.963541667	1.242083333	2.125	2.291666667
WV0003051	012	2004 to 2005	0.024375	0.037083333	0.19625	0.225	0.514583333	0.631666667	1.583333333	2.458333333
WV0003051	017	2003 to 2004	0.093958333	0.115833333	0.454166667	0.566666667	0.511666667	0.589166667	6.9375	7.833333333
WV0003051	017	2004 to 2005	0.075454545	0.102727273	0.602272727	0.732727273	0.524090909	0.645454545	2.977272727	3.909090909
WV0003051	018	2003 to 2004								
WV0003051	018	2004 to 2005	0	0	0	0	0	0	0	0
WV0003051	021	2003 to 2004								
WV0003051	021	2004 to 2005	0.29	0.29	0.01	0.01	0.69	0.69	6	6
WV0003051	022	2003 to 2004	0.13	0.13	0	0	2.74	2.74	1	1
WV0003051	022	2004 to 2005	0.245	0.29025	0.03	0.03525	2.82625	5.91525	5.0625	9.00025
WV0003051	023	2003 to 2004	0.165625	0.265833333	0.495416667	0.590833333	0.130833333	0.16	12.67708333	19
WV0003051	023	2004 to 2005	0.0775	0.120416667	0.2825	0.325833333	0.100208333	0.139583333	4.104166667	6.041666667
WV0004201	002	2003 to 2004	0.323333333	0.448333333	0.35	0.5	0.363333333	0.406666667	13.16666667	21
WV0004201	002	2004 to 2005	0.24	0.3075	0.356666667	0.4525	0.4175	0.5475	10.5	13.91666667
WV0004201	003	2003 to 2004	0.356666667	0.415833333	0.92	1.1375	0.295	0.344166667	7.25	10.58333333
WV0004201	003	2004 to 2005	0.398333333	0.496666667	0.7825	0.958333333	0.5175	0.584166667	5.5	6.833333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0004201	005	2003 to 2004	0.12	0.12	0.26	0.26	0.02	0.02	1	1
WV0004201	005	2004 to 2005	0.095	0.123	0.131	0.17	0.042	0.063	1.9	2.6
WV0004201	009	2003 to 2004	0.238333333	0.3275	0.295833333	0.391666667	0.2825	0.315833333	8.416666667	11.83333333
WV0004201	009	2004 to 2005	0.170833333	0.264166667	0.218333333	0.265833333	0.275833333	0.313333333	5.5	7
WV0004201	017	2003 to 2004	0.174166667	0.265833333	0.395	0.493333333	0.530833333	0.696666667	2.454545455	3.272727273
WV0004201	017	2004 to 2005	0.11	0.155833333	0.448333333	0.5175	0.805833333	1.066666667	3	3.666666667
WV0004201	018	2003 to 2004	0.206363636	0.253636364	0.375833333	0.473333333	0.183333333	0.245833333	6.666666667	8.583333333
WV0004201	018	2004 to 2005	0.1525	0.205833333	0.188333333	0.2275	0.078333333	0.096666667	2.416666667	3.25
WV0004201	019	2003 to 2004	0.352	0.38	0.654	0.778	0.184	0.206	11.4	12.6
WV0004201	019	2004 to 2005								
WV0004201	020	2003 to 2004	0.643333333	0.973333333	0.763333333	1.093333333	0.056666667	0.066666667	8.666666667	11
WV0004201	020	2004 to 2005	0.306	0.2558	0.264	0.272	0.192	0.192	5.4	6.6
WV0004278	003	2003 to 2004	0.130833333	0.159166667	0.551666667	0.745833333	0.464166667	0.534166667	3.5	5.416666667
WV0004278	003	2004 to 2005	0.15	0.230909091	0.433636364	0.473636364	0.367272727	0.448181818	5.772727273	8.272727273
WV0004278	015	2003 to 2004	0.362	0.415	0.443	0.482	0.078	0.09	12.25	17.2
WV0004278	015	2004 to 2005	0.308181818	0.372727273	0.445454545	0.521818182	0.076363636	0.091818182	12	15.18181818
WV0004278	BGCD	2003 to 2004	0.186666667	0.243333333	0.345	0.446666667	0.033333333	0.041666667		
WV0004278	BGCD	2004 to 2005	0.16375	0.22625	0.1625	0.2025	0.03	0.03875		
WV0004278	BGCU	2003 to 2004	0.214285714	0.3	0.294285714	0.351428571	0.037142857	0.027142857		
WV0004278	BGCU	2004 to 2005	0.167142857	0.228571429	0.185714286	0.218571429	0.034285714	0.048571429		
WV0004421	002	2003 to 2004			1.038333333	1.415	0.136666667	0.153333333	11.58333333	18.16666667
WV0004421	002	2004 to 2005			0.814285714	1.167142857	0.415714286	0.552857143	8.357142857	10.42857143
WV0004421	003	2003 to 2004			0.224	0.302	0.101	0.176	2.5	3.2
WV0004421	003	2004 to 2005			0.51	0.7225	0.255	0.385	9.6875	11
WV0004537	002	2003 to 2004	0.128621429	0.175671429	0.1205	0.146	0.122714286	0.194857143	4.071428571	4.571428571
WV0004537	002	2004 to 2005	0.32545	0.3694	0.29265	0.4459	0.31875	0.4732	8.68545	11.8783
WV0004537	003	2003 to 2004	0.077772222	0.112766667	0.209488889	0.253555556	0.430016667	0.515	4.722222222	5.333333333
WV0004537	003	2004 to 2005	0.1695	0.185	0.247625	0.325625	0.537375	0.6445	5.455375	6.8839375
WV0004553	002	2003 to 2004	0.101454167	0.142416667	0.854266667	1.084941667	0.884820833	1.084416667	10.125	13.58333333
WV0004553	002	2004 to 2005	0.189125	0.210166667	0.911916667	1.250583333	1.262916667	1.478416667	10.375	13.25
WV0005541	001	2003 to 2004	0.125	0.1425	0.3375	0.3725	0.065	0.0775	3.25	5
WV0005541	001	2004 to 2005								
WV0005541	004	2003 to 2004	0.954545455	1.412727273	1.518181818	1.961818182	0.477272727	0.580909091	11.22727273	18.45454545
WV0005541	004	2004 to 2005	0.17	0.17	0.58	0.58	0.64	0.64	1	1
WV0005541	006	2003 to 2004	0.355454545	0.488181818	0.92	1.190909091	0.364545455	0.399090909	5.545454545	7.181818182

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0005541	006	2004 to 2005	0.328333333	0.475833333	1.096666667	1.77	0.675833333	0.804166667	4.333333333	5.333333333
WV0005606	001	2003 to 2004	0.15	0.18	0.26	0.26	0.03	0.03	1	1
WV0005606	001	2004 to 2005								
WV0005606	002	2003 to 2004	0.541666667	0.7275	0.521666667	0.726666667	0.1275	0.151666667	4.708333333	7
WV0005606	002	2004 to 2005	0.363333333	0.43	0.491666667	0.575	0.69	0.774166667	5.708333333	7.916666667
WV0005690	002	2003 to 2004	0.40375	0.50125	0.15875	0.2075	0.06875	0.0875	8.375	10.5
WV0005690	002	2004 to 2005	0.375454545	0.558181818	0.153636364	0.212727273	0.036363636	0.050909091	11	13.81818182
WV0005690	003	2003 to 2004	0.303333333	0.403333333	0.150833333	0.2125	0.074166667	0.111666667	4.166666667	4.333333333
WV0005690	003	2004 to 2005	0.415	0.575	0.381666667	0.5575	0.076666667	0.095833333	14.83333333	22
WV0005690	004	2003 to 2004	0.270833333	0.359166667	0.1225	0.155833333	0.058333333	0.071666667	4.166666667	4.166666667
WV0005690	004	2004 to 2005								
WV0005690	039	2003 to 2004	0.303333333	0.38	1.17	1.176666667	0.073333333	0.083333333	11	12
WV0005690	039	2004 to 2005								
WV0005801	002	2003 to 2004	0.781666667	0.898333333	0.744166667	0.93	0.398333333	0.460833333	8.083333333	10.58333333
WV0005801	002	2004 to 2005	1.000833333	1.204166667	0.535	0.689166667	0.573333333	0.676666667	9.916666667	15.08333333
WV0005801	004	2003 to 2004	0.282727273	0.33	1.052727273	1.195454545	0.212727273	0.282727273	3.636363636	4.727272727
WV0005801	004	2004 to 2005	0.244285714	0.29	0.34	0.352857143	0.154285714	0.16	3.285714286	4.428571429
WV0005801	005	2003 to 2004	0.210909091	0.232727273	0.235454545	0.291818182	0.118181818	0.139090909	2.277777778	3.111111111
WV0005801	005	2004 to 2005	0.194	0.224	0.614	0.679	0.245	0.272	5.15	6.7
WV0005801	007	2003 to 2004	0.15	0.155	0.155	0.17	0.48	0.48	3.5	3.5
WV0005801	007	2004 to 2005	0.26	0.26	0.175	0.175	0.035	0.035	5	5
WV0005801	014	2003 to 2004	0.199166667	0.249166667	0.4275	0.584166667	0.334166667	0.433333333	6.083333333	9.75
WV0005801	014	2004 to 2005	0.188333333	0.243333333	0.346666667	0.415833333	0.3675	0.433333333	5	6.833333333
WV0005801	GWM-1	2003 to 2004			0.9575	0.9575	0.23	0.23		
WV0005801	GWM-1	2004 to 2005	0.086666667	0.086666667	1.5225	1.5225	0.65	0.65		
WV0005801	GWM-2	2003 to 2004			1.72	1.72	0.3175	0.3175		
WV0005801	GWM-2	2004 to 2005	0.046666667	0.046666667	2.0825	2.0825	0.3025	0.3025		
WV0020834	002	2003 to 2004	0.286666667	0.326666667	0.8175	1.005833333	0.134166667	0.17	5.666666667	7.333333333
WV0020834	002	2004 to 2005	0.308333333	0.4275	0.675	0.981666667	0.083333333	0.106666667	5.416666667	7.75
WV0020834	005	2003 to 2004	0.19	0.221666667	0.255833333	0.36	0.15	0.185833333	6.909090909	8.545454545
WV0020834	005	2004 to 2005	0.200833333	0.280833333	0.115833333	0.14	0.23	0.263333333	6.25	8.5
WV0020834	010	2003 to 2004	0.2975	0.3375	0.4075	0.5075	0.3475	0.3925	4.5	6.25
WV0020834	010	2004 to 2005								
WV0020834	011	2003 to 2004	0.161666667	0.200833333	0.359166667	0.454166667	0.123333333	0.1375	3.583333333	4.833333333
WV0020834	011	2004 to 2005	0.13	0.181666667	0.145833333	0.160833333	0.181666667	0.2225	4.416666667	5.916666667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0020834	016	2003 to 2004	0.134166667	0.163333333	0.291666667	0.384166667	0.101666667	0.115833333	3.75	4.583333333
WV0020834	016	2004 to 2005	0.117142857	0.154285714	0.101428571	0.112857143	0.068571429	0.072857143	2.285714286	2.571428571
WV0020834	017	2003 to 2004	0.141666667	0.175833333	0.3	0.408333333	0.174166667	0.209166667	2.833333333	4.166666667
WV0020834	017	2004 to 2005	0.108333333	0.159166667	0.42	0.483333333	0.425	0.525	3.583333333	4.166666667
WV0020834	020	2003 to 2004	0.27	0.27	0.36	0.36	0.02	0.02	2	2
WV0020834	020	2004 to 2005	0.2	0.2	0.24	0.24	0.05	0.05	1	1
WV0020834	021	2003 to 2004								
WV0020834	021	2004 to 2005	0.165	0.165	0.155	0.155	0.13	0.13	7	7
WV0020834	022	2003 to 2004	0.15	0.178571429	0.351428571	0.362857143	0.061428571	0.077142857	2.571428571	3
WV0020834	022	2004 to 2005	0.156666667	0.188333333	0.161666667	0.168333333	0.073333333	0.076666667	2.166666667	2.166666667
WV0020834	023	2003 to 2004	1.78	1.78	1.69	1.69	0.12	0.12	2	2
WV0020834	023	2004 to 2005	0.453333333	0.453333333	0.091666667	0.091666667	0.483333333	0.483333333	2.5	2.5
WV0020834	026	2003 to 2004	0.277	0.305	0.297	0.364	0.101	0.113	5.444444444	7
WV0020834	026	2004 to 2005	0.282	0.322	0.326	0.346	0.12	0.21	14	17.2
WV0020834	027	2003 to 2004	0.2	0.2	0.09	0.09	0.3	0.3	1	1
WV0020834	027	2004 to 2005	0.085	0.085	0.15	0.15	0.08	0.08	2.5	2.5
WV0020834	028	2003 to 2004	0.388	0.538	0.542	0.646	0.116	0.184	11.4	16
WV0020834	028	2004 to 2005	0.399166667	0.575833333	0.485	0.72	0.146666667	0.2275	6.5	8.75
WV0021687	001	2003 to 2004	0.178333333	0.216666667	0.08325	0.099166667	0.055416667	0.059166667	3	3
WV0021687	001	2004 to 2005	0.161666667	0.1925	0.104166667	0.110833333	0.0425	0.05	3	3
WV0021687	002	2003 to 2004	0.185	0.2175	0.0425	0.048333333			3	3
WV0021687	002	2004 to 2005	0.195	0.256666667	0.045833333	0.056666667	0.01	0.01	3	3
WV0021687	DSDF01	2003 to 2004	0.173333333	0.206666667	0.143333333	0.163333333				
WV0021687	DSDF01	2004 to 2005	0.195833333	0.234166667	0.124166667	0.143333333	0.026	0.028		
WV0021687	DSRFBF	2003 to 2004	0.213333333	0.24	0.093333333	0.103333333	0.05	0.05	3	3
WV0021687	DSRFBF	2004 to 2005	0.229166667	0.274166667	0.138333333	0.1575	0.03375	0.035	3	3
WV0021687	USDF01	2003 to 2004	0.17	0.203333333	0.136666667	0.143333333				
WV0021687	USDF01	2004 to 2005	0.19	0.228333333	0.126666667	0.135833333	0.042	0.048		
WV0021687	USRFBF	2003 to 2004	0.186666667	0.203333333	0.063333333	0.08				
WV0021687	USRFBF	2004 to 2005	0.209166667	0.2575	0.166666667	0.190833333	0.024	0.026		
WV0023329	002	2003 to 2004								
WV0023329	002	2004 to 2005			0.286666667	0.29	0.13	0.13	3	3.25
WV0024619	003	2003 to 2004	0.4	0.4	0.251363636	0.308181818	0.049545455	0.055454545	6.090909091	10.09090909
WV0024619	003	2004 to 2005	0.4	0.4	0.095	0.12	0.039444444	0.048	4.055555556	5
WV0024627	007	2003 to 2004	0.4	0.4	0.11	0.19	0.12	0.144285714	8.333333333	6.857142857

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0024627	007	2004 to 2005		0.4		0.23		0.072		7
WV0024627	008	2003 to 2004	0.4	0.4	0.18	0.168571429	0.11	0.195714286	4	10.47285714
WV0024627	008	2004 to 2005		0.4		0.26		0.098		4.4
WV0024627	009	2003 to 2004		0.4		0.229166667		0.134166667		4.666666667
WV0024627	009	2004 to 2005		0.4		0.244		0.118		7.2
WV0024627	018	2003 to 2004	0.4	0.4	0.07	0.249166667	0.1	0.14	6	5.833333333
WV0024627	018	2004 to 2005	0.4	0.4	0.32	0.26	0.14	0.095	6	9.875
WV0024937	001	2003 to 2004								
WV0024937	001	2004 to 2005	0.3095	0.373	0.373	0.564	0.20425	0.254	7.125	11.85
WV0025607	002	2003 to 2004	0.19125	0.248333333	0.207083333	0.246666667	0.704791667	0.9775	7.796875	10.85416667
WV0025607	002	2004 to 2005	0.117708333	0.17	0.122916667	0.174166667	0.32125	0.4375	1.375	1.916666667
WV0025607	004	2003 to 2004	0.870833333	1.255833333	0.287916667	0.359166667	1.208333333	1.503333333	3.520833333	5.166666667
WV0025607	004	2004 to 2005	0.697916667	0.975833333	0.26625	0.344166667	0.987291667	1.199166667	2.8125	4
WV0025607	005	2003 to 2004	0.235	0.265555556	0.081388889	0.09	0.623333333	0.694444444	4.340277778	6.291666667
WV0025607	005	2004 to 2005	0.083214286	0.115714286	0.054642857	0.07	0.183571429	0.227857143	2.571428571	3.785714286
WV0025607	006	2003 to 2004	0.17	0.18	0.091666667	0.136666667	0.808333333	0.986666667	1.958333333	1.958333333
WV0025607	006	2004 to 2005	0.111666667	0.12	0.068333333	0.101666667	0.188333333	0.24	1	1.5
WV0025607	007	2003 to 2004	0.228	0.254	0.125	0.186	0.404	0.498	0	0
WV0025607	007	2004 to 2005	0.235	0.24	0.1725	0.175	0.0775	0.1075	4.625	5
WV0025607	015	2003 to 2004	0.030833333	0.0425	0.0525	0.086666667	0.016875	0.022916667	2.458333333	3.302083333
WV0025607	015	2004 to 2005	0.02	0.028636364	0.024318182	0.038636364	0.006363636	0.008181818	0.75	0.954545455
WV0025607	017	2003 to 2004	0.040208333	0.0525	0.079791667	0.1175	0.023333333	0.030416667	2.625	3.84375
WV0025607	017	2004 to 2005	0.025	0.035833333	0.046666667	0.067083333	0.006875	0.00875	1.229166667	1.75
WV0025607	026	2003 to 2004	0.060416667	0.099166667	0.153125	0.19	0.048333333	0.059166667	2.854166667	4.09375
WV0025607	026	2004 to 2005	0.030416667	0.041666667	0.061458333	0.076666667	0.02625	0.03375	1.125	1.75
WV0025607	032	2003 to 2004	0.083636364	0.118181818	0.113181818	0.137272727	0.028636364	0.037727273	1.920454545	2.261409091
WV0025607	032	2004 to 2005	0.025	0.03	0.0878125	0.09875	0.0121875	0.01375	2	2.4375
WV0025615	001	2003 to 2004								
WV0025615	001	2004 to 2005	0.1825	0.235	0.1375	0.1725	0.105	0.145	3.6875	5.625
WV0025615	002	2003 to 2004								
WV0025615	002	2004 to 2005	0.425	0.425	0.135	0.135	0.02	0.02	17	17
WV0025615	003	2003 to 2004								
WV0025615	003	2004 to 2005	0.96	0.96	0.17	0.17	0.08	0.08	6	6
WV0025615	005	2003 to 2004	0.076666667	0.076666667	0.213333333	0.216666667	0.068333333	0.07	6.833333333	7.333333333
WV0025615	005	2004 to 2005	0.22	0.22	0.1	0.1	0.04	0.04	24	24

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0025615	008	2003 to 2004	0.208571429	0.242857143	0.282857143	0.302857143	0.029285714	0.037142857	14.42857143	20.57142857
WV0025615	008	2004 to 2005	0.15	0.24	0.25	0.27	0.04	0.05	17	19
WV0027031	002	2003 to 2004	0.340909091	0.418181818	1.155	1.328181818	0.480454545	0.555454545	11.84090909	15.86363636
WV0027031	002	2004 to 2005								
WV0027031	004	2003 to 2004	0.3325	0.3325	0.935	0.935	0.05	0.05	26.875	26.875
WV0027031	004	2004 to 2005								
WV0027031	005	2003 to 2004	0.173636364	0.210909091	0.924545455	1.332727273	0.150454545	0.18	9.275	12.15
WV0027031	005	2004 to 2005								
WV0027031	006	2003 to 2004	0.123571429	0.135714286	1.070714286	1.228571429	0.297857143	0.381428571	13.57142857	16
WV0027031	006	2004 to 2005								
WV0027871	003	2003 to 2004	0.695625	0.71875	0.780625	0.83625	0.099375	0.13125	27.03125	30.125
WV0027871	003	2004 to 2005	0.207777778	0.223333333	0.392222222	0.432222222	0.073333333	0.077777778	13.80555556	14.88888889
WV0027871	004	2003 to 2004	0.456666667	0.63	0.524166667	0.691666667	0.44	0.791666667	13.41666667	13.33333333
WV0027871	004	2004 to 2005	0.06	0.06	0.11	0.115	0.07	0.07	2.375	3.25
WV0027871	005	2003 to 2004	0.273333333	0.3925	0.348333333	0.454166667	0.23	0.281666667	12.5625	18.625
WV0027871	005	2004 to 2005	0.160833333	0.213333333	0.176666667	0.219166667	0.090833333	0.111666667	12.47916667	17.33333333
WV0027871	006	2003 to 2004	0.235416667	0.315	0.74625	1.018333333	1.002916667	1.369166667	13.4375	18.75
WV0027871	006	2004 to 2005	0.231666667	0.3	0.37	0.465	0.488333333	0.665	11.70833333	15.25
WV0027871	008	2003 to 2004	0.08	0.08	0.1	0.1	0.05	0.05	6	6
WV0027871	008	2004 to 2005	0.055	0.055	0.17	0.17	0.115	0.125	2.875	3.5
WV0028452	001	2003 to 2004	0.083125	0.1075	0.21	0.2675	0.377291667	0.475833333	3.65625	6.302083333
WV0028452	001	2004 to 2005	0.047708333	0.070041667	0.167708333	0.234166667	0.1725	0.211666667	3.583333333	5.791666667
WV0028452	002	2003 to 2004	0.063958333	0.10625	0.187291667	0.274166667	0.123958333	0.1625	6.192708333	11.20833333
WV0028452	002	2004 to 2005	0.079791667	0.126666667	0.188541667	0.24	0.075833333	0.096666667	4.083333333	5.916666667
WV0028452	003	2003 to 2004	0.425	0.534166667	0.388333333	0.636666667	0.2225	0.245833333	18.578125	32.36458333
WV0028452	003	2004 to 2005	0.309166667	0.363333333	0.224583333	0.265	0.160416667	0.179166667	10.27083333	13.58333333
WV0028452	004	2003 to 2004	0.128958333	0.208333333	0.33875	0.489166667	0.162083333	0.2075	6.895833333	12.22916667
WV0028452	004	2004 to 2005	0.073333333	0.104166667	0.151458333	0.2025	0.159791667	0.203333333	3.708333333	6.208333333
WV0028452	006	2003 to 2004	0.063125	0.1125	0.328125	0.4475	0.122916667	0.175833333	4.526041667	6.46875
WV0028452	006	2004 to 2005	0.1525	0.175	0.224166667	0.299166667	0.121666667	0.141666667	7.020833333	11.66666667
WV0028452	010	2003 to 2004								
WV0028452	010	2004 to 2005	0.101666667	0.146666667	0.218333333	0.356666667	0.078333333	0.1	3.75	7.166666667
WV0028452	013	2003 to 2004								
WV0028452	013	2004 to 2005	0.19	0.19	0.17	0.17	0.38	0.38	1	1
WV0028452	017	2003 to 2004	0.032083333	0.047083333	1.312083333	1.494166667	0.617916667	0.6675	2.333333333	3.65625

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0028452	017	2004 to 2005	0.024772727	0.033181818	1.093636364	1.182727273	0.478636364	0.525454545	1.75	2.318181818
WV0029726	001	2003 to 2004	0.221111111	0.294444444	0	0	1.507222222	1.745	0	0
WV0029726	001	2004 to 2005	0.405	0.635	0	0	0.450833333	0.790833333	0	0
WV0031607	004	2003 to 2004								
WV0031607	004	2004 to 2005	0.01	0.01	0.01	0.01	0.01	0.01	1	1
WV0031607	006	2003 to 2004								
WV0031607	006	2004 to 2005	0.155833333	0.21	0.14	0.53625	0.086	0.158	2.041666667	2.8125
WV0032115	006	2003 to 2004	0.677083333	0.898333333	0.23875	0.300833333	0.82	1.2	6.875	8.75
WV0032115	006	2004 to 2005	0.815	1.0275	0.192916667	0.264166667	0.994166667	1.265833333	6.583333333	9.083333333
WV0032115	007	2003 to 2004	0.260416667	0.319166667	0.34375	0.3875	0.2225	0.248333333	2.291666667	3
WV0032115	007	2004 to 2005	0.460833333	0.555	0.285833333	0.329166667	0.129166667	0.153333333	3.083333333	3.958333333
WV0032115	013	2003 to 2004	0.860416667	1.023333333	0.60375	0.699166667	1.4925	1.8425	5.375	7.041666667
WV0032115	013	2004 to 2005	1.22875	1.411666667	0.519583333	0.645	1.13875	1.505	6.25	8.125
WV0033073	010	2003 to 2004			0.631666667	0.89	0.358333333	0.491666667	3.416666667	4.5
WV0033073	010	2004 to 2005								
WV0033073	011	2003 to 2004			0.433333333	0.578888889	0.016666667	0.019444444	3.305555556	4.888888889
WV0033073	011	2004 to 2005			0.341666667	0.465	0.0275	0.036666667	3.416666667	5.833333333
WV0033073	012	2003 to 2004			0.379090909	0.502727273	0.071818182	0.08	3.522727273	5.363636364
WV0033073	012	2004 to 2005			0.35	0.50375	0.0725	0.0775	4.34375	6.375
WV0033073	019	2003 to 2004			1.109166667	1.266666667	0.406666667	0.574166667	5.166666667	6.666666667
WV0033073	019	2004 to 2005			0.675454545	0.844545455	0.542727273	0.882727273	5.954545455	8.272727273
WV0036579	001	2003 to 2004	0.954166667	1.133333333	0.097083333	0.124166667	0.1525	0.1825	4.625	6.333333333
WV0036579	001	2004 to 2005	1.116666667	1.466666667	0.098333333	0.134166667	0.226666667	0.266666667	4.25	6.25
WV0036587	001	2003 to 2004	0.480909091	0.623636364	0.210909091	0.323636364	0.103636364	0.15	4.909090909	5.818181818
WV0036587	001	2004 to 2005	0.280833333	0.429166667	0.238333333	0.3675	0.095833333	0.128333333	9.583333333	14.16666667
WV0038113	001	2003 to 2004	0.357916667	0.431666667	0.196458333	0.2825	0.859166667	1.018333333	4.541666667	6.875
WV0038113	001	2004 to 2005	0.0925	0.126363636	0.329545455	0.469090909	0.287727273	0.32	2.159090909	3.045454545
WV0038113	002	2003 to 2004	0.152916667	0.205	0.094791667	0.16125	1.902916667	2.354166667	3.375	4.71875
WV0038113	002	2004 to 2005	0.118958333	0.154583333	0.120625	0.130833333	0.991666667	1.204166667	3.270833333	5.791666667
WV0038113	005	2003 to 2004								
WV0038113	005	2004 to 2005	0.19	0.19	0.37	0.37	0.04	0.04	38	38
WV0038113	006	2003 to 2004	0.271111111	0.32	0.130555556	0.158888889	0.616111111	0.717777778	1.819444444	2.25
WV0038113	006	2004 to 2005	0.14	0.14	0.045	0.045	0.525	0.525	0	0
WV0038121	001	2003 to 2004	0.069444444	0.103388889	0.068125	0.075	0.027708333	0.045	3.515625	5.739583333
WV0038121	001	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0038253	004	2003 to 2004	0.13	0.13	0.17	0.17	0.22	0.22	3	3
WV0038253	004	2004 to 2005								
WV0038253	006	2003 to 2004			0.39	0.39	0.63	0.63	3	3
WV0038253	006	2004 to 2005								
WV0038253	007	2003 to 2004	0.576666667	0.745555556	0.606666667	0.845833333	0.5975	0.685	6.585	8.696666667
WV0038253	007	2004 to 2005	0.579090909	0.874545455	0.183636364	0.26	0.472727273	0.582727273	5.578181818	6.789090909
WV0038253	010	2003 to 2004	0.116666667	0.14	0.095454545	0.106363636	0.03	0.030909091	3.348181818	3.697272727
WV0038253	010	2004 to 2005	0.033636364	0.036363636	0.072727273	0.075454545	0.013636364	0.016363636	3.257272727	3.515454545
WV0038253	016	2003 to 2004	0.148571429	0.211428571	0.33	0.403333333	0.183333333	0.237777778	4.851111111	5.926666667
WV0038253	016	2004 to 2005	0.335454545	0.627272727	0.498181818	0.911818182	0.089090909	0.120909091	3.196363636	3.394545455
WV0038253	033	2003 to 2004	0.099	0.125	0.11	0.136	0.03	0.037	3.817	4.633
WV0038253	033	2004 to 2005	0.085	0.101	0.093	0.113	0.015	0.018	4.617	5.933
WV0038288	002	2003 to 2004	0.223333333	0.243333333	0.356666667	0.4	0.516666667	0.65	2	2.333333333
WV0038288	002	2004 to 2005	0.525	0.5525	1.2475	1.37	0.64	0.6775	21.25	22
WV0038288	004	2003 to 2004	0.15	0.181666667	0.44	0.523333333	0.415	0.4575	3.166666667	4.5
WV0038288	004	2004 to 2005	0.111666667	0.168333333	0.41	0.5525	0.323333333	0.3675	8.583333333	11.91666667
WV0038288	005	2003 to 2004	0.1925	0.230833333	0.4	0.488333333	0.3075	0.323333333	4.75	6.25
WV0038288	005	2004 to 2005	0.141666667	0.164166667	0.485833333	0.700833333	0.3675	0.383333333	9.833333333	12
WV0038288	007	2003 to 2004	0.08	0.08	0.276666667	0.316666667	0.216666667	0.223333333	3	4.666666667
WV0038288	007	2004 to 2005	0.213333333	0.371666667	0.293333333	0.38	0.129166667	0.141666667	4.666666667	6.833333333
WV0038288	015	2003 to 2004	0.72	0.98	0.91	0.93	1.37	1.77	7	11
WV0038288	015	2004 to 2005								
WV0038288	201	2003 to 2004				392.3333333		5.28		
WV0038288	201	2004 to 2005				837		11.8		
WV0038288	203	2003 to 2004				18577		14.185		
WV0038288	203	2004 to 2005								
WV0038288	SUMP	2003 to 2004				175.0333333		5.53		
WV0038288	SUMP	2004 to 2005				321		5.82		
WV0038288	PUMP	2003 to 2004				102.2333333		2.64		
WV0038288	PUMP	2004 to 2005				133.5111111		3.653333333		
WV0038288	HOLLOW CP	2003 to 2004				333		5.32		
WV0038288	HOLLOW CP	2004 to 2005				181.0333333		3.926666667		
WV0038288	SYPHON	2003 to 2004		0.1		114		1.33		
WV0038288	SYPHON	2004 to 2005		0.13		50.2		0.86		
WV0038539	023	2003 to 2004	0.6	0.754166667	0.2675	0.4225	2.405	3.059166667	7.5	9.583333333



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0038539	023	2004 to 2005	1.056666667	1.4825	0.8875	0.263333333	2.29625	3.48	7.25	10
WV0038768	004	2003 to 2004								
WV0038768	004	2004 to 2005			1.0025	1.111428571	0.097142857	0.107142857	2.785714286	3.642857143
WV0039471	001	2003 to 2004	0.1795	0.289916667	0.533416667	0.672333333	0.106416667	0.166333333	5.166666667	7.5
WV0039471	001	2004 to 2005	0.202958333	0.26375	0.753375	0.966166667	0.087666667	0.107583333	9.047625	12.25
WV0039471	002	2003 to 2004	0.222791667	0.380833333	0.159458333	0.222583333	0.147208333	0.235	6.75	10.25
WV0039471	002	2004 to 2005	0.332458333	0.439333333	0.207416667	0.32025	0.043583333	0.05525	12.17858333	19.58333333
WV0039471	003	2003 to 2004	0.14875	0.228166667	0.152291667	0.206666667	0.078416667	0.09975	4.666666667	6.5
WV0039471	003	2004 to 2005	0.196666667	0.248833333	0.191958333	0.249666667	0.101833333	0.147166667	8.833375	11.72025
WV0039471	005	2003 to 2004	0.138041667	0.20675	1.202375	1.478	0.996791667	1.056833333	4.916666667	7.75
WV0039471	005	2004 to 2005	0.135791667	0.170416667	1.290458333	1.535833333	1.209416667	1.35175	4.434583333	4.273833333
WV0039471	006	2003 to 2004	0.138041667	0.209666667	0.507916667	0.730583333	0.069375	0.105666667	6.666666667	9.75
WV0039471	006	2004 to 2005	0.1565	0.191833333	0.470125	0.646916667	0.156041667	0.221	9.017916667	11.35716667
WV0039471	010	2003 to 2004	0.149166667	0.231833333	0.192083333	0.233333333	0.079375	0.10125	2.458333333	3.416666667
WV0039471	010	2004 to 2005	0.132541667	0.154083333	0.281166667	0.359083333	0.122583333	0.15475	5.220291667	5.148833333
WV0039471	011	2003 to 2004								
WV0039471	011	2004 to 2005	0.202	0.202	0.291	0.291	0.099	0.099	8	8
WV0039535	001	2003 to 2004								
WV0039535	001	2004 to 2005	0.249444444	0.301111111	0.333333333	0.486666667	0.162222222	0.273333333	4.166666667	5.333333333
WV0039535	007	2003 to 2004								
WV0039535	007	2004 to 2005	0.245625	0.27375	0.27	0.365	0.16625	0.29	4.53125	5.5
WV0039535	011	2003 to 2004								
WV0039535	011	2004 to 2005	0.21125	0.261	0.3375	0.49	0.111	0.159	4.825	7.35
WV0040711	001	2003 to 2004	0.236666667	0.3125	0.5525	0.685833333	0.275833333	0.340833333	10.08333333	14.83333333
WV0040711	001	2004 to 2005	0.16	0.200833333	0.71	0.923333333	0.34	0.4175	10.41666667	14.91666667
WV0040711	006	2003 to 2004	0.426666667	0.433333333	0.633333333	0.646666667	0.07	0.076666667	11.33333333	12
WV0040711	006	2004 to 2005	0.6	0.6	1.4	1.4	0.04	0.04	20	20
WV0040711	007	2003 to 2004	0.18	0.244166667	0.224166667	0.299166667	0.085	0.113333333	9.916666667	11.25
WV0040711	007	2004 to 2005	0.280833333	0.496666667	0.149166667	0.2025	0.06	0.083333333	16.41666667	21.25
WV0040711	008	2003 to 2004	0.181818182	0.208181818	0.375454545	0.516363636	0.433636364	0.582727273	6	8.818181818
WV0040711	008	2004 to 2005	0.16	0.2175	0.2275	0.3325	0.338333333	0.455	5.5	8
WV0040711	010	2003 to 2004	0.152857143	0.17	0.365714286	0.38	0.045714286	0.045714286	6.142857143	7
WV0040711	010	2004 to 2005	0.105833333	0.12	0.296666667	0.335833333	0.085	0.094166667	6.916666667	8.083333333
WV0040711	015	2003 to 2004	0.196666667	0.256666667	0.898333333	1.175833333	0.365833333	0.423333333	5.3	6.6
WV0040711	015	2004 to 2005	0.196666667	0.304166667	0.479166667	0.6225	0.365833333	0.434166667	10.16666667	15.58333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0040711	016	2003 to 2004	0.145	0.191666667	0.3625	0.466666667	0.148333333	0.186666667	14.16666667	17.41666667
WV0040711	016	2004 to 2005	0.090833333	0.12	0.281666667	0.353333333	0.036666667	0.05	15.25	20.75
WV0040711	018	2003 to 2004	0.6275	0.6275	0.8075	0.8075	0.09	0.09	6.75	6.75
WV0040711	018	2004 to 2005	0.84	0.908888889	0.92	0.973333333	0.08	0.081111111	12.11111111	14.33333333
WV0040711	022	2003 to 2004	0.67	0.67	0.86	0.86	0.065	0.065	15	15
WV0040711	022	2004 to 2005	2.01125	2.44125	1.69	2.0275	0.1	0.10375	24.875	31.625
WV0040711	023	2003 to 2004	0.238333333	0.336666667	0.456666667	0.63	0.260833333	0.326666667	8.083333333	10.91666667
WV0040711	023	2004 to 2005	0.230833333	0.348333333	0.400833333	0.528333333	0.443333333	0.618333333	6	8.333333333
WV0041122	010	2003 to 2004	0.276666667	0.311666667	0.335	0.446	0.832	1.084	8.647	12.63
WV0041122	010	2004 to 2005	0.29	0.3525	0.229166667	0.3	1.03	1.193333333	9.125833333	12.31
WV0041122	013	2003 to 2004	0.39125	0.48625	0.915	1.084166667	1.113333333	1.430833333	7.431666667	9.5
WV0041122	013	2004 to 2005	0.26	0.355833333	0.785	1.116666667	0.835555556	0.975555556	10.80583333	16.16833333
WV0041122	025	2003 to 2004	0.389166667	0.525	0.420833333	0.5825	0.125833333	0.1475	12.05416667	17.22166667
WV0041122	025	2004 to 2005	0.241666667	0.284166667	0.378333333	0.444166667	0.044166667	0.055833333	17.04333333	20.1675
WV0041122	026	2003 to 2004								
WV0041122	026	2004 to 2005	0.03	0.03	0.22	0.22	0.12	0.12	3	3
WV0041149	006	2003 to 2004			0.633125	0.872222222			6.611111111	8.5
WV0041149	006	2004 to 2005	0.1684	0.1954	0.7725	1.1275	1.133	1.386	6.333333333	9.75
WV0041734	002	2003 to 2004	0.4	0.4	0.581818182	0.841818182	0.113636364	0.156363636	14.04545455	19.81818182
WV0041734	002	2004 to 2005	0.41	0.418181818	0.2925	0.373636364	0.2005	0.252727273	10	12.72727273
WV0041734	003	2003 to 2004	0.4	0.4	0.23875	0.314285714	0.02	0.021428571	11.375	16.28571429
WV0041734	003	2004 to 2005	0.4	0.4	0.3	0.343333333	0.036666667	0.04	18.5	23
WV0041734	004	2003 to 2004	0.278181818	0.416666667	0.368181818	0.4475	0.024090909	0.026666667	5.454545455	7.083333333
WV0041734	004	2004 to 2005	0.421428571	0.444444444	0.407857143	0.475555556	0.037857143	0.05	9.428571429	11.55555556
WV0041734	006	2003 to 2004	0.414285714	0.455555556	0.500714286	0.584444444	0.035	0.053333333	18.78571429	26.77777778
WV0041734	006	2004 to 2005	0.52	0.4875	0.57	0.54125	0.072	0.06625	21.5	23.75
WV0041734	007	2003 to 2004	0.55	0.6	0.155	0.163333333	0.0325	0.04	15.25	17.66666667
WV0041734	007	2004 to 2005		0.4		0.135		0.045		5
WV0041734	009	2003 to 2004		0.4		0.11		0.07		7
WV0041734	009	2004 to 2005								
WV0041734	011	2003 to 2004	0.54375	0.62	0.47	0.74	0.070625	0.078	14.25	23.7
WV0041734	011	2004 to 2005	0.483333333	0.522222222	0.202222222	0.267777778	0.059444444	0.067777778	13.33333333	17.77777778
WV0041785	001	2003 to 2004	0.158181818	0.218181818	0.200909091	0.253636364	0.06	0.091818182	4.136363636	4.878181818
WV0041785	001	2004 to 2005	0.051666667	0.070833333	0.103333333	0.12	0.04	0.054166667	3.666666667	4.333333333
WV0042544	001	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0042544	001	2004 to 2005	0.085	0.085	0.07	0.07	0.41	0.41	2.25	2.25
WV0042544	002	2003 to 2004								
WV0042544	002	2004 to 2005	0.6275	0.79125	0.9225	1.04625	0.155	0.1775	31.875	41.9375
WV0042544	003	2003 to 2004								
WV0042544	003	2004 to 2005	0.526875	0.62125	0.736875	0.8725	0.13875	0.16125	25.9375	39.5625
WV0042544	004	2003 to 2004								
WV0042544	004	2004 to 2005	0.317777778	0.428888889	2.323888889	3.833333333	1.467222222	2.111111111	8.111111111	11.94444444
WV0042544	007	2003 to 2004								
WV0042544	007	2004 to 2005	0.52	0.52	0.36	0.36	0.17	0.17	4	4
WV0042846	008	2003 to 2004	0.166805558	0.255416667	0.57097225	0.735833333	0.848888917	1.154166667	6.147569167	8.541666667
WV0042846	008	2004 to 2005	0.274583333	0.368333333	0.560833333	0.7525	0.903333333	1.0275	5.3125	7.916666667
WV0042846	010	2003 to 2004	0	0	0	0	0	0	0	0
WV0042846	010	2004 to 2005	0.1175	0.11525	0.2225	0.22025	0.0075	0.00525	3.75	3.50025
WV0042846	037	2003 to 2004	0.608125	0.730833333	0.033958333	0.049166667	0.276458333	0.365833333	3.604166667	5.447916667
WV0042846	037	2004 to 2005	0.3275	0.400833333	0.194375	0.315833333	0.200208333	0.2725	2.354166667	4.166666667
WV0043273	001	2003 to 2004	0.086559091	0.119518182	0.09565	0.134481818	0.055590909	0.076727273	4.863636364	6.909090909
WV0043273	001	2004 to 2005	0.225291667	0.29025	0.201375	0.277833333	0.07225	0.09275	6.434541667	8.416666667
WV0043273	004	2003 to 2004	0.15	0.15	0.26	0.26	0.01825	0.01825	7.5	7.5
WV0043273	004	2004 to 2005	0.0965	0.0695	0.116	0.116	0.016	0.0105	5.0715	4.28575
WV0043273	005	2003 to 2004	0.098444444	0.132666667	0.285722222	0.376888889	0.156777778	0.175	8.777777778	11.77777778
WV0043273	005	2004 to 2005	0.35	0.362375	0.3323125	0.4035	0.0704375	0.0845	9.517875	9.330375
WV0043273	006	2003 to 2004	0.015642857	0.021142857	0.165428571	0.176571429	0.029142857	0.033	3.785714286	4.285714286
WV0043273	006	2004 to 2005	0.2486875	0.255625	0.1304375	0.14925	0.0338125	0.0365	5.5089375	5.625
WV0043273	008	2003 to 2004	0.09215	0.1218	0.58395	0.7994	0.1178	0.1447	7.15	9.2
WV0043273	008	2004 to 2005	0.199708333	0.25375	0.330833333	0.459333333	0.090708333	0.127	6.011916667	7.375
WV0043273	010	2003 to 2004	0.177579167	0.304758333	0.4191625	0.599308333	0.201554167	0.266608333	7.958333333	11
WV0043273	010	2004 to 2005	0.396541667	0.46175	0.311541667	0.360166667	0.266541667	0.299333333	7.005958333	7.666666667
WV0043613	GR-DN	2003 to 2004	0.48	0.56	0.68	0.88				
WV0043613	GR-DN	2004 to 2005								
WV0043613	SR-DN	2003 to 2004	0.77	0.96	0.87	1.27				
WV0043613	SR-DN	2004 to 2005								
WV0044024	062	2003 to 2004								
WV0044024	062	2004 to 2005	0.2	0.25	0.23	0.27	0.02	0.02	3	3
WV0044024	063	2003 to 2004								
WV0044024	063	2004 to 2005	0.26	0.31	0.12	0.15	0.04	0.05	3	3

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0044024	DSCC09	2003 to 2004	0.166666667	0.2	0.21	0.276666667	0.05	0.05	3	3
WV0044024	DSCC09	2004 to 2005	0.171428571	0.231428571	0.282857143	0.372857143	0.0425	0.0425	3.25	3.25
WV0044024	DSGR63	2003 to 2004								
WV0044024	DSGR63	2004 to 2005	0.67	0.99	1.06	1.8	0.2	0.34		
WV0044024	DSSR12	2003 to 2004	0.18	0.246666667	0.31	0.36	0.12	0.12	3	3
WV0044024	DSSR12	2004 to 2005	0.211666667	0.254166667	0.354166667	0.43	0.0825	0.0825	10	10
WV0044024	DSSR62	2003 to 2004								
WV0044024	DSSR62	2004 to 2005	0.25	0.26	0.15	0.18	0.02	0.02		
WV0044024	USCC09	2003 to 2004	0.18	0.23	0.213333333	0.283333333	0.05	0.05	3	3
WV0044024	USCC09	2004 to 2005	0.214285714	0.257142857	0.268571429	0.342857143	0.035	0.035	3	3
WV0044024	USGR63	2003 to 2004								
WV0044024	USGR63	2004 to 2005	0.69	1.01	0.98	1.66	0.2	0.33		
WV0044024	USSR12	2003 to 2004	0.173333333	0.223333333	0.286666667	0.333333333	0.07	0.07	3	3
WV0044024	USSR12	2004 to 2005	0.213333333	0.254166667	0.385833333	0.449166667	0.09	0.09	9.5	9.5
WV0044024	USSR62	2003 to 2004								
WV0044024	USSR62	2004 to 2005	0.21	0.24	0.16	0.18	0.03	0.04		
WV0044172	001	2003 to 2004	0.408333333	0.416666667	0.34	0.46	0.19	0.241666667	6.083333333	9
WV0044172	001	2004 to 2005	0.4	0.4	0.14375	0.222727273	0.030625	0.077272727	4.375	5.818181818
WV0044172	003	2003 to 2004	0.422727273	0.445454545	0.161818182	0.227272727	0.129545455	0.109090909	6.818181818	10.36363636
WV0044172	003	2004 to 2005	0.433333333	0.466666667	0.345416667	0.481666667	0.0475	0.0575	15.33333333	24.83333333
WV0044172	004	2003 to 2004	0.4	0.4	0.32375	0.4325	0.55625	0.625833333	12.375	16.91666667
WV0044172	004	2004 to 2005	0.4	0.4	0.417916667	0.521666667	0.74	0.814166667	7.458333333	10.66666667
WV0044172	005	2003 to 2004	0.429166667	0.458333333	0.297916667	0.358333333	0.142916667	0.170833333	6.375	9.25
WV0044172	005	2004 to 2005	0.416666667	0.433333333	0.27625	0.366666667	0.064583333	0.076666667	5.416666667	8.666666667
WV0044172	007	2003 to 2004	0.435714286	0.471428571	0.425	0.505714286	0.116428571	0.145714286	4.428571429	6.714285714
WV0044172	007	2004 to 2005								
WV0044172	008	2003 to 2004	0.4	0.4	0.205	0.225	0.08	0.09	1	3.5
WV0044172	008	2004 to 2005	0.4	0.4	0.432083333	0.593333333	0.102083333	0.13	5.5	7.75
WV0044172	009	2003 to 2004	0.421428571	0.442857143	0.253571429	0.311428571	0.042142857	0.057142857	11.85714286	15.42857143
WV0044172	009	2004 to 2005								
WV0044172	010	2003 to 2004	0.418181818	0.436363636	0.251363636	0.315454545	0.060909091	0.066363636	5.227272727	7.909090909
WV0044172	010	2004 to 2005	0.4	0.4	0.235	0.298333333	0.035416667	0.04	2.125	2.666666667
WV0044172	014	2003 to 2004	0.422727273	0.445454545	0.363333333	0.511666667	0.175416667	0.213333333	5.125	7.666666667
WV0044172	014	2004 to 2005	0.4	0.4	0.295	0.388	0.095555556	0.133	5.222222222	7
WV0044172	015	2003 to 2004	0.4	0.4	0.315	0.305	0.295	0.245	3	2.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0044172	015	2004 to 2005	0.4	0.4	0.215	0.274	0.08125	0.11	2.375	3
WV0044172	016	2003 to 2004		0.4		0.27		0.18		1
WV0044172	016	2004 to 2005	0.4	0.4	0.205	0.26	0.0625	0.082857143	3	4.142857143
WV0044172	017	2003 to 2004	0.4	0.4	0.244583333	0.345833333	0.040416667	0.055833333	5.375	7.916666667
WV0044172	017	2004 to 2005	0.4	0.4	0.1625	0.190833333	0.03625	0.05	2.25	2.916666667
WV0044172	018	2003 to 2004								
WV0044172	018	2004 to 2005		0.4		0.26		0.605		11.5
WV0044172	019	2003 to 2004		0.4		0.22		0.62		6
WV0044172	019	2004 to 2005	0.4	0.4	0.063636364	0.07	0.021818182	0.023333333	1.681818182	2.333333333
WV0044172	020	2003 to 2004	0.558333333	0.671428571	0.506666667	0.588571429	0.1575	0.225714286	9.833333333	14.85714286
WV0044172	020	2004 to 2005	0.4	0.4	0.287	0.400909091	0.0855	0.12	9.45	14.54545455
WV0044172	021	2003 to 2004	0.4	0.4	0.6375	0.72625	0.126666667	0.15	14.75	18.625
WV0044172	021	2004 to 2005	0.4	0.418181818	0.4205	0.58	0.2055	0.231818182	5.4	8.454545455
WV0044181	001	2003 to 2004	0.4	0.4	0.296818182	0.445454545	0.069090909	0.08	11.22727273	14.81818182
WV0044181	001	2004 to 2005	0.339583333	0.412	0.27875	0.430833333	0.029166667	0.036666667	7.166666667	11.75
WV0044181	003	2003 to 2004	0.4	0.4	0.082727273	0.097272727	0.022272727	0.024545455	2.909090909	4.181818182
WV0044181	003	2004 to 2005	0.298090909	0.310583333	0.1525	0.214166667	0.030833333	0.035833333	2.25	2.916666667
WV0044181	004	2003 to 2004	0.4	0.4	0.120909091	0.169090909	0.031818182	0.043636364	3.045454545	4.727272727
WV0044181	004	2004 to 2005	0.432666667	0.4845	0.391666667	0.532	0.035555556	0.047	24.05555556	30
WV0044181	005	2003 to 2004	0.4	0.4	0.2875	0.335	0.07125	0.075	4	6.25
WV0044181	005	2004 to 2005	0.310916667	0.3705	0.77875	1.175833333	0.095833333	0.131666667	7.25	10.58333333
WV0044181	008	2003 to 2004	0.4	0.4	0.356666667	0.474	0.515	0.51	8.5	10
WV0044181	008	2004 to 2005	0.28205	0.3166	0.3005	0.37	0.4925	0.593	6.35	9.3
WV0044181	010	2003 to 2004	0.4	0.4	1.316363636	1.670909091	0.748909091	0.9	4.909090909	7.181818182
WV0044181	010	2004 to 2005	0.220909091	0.229909091	1.355454545	1.500909091	0.724545455	0.759090909	3.272727273	4.545454545
WV0044181	017	2003 to 2004								
WV0044181	017	2004 to 2005	0.23475	0.2559	0.230625	0.302	0.063125	0.077	3.6875	4.8
WV0044181	019	2003 to 2004	0.4	0.4	0.135	0.288181818	0.042272727	0.056363636	2.772727273	4.181818182
WV0044181	019	2004 to 2005	0.233590909	0.265083333	0.082727273	0.105	0.023636364	0.024166667	2.772727273	3.916666667
WV0044181	020	2003 to 2004	0.4	0.4	0.05	0.07	0.02	0.02	4.5	5
WV0044181	020	2004 to 2005	0.233454545	0.270916667	0.121818182	0.163333333	0.041818182	0.058333333	4.454545455	6.75
WV0044288	001	2003 to 2004	0.733636364	0.918181818	0.205454545	0.253636364	0.404545455	0.520909091	8.909090909	12
WV0044288	001	2004 to 2005	0.434166667	0.619166667	0.219166667	0.306666667	0.316666667	0.3675	8.416666667	11.33333333
WV0044547	002	2003 to 2004	1.925		0.23	0.306666667	0.145		6.483333333	2.3
WV0044547	002	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0044547	003	2003 to 2004	71.5		171.1016667	196.7033333	6.675		19.29166667	1.083333333
WV0044547	003	2004 to 2005								
WV0044750	001	2003 to 2004	3.440909091	5.433333333	1.086818182	1.3725	1.682727273	2.276666667	21.22727273	30.54166667
WV0044750	001	2004 to 2005	2.1	2.775	0.915416667	1.275	1.352916667	1.696666667	18.79166667	25.75
WV0044750	002	2003 to 2004	0.4	0.4	0.485	0.248333333	0.06	0.07	7.666666667	8.916666667
WV0044750	002	2004 to 2005	0.4	0.4	0.214166667	0.263333333	0.137083333	0.219166667	9.166666667	13.83333333
WV0045608	001	2003 to 2004	0.609090909	0.818181818	0.496818182	0.761818182	0.228636364	0.29	8.136363636	14.36363636
WV0045608	001	2004 to 2005	0.4	0.4	0.316666667	0.3775	0.390416667	0.4775	6	10
WV0045608	002	2003 to 2004		0.55		0.715		0.04		45
WV0045608	002	2004 to 2005								
WV0045608	010	2003 to 2004		0.4		0.06		0.02		4
WV0045608	010	2004 to 2005	0.4	0.4	0.085	0.105	0.0375	0.055	8.25	10
WV0046027	001	2003 to 2004	0.8475	0.965	0.01625	0.02375	0.67875	0.795	3.390625	4.739583333
WV0046027	001	2004 to 2005	0.235227273	0.315454545	0.007954545	0.010909091	0.112954545	0.136363636	3.681818182	5.5
WV0046141	002	2003 to 2004								
WV0046141	002	2004 to 2005	0.366833333	0.452333333	0.317	0.31	0.12	0.133333333	10.7	12.83333333
WV0046141	004	2003 to 2004								
WV0046141	004	2004 to 2005	0.351416667	0.371857143	0.188333333	0.201428571	0.048333333	0.053333333	4.333333333	4.571428571
WV0046141	005	2003 to 2004	0.4	0.4	0.225909091	0.336363636	0.761818182	1.25	10.27272727	13.81818182
WV0046141	005	2004 to 2005	0.359227273	0.368166667	0.521363636	0.6325	0.890909091	1.194166667	9.227272727	12.41666667
WV0046141	008	2003 to 2004		0.4		0.053333333		0.02		2.333333333
WV0046141	008	2004 to 2005	0.165	0.191	0.12	0.08	0.06	0.17	1	5.333333333
WV0046141	012	2003 to 2004	0.4	0.4	0.110833333	0.088333333	0.02	0.02	4.041666667	6.166666667
WV0046141	012	2004 to 2005	0.373	0.373833333	0.105	0.12	0.024166667	0.0275	5.666666667	7.583333333
WV0046141	013	2003 to 2004	0.4	0.4	0.115	0.15	0.147916667	0.173333333	6.333333333	9.583333333
WV0046141	013	2004 to 2005	0.39615	0.419909091	0.1545	0.184545455	0.053	0.074545455	4	5.181818182
WV0046329	009	2003 to 2004	0.14	0.22	0.215	0.285	0.1	0.12	6.5	13
WV0046329	009	2004 to 2005								
WV0046329	010	2003 to 2004	0.263333333	0.318888889	5.679090909	6.545454545	0.251666667	0.335833333	7	10.07142857
WV0046329	010	2004 to 2005	0.298571429	0.38	0.11	0.22	0.14125	0.405	9.392857143	14
WV0046329	012	2003 to 2004	0.1	0.205	0.19	0.255	0.0925	0.145	3.125	6.25
WV0046329	012	2004 to 2005	0.254285714	0.312857143	0.06	0.08	0.55	0.60875	5.2	7
WV0046329	016	2003 to 2004								
WV0046329	016	2004 to 2005	0.25	0.346666667	0.11	0.173333333	0.513333333	0.633333333	4.416666667	7
WV0046329	017	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0046329	017	2004 to 2005	0.276666667	0.346666667	0.06	0.155	0.71	1	23.556666667	36.666666667
WV0046329	018	2003 to 2004								
WV0046329	018	2004 to 2005	0.375	0.485	0.165	0.3	0.625	0.99	9.375	11.25
WV0046469	001	2003 to 2004	0.430909091	0.608181818	0.250909091	0.322727273	0.170909091	0.230909091	11.18181818	18.36363636
WV0046469	001	2004 to 2005	0.3725	0.549166667	0.129166667	0.175	0.129166667	0.155	5.833333333	7.5
WV0046469	003	2003 to 2004	0.451818182	0.67	0.173636364	0.243636364	0.139090909	0.222727273	11.90909091	20
WV0046469	003	2004 to 2005	0.310833333	0.481666667	0.205833333	0.37	0.174166667	0.224166667	9	16
WV0046469	004	2003 to 2004	0.508181818	0.791818182	0.512727273	0.860909091	1.303636364	2.242727273	8.636363636	10.54545455
WV0046469	004	2004 to 2005	0.3025	0.515833333	0.626666667	0.968333333	1.753333333	2.553333333	9.916666667	13.16666667
WV0046469	005	2003 to 2004	1.461818182	2.758181818	1.530909091	2.474545455	0.199090909	0.327272727	35.45454545	66.18181818
WV0046469	005	2004 to 2005	0.57	0.886666667	0.615833333	0.925833333	0.094166667	0.15	24.33333333	43.5
WV0046612	001	2003 to 2004			0.8	1.02	0.17	0.18	4	6
WV0046612	001	2004 to 2005								
WV0046612	002	2003 to 2004	0.23	0.375454545	0.466363636	0.582727273	0.376363636	0.464545455	3.454545455	5
WV0046612	002	2004 to 2005	0.240833333	0.371666667	0.374166667	0.491666667	0.413333333	0.520833333	5.583333333	7.333333333
WV0046612	003	2003 to 2004	0.404444444	0.546	0.568	0.65	0.213	0.229090909	9.25	12.55555556
WV0046612	003	2004 to 2005	0.448571429	0.454285714	0.468571429	0.474285714	0.122857143	0.124285714	6.142857143	6.428571429
WV0046612	004	2003 to 2004	0.218888889	0.228888889	0.527777778	0.541111111	0.234444444	0.243333333	5	5.571428571
WV0046612	004	2004 to 2005	0.14375	0.20625	0.28375	0.3525	0.1425	0.14875	6.25	8.875
WV0046612	006	2003 to 2004	0.191666667	0.2475	0.545833333	0.6675	0.385833333	0.47	3.916666667	5.75
WV0046612	006	2004 to 2005	0.102727273	0.123636364	0.335454545	0.375454545	0.363636364	0.479090909	3.818181818	5.181818182
WV0046655	017	2003 to 2004	0.207	0.241	0.324	0.418		0	3.75	4
WV0046655	017	2004 to 2005	0.183333333	0.216666667	0.346666667	0.553333333			3.166666667	3.333333333
WV0046655	022	2003 to 2004	0.285454545	0.300909091	0.616363636	0.717272727		0.0375	3.772727273	4
WV0046655	022	2004 to 2005	0.223333333	0.28	0.42	0.636666667			4.833333333	6.666666667
WV0046701	001	2003 to 2004	0.369090909	0.535454545	0.152727273	0.197272727	0.150909091	0.210909091	12.72727273	16.54545455
WV0046701	001	2004 to 2005	0.33	0.436666667	0.116666667	0.169166667	0.1125	0.1725	15.08333333	18.83333333
WV0046701	002	2003 to 2004	0.400909091	0.582727273	0.129090909	0.156363636	0.148181818	0.213636364	7.818181818	9.636363636
WV0046701	002	2004 to 2005	0.387	0.543	0.121	0.171	0.184	0.43	11.2	14.2
WV0047074	005	2003 to 2004								
WV0047074	005	2004 to 2005		0.4		0.19		0.02		9.5
WV0047074	011	2003 to 2004								
WV0047074	011	2004 to 2005	0.4	0.4	0.3525	0.44	0.035	0.093333333	11.625	15.83333333
WV0047198	001	2003 to 2004	0.069875	0.130333333	0.1543125	0.180908333	0.038416667	0.052208333	5.625	8.083333333
WV0047198	001	2004 to 2005	0.136772727	0.163181818	0.265909091	0.406818182	0.058727273	0.084272727	7.5065	10.90909091

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0047198	002	2003 to 2004								
WV0047198	002	2004 to 2005	0.195	0.211	0.266	0.275	0.091	0.095	3	0
WV0047716	001	2003 to 2004	0	0	0	0	5.38	5.38	5	5
WV0047716	001	2004 to 2005								
WV0047716	002	2003 to 2004	0.079166667	0.1025	0.214930558	0.249166667	0.082847225	0.105	4.164930583	6.916666667
WV0047716	002	2004 to 2005	0.041875	0.060416667	0.27875	0.328333333	0.235	0.2625	2.854166667	4.458333333
WV0047759	002	2003 to 2004	0.248	0.252	0.413	0.442	0.278	0.32	3.1	3.4
WV0047759	002	2004 to 2005	0.181590909	0.274545455	0.176590909	0.219090909	0.399909091	0.479090909	3.477272727	5.045454545
WV0047759	003	2003 to 2004	0.0475	0.065	0.97	1.18	0.2225	0.235	2.125	3.75
WV0047759	003	2004 to 2005	0.102291667	0.108333333	3.02125	3.1625	0.55625	0.6075	7.791666667	9.25
WV0047759	005	2003 to 2004								
WV0047759	005	2004 to 2005	0.1	0.1	0.18	0.18	0.12	0.12	0	0
WV0047759	006	2003 to 2004	0.1175	0.135	0.265	0.29	0.2025	0.26	1.125	1.75
WV0047759	006	2004 to 2005	0.071041667	0.102916667	0.216041667	0.295	0.195833333	0.231666667	3.458333333	5.5
WV0047759	007	2003 to 2004	0.2075	0.243333333	0.775	0.946666667	0.353333333	0.4725	3	3.416666667
WV0047759	007	2004 to 2005	0.166666667	0.17	1.677083333	1.7275	1.2225	1.269166667	9.020833333	9.416666667
WV0047759	DSDC	2003 to 2004	0.15	0.21	0.24	0.25	0.05	0.05		0
WV0047759	DSDC	2004 to 2005								
WV0047759	USDC	2003 to 2004	0.12	0.12	0.24	0.26	0.06	0.06		0
WV0047759	USDC	2004 to 2005								
WV0047988	013	2003 to 2004	0.120416667	0.140916667	0.895	0.983333333	0.5325	0.605	3.041666667	4.083333333
WV0047988	013	2004 to 2005	0.192083333	0.248333333	1.315	1.486666667	0.557916667	0.621666667	9.708333333	15.20833333
WV0047988	020	2003 to 2004	0.282727273	0.355454545	0.415909091	0.494545455	0.067727273	0.088181818	6	8.318181818
WV0047988	020	2004 to 2005	1.05	1.623	0.652777778	1.238	0.082	0.107	21.6	33.95
WV0047988	039	2003 to 2004	0.284583333	0.325	0.97625	1.183333333	0.86875	1.134166667	5.208333333	7.208333333
WV0047988	039	2004 to 2005	0.37	0.42	1.262083333	1.58	0.87225	1.2175	7.125	9.666666667
WV0048097	001	2003 to 2004	0.3725	0.443333333	0.496666667	0.596666667	0.2475	0.27	6.84375	8.145833333
WV0048097	001	2004 to 2005	0.2055	0.21	0.2765	0.286	0.1145	0.122	1.35	1.9
WV0048097	002	2003 to 2004	0.389545455	0.467272727	0.405454545	0.530909091	0.346818182	0.396363636	21.65909091	34.48863636
WV0048097	002	2004 to 2005	0.345909091	0.4255	0.228181818	0.301863636	0.322272727	0.350045455	10.11363636	16.86368182
WV0048101	003	2003 to 2004	0.211818182	0.32	0.400909091	0.63	0.099545455	0.140909091	68.25568182	128.5909091
WV0048101	003	2004 to 2005	0.112083333	0.170833333	0.107916667	0.15	0.042291667	0.0675	6.208333333	10.41666667
WV0048101	005	2003 to 2004	0.395833333	0.595833333	0.365	0.461666667	0.071666667	0.088333333	17.78645833	28.45833333
WV0048101	005	2004 to 2005	0.1821875	0.254375	0.25875	0.3175	0.0390625	0.05	8.75	11.8125
WV0048101	006	2003 to 2004	0.118	0.134	0.244	0.278	0.0325	0.041	10.125	11.9375



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0048101	006	2004 to 2005	0.1025	0.153333333	0.171666667	0.272222222	0.036111111	0.065	4.472222222	6.055555556
WV0048101	007	2003 to 2004	0.427142857	0.508571429	1.072857143	1.262857143	0.136428571	0.143571429	41.57142857	60
WV0048101	007	2004 to 2005	0.381666667	0.45	0.66	0.853333333	0.128333333	0.166666667	58.66666667	111
WV0048101	008	2003 to 2004	0.121666667	0.166666667	0.429166667	0.555833333	0.084583333	0.11	10.70833333	16.29791667
WV0048101	008	2004 to 2005	0.073863636	0.12	0.242272727	0.299090909	0.069318182	0.089090909	5.863636364	9.5
WV0048101	009	2003 to 2004	0.12	0.12	0.45	0.45	0.58	0.58	10	10
WV0048101	009	2004 to 2005	0.08	0.08	0.2	0.2	0.13	0.13	6	6
WV0048526	003	2003 to 2004	0.091611111	0.170444444	0.465055556	0.627	1.004444444	1.264555556	4	5.666666667
WV0048526	003	2004 to 2005	0.159577273	0.195545455	0.388504545	0.491363636	0.552204545	0.739454545	7.798727273	9.564954545
WV0048526	006	2003 to 2004	0.095611111	0.177222222	0.305944444	0.383111111	0.307666667	0.356333333	4.111111111	5.888888889
WV0048526	006	2004 to 2005	0.139416667	0.18575	0.338041667	0.4575	0.261916667	0.324416667	6.434541667	8.922625
WV0048526	008	2003 to 2004	0.103666667	0.193444444	0.426888889	0.505444444	0.299316667	0.346744444	3.111111111	4.666666667
WV0048526	008	2004 to 2005	0.151	0.204333333	0.385375	0.504833333	0.246375	0.30525	4.279666667	5.14275
WV0048526	009	2003 to 2004	0.082833333	0.151444444	0.207222222	0.306777778	0.441833333	0.606555556	3.944444444	4.777777778
WV0048526	009	2004 to 2005	0.216	0.283833333	0.549	0.699083333	0.769125	1.014083333	9.839291667	14.16666667
WV0048577	001	2003 to 2004	0.323125	0.4575	0.815833333	1.272916667	0.65875	0.988333333	6.963541667	10
WV0048577	001	2004 to 2005	0.05875	0.073333333	0.218333333	0.307083333	0.229375	0.352083333	2.125	3.166666667
WV0048577	002	2003 to 2004								
WV0048577	002	2004 to 2005	0.024	0.027	0.051	0.057	0.0295	0.031	0.8	1.2
WV0048593	003	2003 to 2004	0.4	0.4	0.12	0.14	0.023333333	0.026666667	2.5	3.333333333
WV0048593	003	2004 to 2005	0.22945	0.259416667	0.198	0.25	0.029	0.035	3.85	6.416666667
WV0048593	007	2003 to 2004	0.4	0.4	0.415	0.563333333	0.408333333	0.466666667	5.833333333	8
WV0048593	007	2004 to 2005	0.267	0.282416667	0.364090909	0.46	0.244545455	0.315833333	6.909090909	9
WV0048593	008	2003 to 2004	0.4	0.8	0.225	0.535	0.08	0.05	1	25
WV0048593	008	2004 to 2005	0.200611111	0.255363636	0.236666667	0.31	0.057222222	0.082727273	6.555555556	11
WV0048593	009	2003 to 2004	0.4	0.4	0.445	0.58	0.431666667	0.506666667	5.5	8
WV0048593	009	2004 to 2005	0.22795	0.20925	0.442	0.53	0.3675	0.483333333	4.6	5.666666667
WV0048739	004	2003 to 2004	0.090071429	0.151125	2.002875	2.30275	0.089166667	0.11875	6.083333333	8.583333333
WV0048739	004	2004 to 2005	0.279083333	0.3285	1.49275	1.768166667	0.048875	0.059	8.339333333	11.55954167
WV0048887	002	2003 to 2004	0.161333333	0.161333333	0.176	0.176	0.033666667	0.033666667	2.666666667	2.666666667
WV0048887	002	2004 to 2005	0.1551875	0.151375	0.348625	0.363875	0.0665	0.068375	8.125	8.3125
WV0048909	001	2003 to 2004		0.185		0.654		0.1		6.2
WV0048909	001	2004 to 2005								
WV0048976	003	2003 to 2004	0.270833333	0.324166667	0.2925	0.363333333	0.149166667	0.165	3.916666667	4.75
WV0048976	003	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0049239	001	2003 to 2004	0.51125	0.635	0.39875	0.44375	0.08875	0.1375	5.375	6.75
WV0049239	001	2004 to 2005	0.26	0.382	0.243	0.351	0.035	0.045	6.4	9.2
WV0049239	002	2003 to 2004	0.64	0.6525	0.54	0.6175	0.1375	0.1675	10.5	13.5
WV0049239	002	2004 to 2005	0.4	0.453333333	0.286666667	0.353333333	0.086666667	0.086666667	14	16.66666667
WV0049239	003	2003 to 2004	0.7475	1.05375	1.10625	1.42375	0.205	0.3075	19.5	25.75
WV0049239	003	2004 to 2005	0.757272727	1.15	1.098181818	1.659090909	0.163636364	0.223636364	24.18181818	38.54545455
WV0049671	011	2003 to 2004			0.0925	0.0925			3	3
WV0049671	011	2004 to 2005	0.335	0.39	0.21	0.25	0.03125	0.03375	8.277777778	11.11111111
WV0049671	024	2003 to 2004			0.04	0.04			3	3
WV0049671	024	2004 to 2005	0.255	0.2775	0.045555556	0.056666667	0.02375	0.03	3	3
WV0049671	025	2003 to 2004			0.1475	0.1475			3	3
WV0049671	025	2004 to 2005	0.22	0.25375	0.065555556	0.084444444	0.02125	0.0225	3	3
WV0049671	026	2003 to 2004			0.07	0.07			3	3
WV0049671	026	2004 to 2005	0.21	0.2325	0.058888889	0.068888889	0.02	0.02	3	3
WV0049671	042	2003 to 2004			0.425416667	0.538333333	0.0625	0.069166667	3	3
WV0049671	042	2004 to 2005	0.17	0.19	0.19	0.216666667	0.038333333	0.04	3	3
WV0049671	047	2003 to 2004			0.12	0.12			3	3
WV0049671	047	2004 to 2005	0.195	0.21125	0.064444444	0.071111111	0.02	0.0225	3.111111111	3.111111111
WV0049671	059	2003 to 2004			0.065	0.065			3	3
WV0049671	059	2004 to 2005	0.2025	0.21125	0.053333333	0.06	0.01625	0.02	3.111111111	3.111111111
WV0049671	DSGR24	2003 to 2004								
WV0049671	DSGR24	2004 to 2005	0.33875	0.37875	0.275	0.3525	0.0675	0.07875	4.5	4.5
WV0049671	DSSR11	2003 to 2004								
WV0049671	DSSR11	2004 to 2005	0.2425	0.3225	0.20375	0.2875	0.0275	0.0325	3	3
WV0049671	DSUTGR	2003 to 2004								
WV0049671	DSUTGR	2004 to 2005	0.2225	0.235	0.04875	0.0575	0.01875	0.02125	3	3
WV0049671	USGR24	2003 to 2004								
WV0049671	USGR24	2004 to 2005	0.3075	0.36375	0.26875	0.35	0.06375	0.0825	4.5	4.5
WV0049671	USSR36	2003 to 2004								
WV0049671	USSR36	2004 to 2005	0.23875	0.3075	0.19	0.24875	0.02875	0.03375	4.5	4.5
WV0049671	USSR42	2003 to 2004								
WV0049671	USSR42	2004 to 2005	0.23	0.31625	0.19125	0.26125	0.03	0.0375	4.5	4.5
WV0049751	001	2003 to 2004	0.21875	0.2575	0.549166667	0.646666667			4.375	5.666666667
WV0049751	001	2004 to 2005	0.271666667	0.340833333	0.4575	0.5275	0.256	0.269	3.75	4.333333333
WV0049751	003	2003 to 2004	0.175	0.175	0.115	0.115			3.5	3.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0049751	003	2004 to 2005	0.195	0.195	0.185	0.215	0.05	0.05	4.75	5
WV0049751	004	2003 to 2004	0.173571429	0.222857143	0.172857143	0.185714286			3.142857143	3.142857143
WV0049751	004	2004 to 2005	0.23625	0.28375	0.14	0.14625	0.03	0.03	3.0625	3.125
WV0049751	005	2003 to 2004	0.601666667	0.815833333	0.29375	0.354166667			13.375	19.58333333
WV0049751	005	2004 to 2005	0.423333333	0.52	0.35	0.515833333	0.031	0.036	7.708333333	11.91666667
WV0049751	007	2003 to 2004	0.25375	0.291666667	0.113333333	0.14			3.958333333	4.833333333
WV0049751	007	2004 to 2005	0.259166667	0.3275	0.109166667	0.125833333	0.049	0.067	4.166666667	5.25
WV0049751	008	2003 to 2004	0.205	0.26	0.051666667	0.053333333	0.05	0.05	3	3
WV0049751	008	2004 to 2005								
WV0049751	010	2003 to 2004	0.1975	0.218333333	1.800833333	1.966666667			3.416666667	3.666666667
WV0049751	010	2004 to 2005	0.2375	0.286666667	1.9275	2.043333333	0.587	0.603	3.833333333	4.333333333
WV0049751	011	2003 to 2004	0.175	0.214166667	0.066666667	0.091666667			3	3
WV0049751	011	2004 to 2005	0.219166667	0.289166667	0.1025	0.138333333	0.03	0.038	3.125	3.25
WV0049751	018	2003 to 2004								
WV0049751	018	2004 to 2005	1.06	1.155	1.07	1.09	0.065	0.065	9	10
WV0050318	011	2003 to 2004	0.126555556	0.188888889	0.225888889	0.337111111	0.024333333	0.024555556	5.333333333	8.555555556
WV0050318	011	2004 to 2005								
WV0050318	012	2003 to 2004	0.0811	0.1023	0.2019	0.3299	0.0327	0.0356	2.15	3
WV0050318	012	2004 to 2005	0.115166667	0.17	0.230666667	0.386416667	0.105	0.1825	13.20833333	23.66666667
WV0050318	013	2003 to 2004	0.0824	0.105	0.2298	0.3461	0.0327	0.0399	5.5	9
WV0050318	013	2004 to 2005	0.158181818	0.253090909	0.439636364	0.763090909	0.121090909	0.218181818	14.63636364	26.72727273
WV0050318	014	2003 to 2004	0.097666667	0.103	0.453666667	0.502666667	0.348333333	0.430333333	8.5	8.666666667
WV0050318	014	2004 to 2005								
WV0050318	022	2003 to 2004	0.0929	0.1188	0.2306	0.3036	0.2667	0.3797	3.55	5.3
WV0050318	022	2004 to 2005	0.143416667	0.211916667	0.305083333	0.493916667	0.183583333	0.315333333	8.5	13.66666667
WV0050318	026	2003 to 2004	0.0649	0.0699	0.9588	1.1592	0.0982	0.1246	8.55	12.2
WV0050318	026	2004 to 2005	0.0605	0.060916667	1.067333333	1.242833333	0.097416667	0.1255	9.583333333	11.41666667
WV0050318	109	2003 to 2004	0.1254	0.1901	0.8073	0.9962	0.2052	0.2389	12.5	21.7
WV0050318	109	2004 to 2005	0.08575	0.111583333	1.414916667	1.6545	0.350583333	0.402333333	5.625	7.583333333
WV0050521	020	2003 to 2004	0.1625	0.1625	0.0825	0.0825			3	3
WV0050521	020	2004 to 2005	0.214166667	0.245833333	0.1475	0.173333333	0.0575	0.06625	3	3
WV0050521	028	2003 to 2004	0.175909091	0.219090909	0.501818182	0.520909091	0.116363636	0.127272727	3	3
WV0050521	028	2004 to 2005	0.175	0.225	0.4125	0.45	0.105	0.11	3.25	3.5
WV0050521	029	2003 to 2004			0.155	0.155			3	2.5
WV0050521	029	2004 to 2005	0.18375	0.20625	0.133333333	0.161111111	0.03125	0.03875	3.222222222	3.222222222

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0050521	030	2003 to 2004			0.0725	0.0725			3	3
WV0050521	030	2004 to 2005	0.245	0.31	0.102222222	0.147777778	0.04125	0.04625	5.277777778	7.555555556
WV0050521	032	2003 to 2004			0.045	0.045			3	3
WV0050521	032	2004 to 2005	0.22125	0.26875	0.065555556	0.073333333	0.03	0.0375	3.055555556	3.111111111
WV0050521	037	2003 to 2004								
WV0050521	037	2004 to 2005	0.34625	0.44875	0.47625	0.76875	0.1675	0.2475	7.41625	16
WV0050521	038	2003 to 2004	0.25	0.25	0.2	0.2	0.05	0.05	3.25	3.25
WV0050521	038	2004 to 2005	0.24	0.274444444	0.106666667	0.17	0.026666667	0.035555556	4	5
WV0050521	045	2003 to 2004			0.46	0.46	0.12	0.12	3	3
WV0050521	045	2004 to 2005	0.21625	0.24625	0.146666667	0.184444444	0.058888889	0.068888889	3.388888889	3.666666667
WV0050521	052	2003 to 2004			0.0475	0.0475			3	3
WV0050521	052	2004 to 2005	0.21875	0.2625	0.074444444	0.088888889	0.02625	0.03125	3.055555556	3.111111111
WV0050521	063	2003 to 2004								
WV0050521	063	2004 to 2005	0.21875	0.25375	0.39875	0.4275	0.09875	0.10625	3	3
WV0050521	DSBC45	2003 to 2004								
WV0050521	DSBC45	2004 to 2005	0.28375	0.3375	0.24375	0.345	0.05375	0.07	3	3
WV0050521	DSGR38	2003 to 2004								
WV0050521	DSGR38	2004 to 2005	0.45625	0.63	0.4125	0.61625	0.08125	0.10875	5	5
WV0050521	DSGR52	2003 to 2004								
WV0050521	DSGR52	2004 to 2005	0.43125	0.565	0.3525	0.49375	0.07625	0.1025	4	4
WV0050521	DSL37	2003 to 2004								
WV0050521	DSL37	2004 to 2005	0.4675	0.66375	0.59375	0.9125	0.17375	0.23125	3	3
WV0050521	DSPC32	2003 to 2004								
WV0050521	DSPC32	2004 to 2005	0.30125	0.38	0.36875	0.57375	0.08625	0.11625	6.833333333	10.66666667
WV0050521	USBC28	2003 to 2004								
WV0050521	USBC28	2004 to 2005	0.27625	0.315	0.2525	0.34	0.05	0.06	3	3
WV0050521	USGR50	2003 to 2004								
WV0050521	USGR50	2004 to 2005	0.4325	0.61125	0.395	0.57875	0.075	0.095	3	3
WV0050521	USLB37	2003 to 2004								
WV0050521	USLB37	2004 to 2005	0.35375	0.42875	0.40875	0.555	0.15	0.18625	4.5	4.5
WV0050521	USPC30	2003 to 2004								
WV0050521	USPC30	2004 to 2005	0.31875	0.425	0.36125	0.55	0.08375	0.11125	6.833333333	10.66666667
WV0050598	001	2003 to 2004	0.05	0.1375	0.11	0.3425	0.1	0.1225	2	9
WV0050598	001	2004 to 2005	0.426666667	0.294	0.43	0.332	0.11	0.102	7.666666667	5
WV0050598	002	2003 to 2004			0.686666667	1.0725	0.2075	0.2875	8.272727273	12.81818182

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0050598	002	2004 to 2005			0.184166667	0.23	0.123333333	0.153333333	10.75	14.25
WV0050598	004	2003 to 2004		0.8725		0.905		0.06		11
WV0050598	004	2004 to 2005	0.433333333	0.395	0.446666667	0.4625	0.066666667	0.095	4.666666667	4
WV0050598	005	2003 to 2004			0.11	0.1325	0.09	0.09	1.666666667	2
WV0050598	005	2004 to 2005	0.05	0.05	0.248	0.252	0.116	0.11	5	5
WV0050717	001	2003 to 2004	0.135291667	0.170666667	0.1185	0.155916667	0.056041667	0.073416667	2.583333333	3.25
WV0050717	001	2004 to 2005	0.168833333	0.197666667	0.105833333	0.130166667	0.055791667	0.06525	3.440541667	3.404791667
WV0050717	002	2003 to 2004	0.126375	0.18975	0.3045	0.423166667	0.352875	0.516333333	4.458333333	6.75
WV0050717	002	2004 to 2005	0.333916667	0.420666667	0.188041667	0.235333333	0.126125	0.1625	3.881	4.511916667
WV0050717	004	2003 to 2004	0.167333333	0.267833333	0.408458333	0.473416667	0.136916667	0.188416667	2.791666667	4.333333333
WV0050717	004	2004 to 2005	0.170541667	0.188	0.452833333	0.524333333	0.121958333	0.150916667	4.000041667	4.553583333
WV0050717	006	2003 to 2004								
WV0050717	006	2004 to 2005	1.501	1.501	0.014	0	0.645	0.645	17	17
WV0050857	002	2003 to 2004	0.101666667	0.135666667	0.153777778	0.256666667	0.854333333	1.270111111	7.111111111	10.77777778
WV0050857	002	2004 to 2005	0.134916667	0.184916667	0.288166667	0.3855	0.444083333	0.6395	7.208333333	9.333333333
WV0050857	003	2003 to 2004								
WV0050857	003	2004 to 2005	0.334	0.334	0.948	0.948	0.484	0.484	9	9
WV0050857	005	2003 to 2004	0.1376	0.1538	0.4798	0.499	0.4902	0.5082	5.3	6.2
WV0050857	005	2004 to 2005	0.092636364	0.11	0.321636364	0.365636364	0.143909091	0.183909091	5.045454545	6
WV0050857	006	2003 to 2004	0.174333333	0.181	0.471	0.503	0.358666667	0.361	5.166666667	5.333333333
WV0050857	006	2004 to 2005	0.0965	0.0965	0.35175	0.35175	0.37475	0.37475	4.25	4.25
WV0050857	008	2003 to 2004	0.1315	0.1842	0.6147	0.8159	0.2331	0.3224	6.975	10.6
WV0050857	008	2004 to 2005	0.09175	0.113666667	0.325083333	0.419666667	0.177166667	0.311	4.375	6.083333333
WV0050857	009	2003 to 2004								
WV0050857	009	2004 to 2005	0.1034	0.1034	0.423	0.423	0.3392	0.3392	8.6	8.6
WV0050857	201	2003 to 2004			389.316	389.316	38.354	38.354		
WV0050857	201	2004 to 2005	27.56	27.56	1.846666667	1.846666667	2.143333333	2.143333333	378.5	378.5
WV0050865	001	2003 to 2004	0.45	0.5	0.365714286	0.48625	0.083714286	0.12	11.405	14.78875
WV0050865	001	2004 to 2005	0.5	0.5	0.828333333	0.775	0.226666667	0.375	22.16666667	28.83333333
WV0050903	001	2003 to 2004	0.53	0.53	2.17	2.17	0.62	0.62	19	19
WV0050903	001	2004 to 2005								
WV0050903	002	2003 to 2004	0.17	0.17	0.16	0.16	0.06	0.06	0	0
WV0050903	002	2004 to 2005	0.0925	0.0925	0.25	0.25	0.2225	0.2225	1.75	1.75
WV0050903	005	2003 to 2004	0.377916667	0.451666667	0.572916667	0.6525	0.66625	0.785	7.8125	10.90625
WV0050903	005	2004 to 2005	0.375909091	0.47	0.423636364	0.527272727	0.624090909	0.714545455	4.454545455	6.590909091

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0050903	006	2003 to 2004	0.162045455	0.232727273	0.463636364	0.599090909	0.127727273	0.158181818	23.34090909	35.45454545
WV0050903	006	2004 to 2005	0.221363636	0.27	0.737727273	1.034545455	0.18	0.240909091	16.06818182	21.36363636
WV0050903	009	2003 to 2004	0	0	0.08	0.08	0	0	0	0
WV0050903	009	2004 to 2005	0.02	0.02	0.075	0.09	0	0	2.75	5
WV0050911	001	2003 to 2004	0.0928	0.0928	0.4747	0.4747	0.1871	0.1871	5.95	5.95
WV0050911	001	2004 to 2005	0.106	0.127083333	0.743166667	0.8535	0.100333333	0.120166667	7.1875	9.166666667
WV0050920	001	2003 to 2004	0.1726	0.229	0.3829	0.5214	0.0549	0.0737	16.225	29.1
WV0050920	001	2004 to 2005	0.199916667	0.259416667	0.415166667	0.573833333	0.048833333	0.061583333	47.375	91.5
WV0050920	002	2003 to 2004	0.0761	0.0928	2.265	3.5237	0.0761	0.1136	5.325	8
WV0050920	002	2004 to 2005	0.094083333	0.1165	0.382583333	0.508583333	0.125083333	0.215083333	4.666666667	7.416666667
WV0050946	002	2003 to 2004	0.187	0.23	0.04	0.047		0	3.1	3.2
WV0050946	002	2004 to 2005	0.202222222	0.242222222	0.043333333	0.052222222			3.055555556	3.111111111
WV0050946	003	2003 to 2004	0.2175	0.2175	0.3725	0.3725	0.355	0.355	7.333333333	7.333333333
WV0050946	003	2004 to 2005	0.19	0.19	0.465	0.465	0.27	0.27		
WV0050946	004	2003 to 2004	0.199	0.232	0.093	0.119		0	3.15	3.3
WV0050946	004	2004 to 2005	0.212222222	0.243333333	0.134444444	0.194444444			3.111111111	3.222222222
WV0050946	010	2003 to 2004								
WV0050946	010	2004 to 2005	0.14	0.14	0.1	0.1	0.02	0.02		
WV0050946	018	2003 to 2004								
WV0050946	018	2004 to 2005	0.08	0.08	0.04	0.04	0.05	0.05		
WV0050946	020	2003 to 2004	0.205	0.205	0.43	0.43	0.13	0.13	3.666666667	3.666666667
WV0050946	020	2004 to 2005	0.2	0.2	0.335	0.335	0.1025	0.1025		
WV0050946	JENS02	2003 to 2004	0.21	0.21	0.11	0.11	0.05	0.05	3.333333333	3.333333333
WV0050946	JENS02	2004 to 2005	0.2	0.2	0.1	0.1	0.023333333	0.023333333		
WV0050946	JENS04	2003 to 2004	0.233333333	0.233333333	0.1	0.1	0.05	0.05	3.666666667	3.666666667
WV0050946	JENS04	2004 to 2005	0.153333333	0.153333333	0.083333333	0.083333333	0.013333333	0.013333333		
WV0050946	JENS05	2003 to 2004	0.28	0.28	0.336666667	0.336666667	0.07	0.07	3.333333333	3.333333333
WV0050946	JENS05	2004 to 2005	0.17	0.17	0.283333333	0.283333333	0.056666667	0.056666667		
WV0050946	JENS08	2003 to 2004	0.206666667	0.206666667	0.073333333	0.073333333	0.05	0.05	3	3
WV0050946	JENS08	2004 to 2005	0.21	0.21	0.16	0.16	0.026666667	0.026666667		
WV0051055	001	2003 to 2004	0.4	0.4	0.107	0.174			3.3	5
WV0051055	001	2004 to 2005	0.3365	0.3413	0.127916667	0.1675	0.163666667	0.23	3.958333333	6.666666667
WV0051101	001	2003 to 2004	0.595333333	0.595333333	0.597333333	0.597333333	0.349666667	0.349666667	9.666666667	9.666666667
WV0051101	001	2004 to 2005	0.3515	0.3515	0.246	0.246	0.772	0.772	15	15
WV0051101	003	2003 to 2004	0.277722222	0.488555556	0.071833333	0.113888889	0.386222222	0.558888889	34.55555556	50.22222222

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0051101	003	2004 to 2005	0.289583333	0.39675	0.0618625	0.09725	0.272958333	0.45125	108.7083333	184.3333333
WV0051179	001	2003 to 2004	0.22	0.22	0.506666667	0.506666667	0.046666667	0.046666667	8.666666667	8.666666667
WV0051179	001	2004 to 2005	0.05	0.05	0.8	0.8	0.07	0.07	23	23
WV0051179	004	2003 to 2004	0.781111111	0.953333333	0.493888889	0.57	0.356111111	0.408888889	5.916666667	8
WV0051179	004	2004 to 2005	0.856666667	1.086666667	0.833333333	1.006666667	0.433333333	0.693333333	10.58333333	13.33333333
WV0051179	006	2003 to 2004	0.427222222	0.527777778	0.158333333	0.213333333	0.335	0.438888889	5.166666667	6.666666667
WV0051179	006	2004 to 2005	0.553333333	0.716666667	0.3	0.413333333	0.596666667	0.713333333	10.25	13.33333333
WV0051179	007	2003 to 2004	2.036111111	2.906666667	0.202222222	0.255555556	1.206111111	1.857777778	12.44444444	18.11111111
WV0051179	007	2004 to 2005	1.336666667	2.013333333	0.283333333	0.363333333	1.483333333	2	12.5	15
WV0051314	001	2003 to 2004	0.665714286	0.774285714	0.456363636	0.559090909	0.595454545	0.66	9.235454545	11.36272727
WV0051314	001	2004 to 2005	0.127	0.153	0.217	0.257	0.19	0.219	8.966	12.033
WV0051314	004	2003 to 2004	0.663333333	0.666666667	0.873333333	0.873333333	0.576666667	0.576666667	28.11	28.11
WV0051314	004	2004 to 2005								
WV0051314	006	2003 to 2004	0.66	0.66	2.11	2.11	1.22	1.22	33.66	33.66
WV0051314	006	2004 to 2005								
WV0051381	002	2003 to 2004	1.028333333	1.3025	0.725	1.000833333	1.145	1.6	8	12.91666667
WV0051381	002	2004 to 2005	0.9075	1.073333333	1.034166667	1.51	1.404166667	1.973333333	10.83333333	16.66666667
WV0051381	003	2003 to 2004	1.837	2.156666667	1.724	1.994166667	1.248	1.4175	19.7	21.66666667
WV0051381	003	2004 to 2005	1.858333333	2.57	1.7875	2.253333333	1.608333333	2.0325	23.75	30.66666667
WV0051403	001	2003 to 2004	0.635	0.869	0.991111111	1.366666667	0.956	1.379	7.636363636	11.81818182
WV0051403	001	2004 to 2005	0.673	0.827272727	0.893	1.020909091	1.474	1.953636364	7.2	8.636363636
WV0051403	003	2003 to 2004								
WV0051403	003	2004 to 2005	1.286666667	1.884444444	0.323333333	0.436666667	0.963333333	1.441111111	7.666666667	13.44444444
WV0051519	010	2003 to 2004	1.245	1.55125	1.833333333	2.245	0.333333333	0.55375	23.5	37
WV0051519	010	2004 to 2005	0.843333333	0.933333333	1.96	2.09	0.623333333	0.623333333	24.66666667	28
WV0051616	015	2003 to 2004		0.33		0.6		0.02		8
WV0051616	015	2004 to 2005								
WV0051829	003	2003 to 2004	0.186666667	0.202222222	0.127777778	0.136666667	0.086666667	0.095555556	3.388888889	3.666666667
WV0051829	003	2004 to 2005	0.205454545	0.237272727	0.082727273	0.097272727	0.054545455	0.058181818	3.045454545	3.090909091
WV0051845	003	2003 to 2004								
WV0051845	003	2004 to 2005	0.5245	0.695	0.532	0.738	0.13125	0.144	46.25	67.25
WV0051845	101	2003 to 2004								
WV0051845	101	2004 to 2005	0.277	0.286666667	0.250283333	0.316666667	0.036166667	0.042333333	14.5	16
WV0051845	109	2003 to 2004	0.087666667	0.165083333	0.591025	0.7169	0.124275	0.143191667	4.416666667	6.583333333
WV0051845	109	2004 to 2005	0.113272727	0.125545455	1.028863636	1.195272727	0.253	0.280727273	5.0325	6.194818182

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0051942	002	2003 to 2004	0.319166667	0.425833333	1.795	2.4525	1.175	1.334166667	9.708333333	12.16666667
WV0051942	002	2004 to 2005	0.258333333	0.311666667	0.765833333	0.905833333	1.059166667	1.32	5.45	8
WV0052051	007	2003 to 2004	0.0781	0.094	0.3395	0.3903	0.1233	0.1625	5.55	9.5
WV0052051	007	2004 to 2005	0.19125	0.29075	0.60675	0.821416667	0.267166667	0.360833333	11.29166667	17.66666667
WV0052094	001	2003 to 2004	0.0655303	0.102272727	0.203560609	0.275454545	0.485303027	0.590909091	3.926136364	6
WV0052094	001	2004 to 2005	0.079772727	0.119545455	0.295454545	0.351363636	0.466818182	0.566363636	2.090909091	3.227272727
WV0052094	002	2003 to 2004	1.256666667	1.296666667	0.420833333	0.471666667	0.7	0.856666667	17.27083333	24.29166667
WV0052094	002	2004 to 2005	0.097142857	0.1065	0.172857143	0.174357143	0.054285714	0.054357143	4.464285714	5.357214286
WV0052094	004	2003 to 2004	0.26	0.26	0.25	0.25	0.84	0.84	13	13
WV0052094	004	2004 to 2005	0.23375	0.2475	0.24125	0.3075	0.21125	0.2625	4.1875	6.5
WV0052094	005	2003 to 2004	0.03	0.03	0.08	0.08	0	0	5	5
WV0052094	005	2004 to 2005	0.41	0.650125	0.18875	0.240125	0.055	0.077625	22.9375	38.250125
WV0052248	017	2003 to 2004	0.212142857	0.235285714	0.323428571	0.360571429	0.072857143	0.081428571	8.357142857	9.428571429
WV0052248	017	2004 to 2005	0.154666667	0.227833333	0.275583333	0.366333333	0.07475	0.0895	6	9.5
WV0052248	029	2003 to 2004	0.320833333	0.524833333	0.446666667	0.623666667	0.085166667	0.122666667	20.33333333	36
WV0052248	029	2004 to 2005	0.071222222	0.077888889	0.741	0.982888889	0.109888889	0.143666667	6.277777778	9.333333333
WV0052256	001	2003 to 2004								
WV0052256	001	2004 to 2005	0.48	0.566666667	0.518888889	0.681111111	0.302222222	0.425555556	8.888888889	13
WV0052426	001	2003 to 2004	0.434166667	0.5775	0.333333333	0.474166667	0.285833333	0.368333333	9.833333333	14.5
WV0052426	001	2004 to 2005	0.2875	0.375	0.254166667	0.328333333	0.316666667	0.389166667	9.083333333	12.33333333
WV0052426	002	2003 to 2004	0.541	0.672	0.174	0.193	0.186	0.226	4.5	4.8
WV0052426	002	2004 to 2005	0.338571429	0.414285714	0.08	0.115714286	0.205714286	0.252857143	6	6.857142857
WV0052426	003	2003 to 2004	1.17	1.522	0.187	0.235	0.226	0.296	15.7	21
WV0052426	003	2004 to 2005	0.8875	1.23125	0.1575	0.19375	0.16	0.2025	13.875	17.5
WV0052426	033	2003 to 2004	0.3375	0.471666667	0.098333333	0.135	0.111666667	0.170833333		
WV0052426	033	2004 to 2005	0.195833333	0.309166667	0.065	0.088333333	0.115833333	0.165833333		
WV0052426	037	2003 to 2004	0.558333333	0.775833333	0.255	0.318333333	0.341666667	0.5875		7.166666667
WV0052426	037	2004 to 2005	0.365833333	0.493333333	1.2725	1.429166667	0.514166667	0.748333333		14.33333333
WV0052426	045	2003 to 2004	0.3825	0.514166667	0.0875	0.1225	0.145	0.265833333	4.333333333	4.666666667
WV0052426	045	2004 to 2005	0.203333333	0.3075	0.061666667	0.083333333	0.105	0.149166667	8.5	11.83333333
WV0052515	003	2003 to 2004	0.03	0.05	0	0	0	0	39.5	79
WV0052515	003	2004 to 2005								
WV0052515	005	2003 to 2004			0	0	0	0	0	0
WV0052515	005	2004 to 2005								
WV0052531	004	2003 to 2004	0.313958333	0.3875	1.633333333	1.740833333		0	4.145833333	4.833333333



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0052531	004	2004 to 2005	0.226666667	0.260833333	1.258333333	1.435			3.916666667	4.333333333
WV0052710	001	2003 to 2004	0.185	0.185	0.325	0.325	0.07	0.07	0	0
WV0052710	001	2004 to 2005	0.14025	0.167	0.499	0.601	0.14275	0.175	5.475	7.05
WV0052710	003	2003 to 2004	0.193636364	0.193636364	0.188181818	0.188181818		0	3.454545455	3.454545455
WV0052710	003	2004 to 2005	0.065625	0.10125	0.154375	0.260416667	0.08125	0.119166667	7.604166667	11.95833333
WV0052710	004	2003 to 2004	0.035	0.035	0.235	0.235	0.06	0.06	0	0
WV0052710	004	2004 to 2005	0.02875	0.042083333	0.184791667	0.2125	0.088541667	0.096666667	6.416666667	7.792125
WV0052728	001	2003 to 2004		0	0.37	0.37	0.055	0.055	3	3
WV0052728	001	2004 to 2005								
WV0052728	DSCR	2003 to 2004	0.37	0.37	0.16	0.16	0.07	0.07		0
WV0052728	DSCR	2004 to 2005								
WV0052833	001	2003 to 2004	0.1466	0.1466	0.4363	0.4363	0.1749	0.1749	6	6
WV0052833	001	2004 to 2005	0.090555556	0.090555556	0.312	0.312	0.256444444	0.256444444	6.444444444	6.444444444
WV0052973	005	2003 to 2004	2.545454545	3.470909091	0.774545455	1.119090909	0.92	1.225454545	11.72727273	17.09090909
WV0052973	005	2004 to 2005	1.715	2.135	0.469166667	0.705833333	0.648333333	0.9775	7.833333333	10.16666667
WV0053091	004	2003 to 2004	0.361666667	0.440833333	0.370833333	0.524166667	0.483333333	0.645	8.333333333	11.66666667
WV0053091	004	2004 to 2005	0.291666667	0.41	0.544166667	0.645	1.144166667	1.498333333	12.16666667	19
WV0053121	014	2003 to 2004	0.23125	0.3025	0.17875	0.259166667	0.1165	0.158	5.041666667	7.083333333
WV0053121	014	2004 to 2005	0.279166667	0.331666667	0.214166667	0.27	0.111666667	0.125833333	6.9725	12.91666667
WV0053121	015	2003 to 2004	0.23	0.305833333	0.284583333	0.374166667			3.583333333	4.083333333
WV0053121	015	2004 to 2005	0.251666667	0.314166667	0.275833333	0.371666667	0.073333333	0.08	8.555833333	16.58333333
WV0053121	017	2003 to 2004	0.182083333	0.220833333	0.065	0.0875			3	3
WV0053121	017	2004 to 2005	0.232727273	0.267272727	0.072727273	0.088181818	0.026666667	0.026666667	3.045454545	3.090909091
WV0053121	019	2003 to 2004	0.165	0.175	0.674	0.68	0.19	0.19	3	3
WV0053121	019	2004 to 2005	0.166666667	0.183333333	0.763333333	0.796666667	0.19	0.2	4.5	5
WV0053121	060	2003 to 2004	0.209090909	0.249090909	0.579090909	0.652727273			7.136363636	10.27272727
WV0053121	060	2004 to 2005	0.284444444	0.308888889	0.383333333	0.448888889	0.025	0.03	5.444444444	6.111111111
WV0053121	DSGR60	2003 to 2004	0.33	0.396666667	1.25	2.31	0.09	0.09	3	3
WV0053121	DSGR60	2004 to 2005	0.388333333	0.521666667	0.350833333	0.5075	0.072	0.094	4	4
WV0053121	DSLB15	2003 to 2004	0.32	0.41	0.193333333	0.216666667	0.32	0.32	3	3
WV0053121	DSLB15	2004 to 2005	0.301666667	0.404166667	0.280833333	0.415833333	0.068888889	0.09	17	17
WV0053121	USGR17	2003 to 2004	0.326666667	0.396666667	0.213333333	0.246666667	0.1	0.1	3	3
WV0053121	USGR17	2004 to 2005	0.375833333	0.474166667	0.310833333	0.424166667	0.072	0.093	4.75	4.75
WV0053121	USLB62	2003 to 2004	0.326666667	0.436666667	0.233333333	0.253333333	0.18	0.18	3	3
WV0053121	USLB62	2004 to 2005	0.374166667	0.5125	0.455833333	0.685	0.147	0.193	3.25	3.25

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0053155	001	2003 to 2004	0.433333333	0.510833333	0.134166667	0.148333333	0.025833333	0.035	4	4
WV0053155	001	2004 to 2005	0.24	0.243636364	0.177272727	0.178181818	0.023636364	0.023636364	5.272727273	5.272727273
WV0053163	001	2003 to 2004	0.3825	0.541666667	0.1425	0.204166667	0.061666667	0.0875	6	7.166666667
WV0053163	001	2004 to 2005	0.253333333	0.325	0.145833333	0.16	0.055833333	0.069166667	6.25	7.333333333
WV0053163	002	2003 to 2004	0.455833333	0.6425	1.306666667	1.97	0.193333333	0.271666667	9.666666667	13.5
WV0053163	002	2004 to 2005	0.271666667	0.418333333	0.805833333	1.059166667	0.179166667	0.2375	9.916666667	14.33333333
WV0053163	003	2003 to 2004	0.462222222	0.554444444	0.574444444	0.972222222	0.057777778	0.085555556	13.66666667	22.66666667
WV0053163	003	2004 to 2005	0.379090909	0.558181818	0.357272727	0.538181818	0.052727273	0.063636364	6.909090909	9.636363636
WV0053163	004	2003 to 2004			0.1475	0.255	0.0625	0.265		
WV0053163	004	2004 to 2005			0.17	0.384	0.022	0.032		
WV0053171	001	2003 to 2004	0.320833333	0.409166667	0.2175	0.334166667	0.104166667	0.159166667	6.083333333	8
WV0053171	001	2004 to 2005	0.31	0.436666667	0.243333333	0.32	0.156666667	0.193333333	5.666666667	7.333333333
WV0053171	002	2003 to 2004	0.395	0.613333333	0.191666667	0.3025	0.116666667	0.200833333	4.25	4.5
WV0053171	002	2004 to 2005	0.254	0.338	0.142	0.186	0.018	0.018	5.2	5.2
WV0053171	008	2003 to 2004	0.450833333	0.7475	0.524166667	0.871666667	0.038333333	0.058333333	8.833333333	15.83333333
WV0053171	008	2004 to 2005	0.339	0.499	0.356	0.561	0.019	0.026	13.4	21.2
WV0053171	009	2003 to 2004	0.554166667	0.874166667	0.414166667	0.6975	0.115833333	0.169166667	16.41666667	26.16666667
WV0053171	009	2004 to 2005	0.4925	0.6375	0.42	0.7275	0.06625	0.08125	14.25	24.75
WV0053171	014	2003 to 2004	0.62	0.62	0.16	0.16	0.02	0.02	4	4
WV0053171	014	2004 to 2005								
WV0053171	015	2003 to 2004	1.3	1.3	1.55	1.55	0.3	0.3	4	4
WV0053171	015	2004 to 2005	0.26	0.26	0.08	0.08	0.01	0.01	4	4
WV0053171	017	2003 to 2004	0.383333333	0.428888889	0.181111111	0.228888889	0.047777778	0.066666667	4.222222222	4.444444444
WV0053171	017	2004 to 2005	0.232222222	0.293333333	0.05	0.06	0.022222222	0.03	3.888888889	4
WV0053171	022	2003 to 2004	2.33	2.33	0.18	0.18	0.01	0.01	10	10
WV0053171	022	2004 to 2005	0.215	0.215	0.835	0.835	0.05	0.05	7	7
WV0053171	025	2003 to 2004	0.4	0.4	1.06	1.06	0.03	0.03	4	4
WV0053171	025	2004 to 2005								
WV0053171	026	2003 to 2004	0.59	0.59	0.32	0.32	0.015	0.015	5	5
WV0053171	026	2004 to 2005	0.215	0.215	0.145	0.145	0.025	0.025	4	4
WV0053171	028	2003 to 2004	0.685	0.685	0.215	0.215	0.025	0.025	5	5
WV0053171	028	2004 to 2005	0.28	0.28	0.27	0.27	0.073333333	0.073333333	5.333333333	5.333333333
WV0053171	029	2003 to 2004	0.49	0.49	0.13	0.13	0.01	0.01	4	4
WV0053171	029	2004 to 2005								
WV0053171	036	2003 to 2004	0.306666667	0.400833333	0.114166667	0.146666667	0.05	0.08	4.25	4.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0053171	036	2004 to 2005	0.275	0.361666667	0.16	0.253333333	0.048333333	0.075	4.666666667	5
WV0053171	044	2003 to 2004	0.63	0.63	0.5	0.5	0.02	0.02	4	4
WV0053171	044	2004 to 2005	0.07	0.07	0.13	0.13	0.05	0.05	4	4
WV0053180	001	2003 to 2004			0.369166667	0.618333333	0.170833333	0.256666667	7.333333333	12.16666667
WV0053180	001	2004 to 2005			0.303333333	0.426666667	0.235833333	0.270833333	4.416666667	5
WV0053210	001	2003 to 2004	0.935	0.973	1.156	1.3	0.109	0.117	21.8	26.2
WV0053210	001	2004 to 2005	0.47	0.47	0.143333333	0.143333333	0.068333333	0.068333333	19	19
WV0053210	002	2003 to 2004	0.26	0.26	0.151428571	0.151428571	0.064285714	0.064285714	4	4
WV0053210	002	2004 to 2005	0.335	0.335	0.29375	0.29375	0.08625	0.08625	7.5	7.5
WV0053210	003	2003 to 2004	0.3725	0.3725	0.16	0.16	0.015	0.015	4	4
WV0053210	003	2004 to 2005	0.211428571	0.211428571	0.528571429	0.528571429	0.087142857	0.087142857	8.285714286	8.285714286
WV0053210	004	2003 to 2004	0.305	0.305	0.1	0.1	0.055	0.055	6.5	6.5
WV0053210	004	2004 to 2005	0.33875	0.34375	0.34125	0.35	0.025	0.025	9.25	9.75
WV0053210	008	2003 to 2004	0.51625	0.51625	0.145	0.145	0.01125	0.01125	6	6
WV0053210	008	2004 to 2005	0.137272727	0.142727273	0.091818182	0.092727273	0.015454545	0.015454545	23.54545455	23.81818182
WV0053236	001	2003 to 2004	0.14125	0.185	0.22375	0.325833333	0.207083333	0.33	8.270833333	8.708333333
WV0053236	001	2004 to 2005	0.235	0.2775	0.223333333	0.293333333	0.123333333	0.139166667	8	11.33333333
WV0053236	002	2003 to 2004	0.114583333	0.1625	0.179166667	0.255833333	0.10625	0.145	7.979166667	11.08333333
WV0053236	002	2004 to 2005	0.23	0.288333333	0.308333333	0.3975	0.179166667	0.213333333	8.729166667	12.29166667
WV0053236	004	2003 to 2004								
WV0053236	004	2004 to 2005	0.48	0.5	0.596666667	0.616666667	0.413333333	0.416666667	16.83333333	19
WV0053333	001	2003 to 2004	0.165	0.225	0.0975	0.1475	0.0675	0.1325	3	3.1675
WV0053333	001	2004 to 2005								
WV0053333	002	2003 to 2004	0.186	0.256	0.094	0.152	0.042	0.078	3.5	4
WV0053333	002	2004 to 2005								
WV0053929	001	2003 to 2004	0.14	0.19125	0.325	0.3775	0.05375	0.06375	11.5	12.5
WV0053929	001	2004 to 2005	0.086666667	0.1	0.611111111	0.953333333	0.113333333	0.168888889	12.27777778	18.66666667
WV0053929	002	2003 to 2004	0.06875	0.0875	0.765	0.91125	0.043125	0.0625	6.5	7.75
WV0053929	002	2004 to 2005	0.094444444	0.115555556	1.432222222	1.874444444	0.131111111	0.193333333	4.444444444	5.666666667
WV0055433	002	2003 to 2004	0.157954545	0.160909091	0.108181818	0.108181818	0.215227273	0.219090909	6.096590909	8.079545455
WV0055433	002	2004 to 2005	0.108181818	0.108181818	0.095454545	0.095454545	0.15	0.15	1.727272727	1.727272727
WV0055433	300	2003 to 2004	0.032777778	0.032777778	0.037222222	0.037222222	0.029444444	0.029444444	1.763888889	1.763888889
WV0055433	300	2004 to 2005	0.018636364	0.018636364	0.067727273	0.067727273	0.043636364	0.043636364	1.136363636	1.136363636
WV0055433	301	2003 to 2004	0.297045455	0.302727273	0.101818182	0.102272727	0.196590909	0.2	3.704545455	3.704545455
WV0055433	301	2004 to 2005	0.146818182	0.146818182	0.095909091	0.095909091	0.135	0.135	1.363636364	1.363636364

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0056006	001	2003 to 2004	0.340416667	0.453333333	0.322916667	0.40625	1.175	1.485	2.645833333	4.166666667
WV0056006	001	2004 to 2005	0.421363636	0.569090909	0.475454545	0.628181818	1.130454545	1.412727273	5.727272727	8.272727273
WV0056006	002	2003 to 2004	0.5025	0.770833333	0.496666667	0.693333333	0.461666667	0.579166667	9.125	15.41666667
WV0056006	002	2004 to 2005	0.29625	0.3775	0.27625	0.57	0.43625	0.5225	14.8125	26.125
WV0056006	009	2003 to 2004	0.29	0.29	0.44	0.44	0.053333333	0.053333333	1.666666667	1.666666667
WV0056006	009	2004 to 2005								
WV0056006	020	2003 to 2004								
WV0056006	020	2004 to 2005	7.25	11.9	10.08	16.4	0.88	1.1	319	518
WV0056006	023	2003 to 2004								
WV0056006	023	2004 to 2005	0.12375	0.15	0.20625	0.23	0.0475	0.05	5.4375	5.75
WV0056006	024	2003 to 2004								
WV0056006	024	2004 to 2005	0.017857143	0.017857143	0.097142857	0.093571429	0.015714286	0.015	1.071428571	1.071428571
WV0056111	001	2003 to 2004	0.4	0.4	0.885	1.12	1.813333333	2.215714286	12.33333333	15.85714286
WV0056111	001	2004 to 2005	0.4	0.4	0.205	0.303333333	0.363333333	0.7	8.166666667	10.66666667
WV0056227	001	2003 to 2004	0.100555556	0.143888889	0.943333333	1.175555556	0.175	0.223333333	3.777777778	6.666666667
WV0056227	001	2004 to 2005								
WV0056332	001	2003 to 2004								
WV0056332	001	2004 to 2005	0.1	0.19	1.25	1.29	0.21	0.24	3	4
WV0056332	002	2003 to 2004	0.264444442	0.363333333	0.192083333	0.290416667	0.433055558	0.5625	3.541666667	5.239583333
WV0056332	002	2004 to 2005	0.251875	0.363333333	0.234166667	0.338333333	0.591666667	0.836666667	2.895833333	3.916666667
WV0056332	003	2003 to 2004	0.077083333	0.105833333	0.077708333	0.092916667	0.014166667	0.018333333	3.515625	5.739583333
WV0056332	003	2004 to 2005	0.031875	0.0425	0.033958333	0.045416667	0.012291667	0.016666667	2.520833333	3.833333333
WV0056332	004	2003 to 2004	0.188333333	0.3025	0.112708333	0.147083333	0.088541667	0.104166667	3.114583333	4.78125
WV0056332	004	2004 to 2005	0.467708333	0.895	0.157083333	0.237083333	0.100208333	0.139583333	5.6875	9.208333333
WV0056332	005	2003 to 2004	0.323125	0.4575	0.815833333	1.272916667	0.65875	0.988333333	6.963541667	10
WV0056332	005	2004 to 2005	0.05875	0.073333333	0.21375	0.307083333	0.229375	0.352083333	2.125	3.166666667
WV0056332	007	2003 to 2004	0.098541667	0.159166667	0.423958333	0.67875	0.133333333	0.242083333	8.635416667	12.15625
WV0056332	007	2004 to 2005	0.146041667	0.160833333	0.271666667	0.43875	0.023958333	0.03125	7.354166667	13.625
WV0056405	001	2003 to 2004	0.428	0.567	0.157	0.208	0.188	0.241	11.63636364	15.09090909
WV0056405	001	2004 to 2005	0.239166667	0.3675	0.1925	0.248333333	0.1525	0.1775	16.58333333	22.66666667
WV0056405	002	2003 to 2004	0.436	0.594	0.251	0.317	0.18	0.246	15.72727273	19.63636364
WV0056405	002	2004 to 2005	0.300833333	0.439166667	0.323333333	0.410833333	0.188333333	0.221666667	18.08333333	22.83333333
WV0056405	003	2003 to 2004	0.438888889	0.668888889	0.222222222	0.288888889	0.132222222	0.172222222	10.18181818	13.81818182
WV0056405	003	2004 to 2005	0.383333333	0.59	0.384166667	0.5325	0.3375	0.436666667	23.91666667	31.5
WV0056405	011	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0056405	011	2004 to 2005	0.08	0.08	0.163333333	0.163333333	0.01	0.01	19.33333333	19.33333333
WV0056430	001	2003 to 2004								
WV0056430	001	2004 to 2005	0.373333333	0.38	0.753333333	0.833333333	0.453333333	0.47	15	15
WV0056430	003	2003 to 2004								
WV0056430	003	2004 to 2005	0.46625	0.5425	0.970125	1.168875	0.33	0.48875	9.367142857	14.16285714
WV0056430	DIR-1	2003 to 2004	0.023333333	0.03	0.663333333	0.923333333	0.583333333	0.74		
WV0056430	DIR-1	2004 to 2005	0.318333333	0.365	0.961666667	1.258333333	0.45	0.525		
WV0056472	003	2003 to 2004	0.918888889	1.138888889	0.544	0.696	0.39	0.483	9.25	10.966
WV0056472	003	2004 to 2005								
WV0056472	004	2003 to 2004	0.94	1.75	0.77	0.97	0.34	0.4	7	8
WV0056472	004	2004 to 2005								
WV0056634	001	2003 to 2004	0.205	0.24	0.14125	0.164166667	0	0.16	2.166666667	2.333333333
WV0056634	001	2004 to 2005	0.18125	0.229166667	0.178333333	0.224166667			3.166666667	3.333333333
WV0056634	002	2003 to 2004	0.247727273	0.304545455	0.092272727	0.117272727	0.055	0.06	2.045454545	2.045454545
WV0056634	002	2004 to 2005	0.237083333	0.305833333	0.168333333	0.24			3.083333333	3.166666667
WV0056693	007	2003 to 2004	0.043333333	0.064166667	0.2325	0.304166667	0.05	0.067083333	2.651041667	3.5625
WV0056693	007	2004 to 2005	0.09	0.150416667	0.230833333	0.340833333	0.063125	0.088333333	6.854166667	12.45833333
WV0056693	012	2003 to 2004	0.154583333	0.204166667	1.199166667	1.99	0.267083333	0.4225	3.53125	5.875
WV0056693	012	2004 to 2005	0.135833333	0.20125	1.097083333	1.5825	0.221666667	0.338333333	8.791666667	15.83333333
WV0056693	013	2003 to 2004								
WV0056693	013	2004 to 2005	0.79	0.79	5.14	5.14	0.89	0.89	41	41
WV0056693	015	2003 to 2004	0.16	0.259166667	0.135416667	0.250833333	0.051666667	0.078333333	3.447916667	5.375
WV0056693	015	2004 to 2005	0.13875	0.215	0.183333333	0.283333333	0.0375	0.059166667	3.583333333	4.833333333
WV0056693	018	2003 to 2004	0.4975	0.711	2.3735	2.87	3.7335	4.22	6.00625	9.275
WV0056693	018	2004 to 2005	0.395909091	0.427272727	0.916818182	1.386363636	1.965909091	2.452727273	7.681818182	12.5
WV0056693	020	2003 to 2004	0.467916667	0.521666667	0.06625	0.100833333	0.83375	1.163333333	4.515625	7.302083333
WV0056693	020	2004 to 2005	0.37	0.407272727	0.032954545	0.040909091	0.695909091	0.840909091	1.863636364	2.272727273
WV0056693	021	2003 to 2004	0.215	0.215	0.506	0.506	0.152	0.152	56.55	56.55
WV0056693	021	2004 to 2005	0.0865	0.088	0.1045	0.108	0.019	0.019	4.3	4.3
WV0056693	022	2003 to 2004	0.17	0.17	0.53	0.53	0.37	0.37	1980.5	1980.5
WV0056693	022	2004 to 2005	0.45	0.45	0.1	0.1	0	0	0	0
WV0056693	023	2003 to 2004	0	0	0	0	0	0	0	0
WV0056693	023	2004 to 2005	0.64	0.64	0	0	0.38	0.38	4	4
WV0056693	025	2003 to 2004	0.059722222	0.092222222	0.115277778	0.158888889	0.058333333	0.067777778	3.083333333	4.013888889
WV0056693	025	2004 to 2005	0.0346875	0.04875	0.2528125	0.266875	0.0653125	0.07375	1.46875	2

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0056774	002	2003 to 2004								
WV0056774	002	2004 to 2005	1.38	1.38	1.23	1.23	0.7	0.7	2	2
WV0057011	009	2003 to 2004		0	0.223333333	0.236666667	0.063333333	0.063333333	3	3
WV0057011	009	2004 to 2005			0.1375	0.16	0.0725	0.0725	3	3
WV0057011	014	2003 to 2004								
WV0057011	014	2004 to 2005			0.2	0.2	0.12	0.12	3	3
WV0057011	016	2003 to 2004			0.05	0.05	0.05	0.05	3	3
WV0057011	016	2004 to 2005			0.08	0.08	0.03	0.03	3	3
WV0057011	018	2003 to 2004								
WV0057011	018	2004 to 2005			0.067142857	0.087142857	0.022857143	0.025714286	3.071428571	3.142857143
WV0057126	001	2003 to 2004	0.184545455	0.251818182	0.17	0.231818182	0.054545455	0.080909091	5.544545455	7.393636364
WV0057126	001	2004 to 2005	0.079166667	0.125	0.115833333	0.161666667	0.0275	0.040833333	4.033333333	5.200833333
WV0057126	002	2003 to 2004	0.125	0.161666667	0.126666667	0.17	0.040833333	0.063333333	4.611666667	5.860833333
WV0057126	002	2004 to 2005	0.0525	0.076666667	0.0725	0.075833333	0.02	0.0275	4.138333333	4.611666667
WV0057126	004	2003 to 2004								
WV0057126	004	2004 to 2005	0.03	0.03	0.07	0.07	0.01	0.01	3	3
WV0057126	016	2003 to 2004	0.123333333	0.146666667	0.076666667	0.088333333	0.051666667	0.058333333	4.25	5.221666667
WV0057126	016	2004 to 2005	0.035	0.04	0.075	0.075	0.035	0.065	3.835	3.835
WV0057126	024	2003 to 2004	0.128333333	0.135	0.158333333	0.165	0.015	0.016666667	7.473333333	7.721666667
WV0057126	024	2004 to 2005	0.035	0.0375	0.0725	0.0725	0.0225	0.0225	3.875	4.5
WV0057797	001	2003 to 2004	0.466666667	0.533333333	0.485	0.7675	0.0275	0.04	19.25	27.25
WV0057797	001	2004 to 2005								
WV0058238	001	2003 to 2004	0.383333333	0.396666667	0.27	0.32	0.156666667	0.173333333	6.9	7.9
WV0058238	001	2004 to 2005								
WV0058238	002	2003 to 2004	0.2775	0.434166667	0.313333333	0.435	0.099166667	0.139166667	8.275833333	10.99666667
WV0058238	002	2004 to 2005	0.226666667	0.340833333	0.404166667	0.610833333	0.084166667	0.1	9.0125	11.24666667
WV0058246	001	2003 to 2004	0.06875	0.07375	0.49	0.586666667	0.061111111	0.078888889	6.066666667	8.332222222
WV0058246	001	2004 to 2005	0.032	0.035	0.219	0.268	0.043	0.051	5.213	6.793
WV0058513	002	2003 to 2004	0.1355	0.209	0.3211	0.4363	0.089	0.1054	5.5	9.7
WV0058513	002	2004 to 2005	0.06	0.06	0.1095	0.1095	0.0255	0.0255	1	1
WV0058513	031	2003 to 2004	0.165428571	0.187857143	0.274714286	0.328142857	0.050857143	0.057857143	6.428571429	8.428571429
WV0058513	031	2004 to 2005	0.19325	0.1975	0.38175	0.387	0.16925	0.17075	8.75	8.75
WV0058513	111	2003 to 2004	0.1721	0.2606	0.53	0.7448	0.2923	0.3961	5.5	8.4
WV0058513	111	2004 to 2005	0.090333333	0.118916667	0.25325	0.337666667	0.096666667	0.153083333	4.72225	8
WV0058521	001	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0058521	001	2004 to 2005	0.18	0.18	0.52	0.52	0.59	0.59	21	21
WV0058521	002	2003 to 2004								
WV0058521	002	2004 to 2005	0.705	0.705	0.645	0.645	0.49	0.49	8	8
WV0058955	002	2003 to 2004	0.1395	0.181	0.76	0.88	0.106	0.136	17	21.1
WV0058955	002	2004 to 2005	0.1525	0.179166667	0.63	0.766666667	0.093333333	0.1125	18.86666667	23.1
WV0059242	002	2003 to 2004	0.13075	0.15075	0.54025	0.5915	0.512	0.57325	24.5	25.5
WV0059242	002	2004 to 2005								
WV0060097	001	2003 to 2004								
WV0060097	001	2004 to 2005	0.388333333	0.49	0.315	0.386666667	0.436666667	0.446666667	15.75	28
WV0060097	002	2003 to 2004	0.0725	0.075	0.065	0.07	0.035	0.04	0	2.75
WV0060097	002	2004 to 2005	0.064285714	0.077857143	0.078571429	0.089285714	0.038214286	0.047857143	1.857142857	1.857142857
WV0060097	008	2003 to 2004	0.098125	0.105	0.0925	0.1	0.066875	0.07625	3.796875	4.546875
WV0060097	008	2004 to 2005	0.041071429	0.060714286	0.058214286	0.087857143	0.045	0.061428571	1.714285714	2.5
WV0060143	001	2003 to 2004	0.21375	0.24125	0.3575	0.555	0.02375	0.02875	5.5	6.375
WV0060143	001	2004 to 2005								
WV0060160	001	2003 to 2004	0.323333333	0.440833333	0.55	0.853333333	0.1025	0.211666667	8.665833333	11.24833333
WV0060160	001	2004 to 2005	0.235	0.354166667	0.433333333	0.651666667	0.075833333	0.125	18.08333333	25.38833333
WV0060194	002	2003 to 2004	0.0942	0.1194	0.6044	0.7359	0.3947	0.5103	3.8	5.25
WV0060194	002	2004 to 2005	0.120833333	0.181166667	0.64525	0.925583333	0.173333333	0.305333333	5.166666667	8
WV0060194	004	2003 to 2004	0.152857143	0.166428571	0.262714286	0.449285714	0.434428571	0.775142857	5.369	8
WV0060194	004	2004 to 2005	0.10725	0.149166667	0.31675	0.418416667	0.13425	0.2285	5.291666667	7.5
WV0060194	101	2003 to 2004	0.3	0.3	0.07	0.07	0.01	0.01	5	5
WV0060194	101	2004 to 2005								
WV0060259	001	2003 to 2004	0.519333333	0.660333333	0.125125	0.14025	1.137	1.317416667	3.958333333	4.583333333
WV0060259	001	2004 to 2005	0.79745	1.0639	0.084485	0.1197	1.04605	1.2402	4.2215	5.18575
WV0060372	001	2003 to 2004	1.18	1.557	1.072	1.45	1.418	2.019	16.8	23.2
WV0060372	001	2004 to 2005	1.1175	1.519166667	0.999166667	1.478333333	1.0525	1.409166667	15.66666667	22
WV0060372	002	2003 to 2004	0.499166667	0.629166667	1.478333333	2.006666667	1.606666667	2.391666667	11.5	16.16666667
WV0060372	002	2004 to 2005	0.5575	0.674166667	1.865833333	2.365833333	1.540833333	1.798333333	13.83333333	17
WV0060372	007	2003 to 2004								
WV0060372	007	2004 to 2005	3.06	3.06	0.6	0.6	1.24	1.24	31	31
WV0060674	006	2003 to 2004	0.4	0.442857143	0.25	0.818571429	0.13	0.234285714	10.5	9.428571429
WV0060674	006	2004 to 2005	0.4	0.4	1.01	1.566666667	0.64	0.815833333	8.083333333	11.25
WV0060674	007	2003 to 2004								
WV0060674	007	2004 to 2005		0.4		0.22		0.02		6

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0060674	008	2003 to 2004	1.95	1.65	0.285	0.414545455	2.33	1.65	14.75	11.27272727
WV0060674	008	2004 to 2005	0.4	0.4	0.24	0.21	0.03	0.04	7	7
WV0060674	009	2003 to 2004		0.4		1.02		0.35		1
WV0060674	009	2004 to 2005	0.4	0.4	0.153636364	0.203333333	0.095909091	0.124166667	4.590909091	5.75
WV0060674	011	2003 to 2004		0.4		0.08		0.05		5
WV0060674	011	2004 to 2005		0.4		0.32		0.03		1
WV0060801	004	2003 to 2004	0.09	0.108333333	0.031666667	0.033333333	0.024166667	0.035	5.583333333	7.666666667
WV0060801	004	2004 to 2005	0.115833333	0.173333333	0.040833333	0.050833333	0.020833333	0.026666667	11.16666667	16.08333333
WV0060801	010	2003 to 2004								
WV0060801	010	2004 to 2005	0.148	0.148	0.056	0.066	0.092	0.098	6.2	6.2
WV0060801	012	2003 to 2004	0.106666667	0.1275	0.701666667	0.846666667	0.709166667	0.899166667	7.083333333	8.333333333
WV0060801	012	2004 to 2005	0.1425	0.2125	1.525	1.895	1.579166667	1.873333333	12.58333333	16.41666667
WV0060801	013	2003 to 2004	0.105555556	0.13	0.126666667	0.14	0.03	0.037777778	4.444444444	5.666666667
WV0060801	013	2004 to 2005	0.084166667	0.106666667	0.105833333	0.140833333	0.056666667	0.089166667	5.416666667	8.083333333
WV0060801	026	2003 to 2004								
WV0060801	026	2004 to 2005	0.215	0.25	0.05	0.055	0.08	0.09	9.5	10
WV0060801	045	2003 to 2004	0.089166667	0.115	0.085	0.096666667	0.515833333	0.64	4.833333333	6.166666667
WV0060801	045	2004 to 2005	0.090833333	0.1225	0.114166667	0.145	0.593333333	0.7	5.166666667	6.333333333
WV0060801	046	2003 to 2004	0.5175	0.716666667	0.083333333	0.1075	0.7425	0.881666667	5.166666667	6.583333333
WV0060801	046	2004 to 2005	0.3425	0.4475	0.101666667	0.191666667	0.448333333	0.529166667	4.666666667	5.833333333
WV0061336	002	2003 to 2004	0.230833333	0.293125	0.564166667	0.584375	1.133333333	1.115	13.66666667	15.5
WV0061336	002	2004 to 2005	0.102777778	0.115	0.105	0.105	0.705555556	0.807777778	17.66666667	22.55555556
WV0061336	003	2003 to 2004	0.231111111	0.27	0.215555556	0.35	0.158888889	0.193333333	8.722222222	13.38888889
WV0061336	003	2004 to 2005	0.068125	0.078125	0.1125	0.12875	0.07625	0.135625	5.75	7.875
WV0061336	006	2003 to 2004		0.4		0.43		0.06		3
WV0061336	006	2004 to 2005								
WV0061336	DSG	2003 to 2004	0.49	0.79	0.815	1.475	0.08	0.13	26.75	47.75
WV0061336	DSG	2004 to 2005	0.03	0.06	0	0	0.02	0.02	8	10
WV0061336	DSUTWB	2003 to 2004	0.5075	0.86	0.66375	1.0075	0.1875	0.205	16.625	24.375
WV0061336	DSUTWB	2004 to 2005	0.2	0.33375	0.22875	0.34375	0.10625	0.1375	17.3125	30.125
WV0061336	USG	2003 to 2004	1.03	1.75	1.8	3.36	0.12	0.21	49	80
WV0061336	USG	2004 to 2005								
WV0061336	USUTWB	2003 to 2004	1.59	2.96	0.76125	1.2525	0.1925	0.2175	35.75	55.75
WV0061336	USUTWB	2004 to 2005	0.26375	0.46875	0.2875	0.46625	0.08875	0.11625	29.25	50.75
WV0061646	001	2003 to 2004								



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0061646	001	2004 to 2005	0.05	0.05	0.07	0.07	0.05	0.05	3	3
WV0061646	003	2003 to 2004	0.2025	0.2925	0.465	0.534166667	0.651666667	0.716666667	4.874166667	5.694166667
WV0061646	003	2004 to 2005	0.06	0.065555556	0.184444444	0.24	0.236666667	0.316666667	5.24	5.37
WV0061671	001	2003 to 2004	0.148125	0.180833333	0.338333333	0.390833333	0.52	0.638333333	3.640625	4.645833333
WV0061671	001	2004 to 2005	0.115	0.154166667	0.273333333	0.331666667	0.439166667	0.536666667	2.75	4.291666667
WV0061671	002	2003 to 2004								
WV0061671	002	2004 to 2005	0.241666667	0.303333333	0.074166667	0.08	1.84	1.93	1.5	1.833333333
WV0061671	003	2003 to 2004	0.113181818	0.146363636	0.173863636	0.214545455	0.061818182	0.076363636	11.01136364	18.45454545
WV0061671	003	2004 to 2005	0.16325	0.251	0.37675	0.544	0.165	0.227	10.025	15.9
WV0061671	005	2003 to 2004	0.174166667	0.286666667	0.179583333	0.261666667	0.078958333	0.115	7.984375	14.13541667
WV0061671	005	2004 to 2005	0.10125	0.155416667	0.110208333	0.158333333	0.049583333	0.071666667	2.479166667	4.125
WV0061671	006	2003 to 2004	0.081136364	0.096363636	0.156363636	0.187727273	0.062727273	0.071363636	12.14204545	14.22727273
WV0061671	006	2004 to 2005	0.065625	0.085	0.10125	0.1375	0.441875	0.864375	2.0625	3.375
WV0061689	001	2003 to 2004	0.135666667	0.171583333	0.118208333	0.155333333	0.056041667	0.073416667	2.583333333	3.25
WV0061689	001	2004 to 2005	0.027	0.044	0.114	0.155	0.037	0.048	1	1
WV0061689	002	2003 to 2004	0.102083333	0.154	0.422541667	0.49625	0.117958333	0.141916667	4.208333333	5.5
WV0061689	002	2004 to 2005	0.0365	0.042	0.3065	0.321	0.047	0.051	1.5	2
WV0061689	021	2003 to 2004	0.189125	0.244666667	0.355583333	0.484666667	0.341458333	0.448166667	3.5	4.916666667
WV0061689	021	2004 to 2005	0.021	0.025	0.3715	0.468	0.234	0.243	1.5	2
WV0062405	300	2003 to 2004	1.863636364	2.283333333	0.175	0.198333333	0.765909091	0.860833333	9	10.75
WV0062405	300	2004 to 2005	1.429166667	1.758333333	0.151666667	0.18	0.75	0.8625	8.708333333	12.33333333
WV0062766	001	2003 to 2004	0.27	0.27	9.425	9.425	6.44	6.44	3.333333333	3.333093333
WV0062766	001	2004 to 2005								
WV0062766	006	2003 to 2004	0.076	0.094	0.128	0.154	0.254	0.276	3.168	4.39965
WV0062766	006	2004 to 2005								
WV0062766	011	2003 to 2004	0.214	0.238	0.235	0.249	0.338	0.354	5.366	7.466678
WV0062766	011	2004 to 2005								
WV0062766	012	2003 to 2004	0.11	0.13	0.684	0.878	1.23	1.444	7.234	8.631996
WV0062766	012	2004 to 2005								
WV0062766	016	2003 to 2004	0	0	0.22	0.22	0.04	0.04	7.67	7.67
WV0062766	016	2004 to 2005								
WV0062766	017	2003 to 2004	0.27	0.3	0.3975	0.4925	1.4175	1.62	4.0825	5.12525
WV0062766	017	2004 to 2005								
WV0062766	018	2003 to 2004	4.13	4.13	1.72	1.72	0.06	0.06	29	29
WV0062766	018	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0062766	020	2003 to 2004	0.14	0.162	0.266	0.326	0.33	0.338	2.4	3.602
WV0062766	020	2004 to 2005								
WV0062766	024	2003 to 2004	0.944	1.42	1.156	1.446	0.35	0.46	21.434	28.533518
WV0062766	024	2004 to 2005								
WV0062766	DNUTT	2003 to 2004	0.313333333	0.39	0.956666667	1.076666667	1.08	1.27	12.55666667	16.66705
WV0062766	DNUTT	2004 to 2005								
WV0062766	DNUTT2	2003 to 2004	0.236666667	0.286666667	0.283333333	0.35	0.373333333	0.54	3.886666667	5.11249
WV0062766	DNUTT2	2004 to 2005								
WV0062766	DS016	2003 to 2004	0.16	0.193333333	0.276666667	0.29	0.07	0.076666667	3.943333333	5.111296667
WV0062766	DS016	2004 to 2005								
WV0062766	DS019	2003 to 2004	0.206666667	0.216666667	0.363333333	0.38	0.066666667	0.073333333	2.553333333	2.665123333
WV0062766	DS019	2004 to 2005								
WV0062766	DSGC	2003 to 2004	14.94	26.21	8.27	11.47333333	6.996666667	12.01	17.78	21.33210333
WV0062766	DSGC	2004 to 2005								
WV0062766	DSGR	2003 to 2004	0.19	0.203333333	0.363333333	0.403333333	0.09	0.1	2.89	3.77774
WV0062766	DSGR	2004 to 2005								
WV0062766	DSGY	2003 to 2004	0.25	0.316666667	0.346666667	0.486666667	0.076666667	0.103333333	4.553333333	5.77609
WV0062766	DSGY	2004 to 2005								
WV0062766	GW-2	2003 to 2004	0.4	0.4	0.91	0.91	0.05	0.05	6.67	6.66976
WV0062766	GW-2	2004 to 2005								
WV0062766	UPUTT	2003 to 2004	0.33	0.43	0.88	0.996666667	0.283333333	0.31	5.163333333	7.60995
WV0062766	UPUTT	2004 to 2005								
WV0062766	UPUTT2	2003 to 2004	0.216666667	0.26	0.336666667	0.486666667	0.383333333	0.586666667	1.556666667	2
WV0062766	UPUTT2	2004 to 2005								
WV0062766	US016	2003 to 2004	0.183333333	0.183333333	0.29	0.296666667	0.065	0.071666667	1.666666667	2.333333333
WV0062766	US016	2004 to 2005								
WV0062766	USGC	2003 to 2004	14.21333333	26.14666667	7.766666667	10.88666667	6.223333333	11.30333333	17.70333333	19.44263667
WV0062766	USGC	2004 to 2005								
WV0062766	USGR	2003 to 2004	0.173333333	0.18	0.313333333	0.36	0.066666667	0.076666667	4.61	6.223123333
WV0062766	USGR	2004 to 2005								
WV0062766	USGY	2003 to 2004	0.223333333	0.256666667	0.276666667	0.346666667	0.066666667	0.09	3.276666667	4.221996667
WV0062766	USGY	2004 to 2005								
WV0062910	001	2003 to 2004	0.15875	0.2275	0.245416667	0.330833333	0.0525	0.0725	6.416666667	8.75
WV0062910	001	2004 to 2005	0.238888889	0.33	0.54	0.67	0.218888889	0.263333333	6.916666667	9.555555556
WV0062910	003	2003 to 2004	0.102083333	0.143333333	0.128333333	0.188333333	0.012916667	0.015833333	4	5.708333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Loadings Year</b>	<b>Aluminum Average Conc. (a)</b>	<b>Aluminum Maximum Conc. (a)</b>	<b>Iron Average Conc. (a)</b>	<b>Iron Maximum Conc. (a)</b>	<b>Manganese Average Conc. (a)</b>	<b>Manganese Maximum Conc. (a)</b>	<b>TSS Average Conc. (a)</b>	<b>TSS Maximum Conc. (a)</b>
WV0062910	003	2004 to 2005	0.078888889	0.113333333	0.145555556	0.214444444	0.053333333	0.086666667	2.972222222	4.388888889
WV0062961	001	2003 to 2004	0.4	0.4	0.11875	0.195	0.0475	0.055	3.25	5.333333333
WV0062961	001	2004 to 2005	0.086	0.139166667	0.1185	0.151666667	0.0155	0.0225	3.15	4.583333333
WV0062961	002	2003 to 2004	0.41	0.42	0.1345	0.165	0.365555556	0.475555556	6.7	8.9
WV0062961	002	2004 to 2005	0.6485	0.685454545	0.1655	0.217272727	1.2515	1.396363636	5.475	7.681818182
WV0063355	007	2003 to 2004	0.099166667	0.138333333	0.153541667	0.216666667	0.142708333	0.190833333	8.067708333	11.14583333
WV0063355	007	2004 to 2005	0.086875	0.139583333	0.127708333	0.195	0.07125	0.087916667	5	8.5
WV0063355	008	2003 to 2004	0.055833333	0.077916667	0.102916667	0.136666667	0.032708333	0.04625	3.328125	4.302083333
WV0063355	008	2004 to 2005	0.032708333	0.05125	0.12375	0.178333333	0.147083333	0.235416667	3.166666667	5.166666667
WV0063355	009	2003 to 2004	0.089583333	0.126666667	0.65625	0.77	0.47875	0.588333333	5.59375	8.604166667
WV0063355	009	2004 to 2005	0.087916667	0.107083333	0.386666667	0.425416667	0.593333333	0.679166667	3.875	5.291666667
WV0063355	010	2003 to 2004	0.061458333	0.095	0.1075	0.138333333	0.040625	0.05875	4.098958333	6.666666667
WV0063355	010	2004 to 2005	0.024791667	0.037916667	0.081875	0.116666667	0.030833333	0.045416667	2.416666667	3
WV0063355	011	2003 to 2004	0.1025	0.139166667	0.4825	0.549166667	0.215833333	0.255833333	4.859375	7.5
WV0063355	011	2004 to 2005	0.058958333	0.08125	0.393958333	0.475	0.144791667	0.181666667	3.895833333	6.208333333
WV0063355	013	2003 to 2004								
WV0063355	013	2004 to 2005	0.02	0.025	0.03	0.0475	0	0.0075	1.25	1.25
WV0063355	014	2003 to 2004	0.159814814	0.191111111	0.18037037	0.195555556	0.028333333	0.033333333	42.95138889	83.76388889
WV0063355	014	2004 to 2005	0.102777778	0.11625	0.169444442	0.19	0.014166667	0.017083333	1.520833333	1.916666667
WV0063461	001	2003 to 2004	0.343333333	0.35	0.335	0.3575	0.0625	0.065	3.04	3.0825
WV0063461	001	2004 to 2005								
WV0063461	002	2003 to 2004	0.03	0.03	0.1	0.1	0.01	0.01	3.67	3.67
WV0063461	002	2004 to 2005								
WV0063461	004	2003 to 2004	0.084444444	0.102222222	1.0025	1.061666667	0.835833333	0.89	4.57	5.001666667
WV0063461	004	2004 to 2005	0.065	0.096	0.719	0.78	0.535	0.556	5.234	6.134
WV0063461	006	2003 to 2004	0.130833333	0.154166667	0.065	0.081666667	0.025833333	0.040833333	4.141666667	4.503333333
WV0063461	006	2004 to 2005	0.108571429	0.187142857	0.224285714	0.378571429	0.025714286	0.034285714	3.524285714	3.808571429
WV0063576	001	2003 to 2004	0.254458333	0.305166667	0.338625	0.462666667	0.169341667	0.138166667	7.25	10.16666667
WV0063576	001	2004 to 2005	1.465727273	2.806181818	0.272545455	0.318272727	0.108090909	0.117363636	4.083333333	5.166666667
WV0063576	002	2003 to 2004	1.076727273	1.261181818	0.176727273	0.203818182	1.253363636	1.615545455	5.045454545	6.545454545
WV0063576	002	2004 to 2005	1.916090909	2.044090909	2.562818182	2.624636364	1.292272727	1.486363636	5.409090909	7.181818182
WV0063576	003	2003 to 2004	0.258	0.2947	0.3947	0.6822	0.0769	0.0986	13.85	21.95
WV0063576	003	2004 to 2005	0.158125	0.234833333	0.20125	0.3125	0.060833333	0.079833333	21.77083333	34.45833333
WV0063576	004	2003 to 2004	0.102041667	0.12725	0.209583333	0.271166667	0.111916667	0.138833333	7.958333333	13.375
WV0063576	004	2004 to 2005	0.154083333	0.237666667	0.257041667	0.39525	0.142083333	0.09175	5.291666667	8.75

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0063932	008	2003 to 2004	0.181666667	0.2475	0.209166667	0.27	0.135416667	0.245833333	5.425	6.1
WV0063932	008	2004 to 2005	0.126666667	0.143333333	0.273333333	0.32	0.315	0.336666667	4	4.333333333
WV0063932	014	2003 to 2004	0.227272727	0.368333333	0.291363636	0.435833333	1.986818182	2.544166667	8.272727273	10.083333333
WV0063932	014	2004 to 2005	0.57125	0.718333333	0.23125	0.325833333	0.86375	1.113333333	7.666666667	9.416666667
WV0063932	015	2003 to 2004	0.19375	0.246666667	0.70375	0.786666667	1.119545455	1.41	8.270833333	10.708333333
WV0063932	015	2004 to 2005	0.390416667	0.489166667	0.36	0.413333333	0.528181818	0.71425	6.958333333	9.208333333
WV0063991	001	2003 to 2004								
WV0063991	001	2004 to 2005	0.12	0.12	0.18	0.18	0.11	0.11	10.67	10.67
WV0063991	006	2003 to 2004	0.065	0.065	0.35	0.375	0.225	0.25	4	4
WV0063991	006	2004 to 2005	0.19	0.19	0.42	0.42	0.21	0.21	6.5	6.5
WV0063991	008	2003 to 2004								
WV0063991	008	2004 to 2005	0.03	0.03	0.07	0.07	0.01	0.01	21	21
WV0064050	001	2003 to 2004			0.47875	0.605	0.056875	0.065	76.5	82.5
WV0064050	001	2004 to 2005								
WV0064262	001	2003 to 2004	0.628888889	0.732222222	1.026666667	1.271111111	0.641111111	0.782222222	23.44444444	25.66666667
WV0064262	001	2004 to 2005	0.416666667	0.586666667	1.068333333	1.879166667	0.585833333	0.705	19.75	25.5
WV0064262	002	2003 to 2004	0.161	0.218	0.043	0.051	0.022	0.025	7.5	8.9
WV0064262	002	2004 to 2005	0.1875	0.281666667	0.055	0.0725	0.024166667	0.034166667	6.416666667	8.666666667
WV0064262	003	2003 to 2004	0.19	0.271818182	0.163636364	0.206363636	0.191818182	0.269090909	13.63636364	16.27272727
WV0064262	003	2004 to 2005	0.254166667	0.375	0.2175	0.2825	0.218333333	0.2975	17.58333333	25.66666667
WV0064262	004	2003 to 2004	0.126666667	0.126666667	0.246666667	0.246666667	0.01	0.01	19	19
WV0064262	004	2004 to 2005	0.156	0.162	0.504	0.582	0.314	0.42	5.2	5.6
WV0064262	007	2003 to 2004	0.125454545	0.177272727	0.04	0.047272727	0.025454545	0.032727273	8.272727273	10.36363636
WV0064262	007	2004 to 2005	0.16	0.238333333	0.056666667	0.080833333	0.024166667	0.035	6.5	8.583333333
WV0064475	001	2003 to 2004	0.136333333	0.136333333	0.155166667	0.177333333	0.057166667	0.062333333	8.166666667	9.333333333
WV0064475	001	2004 to 2005								
WV0064556	001	2003 to 2004	0.059166667	0.093333333	0.170833333	0.2425	0.012083333	0.019583333	7.546875	13.14583333
WV0064556	001	2004 to 2005	0.060208333	0.083333333	0.192291667	0.230833333	0.021458333	0.034583333	4.729166667	7.583333333
WV0064556	007	2003 to 2004	0.153125	0.1725	0.061875	0.0925	0.97125	1.0075	0	0
WV0064556	007	2004 to 2005	0.56	0.56	0.53	0.53	0.03	0.03	112	112
WV0064556	009	2003 to 2004	0.289	0.336	0.1	0.114	0.52	0.534	2.8625	4.45
WV0064556	009	2004 to 2005	0.138333333	0.156666667	0.0925	0.12	0.865	1.013333333	1.916666667	2.333333333
WV0064556	012	2003 to 2004	0.0175	0.0175	0.02	0.0275	0	0.0075	0	0
WV0064556	012	2004 to 2005	0.01	0.015	0.0175	0.027083333	0.010208333	0.01625	1.354166667	1.833333333
WV0064556	013	2003 to 2004	0.045625	0.055	0.114583333	0.168333333	0.045208333	0.075833333	3.59375	6.427083333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0064556	013	2004 to 2005	0.076458333	0.105833333	0.24	0.296666667	0.015625	0.019166667	5.458333333	8
WV0064556	014	2003 to 2004	0.220092589	0.345555556	0.208148144	0.347777778	0.231851856	0.381111111	3.148148111	4.361111111
WV0064556	014	2004 to 2005	0.051388889	0.07	0.468888889	0.711666667	0.253055556	0.333888889	3.805555556	6.5
WV0064556	250	2003 to 2004	0.0478125	0.064375	2.14375	2.52875	1.533125	1.81875	11.0390625	16.375
WV0064556	250	2004 to 2005								
WV0064572	001	2003 to 2004	1.921818182	2.428181818	0.07	0.094545455	0.193636364	0.260909091	18.72727273	26.27272727
WV0064572	001	2004 to 2005	0.798958333	1.2975	0.129375	0.2225	0.201875	0.3275	5.6875	9
WV0064572	002	2003 to 2004	0.28	0.4475	0.1	0.145	0.025	0.03875	13.5	18.875
WV0064572	002	2004 to 2005	0.256136364	0.33	0.212045455	0.309545455	0.071136364	0.080909091	7.727272727	9.454545455
WV0064572	003	2003 to 2004	0.084545455	0.103636364	0.046363636	0.06	0.024545455	0.038181818	5.545454545	6.545454545
WV0064572	003	2004 to 2005	0.031458333	0.041666667	0.037083333	0.04375	0.031041667	0.040833333	2.208333333	3.25
WV0064572	007	2003 to 2004	0.092727273	0.121818182	0.03	0.03	0.01	0.01	3	3.727272727
WV0064572	007	2004 to 2005	0.051666667	0.0625	0.015208333	0.01875	0.011875	0.014583333	1.25	1.5
WV0064572	009	2003 to 2004	0.542727273	0.634545455	0.03	0.03	0.089090909	0.111818182	4.272727273	5.545454545
WV0064572	009	2004 to 2005	0.415416667	0.465833333	0.016875	0.02125	0.122916667	0.135	2.041666667	2.541666667
WV0064599	001	2003 to 2004	0.234545455	0.3	0.262727273	0.363636364	0.178181818	0.348181818	3.090909091	4.636363636
WV0064599	001	2004 to 2005	0.1625	0.205833333	0.298333333	0.4425	0.21	0.321666667	4.208333333	5.5
WV0064602	001	2003 to 2004			0.289090909	0.322727273	0.201818182	0.217272727	3	3.2
WV0064602	001	2004 to 2005	0.406	0.678	0.163333333	0.185	0.205	0.235	7	7.666666667
WV0064602	002	2003 to 2004			0.74	0.74	0.04	0.04	31	31
WV0064602	002	2004 to 2005								
WV0064602	003	2003 to 2004	0.247777778	0.301111111	0.293333333	0.357777778	0.343333333	0.397777778	8.666666667	10.33333333
WV0064602	003	2004 to 2005	0.376666667	0.64	0.34	0.435555556	0.3	0.362222222	8.777777778	11.55555556
WV0064602	005	2003 to 2004			0.345833333	0.420833333	0.1	0.1225	3.666666667	4.916666667
WV0064602	005	2004 to 2005	0.285	0.3125	0.268181818	0.306363636	0.075454545	0.100909091	5.727272727	6.363636364
WV0064840	004	2003 to 2004								
WV0064840	004	2004 to 2005		0.4		0.34		0.03		6
WV0064840	005	2003 to 2004								
WV0064840	005	2004 to 2005		0.4		1.09		0.18		3
WV0064840	006	2003 to 2004	0.4	0.68	0.75	1.216	0.301666667	0.288	7.666666667	11
WV0064840	006	2004 to 2005	0.48	0.514285714	0.843	1.015714286	0.193	0.225714286	10	13.85714286
WV0064840	007	2003 to 2004		0.9		1		0.13		22
WV0064840	007	2004 to 2005		0.4		0.675		0.025		24.5
WV0064840	009	2003 to 2004	0.4	0.442857143	1.161666667	0.275714286	0.023333333	0.024285714	5.666666667	9.571428571
WV0064840	009	2004 to 2005	0.525	0.525	0.25375	0.2875	0.04625	0.05625	12.75	14.125

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0064840	010	2003 to 2004	0.772727273	1.145454545	1.229545455	2.150909091	0.534090909	0.657272727	10.68181818	17.09090909
WV0064840	010	2004 to 2005	0.404166667	0.408333333	0.5725	0.8225	0.58125	0.7125	10.83333333	17.16666667
WV0064840	011	2003 to 2004	0.4	0.4	0.125	0.16	0.02	0.02	1	1
WV0064840	011	2004 to 2005								
WV0064840	014	2003 to 2004	0.4	0.4	0.315	0.4	0.15	0.21	7.5	8
WV0064840	014	2004 to 2005	0.4	0.45	0.44	0.54	0.25	0.605	11.5	11.5
WV0064858	001	2003 to 2004	0.34	0.43	0	0	0	0	0	0
WV0064858	001	2004 to 2005	0.3175	0.4525	0	0	0	0	0	0
WV0064858	003	2003 to 2004	0.733333333	0.973333333	0	0	0	0	0	0
WV0064858	003	2004 to 2005	0.486666667	0.818333333	1.055	2.067083333	0	0	0	0
WV0064858	004	2003 to 2004	0.794	1.294	0	0	0	0	0	0
WV0064858	004	2004 to 2005	0.1975	0.3075	0	0	0	0	0	0
WV0064858	005	2003 to 2004	0.664166667	1.011666667	0.154545455	0.212727273	0.058181818	0.068636364	6.818181818	9.681818182
WV0064858	005	2004 to 2005	0.396363636	0.568181818	0	0	0	0	0	0
WV0064858	010	2003 to 2004	0.34	0.43	0	0	0	0	0	0
WV0064858	010	2004 to 2005	0.31625	0.42625	0	0	0	0	0	0
WV0064858	012	2003 to 2004	0.34	0.43	0	0	0	0	0	0
WV0064858	012	2004 to 2005	0.31625	0.42625	0	0	0	0	0	0
WV0064912	001	2003 to 2004	0.240833333	0.331666667	0	0	0	0	5.729166667	9.833333333
WV0064912	001	2004 to 2005	0.443333333	0.711666667	3.2575	6.464166667	0	0	7.041666667	12.79166667
WV0064947	004	2003 to 2004	0.286666667	0.3575	0	0	0	0	0	0
WV0064947	004	2004 to 2005	0.274	0.328	0	0	0	0	0	0
WV0064955	004	2003 to 2004	0.4125	0.425	0.908333333	1.161666667	1.00625	1.109166667	6.125	8.5
WV0064955	004	2004 to 2005	0.4	0.4	1.12	1.294545455	0.677272727	0.868181818	5.590909091	7.545454545
WV0065005	003	2003 to 2004	0.266666667	0.286666667	0.165	0.18	0.05	0.05	3.25	3.5
WV0065005	003	2004 to 2005								
WV0065005	012	2003 to 2004	0.192916667	0.229166667	0.135416667	0.159166667	0.053333333	0.056666667	3.125	3.25
WV0065005	012	2004 to 2005	0.2075	0.236666667	0.135	0.168333333	0.0425	0.046666667	3.75	4.5
WV0065005	DSCS12	2003 to 2004	0.166666667	0.19	0.09	0.106666667	0.056666667	0.063333333	3	3
WV0065005	DSCS12	2004 to 2005	0.208333333	0.250833333	0.133333333	0.1625	0.05	0.059166667	3	3
WV0065005	DSEF10	2003 to 2004	0.226666667	0.226666667	0.13	0.13	0.056666667	0.056666667	3.666666667	3.666666667
WV0065005	DSEF10	2004 to 2005	0.221666667	0.221666667	0.153333333	0.153333333	0.029	0.029	5.818181818	5.818181818
WV0065005	USCS10	2003 to 2004	0.17	0.21	0.056666667	0.06	0.213333333	0.373333333	3	3
WV0065005	USCS10	2004 to 2005	0.206666667	0.241666667	0.123333333	0.146666667	0.041666667	0.043333333	3	3
WV0065005	USEF10	2003 to 2004	0.21	0.21	0.11	0.11	0.086666667	0.086666667	3.333333333	3.333333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0065005	USEF10	2004 to 2005	0.2275	0.2275	0.16	0.16	0.03	0.03	5.818181818	5.818181818
WV0065137	001	2003 to 2004	0.445454545	0.463636364	0.145454545	0.183636364	0.053181818	0.067272727	8.590909091	10.54545455
WV0065137	001	2004 to 2005	0.4	0.4	0.092	0.175555556	0.048	0.058888889	7.3	10.7777778
WV0065137	002	2003 to 2004								
WV0065137	002	2004 to 2005	1.466666667	2.2875	0.290833333	0.4075	0.1725	0.20125	21.08333333	33.625
WV0065137	003	2003 to 2004	0.779166667	1.058333333	0.1075	0.130833333	0.029166667	0.035833333	9.083333333	11.25
WV0065137	003	2004 to 2005	0.495833333	0.475	0.10875	0.1275	0.034583333	0.045	11.625	16.58333333
WV0065137	004	2003 to 2004	0.468181818	0.533333333	0.248181818	0.375	0.321363636	0.366666667	11.40909091	15.75
WV0065137	004	2004 to 2005	0.4	0.4	0.129375	0.173333333	0.4575	0.551666667	6.0625	6.75
WV0065137	005	2003 to 2004	0.383333333	0.4	0.1025	0.125833333	0.028333333	0.035833333	4.5	5.33333333
WV0065137	005	2004 to 2005	0.4	0.4	0.115833333	0.145	0.027083333	0.031666667	5.291666667	7.25
WV0065137	007	2003 to 2004								
WV0065137	007	2004 to 2005	0.4	0.7	2.75	0.6	0.15	0.303333333	19	34.3333333
WV0065137	010	2003 to 2004								
WV0065137	010	2004 to 2005	0.4	0.4	0.167857143	0.1875	0.496428571	0.6775	2.571428571	3.25
WV0065218	001	2003 to 2004	0.1085	0.119166667	0.7015	0.652916667	0.139545455	0.183333333	0.15	0.15
WV0065218	001	2004 to 2005	0.075	0.091	0.245	0.493333333	0.112857143	0.2275	2.525	8.266666667
WV0065234	001	2003 to 2004	0.087	0.105	0.476	0.664			9.675	11.35
WV0065234	001	2004 to 2005	0.156666667	0.200833333	0.318333333	0.488333333	0.207142857	0.304285714	7.958333333	11.625
WV0065234	002	2003 to 2004	0.094545455	0.126363636	0.857272727	1.142727273	0.275909091	0.369090909	8.204545455	11.31818182
WV0065234	002	2004 to 2005	0.149166667	0.216666667	0.5925	0.8825	0.305	0.425	7.770833333	11.29166667
WV0065269	001	2003 to 2004	0.22	0.19	0.36	0.526666667	0.12	0.14	7.666666667	7.666666667
WV0065269	001	2004 to 2005	0.22	0.22	0.5775	0.5775	0.18	0.18	4.75	4.75
WV0065269	002	2003 to 2004	0.190833333	0.2175	1.364166667	1.625	1.0175	1.16	8.416666667	13
WV0065269	002	2004 to 2005	0.145833333	0.191666667	0.824166667	0.980833333	0.856666667	1.033333333	7.333333333	10.08333333
WV0065536	003	2003 to 2004								
WV0065536	003	2004 to 2005	0.12	0.12	0.2	0.2	0.04	0.04	3	3
WV0065536	005	2003 to 2004								
WV0065536	005	2004 to 2005	0.06	0.06	0.185	0.185	0.07	0.07	3	3
WV0065536	006	2003 to 2004	0.109166667	0.1275	0.545	0.784166667	0.344166667	0.535	7.11	7.944166667
WV0065536	006	2004 to 2005	0.043333333	0.054166667	0.403333333	0.503333333	0.286666667	0.4325	4.986666667	5.610833333
WV0065536	010	2003 to 2004								
WV0065536	010	2004 to 2005	0.05	0.05	0.07	0.07	0.01	0.01	3	3
WV0065536	013	2003 to 2004								
WV0065536	013	2004 to 2005	0.11	0.1175	0.185	0.185	0.0175	0.0175	5.9575	6.0825

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Loadings Year</b>	<b>Aluminum Average Conc. (a)</b>	<b>Aluminum Maximum Conc. (a)</b>	<b>Iron Average Conc. (a)</b>	<b>Iron Maximum Conc. (a)</b>	<b>Manganese Average Conc. (a)</b>	<b>Manganese Maximum Conc. (a)</b>	<b>TSS Average Conc. (a)</b>	<b>TSS Maximum Conc. (a)</b>
WV0065617	001	2003 to 2004	0.15125	0.19625	0.265454545	0.327272727	0.078181818	0.107272727	7.621818182	9.091818182
WV0065617	001	2004 to 2005	0.153333333	0.210833333	0.206666667	0.268333333	0.194166667	0.293333333	8.263333333	9.414166667
WV0065617	003	2003 to 2004	0.195	0.24875	0.244545455	0.270909091	0.117272727	0.131818182	13.71090909	15.33272727
WV0065617	003	2004 to 2005	0.280833333	0.444166667	0.2725	0.370833333	0.1475	0.2	18.965	24.36833333
WV0065617	004	2003 to 2004	0.204285714	0.248571429	0.309	0.388	0.126	0.156	13.684	17.833
WV0065617	004	2004 to 2005	0.180909091	0.290909091	0.148181818	0.205454545	0.123636364	0.149090909	11.41090909	13.60363636
WV0065617	006	2003 to 2004	0.2475	0.295	0.354545455	0.41	0.049090909	0.064545455	11.87909091	14.60636364
WV0065617	006	2004 to 2005	0.203333333	0.21	0.145	0.145	0.02	0.023333333	13.305	15.16666667
WV0065676	001	2003 to 2004	0.466666667	0.5	0.544444444	0.721818182	0.057777778	0.066363636	18.66666667	25.27272727
WV0065676	001	2004 to 2005	0.45	0.58	0.358333333	0.648	0.046666667	0.06	16.83333333	38.6
WV0065676	002	2003 to 2004	0.433333333	0.55	0.851666667	0.825	0.051666667	0.12	30.16666667	23.98
WV0065676	002	2004 to 2005	0.435	0.458333333	0.4105	0.606666667	0.5295	0.621666667	12.2	15.83333333
WV0065676	003	2003 to 2004	0.458333333	0.4875	0.390833333	0.49875	0.084166667	0.09	10.83333333	14
WV0065676	003	2004 to 2005	0.45	0.38	0.23	0.308	0.2825	0.244	7.75	9.4
WV0065862	001	2003 to 2004	0.865	1.233333333	0.346666667	0.51	0.023333333	0.030833333	11.62416667	17.4175
WV0065862	001	2004 to 2005	0.523636364	0.654545455	0.345454545	0.451818182	0.040909091	0.053636364	20.43818182	22.69363636
WV0065862	003	2003 to 2004	0.273333333	0.46	0.376666667	0.616666667	0.023333333	0.026666667	19.61	32.22333333
WV0065862	003	2004 to 2005	0.101	0.149	0.161	0.225	0.028	0.04	13.999	22.197
WV0065862	004	2003 to 2004	0.475	0.685	0.405	0.615833333	0.129166667	0.174166667	12.91666667	19.5275
WV0065862	004	2004 to 2005	0.176666667	0.245	0.2025	0.259166667	0.2125	0.301666667	8.928333333	11.96916667
WV0065862	005	2003 to 2004	1.04	1.04			0.04	0.04	36	36
WV0065862	005	2004 to 2005								
WV0065862	006	2003 to 2004	1.21	1.21	2.32	2.32	0.06	0.06	76	76
WV0065862	006	2004 to 2005	0.395	0.48	0.52	0.68	0.01	0.01	27.25	28.835
WV0065862	009	2003 to 2004	0.11	0.11	0.07	0.07	0.07	0.07	3	3
WV0065862	009	2004 to 2005	0.21	0.21	0.33	0.33	0.01	0.01	26.34	26.34
WV0065889	006	2003 to 2004	0.581666667	0.848333333	0.234166667	0.329166667	0.074166667	0.100833333	5.75	7.333333333
WV0065889	006	2004 to 2005	0.345	0.4025	0.206666667	0.271666667	0.0875	0.105	4.083333333	4.166666667
WV0065889	007	2003 to 2004	0.503333333	0.778333333	0.198333333	0.274166667	0.175833333	0.264166667	4.833333333	5.666666667
WV0065889	007	2004 to 2005	0.264166667	0.3925	0.2125	0.268333333	0.155	0.208333333	6.666666667	8.833333333
WV0065889	008	2003 to 2004	0.403333333	0.564166667	0.123333333	0.206666667	0.06	0.094166667	8	9.333333333
WV0065889	008	2004 to 2005	0.359166667	0.564166667	0.05	0.066666667	0.015	0.018333333	7.25	9
WV0065889	009	2003 to 2004								
WV0065889	009	2004 to 2005	0.45	0.45	0.04	0.04	0.01	0.01	4	4
WV0065889	011	2003 to 2004	0.411666667	0.543333333	0.1575	0.250833333	0.105	0.178333333	5.916666667	6.5



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0065889	011	2004 to 2005	0.400833333	0.619166667	0.126666667	0.1925	0.034166667	0.044166667	7.083333333	8.5
WV0065889	013	2003 to 2004	0.426666667	0.566666667	0.19	0.255	0.095833333	0.125833333	5.166666667	5.833333333
WV0065889	013	2004 to 2005	0.319166667	0.471666667	0.133333333	0.17	0.0825	0.1025	5.916666667	7
WV0065986	001	2003 to 2004	0.625	0.666666667	0.21875	0.254166667	0.5575	0.610833333	5.208333333	7
WV0065986	001	2004 to 2005	0.59775	0.717416667	0.27375	0.639166667	0.598333333	0.663333333	4.208333333	5.416666667
WV0065986	007	2003 to 2004		0.4		0.32		0.12		6
WV0065986	007	2004 to 2005								
WV0065986	009	2003 to 2004		0.4		0.17		0.02		3.5
WV0065986	009	2004 to 2005								
WV0066010	001	2003 to 2004	0.888888889	1.472222222	0.474444444	0.634444444	0.090555556	0.114444444	28.06944444	49.125
WV0066010	001	2004 to 2005	0.25625	0.26	0.225	0.2275	0.02625	0.03	4.9375	5.375
WV0066010	002	2003 to 2004	0.367142857	0.368571429	0.54	0.544285714	0.045714286	0.048571429	18.03571429	18.03571429
WV0066010	002	2004 to 2005	0.12875	0.13	0.16375	0.165	0.025625	0.03	4.8125	5.125
WV0066010	004	2003 to 2004	0.170555556	0.21	0.197777778	0.264444444	0.074722222	0.133888889	11.22222222	18.22222222
WV0066010	004	2004 to 2005	0.135833333	0.204583333	0.146041667	0.205833333	0.079166667	0.147916667	4.354166667	7.916666667
WV0066010	006	2003 to 2004	0.18875	0.261666667	0.227708333	0.341666667	0.151666667	0.220833333	10.890625	19.17708333
WV0066010	006	2004 to 2005	0.071458333	0.10375	0.081875	0.1125	0.041041667	0.050416667	2.75	4.75
WV0066010	011	2003 to 2004	2.387916667	4.3025	0.136666667	0.19625	0.091458333	0.122083333	11.05208333	15.70833333
WV0066010	011	2004 to 2005	1.01	1.01	0.06	0.06	0.02	0.02	10	10
WV0066036	001	2003 to 2004	0.4	0.4	2.521363636	2.9	0.396818182	0.44	19.9	24
WV0066036	001	2004 to 2005	0.4	0.4	1.492272727	1.824545455	0.514090909	0.337272727	13.31818182	17.72727273
WV0066036	002	2003 to 2004	0.4	0.4	0.5725	0.7425	0.095	0.1175	5	7.5
WV0066036	002	2004 to 2005	0.4	0.4	0.1845	0.226	0.057	0.067	4.1	5.4
WV0066036	003	2003 to 2004								
WV0066036	003	2004 to 2005	0.4	0.4	0.0875	0.125	0.0225	0.025	2.25	3
WV0066150	002	2003 to 2004	0.909	1.303	0.09375	0.1325	0.47425	0.755	20.05625	30.3375
WV0066150	002	2004 to 2005	0.381136364	0.450454545	0.140227273	0.181818182	0.510454545	0.785454545	4.25	6.045454545
WV0066150	003	2003 to 2004	0.07975	0.115	0.327	0.532	0.072	0.119	2.55625	3.0625
WV0066150	003	2004 to 2005	0.101388889	0.128333333	0.168888889	0.201111111	0.092777778	0.159444444	0.944444444	1.388888889
WV0066150	004	2003 to 2004								
WV0066150	004	2004 to 2005	0.25	0.37	0.155	0.24	0.105	0.11	8.25	16
WV0066150	008	2003 to 2004	0.1165	0.171	0.2545	0.322	0.03175	0.045	5.40625	8.4125
WV0066150	008	2004 to 2005	0.059318182	0.072727273	0.142727273	0.163636364	0.015681818	0.021363636	2.431818182	3.409090909
WV0066192	001	2003 to 2004	0.03	0.08	0	0	0	0.5075	2.25	3.5
WV0066192	001	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0066231	001	2003 to 2004	0.229375	0.29125	0.059375	0.145625	1.44625	2.09	4.4375	6.875
WV0066231	001	2004 to 2005	0.214166667	0.265	0.104166667	0.1475	0.486666667	0.604166667	9	11.16666667
WV0066231	002	2003 to 2004								
WV0066231	002	2004 to 2005	0.66	0.725	0.165	0.165	0.105	0.13	6	6
WV0066346	001	2003 to 2004	0.33	0.33	0.114	0.118	0.036	0.05	4	4
WV0066346	001	2004 to 2005	0.336666667	0.406666667	0.288333333	0.311666667	0.068333333	0.081666667	10.83333333	11
WV0066346	002	2003 to 2004	0.332727273	0.53	0.396363636	0.651818182	0.054545455	0.068181818	15.63636364	27.27272727
WV0066346	002	2004 to 2005	0.236666667	0.3575	0.128333333	0.2	0.0175	0.021666667	4.166666667	4.333333333
WV0066346	003	2003 to 2004	0.43	0.59	0.185	0.273333333	0.075	0.095833333	6.583333333	9.166666667
WV0066346	003	2004 to 2005	0.235	0.329166667	0.225	0.336666667	0.1175	0.148333333	4.583333333	5.166666667
WV0066371	002	2003 to 2004								
WV0066371	002	2004 to 2005	2.0005	2.785	0.35575	0.55	0.562	0.677	18.85	32.95
WV0066567	001	2003 to 2004	0.425833333	0.425833333	0.626666667	0.626666667	0.060833333	0.060833333	4	4
WV0066567	001	2004 to 2005	0.389090909	0.390909091	0.496363636	0.503636364	0.035454545	0.036363636	4.363636364	4.363636364
WV0066567	002	2003 to 2004	0.4675	0.4675	0.624166667	0.624166667	0.029166667	0.029166667	4.166666667	4.166666667
WV0066567	002	2004 to 2005	0.308181818	0.31	0.559090909	0.56	0.030909091	0.030909091	4	4
WV0066630	001	2003 to 2004								
WV0066630	001	2004 to 2005	0.525	0.566666667	0.2925	0.37	0.13	0.166666667	16.75	15.66666667
WV0066630	004	2003 to 2004	0.4	0.4	0.168333333	0.225	0.0325	0.043333333	4.416666667	6.25
WV0066630	004	2004 to 2005	0.4	0.4	0.175454545	0.262727273	0.032272727	0.040909091	6.181818182	9.363636364
WV0066630	005	2003 to 2004								
WV0066630	005	2004 to 2005	0.4	0.4	0.6325	1.035	0.0375	0.045	6	8
WV0066630	006	2003 to 2004	0.908333333	0.441666667	1.59125	1.88	1.940833333	2.08	12.29166667	14.41666667
WV0066630	006	2004 to 2005	0.45	0.45	0.275	0.315	0.025	0.03	1	7
WV0066656	001	2003 to 2004								
WV0066656	001	2004 to 2005	0.1	0.1	0.31	0.31	0.31	0.31	3	3
WV0066656	011	2003 to 2004	0.876363636	1.252727273	0.316363636	0.438181818	0.547272727	0.631818182	9.984545455	12.24272727
WV0066656	011	2004 to 2005	0.245833333	0.348333333	0.416666667	0.585833333	0.485	0.64	7.943333333	10.55666667
WV0066656	DPF	2003 to 2004	0.36	0.507777778	0.271111111	0.385555556	0.112222222	0.125555556		
WV0066656	DPF	2004 to 2005	0.137	0.189	0.242	0.343	0.14	0.175		
WV0066656	UPF	2003 to 2004	0.258888889	0.345555556	0.275555556	0.353333333	0.07	0.081111111		
WV0066656	UPF	2004 to 2005	0.132	0.167	0.152	0.196	0.108	0.149		
WV0066699	001	2003 to 2004	0.778333333	1.034166667	0.365833333	0.445833333	0.245833333	0.315	7.44	9.165833333
WV0066699	001	2004 to 2005	0.43375	0.51375	0.17375	0.20375	0.17	0.18875	4.62625	4.9175
WV0066699	002	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0066699	002	2004 to 2005	0.68	0.68	0.19	0.19	0.19	0.19	4.67	4.67
WV0066699	003	2003 to 2004	1.128333333	1.343333333	0.38	0.456666667	0.298333333	0.363333333	7.138333333	8.113333333
WV0066699	003	2004 to 2005	0.656666667	0.726666667	0.24	0.258333333	0.216666667	0.221666667	5.333333333	5.666666667
WV0066699	004	2003 to 2004	0.989166667	1.284166667	0.621666667	0.713333333	0.246666667	0.325833333	10.72833333	12.695
WV0066699	004	2004 to 2005	0.513	0.636	0.222	0.259	0.244	0.288	3.877	4.728
WV0066699	014	2003 to 2004	0.141428571	0.141428571	0.235714286	0.235714286	0.018571429	0.018571429	4.047142857	4.047142857
WV0066699	014	2004 to 2005	0.045	0.045	0.085	0.085	0.0125	0.0125	3.9175	3.9175
WV0066699	019	2003 to 2004	0.511666667	0.808333333	0.220833333	0.369166667	0.129166667	0.243333333	4.419166667	5.608333333
WV0066699	019	2004 to 2005	0.299166667	0.398333333	0.074166667	0.076666667	0.029166667	0.035833333	4.236666667	5.305833333
WV0066699	028	2003 to 2004	0.1375	0.174166667	0.564166667	0.700833333	0.345	0.416666667	3.361666667	3.555833333
WV0066699	028	2004 to 2005	0.053333333	0.066666667	0.5	0.5525	0.305833333	0.331666667	3.306666667	3.558333333
WV0066699	029	2003 to 2004								
WV0066699	029	2004 to 2005	0.04	0.05	0.07	0.07	0.02	0.02	7	11
WV0066699	032	2003 to 2004								
WV0066699	032	2004 to 2005	0.12	0.13	0.69	0.74	0.43	0.47	3	3
WV0066699	033	2003 to 2004	0.095	0.1125	0.0775	0.104166667	0.025833333	0.0425	3.665833333	4.221666667
WV0066699	033	2004 to 2005	0.175	0.325833333	0.079166667	0.089166667	0.015	0.0175	3.264166667	3.583333333
WV0066702	015	2003 to 2004	0.406666667	0.556666667	0.231666667	0.376666667	0.078333333	0.105	6.555	9.333333333
WV0066702	015	2004 to 2005	0.108333333	0.155	0.151666667	0.213333333	0.02	0.021666667	12.305	15.055
WV0066702	016	2003 to 2004	0.88	0.88	0.98	0.98	0.07	0.07	11.34	11.34
WV0066702	016	2004 to 2005								
WV0066702	021	2003 to 2004	0.1	0.1	0.03	0.03	0.01	0.01	5	5
WV0066702	021	2004 to 2005	0.069	0.085	0.134	0.152	0.017	0.022	6.922	8.666
WV0066711	006	2003 to 2004	0.12	0.139166667	0.115	0.144166667	0.025833333	0.036666667	3.8475	4.361666667
WV0066711	006	2004 to 2005	0.095833333	0.153333333	0.13	0.16	0.028333333	0.043333333	3.5975	4.195
WV0066711	007	2003 to 2004	0.144444444	0.17	0.153333333	0.186666667	0.02	0.024444444	4.295555556	4.777777778
WV0066711	007	2004 to 2005	0.068	0.09	0.116	0.152	0.016	0.018	3.026	3.628
WV0066711	008	2003 to 2004	0.2	0.287	0.181	0.219	0.044	0.076	5.034	6.166
WV0066711	008	2004 to 2005	0.175555556	0.184444444	0.124444444	0.141111111	0.05	0.054444444	3.241111111	3.481111111
WV0066711	011	2003 to 2004	0.169166667	0.2325	0.1425	0.168333333	0.041666667	0.066666667	4.180833333	4.916666667
WV0066711	011	2004 to 2005	0.095	0.156666667	0.103333333	0.125	0.03	0.045	3.680833333	4.360833333
WV0066711	012	2003 to 2004	0.125833333	0.140833333	0.1225	0.146666667	0.026666667	0.039166667	4.43	5.360833333
WV0066711	012	2004 to 2005	0.104166667	0.1675	0.111666667	0.139166667	0.03	0.045	3.889166667	4.110833333
WV0066737	001	2003 to 2004								
WV0066737	001	2004 to 2005	0.271111111	0.322222222	0.132222222	0.187777778	0.022222222	0.028888889	6.888888889	9.333333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0066737	041	2003 to 2004								
WV0066737	041	2004 to 2005	0.287777778	0.385555556	0.077777778	0.118888889	0.018888889	0.023333333	5.888888889	7.111111111
WV0066770	032	2003 to 2004	0.172708333	0.2325	0.11	0.134166667			2.270833333	2.666666667
WV0066770	032	2004 to 2005	0.19	0.228181818	0.069583333	0.0825	0.21	0.25	3.083333333	3.166666667
WV0066842	007	2003 to 2004		0		0.215		0.04		14
WV0066842	007	2004 to 2005								
WV0066842	011	2003 to 2004	0.224	0.276	0.147	0.178	0.122	0.156	12.8	16.4
WV0066842	011	2004 to 2005								
WV0066842	013	2003 to 2004	0.156	0.192	0.233	0.272	1.22	1.398	13.9	18.4
WV0066842	013	2004 to 2005								
WV0066842	015	2003 to 2004	0	0.558	0.131666667	0.154	0.74125	0.766	5.8125	7.8
WV0066842	015	2004 to 2005								
WV0066885	001	2003 to 2004	1.755166667	2.778444444	0.227722222	0.382555556	2.144277778	2.535555556	6.777777778	11.111111111
WV0066885	001	2004 to 2005	1.4985	2.199916667	0.130394417	0.205	1.448916667	1.717916667	5.972263833	8.03575
WV0066885	002	2003 to 2004	0.106	0.116	0.158125	0.17775	0.501875	0.53875	5.4375	6.625
WV0066885	002	2004 to 2005	0.291944444	0.368333333	0.088888889	0.114	0.454388889	0.649666667	3.754	3.627
WV0066885	003	2003 to 2004	0.202722222	0.249666667	0.954555556	1.249888889	1.007277778	1.257555556	15.83333333	19.66666667
WV0066885	003	2004 to 2005	0.708121182	1.362727273	0.669939364	0.886454545	0.394833273	0.560545455	9.510848455	12.87663636
WV0066885	004	2003 to 2004	0.342944444	0.576555556	0.116166667	0.174	1.728722222	2.000888889	6.444444444	8.333333333
WV0066885	004	2004 to 2005	1.248818182	1.947090909	0.620909091	1.167454545	1.244090909	1.557454545	7.668863636	10.74677273
WV0066885	005	2003 to 2004	10.111	10.111	8.925	8.925	1.989	1.989	7	7
WV0066885	005	2004 to 2005	11.481	11.481	14.954	14.954	1.909	1.909	3	0
WV0066885	010	2003 to 2004	1.25	1.25	0.719	0.719	0.276	0.276	31	31
WV0066885	010	2004 to 2005								
WV0066885	015	2003 to 2004	0.7128125	0.916875	0.238625	0.39925	1.02825	1.3055	8.75	12.375
WV0066885	015	2004 to 2005	0.948125	1.088416667	0.084125	0.117583333	0.663833333	0.889083333	6.41075	7.755958333
WV0066885	016	2003 to 2004								
WV0066885	016	2004 to 2005	3.391928571	3.830571429	0.041714286	0.041285714	1.435571429	1.538571429	15.51021429	17.14285714
WV0066885	018	2003 to 2004								
WV0066885	018	2004 to 2005	6.087125	6.37375	0.084525	0.105166667	1.18475	1.4195	18.51191667	21.71429167
WV0066885	DUTBC36	2003 to 2004								
WV0066885	DUTBC36	2004 to 2005	19.292	19.292	1.9095	1.9095	2.72725	2.72725		
WV0066885	DUTBC39	2003 to 2004								
WV0066885	DUTBC39	2004 to 2005	5.638791667	6.13225	0.639041667	0.743083333	2.609125	2.793166667		
WV0066885	UUTBC38	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0066885	UUTBC38	2004 to 2005	18.4845	18.4845	1.90225	1.90225	2.69775	2.69775		
WV0066885	UUTBC40A	2003 to 2004								
WV0066885	UUTBC40A	2004 to 2005	9.069959091	10.315	1.123590909	1.197363636	3.624590909	3.838090909		
WV0066974	010	2003 to 2004	0.4	0.4	0.316875	0.39125	0.085625	0.1	3.6875	5.375
WV0066974	010	2004 to 2005	0.436363636	0.466666667	0.473636364	0.680833333	0.144545455	0.198333333	5.863636364	9.416666667
WV0066974	011	2003 to 2004	0.4	0.4	0.31375	0.38	0.08875	0.10125	5.875	7
WV0066974	011	2004 to 2005	0.427272727	0.45	0.4215	0.559166667	0.11	0.160833333	6.909090909	10.08333333
WV0066974	012	2003 to 2004	0.4	0.4	0.135	0.16	0.055	0.06	1.5	2
WV0066974	012	2004 to 2005	0.4	0.4	0.1975	0.260909091	0.085	0.106363636	4.5	6.727272727
WV0066974	013	2003 to 2004	0.4125	0.425	0.215	0.28375	0.08875	0.11	5.9375	7.125
WV0066974	013	2004 to 2005	0.4	0.4	0.239583333	0.314166667	0.114583333	0.15	6.75	10.75
WV0066974	014	2003 to 2004	0.4	0.4	0.3	0.41	0.066428571	0.085	9.142857143	15.875
WV0066974	014	2004 to 2005	0.46	0.5	0.3455	0.424166667	0.05	0.1225	9.05	13.16666667
WV0067601	002	2003 to 2004	0.01	0.01	0.069	0.069	0.229	0.229		
WV0067601	002	2004 to 2005	0.17	0.17	0.137	0.137	0.253	0.253		
WV0067601	003	2003 to 2004	0.658666667	0.905916667	0.076333333	0.114916667	0.1975	0.270583333	4.125	6.25
WV0067601	003	2004 to 2005	0.842	1.27	0.036	0.05	0.077	0.129	2	3
WV0067601	005	2003 to 2004	0.730727273	1.093636364	0.326863636	0.547181818	0.396	0.578909091	4.772727273	6.636363636
WV0067601	005	2004 to 2005	0.8035	1.348	0.113	0.157	0.1395	0.197	2	3
WV0067709	001	2003 to 2004	0.095	0.1395	5.857275	6.743133333	1.6493125	2.061916667	9.333333333	11.91666667
WV0067709	001	2004 to 2005	0.123	0.22	8.34	9.616666667	1.876666667	2.436666667	14.83333333	17
WV0067709	002	2003 to 2004	1.789715	2.3561	7.56806	10.71052	1.12543	1.661	206.25	356.8
WV0067709	002	2004 to 2005	0.543333333	0.723333333	1.846666667	2.26	0.49	0.496666667	21.16666667	22.66666667
WV0067709	005	2003 to 2004	3.44106	5.5254	1.22186	2.0198	3.0549	4.2566	45.45	77.2
WV0067709	005	2004 to 2005	3.073333333	4.85	2.233333333	2.953333333	4.613333333	5.393333333	29.16666667	52
WV0067709	012	2003 to 2004	13.33	24.285					13.25	19
WV0067709	012	2004 to 2005	44.6135	59.71066667	135.8015	189.3918333	25.77075	36.7075	18	25.33333333
WV0067881	015	2003 to 2004								
WV0067881	015	2004 to 2005	0.201833333	0.222	0.461611111	0.545333333	0.139444444	0.171777778	3.904833333	3.476222222
WV0067881	017	2003 to 2004								
WV0067881	017	2004 to 2005	0.717166667	0.833	0.063222222	0.097222222	0.290833333	0.456222222	5.674666667	7.904777778
WV0067881	018	2003 to 2004								
WV0067881	018	2004 to 2005	0.617055556	0.739666667	0.250333333	0.287444444	0.6395	0.923222222	4.952444444	6.079388889
WV0067881	021	2003 to 2004								
WV0067881	021	2004 to 2005	0.154555556	0.165333333	0.262166667	0.327444444	0.164166667	0.177888889	3.468333333	2.642888889

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0067954	001	2003 to 2004	1.133208333	1.70475	0.074091667	0.121766667	0.672166667	1.017916667	21.91666667	32.58333333
WV0067954	001	2004 to 2005	0.901708333	1.330583333	0.044625	0.06025	0.485291667	0.8035	12.66666667	15.66666667
WV0067954	002	2003 to 2004	0.251854167	0.428525	0.051970833	0.076108333	0.334933333	0.531975	7.708333333	11.25
WV0067954	002	2004 to 2005	0.585	0.674916667	0.048404167	0.061820833	0.701166667	0.864916667	9.416666667	12.95833333
WV0068209	001	2003 to 2004	0.35	0.5	0.585454545	0.791818182	0.188181818	0.227272727	6.090909091	8.545454545
WV0068209	001	2004 to 2005	0.38	0.447777778	0.684444444	0.811111111	0.245555556	0.273333333	9	12.44444444
WV0068306	001	2003 to 2004	0.1366	0.183	0.5975	0.8324	1.2411	1.7251	6.7	11.2
WV0068306	001	2004 to 2005	0.195454545	0.310181818	0.843727273	1.221181818	0.809727273	1.167363636	4.954545455	7.909090909
WV0068306	009	2003 to 2004	0.0639	0.0679	0.673	0.8448	0.8928	1.1025	3.45	5.4
WV0068306	009	2004 to 2005	0.1925	0.240666667	0.89325	1.015583333	1.11425	1.398833333	9.5	14.08333333
WV0068306	012	2003 to 2004	0.4452	0.7295	0.8128	1.16	0.2314	0.2934	27.4	48.5
WV0068306	012	2004 to 2005	0.241333333	0.55175	0.624583333	1.218583333	0.194166667	0.256083333	15.58333333	40.5
WV0068306	013	2003 to 2004	0.1699	0.2153	0.8146	0.9516	1.0118	1.1301	3.8	5.4
WV0068306	013	2004 to 2005	0.185416667	0.253166667	0.725583333	0.924416667	0.646583333	0.869083333	7.375	17.08333333
WV0068306	014	2003 to 2004	0.3581	0.5324	0.6944	0.8626	0.3487	0.4099	21.05	31.8
WV0068306	014	2004 to 2005	0.4036	0.67	0.682	1.134	0.2134	0.3584	26.15	52.8
WV0068306	015	2003 to 2004	0.131	0.181	0.3968	0.5337	0.2622	0.3612	6.6	10.5
WV0068306	015	2004 to 2005	0.1805	0.24725	0.469916667	0.70925	0.264083333	0.37475	6.625	10.91666667
WV0068306	016	2003 to 2004	0.1094	0.1523	0.3194	0.4154	0.3223	0.4092	5.5	8.9
WV0068306	016	2004 to 2005	0.218583333	0.31075	0.55625	0.846166667	0.210083333	0.285916667	9.291666667	14.75
WV0068306	018	2003 to 2004	0.2587	0.4258	0.8402	1.2349	0.5533	0.7487	14.35	23
WV0068306	018	2004 to 2005	0.164583333	0.298833333	0.756	1.186083333	0.484333333	0.774583333	9.8125	16.25
WV0068306	019	2003 to 2004	0.1797	0.2413	0.4115	0.5493	0.9461	1.1795	10.3167	14.1
WV0068306	019	2004 to 2005	0.205636364	0.386545455	0.452727273	0.786818182	0.517272727	0.727181818	9.045454545	17.36363636
WV0068462	004	2003 to 2004		0.1		0.03		0.05		3
WV0068462	004	2004 to 2005								
WV0068462	006	2003 to 2004		0.14		0.03		0.05		3
WV0068462	006	2004 to 2005								
WV0068462	009	2003 to 2004		0.18		0.03		0.05		3
WV0068462	009	2004 to 2005								
WV0068462	012	2003 to 2004		0.11		0.04		0.02		3
WV0068462	012	2004 to 2005								
WV0068462	015	2003 to 2004		0.17		0.03		0.05		3
WV0068462	015	2004 to 2005								
WV0068471	010	2003 to 2004	0.28	0.54	1.07	1.88	0.605	0.87	9.25	14.33333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0068471	010	2004 to 2005								
WV0068471	017	2003 to 2004	0.2	0.2211111111	0.77875	0.9144444444	0.21375	0.2711111111	4.25	5.833333333
WV0068471	017	2004 to 2005							4.6	4.6
WV0068471	021	2003 to 2004	0.4975	0.85	0.85375	0.975	1.40625	1.975	12.875	20.25
WV0068471	021	2004 to 2005	0.784	1.34	1.07	1.24	1.06	1.602	18.2	30.2
WV0068471	022	2003 to 2004	0.499090909	0.646363636	1.374545455	1.625454545	1.311818182	1.783636364	9	11.28636364
WV0068471	022	2004 to 2005	0.560833333	0.595	1.331666667	1.491666667	0.924166667	1.033333333	9.727272727	11.90909091
WV0068471	023	2003 to 2004	0.452727273	0.583636364	1.041818182	1.306363636	0.931818182	1.022727273	15.6	19.5
WV0068471	023	2004 to 2005	0.412857143	0.52	0.562857143	0.654285714	0.882857143	0.931428571	9.142857143	10.85714286
WV0068471	024	2003 to 2004		0.799		1.045		0.691		21.25
WV0068471	024	2004 to 2005	0.13	0.13	1.17	1.17	0.18	0.18	16	16
WV0068471	026	2003 to 2004	1.07	1.384545455	0.122727273	0.135454545	0.491818182	0.673636364	7.681818182	10.31818182
WV0068471	026	2004 to 2005	1.73	2.54	0.19	0.24	0.92	1.26	13	14
WV0068471	030	2003 to 2004	0.25	0.385	0.3	0.545	0.27	0.22	1	1
WV0068471	030	2004 to 2005	0.471111111	0.494444444	0.825555556	0.838888889	0.275555556	0.287777778	18	18.22222222
WV0068471	031	2003 to 2004		0.34		0.37		0.28		2
WV0068471	031	2004 to 2005	0.366666667	0.381111111	0.794444444	0.835555556	0.241111111	0.254444444	7.111111111	7.444444444
WV0068560	001	2003 to 2004	7.50152775	8.3475	0.597083333	0.695833333	8.4518055	9.400833333	34.8402775	42.83333333
WV0068560	001	2004 to 2005	4.547708333	6.0125	1.493125	2.703333333	6.373333333	7.203333333	46.14583333	79.83333333
WV0068748	001	2003 to 2004	0.81	0.81	0.37	0.37	0.34	0.34	12	12
WV0068748	001	2004 to 2005								
WV0068764	001	2003 to 2004	0.373333333	0.488333333	0.1425	0.193333333	0.045833333	0.064166667	8.083333333	10
WV0068764	001	2004 to 2005	0.274166667	0.414166667	1.164166667	4.191666667	0.039166667	0.050833333	7.166666667	9
WV0068764	003	2003 to 2004	0.346666667	0.459166667	0.271666667	0.360833333	0.071666667	0.101666667	5.5	6.5
WV0068764	003	2004 to 2005	0.31	0.425833333	0.239166667	0.315	0.115833333	0.151666667	4.583333333	5
WV0068764	005	2003 to 2004	0.401666667	0.538333333	0.160833333	0.245	0.055833333	0.068333333	6.333333333	7.833333333
WV0068764	005	2004 to 2005	0.353333333	0.57	0.091666667	0.116666667	0.055	0.065833333	5.583333333	7.166666667
WV0068764	014	2003 to 2004	0.289166667	0.39	0.254166667	0.321666667	0.12	0.204166667	5.25	6.166666667
WV0068764	014	2004 to 2005	0.2625	0.400833333	0.210833333	0.250833333	0.0525	0.068333333	5	5.5
WV0068764	033	2003 to 2004	0.33	0.33	0.15	0.15	0.01	0.01	4	4
WV0068764	033	2004 to 2005	0.495	0.495	0.055	0.055	0.015	0.015	7	7
WV0069051	001	2003 to 2004	0.504545455	0.630909091	0.11	0.152727273	0.763	1.026	5.453636364	7.211818182
WV0069051	001	2004 to 2005	0.61	0.7375	0.094166667	0.114166667	0.791666667	1.129166667	6.028333333	7.2775
WV0069337	001	2003 to 2004	0.53	0.65	0.918	1.08	5.15	5.59	3.2	4.5
WV0069337	001	2004 to 2005		0.75		2.275		3.23		10.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0069337	002	2003 to 2004								
WV0069337	002	2004 to 2005			0.56	0.98	0.66	0.83		
WV0069396	001	2003 to 2004	0.05	0.073333333	0	0	0	0	0	0
WV0069396	001	2004 to 2005								
WV0069396	004	2003 to 2004	0.2125	0.2875	0	0	0	0	0	0
WV0069396	004	2004 to 2005	0.476666667	0.838333333	0	0	0.421666667	0.835833333	16.625	30.91666667
WV0069396	005	2003 to 2004	0.05	0.1	0	0	0	0	0	0
WV0069396	005	2004 to 2005	0.17	0.33	0	0	0	0	0	0
WV0069451	001	2003 to 2004	0.2975	0.305	0.3375	0.375	0.165	0.215	36.25	39.5
WV0069451	001	2004 to 2005								
WV0069531	001	2003 to 2004	0.2	0.3025	0.391666667	0.538333333	0.29375	0.38625	20.53125	35.57291667
WV0069531	001	2004 to 2005	0.057083333	0.0925	0.196666667	0.271666667	0.085208333	0.13	3.25	5.791666667
WV0069540	012	2003 to 2004		0		0		0		0
WV0069540	012	2004 to 2005								
WV0069701	001	2003 to 2004	0.0475	0.0475	0.0825	0.0825	0.08	0.08	2.4375	2.4375
WV0069701	001	2004 to 2005	0.02125	0.02125	0.0225	0.0225	0.04125	0.04125	2	2
WV0069701	002	2003 to 2004	0.0825	0.0825	0.1025	0.1025	0.0325	0.0325	2.4375	2.4375
WV0069701	002	2004 to 2005	0.0275	0.0275	0.03875	0.03875	0.00875	0.00875	2.25	2.25
WV0069701	003	2003 to 2004	0.07	0.07	0.203333333	0.203333333	0.163333333	0.163333333	1.916666667	1.916666667
WV0069701	003	2004 to 2005	0.03	0.03	0.15	0.15	0.05	0.05	0	0
WV0069701	006	2003 to 2004								
WV0069701	006	2004 to 2005	0.09	0.09	0.19	0.19	0.08	0.08	0	0
WV0069701	008	2003 to 2004	0.06625	0.06625	0.595	0.595	0.2525	0.2525	1.8125	1.8125
WV0069701	008	2004 to 2005	0.063333333	0.063333333	0.336666667	0.336666667	0.233333333	0.233333333	4.166666667	4.166666667
WV0090000	040	2003 to 2004	0.183333333	0.203333333	0.44	0.536666667	0.59	0.593333333	3.166666667	3.333333333
WV0090000	040	2004 to 2005	0.142	0.158	0.758	1.172	0.56	0.602	5.2	5.8
WV0090000	047	2003 to 2004	0.124090909	0.156818182	0.804318182	1.260909091	0.141666667	0.196666667	3.545454545	4.909090909
WV0090000	047	2004 to 2005	0.2025	0.225	0.5525	0.64	0.4	0.4625	3.5	3.5
WV0090000	051	2003 to 2004	0.186666667	0.203333333	0.52	0.72	0.086666667	0.103333333	3	3
WV0090000	051	2004 to 2005	0.2	0.226666667	0.53	0.596666667	0.13	0.213333333	4.666666667	4.666666667
WV0090000	054	2003 to 2004	10.63666667	10.63666667	0.13	0.13	0.063333333	0.063333333	3.333333333	3.333333333
WV0090000	054	2004 to 2005	0.64	0.64	0.07	0.07	0.05	0.05	3.333333333	3.333333333
WV0090000	055	2003 to 2004	0.383333333	0.546666667	0.366666667	0.39	0.103333333	0.116666667	5.166666667	7.333333333
WV0090000	055	2004 to 2005	0.415	0.421666667	0.445	0.558333333	0.176666667	0.228333333	3.75	3.833333333
WV0090000	057	2003 to 2004	0.254166667	0.339166667	0.305833333	0.420833333	0.065	0.078333333	3.729166667	5.166666667



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0090000	057	2004 to 2005	0.258333333	0.293333333	0.228333333	0.284166667	0.038333333	0.0475	3.25	3.416666667
WV0090000	060	2003 to 2004	0.218863636	0.365454545	0.987272727	1.320909091	0.154	0.218	6.136363636	8.818181818
WV0090000	060	2004 to 2005	0.226363636	0.247272727	0.739090909	0.97	0.135454545	0.204545455	3.5	3.909090909
WV0090000	061	2003 to 2004	0.41	0.41	0.143333333	0.143333333	0.05	0.05	3.666666667	3.666666667
WV0090000	061	2004 to 2005	0.22	0.22	0.113333333	0.113333333	0.05	0.05	3	3
WV0090000	065	2003 to 2004	0.156666667	0.2	1.123333333	1.48	0.103333333	0.12	3	3
WV0090000	065	2004 to 2005	0.17	0.17	1.14	1.14	0.1	0.1	7	7
WV0090000	067	2003 to 2004	0.216666667	0.216666667	0.106666667	0.106666667	0.05	0.05	3	3
WV0090000	067	2004 to 2005	0.245	0.245	0.13	0.13	0.0375	0.0375	4.25	4.25
WV0090000	068	2003 to 2004	0.308333333	0.379583333	1.6025	1.748333333	0.216666667	0.226666667	4.791666667	5.583333333
WV0090000	068	2004 to 2005	0.205	0.2225	1.3075	1.449166667	0.201666667	0.236666667	3.75	4.25
WV0090000	069	2003 to 2004	0.963333333	1.636666667	0.33625	0.49	0.095	0.126666667	4.125	5.083333333
WV0090000	069	2004 to 2005	0.23	0.28	0.476666667	0.575833333	0.130833333	0.2175	3.333333333	3.416666667
WV0090000	075	2003 to 2004	0.53	0.776666667	0.626666667	0.913333333	0.05	0.05	3.25	3.666666667
WV0090000	075	2004 to 2005	0.678571429	1.148571429	1.631428571	2.652857143	0.137142857	0.208571429	11.72142857	34
WV0090026	001	2003 to 2004	0.1	0.133333333	0.04	0.05	0.01	0.01	9.666666667	13
WV0090026	001	2004 to 2005	0.178888889	0.204444444	0.042222222	0.047777778	0.013333333	0.018888889	6.111111111	7.777777778
WV0090042	012	2003 to 2004	0.198409091	0.258636364	0.373636364	0.583636364		0	3.136363636	3.727272727
WV0090042	012	2004 to 2005	0.205	0.225	0.29375	0.34625			3.125	3.125
WV0090042	020	2003 to 2004	0.103333333	0.124444444	0.519444444	0.781111111		0	3.083333333	3.888888889
WV0090042	020	2004 to 2005	0.3	0.3	0.17	0.17			3	3
WV0090051	030	2003 to 2004	0.177916667	0.211666667	0.328333333	0.4925		0	4.583333333	5.75
WV0090051	030	2004 to 2005	0.325833333	0.5075	0.539166667	0.94			3.416666667	3.833333333
WV0090051	DSPC31	2003 to 2004	0.24	0.29	0.23	0.28		0		0
WV0090051	DSPC31	2004 to 2005								
WV0090051	USPCSB	2003 to 2004	0.17	0.19	0.23	0.31		0		0
WV0090051	USPCSB	2004 to 2005								
WV0090131	007	2003 to 2004	0.3275	0.468333333	0.499166667	0.6775	0.590833333	0.831666667	4.708333333	5.75
WV0090131	007	2004 to 2005	0.25	0.270909091	0.307272727	0.339090909	0.527272727	0.685454545	3.545454545	4
WV0090255	001	2003 to 2004	0.409090909	0.418181818	0.285909091	0.314545455	0.071818182	0.093636364	6.863636364	9.818181818
WV0090255	001	2004 to 2005	0.27575	0.285	0.3695	0.535454545	0.1695	0.210909091	12.05	17.54545455
WV0090255	002	2003 to 2004	0.45	0.481818182	0.283888889	0.393636364	0.041666667	0.062727273	7	11.81818182
WV0090255	002	2004 to 2005	0.5856	0.717454545	0.9785	1.179090909	0.147	0.215454545	8.45	11.18181818
WV0090255	003	2003 to 2004	0.4	0.4	0.270555556	0.341818182	0.089444444	0.136363636	3.611111111	5.545454545
WV0090255	003	2004 to 2005	0.377227273	0.468454545	0.657727273	0.829090909	0.085454545	0.113636364	4.545454545	7.272727273

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0090344	002	2003 to 2004	0.23625	0.323333333	0.35375	0.481666667	0.079583333	0.130833333	11.6875	15.16666667
WV0090344	002	2004 to 2005	0.272222222	0.345555556	0.336666667	0.431111111	0.056666667	0.072222222	10.41666667	15.16666667
WV0090344	003	2003 to 2004	0.187083333	0.238333333	0.3625	0.511666667	0.123333333	0.176666667	8.604166667	11.5
WV0090344	003	2004 to 2005	0.203333333	0.255555556	0.307777778	0.415555556	0.04	0.047777778	9.027777778	13.05555556
WV0090379	009	2003 to 2004	0.855454545	0.961818182	1.109090909	1.275454545	0.592727273	0.631818182	5.511363636	6.556818182
WV0090379	009	2004 to 2005	0.9365	1.084	1.055	1.222	0.499	0.544	11.625	15.85
WV0090484	002	2003 to 2004	0.629166667	0.766666667	0.214583333	0.265833333			9.333333333	13.75
WV0090484	002	2004 to 2005	0.363	0.366	0.12625	0.154166667	0.095	0.17	4.416666667	6
WV0090492	001	2003 to 2004	0.0425	0.026833333	0.105	0.07	0.015	0.01	0	0.333333333
WV0090492	001	2004 to 2005	0.043333333	0.043333333	0.126666667	0.126666667	0.032083333	0.032083333	1.666666667	1.666666667
WV0090492	004	2003 to 2004	0.194166667	0.194166667	0.289166667	0.289166667	0.0075	0.003	2.75	2.75
WV0090492	004	2004 to 2005	0.046666667	0.046666667	0.04625	0.04625	0.010833333	0.010833333	1.583333333	1.583333333
WV0090492	008	2003 to 2004	0.06	0.06	0.015	0.015	0.0125	0.0125	0	0
WV0090492	008	2004 to 2005	0.05	0.05	0.019166667	0.019166667	0.062083333	0.062083333	2.166666667	2.166666667
WV0090492	010	2003 to 2004	0.218333333	0.218333333	0.2025	0.2025	0.02	0.008	2.75	2.75
WV0090492	010	2004 to 2005	0.026666667	0.026666667	0.025833333	0.025833333	0.015	0.015	2	2
WV0090603	005	2003 to 2004	0.02	0.02625	0.053125	0.0775	0.010625	0.0125	2.1875	2.6875
WV0090603	005	2004 to 2005								
WV0090719	003	2003 to 2004	0.348958333	0.655	2.233958333	2.601666667			7.296875	12.85416667
WV0090719	003	2004 to 2005	0.134583333	0.185	1.095833333	1.204166667	0.215	0.23	3.479166667	4.041666667
WV0090942	DMC	2003 to 2004	0.4	0.4	0.62	0.62	0.19	0.19		0
WV0090942	DMC	2004 to 2005								
WV0090972	001	2003 to 2004	0.174285714	0.174285714	0.13	0.13	0.05	0.05	4	4
WV0090972	001	2004 to 2005	0.315	0.36	0.1575	0.1875	0.0275	0.035	3.5	4
WV0090972	013	2003 to 2004								
WV0090972	013	2004 to 2005	0.23	0.25	0.153333333	0.216666667	0.036666667	0.053333333	3	3
WV0091006	201	2003 to 2004			480	324.65	7.59	7.9625		
WV0091006	201	2004 to 2005			400	217.85	7.92	7.27		
WV0091014	001	2003 to 2004	0.2495	0.387	0.8415	1.001	0.2175	0.275	8.975	12.55
WV0091014	001	2004 to 2005	0.135909091	0.173772727	1.466818182	1.8065	0.639090909	0.8765	4.136363636	7.272863636
WV0091014	006	2003 to 2004	0.160357143	0.197142857	0.257142857	0.315714286	0.019285714	0.027142857	5.482142857	7
WV0091014	006	2004 to 2005	0.081666667	0.125	5.51	10.33	1.563333333	1.716666667	11.08333333	20
WV0091014	007	2003 to 2004	0.4315	0.592	0.7475	0.814	0.3055	0.345	11.8375	15.35
WV0091014	007	2004 to 2005	0.1305	0.18665	0.3945	0.43165	0.155	0.16565	2.475	2.60015
WV0091014	008	2003 to 2004	0.262272727	0.362727273	0.193636364	0.218181818	0.172727273	0.192727273	13.04545455	15.57954545

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0091014	008	2004 to 2005	0.092727273	0.093318182	0.092272727	0.094227273	0.031136364	0.032409091	5.795454545	6.545590909
WV0091014	009	2003 to 2004	0.340625	0.486666667	0.176041667	0.230833333	0.035625	0.0475	19.86979167	31.5625
WV0091014	009	2004 to 2005	0.336136364	0.538272727	0.169772727	0.248272727	0.017954545	0.019181818	9.409090909	11.81827273
WV0091014	010	2003 to 2004	0.05	0.068333333	0.112777778	0.138888889	0.023333333	0.034444444	2.319444444	2.402777778
WV0091014	010	2004 to 2005	0.016666667	0.018333333	0.231666667	0.253333333	0.08	0.086666667	3.916666667	4.333333333
WV0091014	012	2003 to 2004	0.506666667	0.829166667	0.23875	0.345833333	0.069583333	0.114166667	12.07291667	16.32291667
WV0091014	012	2004 to 2005	0.246666667	0.422541667	0.176041667	0.273375	0.074375	0.095458333	16.10416667	30.50004167
WV0091014	013	2003 to 2004	0.3275	0.371666667	0.311666667	0.33	0.03	0.033333333	22.94791667	24.25
WV0091014	013	2004 to 2005	0.176666667	0.190666667	0.225555556	0.249555556	0.034722222	0.036222222	6.166666667	6.944555556
WV0091014	014	2003 to 2004	0.17875	0.275	0.18875	0.26	0.321666667	0.423333333	7.473958333	10.35416667
WV0091014	014	2004 to 2005	0.130833333	0.183375	0.269583333	0.328375	0.219375	0.240875	4.9375	8.125041667
WV0091049	001	2003 to 2004	0.627142857	0.708571429	0	0	0.857142857	1.142857143	5.142857143	7.857142857
WV0091049	001	2004 to 2005	0.268571429	0.34	0.317777778	0.43	0.188888889	0.341111111	3.333333333	5.111111111
WV0091189	001	2003 to 2004	0.092854167	0.124541667	0.483945833	0.569225	0.097966667	0.1376	6.541666667	11
WV0091189	001	2004 to 2005	0.236666667	0.298333333	0.464166667	0.579166667	0.0575	0.07	5.713333333	8.583333333
WV0091197	004	2003 to 2004	0.04	0.07	0	0	0	0	0	0
WV0091197	004	2004 to 2005								
WV0091197	005	2003 to 2004	0.185833333	0.26	0.969166667	0	0	0	11.08333333	17.79166667
WV0091197	005	2004 to 2005	0.359090909	0.52	0.941363636	0	0	0	0	0
WV0091201	007	2003 to 2004								
WV0091201	007	2004 to 2005	2.151666667	4.278333333	1.0525	2.1	0	0	0	0
WV0091324	002	2003 to 2004	0.248333333	0.305	0.379166667	0.5125	0.2775	0.324166667	3.166666667	3.333333333
WV0091324	002	2004 to 2005	0.29	0.3725	0.234166667	0.326666667	0.399166667	0.52	6.139166667	10.58333333
WV0091324	201	2003 to 2004	5.653333333	5.653333333	1.186666667	1.186666667	2.94	2.94		0
WV0091324	201	2004 to 2005	5.235	5.235	2.12	2.12	3.08	3.08		
WV0091324	D-2	2003 to 2004	0.24	0.36	0.17	0.2	0.14	0.22		0
WV0091324	D-2	2004 to 2005								
WV0091324	U-2	2003 to 2004	0.14	0.14	0.16	0.23	0.1	0.14		0
WV0091324	U-2	2004 to 2005								
WV0091405	001	2003 to 2004	0.742727273	1.38	3.186363636	4.838181818	3.05	4.478181818	15.27840909	21.36363636
WV0091405	001	2004 to 2005	0.239318182	0.348181818	1.134545455	1.443636364	2.450454545	2.833636364	2.386363636	3.863636364
WV0091405	003	2003 to 2004	0.253298608	0.54	4.933298558	10.40916667	4.2225695	8.573333333	22.87847167	58.64583333
WV0091405	003	2004 to 2005	0.308333333	0.485833333	0.82	1.178333333	0.840833333	1.031666667	19.85416667	32.95833333
WV0091405	005	2003 to 2004	0.4746875	0.875	0.904375	1.59375	0.16375	0.22375	21.6640625	30.9375
WV0091405	005	2004 to 2005	0.0575	0.092916667	0.1875	0.249166667	0.074791667	0.11	3.583333333	6.375

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0091499	001	2003 to 2004								
WV0091499	001	2004 to 2005			0.2335	0.2335	1.517	1.517	2.3	2.3
WV0091901	001	2003 to 2004	0.115416667	0.165	0.36625	0.485	0.165833333	0.2	7.083333333	9.5
WV0091901	001	2004 to 2005	0.083333333	0.106666667	0.55	0.742222222	0.187777778	0.242222222	8.222222222	10.61111111
WV0091901	015	2003 to 2004	0.0875	0.120833333	0.52625	0.805	0.2025	0.255	5.3125	6.916666667
WV0091901	015	2004 to 2005	0.19	0.227777778	1.246666667	1.62	0.651111111	0.755555556	5.944444444	8.111111111
WV0091952	004	2003 to 2004	0.19	0.19	0.12	0.12	0.05	0.05	3	3
WV0091952	004	2004 to 2005								
WV0091952	005	2003 to 2004	0.153181818	0.176363636	0.599090909	0.723636364	0.133636364	0.147272727	3.045454545	3.090909091
WV0091952	005	2004 to 2005	0.18	0.22375	0.57	0.7575	0.1125	0.12375	3.375	3.625
WV0091952	011	2003 to 2004	0.149	0.172	0.0395	0.044	0.05	0.05	3	3
WV0091952	011	2004 to 2005	0.155	0.18	0.03	0.03375	0.02625	0.03	3	3
WV0091952	012	2003 to 2004	0.15	0.1975	0.139583333	0.159166667	0.093333333	0.094444444	3	3
WV0091952	012	2004 to 2005	0.175	0.218333333	0.168333333	0.199166667	0.205454545	0.210909091	3	3
WV0091952	DSDF02	2003 to 2004	0.163333333	0.206666667	0.166666667	0.19	0.05	0.05	3	3
WV0091952	DSDF02	2004 to 2005	0.2125	0.25	0.150833333	0.169166667	0.089166667	0.095	3	3
WV0091952	DSJF08	2003 to 2004	0.153333333	0.173333333	0.09	0.113333333	0.05	0.05	3	3
WV0091952	DSJF08	2004 to 2005	0.230833333	0.289166667	0.174166667	0.259166667	0.04	0.048571429	3	3
WV0091952	USDF01	2003 to 2004	0.213333333	0.226666667	0.26	0.326666667	0.05	0.05	3	3
WV0091952	USDF01	2004 to 2005	0.205833333	0.235	0.211666667	0.2425	0.029166667	0.030833333	3	3
WV0091952	USJF07	2003 to 2004	0.146666667	0.156666667	0.086666667	0.093333333	0.05	0.05	3	3
WV0091952	USJF07	2004 to 2005	0.2125	0.259166667	0.1725	0.266666667	0.036666667	0.046666667	3	3
WV0092142	003	2003 to 2004	0.3875	0.585	0.56625	0.92625		0	3	3
WV0092142	003	2004 to 2005	0.287	0.325	0.137	0.185			3.1	3.2
WV0092142	DSS	2003 to 2004	0.32	0.34	0.34	0.37		0		0
WV0092142	DSS	2004 to 2005								
WV0092142	UNS	2003 to 2004	0.39	0.42	0.38	0.43		0		0
WV0092142	UNS	2004 to 2005								
WV0092142	USS	2003 to 2004	0.27	0.29	0.49	0.49		0		0
WV0092142	USS	2004 to 2005								
WV0092398	001	2003 to 2004	0.1049	0.1447	0.29	0.4459	0.0984	0.1637	6.2	8.4
WV0092398	001	2004 to 2005	0.166666667	0.214166667	0.195833333	0.241666667	0.071833333	0.095333333	7.154166667	9.19
WV0092398	002	2003 to 2004	0.115388889	0.161	0.193388889	0.242111111	0.047333333	0.062555556	9.222222222	10
WV0092398	002	2004 to 2005	0.101111111	0.107777778	0.214444444	0.23	0.041111111	0.045555556	10.30888889	10.80888889
WV0092649	001	2003 to 2004	0.4	0.4	0.27875	0.3675	0.035416667	0.045	6.041666667	8.75

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0092649	001	2004 to 2005	0.4	0.4	0.255	0.336666667	0.035833333	0.044166667	5.916666667	9.916666667
WV0092649	002	2003 to 2004								
WV0092649	002	2004 to 2005	0.4	0.4	0.324285714	0.391428571	0.225	0.25	13.64285714	17.42857143
WV0092649	003	2003 to 2004								
WV0092649	003	2004 to 2005	0.4	0.4	0.314090909	0.416363636	0.078181818	0.19	7.136363636	9.545454545
WV0092649	019	2003 to 2004		0.4		0.08		0.02		7
WV0092649	019	2004 to 2005								
WV0092649	020	2003 to 2004		0.4		0.12		0.02		9
WV0092649	020	2004 to 2005								
WV0092649	021	2003 to 2004		0.4		0.2		0.03		5
WV0092649	021	2004 to 2005	0.4	0.4	0.14	0.16	0.04	0.05	10	12
WV0092649	022	2003 to 2004		0.4		0.18		0.02		2
WV0092649	022	2004 to 2005								
WV0092649	023	2003 to 2004		0.4		0.16		0.02		1
WV0092649	023	2004 to 2005	0.4	0.4	0.105	0.11	0.075	0.12	24	36
WV0092649	026	2003 to 2004								
WV0092649	026	2004 to 2005	0.7	1	0.5775	0.82	0.375	0.625	3.75	5
WV0092649	029	2003 to 2004		0.4		0.43		0.05		5
WV0092649	029	2004 to 2005								
WV0092649	030	2003 to 2004		0.4		0.45		0.05		4
WV0092649	030	2004 to 2005								
WV0092649	031	2003 to 2004		0.4		0.41		0.05		9
WV0092649	031	2004 to 2005								
WV0092649	032	2003 to 2004		0.4		0.53		0.05		20
WV0092649	032	2004 to 2005								
WV0092649	034	2003 to 2004		0.4		0.61		0.05		17
WV0092649	034	2004 to 2005								
WV0092797	001	2003 to 2004	0.311818182	0.398181818	0	0	0	0	0	0
WV0092797	001	2004 to 2005	0.44	0.575833333	0	0	0	0	0	0
WV0092797	006	2003 to 2004	0.214285714	0.302857143	0	0	0	0	0	0
WV0092797	006	2004 to 2005	0.4	0.656666667	0	0	0	0	0	0
WV0092835	003	2003 to 2004	1.224166667	1.914166667	0.420833333	0.569166667	0.091666667	0.124166667	11.38916667	15.30416667
WV0092835	003	2004 to 2005	0.375454545	0.463636364	0.182727273	0.227272727	0.071818182	0.092727273	6.696363636	8.242727273
WV0092860	DSB	2003 to 2004	0.293333333	0.4425	0	0	0	0		
WV0092860	DSB	2004 to 2005	0.395833333	0.6025	0	0	0	0		

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0093041	001	2003 to 2004	0.13625	0.1425	0.043125	0.0525	0.013125	0.01875	3.65625	3.78125
WV0093041	001	2004 to 2005								
WV0093050	005	2003 to 2004	0.113333333	0.130833333	0.681666667	0.973333333	1.005	1.22	3.361666667	3.5275
WV0093050	005	2004 to 2005	0.048333333	0.061666667	0.4925	0.633333333	0.811666667	1.006666667	3.25	3.5
WV0093050	007	2003 to 2004	0.122	0.141	0.11	0.117	0.782	0.893	3.149	3.233
WV0093050	007	2004 to 2005	0.065555556	0.073333333	0.115555556	0.143333333	0.313333333	0.434444444	3.555555556	4.111111111
WV0093050	010	2003 to 2004	0.114444444	0.123333333	0.27	0.298	0.221	0.255	3.45	3.8
WV0093050	010	2004 to 2005	0.05	0.054285714	0.278571429	0.284285714	0.214285714	0.214285714	3.357142857	3.714285714
WV0093050	025	2003 to 2004	0.293333333	0.3525	0.709166667	0.789166667	0.598333333	0.659166667	4.845833333	6.108333333
WV0093050	025	2004 to 2005	0.431428571	0.561428571	0.404285714	0.46	0.492857143	0.625714286	4.858571429	5.762857143
WV0093050	027	2003 to 2004	0.32	0.32	0.25	0.25	0.36	0.36	3.66	3.66
WV0093050	027	2004 to 2005	0.43	0.43	0.283333333	0.283333333	0.646666667	0.646666667	9.723333333	9.723333333
WV0093050	035	2003 to 2004	0.53	0.641111111	0.381111111	0.485555556	0.81	0.833333333	6.314444444	8.592222222
WV0093050	035	2004 to 2005	0.43	0.448571429	0.347142857	0.39	0.548571429	0.572857143	7.191428571	8.62
WV0093050	043	2003 to 2004	0.47	0.726	0.547272727	0.710909091	0.210909091	0.22	12.41	15.60636364
WV0093050	043	2004 to 2005	0.283333333	0.43	0.414444444	0.643333333	0.168888889	0.175555556	8.906666667	11.37
WV0093076	003	2003 to 2004	0.064375	0.096666667	0.27625	0.358333333	0.083958333	0.120833333	7.375	11.14583333
WV0093076	003	2004 to 2005	0.057916667	0.089583333	0.21625	0.2725	0.059166667	0.07375	5.145833333	8.083333333
WV0093076	006	2003 to 2004	0.070227273	0.095	0.085227273	0.116363636	0.012045455	0.017727273	2.75	3.409090909
WV0093076	006	2004 to 2005	0.0595	0.078	0.0595	0.09	0.0125	0.016	6.45	11.8
WV0093122	001	2003 to 2004	0.112857143	0.132857143	0.037142857	0.037142857	0.01	0.01	4.714285714	6.428571429
WV0093122	001	2004 to 2005	0.125	0.125	0.03	0.03	0.01	0.01	3	3
WV0093122	003	2003 to 2004	0.078181818	0.092727273	0.8	0.887272727	0.1	0.116363636	9.090909091	10.90909091
WV0093122	003	2004 to 2005	0.039166667	0.0575	0.66	0.798333333	0.091041667	0.115833333	5	8.208333333
WV0093122	004	2003 to 2004	0.108	0.12	0.038	0.048	0.052	0.052	1.4	1.4
WV0093122	004	2004 to 2005	0.050208333	0.076666667	0.11	0.180416667	0.051875	0.090416667	5.541666667	9.75
WV0093122	005	2003 to 2004	0.076363636	0.092727273	0.182727273	0.209090909	0.101818182	0.124545455	3.636363636	4.727272727
WV0093122	005	2004 to 2005	0.050625	0.080833333	0.093541667	0.149583333	0.047083333	0.08125	5.4375	9.708333333
WV0093165	001	2003 to 2004	0.722857143	0.828571429	0.072857143	0.077142857	1.021428571	1.197142857	6.38	6.904285714
WV0093165	001	2004 to 2005	0.762	1.034	0.07	0.07	1.048	1.282	4.266	4.932
WV0093165	002	2003 to 2004	0.485	0.650833333	0.089166667	0.126666667	0.839166667	1.144166667	4.830833333	6.5225
WV0093165	002	2004 to 2005	0.386363636	0.498181818	0.085454545	0.100909091	0.836363636	1.211818182	3.924545455	4.849090909
WV0093165	003	2003 to 2004	0.595	0.876666667	0.441666667	0.703333333	1.088333333	1.388333333	6.76	9.139166667
WV0093165	003	2004 to 2005	0.567272727	0.740909091	0.287272727	0.478181818	0.985454545	1.261818182	6.132727273	8.63
WV0093211	001	2003 to 2004	0.4	0.510666667	0.135	0.213333333	0.025	0.053333333	12	8.333333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0093211	001	2004 to 2005	0.387	0.387	0.05	0.05	0.04	0.04	1	1
WV0093211	002	2003 to 2004	0.087	0.134	0.365	0.325	0.29	0.255	17	6.5
WV0093211	002	2004 to 2005								
WV0093211	003	2003 to 2004								
WV0093211	003	2004 to 2005		0.202		0.19		0.07		1
WV0093211	004	2003 to 2004	0.411863636	0.445454545	0.151363636	0.214545455	0.193636364	0.257272727	7.5	10.27272727
WV0093211	004	2004 to 2005		0.0865		0.08		0.02		4
WV0093211	005	2003 to 2004	0.619375	0.6875	0.97875	1.32	0.25	0.52	27.125	39
WV0093211	005	2004 to 2005								
WV0093211	010	2003 to 2004	0.0555	0.309333333	0.095	0.123333333	0.035	0.046	1	9
WV0093211	010	2004 to 2005	0.2538	0.4115	0.212	0.195	0.086	0.078	6.8	6.7
WV0093211	016	2003 to 2004								
WV0093211	016	2004 to 2005	0.234	0.2895	0.07	0.0775	0.201666667	0.25	1.833333333	1.75
WV0093211	017	2003 to 2004								
WV0093211	017	2004 to 2005	0.201	0.238	0.335	0.5	0.71	0.78	3	4
WV0093319	002	2003 to 2004	0.396666667	0.573333333	0.348333333	0.469166667	0.263333333	0.360833333	5.5	6.5
WV0093319	002	2004 to 2005	0.328333333	0.478333333	0.219166667	0.31	0.2375	0.4125	5.916666667	7.833333333
WV0093319	006	2003 to 2004	0.385	0.5375	0.116666667	0.170833333			4	4
WV0093319	006	2004 to 2005	0.275833333	0.376666667	0.0675	0.1075	0.01	0.01	5.5	6.833333333
WV0093319	049	2003 to 2004	0.53	0.625454545	0.411818182	0.491818182	0.203636364	0.269090909	4.545454545	5.090909091
WV0093319	049	2004 to 2005	0.3625	0.50125	0.19625	0.27875	0.0225	0.0275	4.875	5.5
WV0093505	004	2003 to 2004	0.205833333	0.261666667	0.324166667	0.5125	0.1525	0.17	11.54545455	15.90909091
WV0093505	004	2004 to 2005	0.3475	0.4675	0.135	0.175	0.1575	0.203333333	7.833333333	9.25
WV0093505	005	2003 to 2004	0.09	0.09	0.27	0.27	0.22	0.22	9	9
WV0093505	005	2004 to 2005								
WV0093505	006	2003 to 2004	0.190833333	0.231666667	0.405	0.460833333	0.09	0.101666667	7.636363636	10.54545455
WV0093505	006	2004 to 2005	0.133333333	0.1825	0.3675	0.465833333	0.136666667	0.155	8.833333333	12.33333333
WV0093505	008	2003 to 2004	0.287272727	0.333636364	0.235	0.299166667	0.12	0.145	5.272727273	7.636363636
WV0093505	008	2004 to 2005	0.149090909	0.196363636	0.124166667	0.16	0.0975	0.143333333	2.25	2.583333333
WV0093505	009	2003 to 2004	0.319166667	0.43	0.605833333	0.73	0.0575	0.060833333	10.33333333	12.83333333
WV0093505	009	2004 to 2005	0.240833333	0.305	0.44	0.565833333	0.044166667	0.0525	3	4
WV0093505	010	2003 to 2004	0.446666667	0.565833333	0.418333333	0.5975	0.08	0.094166667	6	8.166666667
WV0093505	010	2004 to 2005	0.285	0.334166667	0.210833333	0.253333333	0.026666667	0.031666667	4.25	6.5
WV0093505	011	2003 to 2004	0.216666667	0.295833333	0.3325	0.465833333	0.144166667	0.155	6.454545455	7.727272727
WV0093505	011	2004 to 2005	0.143333333	0.209166667	0.179166667	0.244166667	0.104166667	0.115833333	5.583333333	7.75

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0093505	012	2003 to 2004	0.135833333	0.174166667	0.24	0.295833333	0.085	0.115833333	3.363636364	4.909090909
WV0093505	012	2004 to 2005	0.103636364	0.134545455	0.181818182	0.225454545	0.063636364	0.075454545	2.636363636	3.545454545
WV0093505	013	2003 to 2004	0.178333333	0.211666667	0.330833333	0.42	0.081666667	0.083333333	4.909090909	5.636363636
WV0093505	013	2004 to 2005	0.12625	0.15	0.16125	0.18	0.02375	0.02625	3.125	4.125
WV0093505	016	2003 to 2004	0.181818182	0.238181818	0.269090909	0.408181818	0.121818182	0.139090909	5.888888889	8.222222222
WV0093505	016	2004 to 2005	0.209166667	0.301666667	0.208333333	0.318333333	0.1	0.1375	5.416666667	7.666666667
WV0093505	019	2003 to 2004	0.274545455	0.362727273	0.558181818	0.68	0.109090909	0.12	8.636363636	11.18181818
WV0093505	019	2004 to 2005	0.264	0.367	0.434	0.544	0.168	0.203	6.5	9.6
WV0093505	021	2003 to 2004	0.348333333	0.434166667	0.449166667	0.569166667	0.0425	0.045833333	6.5	9
WV0093505	021	2004 to 2005	0.423333333	0.566666667	0.352222222	0.381111111	0.041111111	0.048888889	6.222222222	6.888888889
WV0093505	022	2003 to 2004	0.155714286	0.168571429	0.325714286	0.341428571	0.097142857	0.108571429	7.571428571	8.714285714
WV0093505	022	2004 to 2005	0.2375	0.305	0.32	0.39375	0.0325	0.0325	2.625	3.125
WV0093505	023	2003 to 2004	0.854	1.25	0.873	1.294	0.18	0.18	21.1	27.9
WV0093505	023	2004 to 2005	0.608181818	0.751818182	0.418333333	0.544166667	1.14	1.58	6.333333333	9
WV0093505	024	2003 to 2004	0.105	0.13	0.1	0.115	0.055	0.07	3.5	4.5
WV0093505	024	2004 to 2005	0.356666667	0.49	0.33	0.433333333	0.02	0.02	2.666666667	2.666666667
WV0093530	001	2003 to 2004			0.01	0.01	0.01	0.01	29	29
WV0093530	001	2004 to 2005								
WV0093530	002	2003 to 2004			0.74	0.74	0.34	0.34	22	22
WV0093530	002	2004 to 2005								
WV0093530	003	2003 to 2004			0.15	0.15	0.0175	0.0175	8.5	8.5
WV0093530	003	2004 to 2005								
WV0093530	005	2003 to 2004			0.48	0.48	0.14	0.14	58	58
WV0093530	005	2004 to 2005	0.14	0.14	1.47	1.47	0.19	0.19	0	0
WV0093530	006	2003 to 2004			0.141875	0.15875	0.030625	0.03875	1.96875	2.421875
WV0093530	006	2004 to 2005	0.086071429	0.141428571	0.188333333	0.244444444	0.044722222	0.054444444	4.722222222	8.222222222
WV0093530	007	2003 to 2004			0.131	0.131	0.023	0.023	2.25	2.25
WV0093530	007	2004 to 2005	0.12	0.12	0.23	0.23	0.0175	0.0175	2.25	2.25
WV0093530	013	2003 to 2004			0.015555556	0.021111111	0.013611111	0.018888889	1.972222222	2.291666667
WV0093530	013	2004 to 2005	0.0255	0.038	0.0235	0.038	0.01025	0.0145	1.15	1.45
WV0093530	016	2003 to 2004			0.425	0.734444444	0.398888889	0.544444444	40.4375	75.27777778
WV0093530	016	2004 to 2005	0.544	0.662	0.177	0.2135	0.18525	0.231	8.75	11
WV0093530	017	2003 to 2004			0.0471875	0.05875	0.28	0.30125	2.390625	3.1875
WV0093530	017	2004 to 2005	0.02875	0.04375	0.020625	0.033125	0.0171875	0.020625	0.71875	0.9375
WV0093530	019	2003 to 2004			0.1005	0.116	0.0615	0.068	3.05	3.45



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0093530	019	2004 to 2005	0.0175	0.025	0.3365	0.368	0.038	0.045	1.65	1.9
WV0093530	021	2003 to 2004			0.0425	0.057222222	0.071944444	0.1	2.185185222	2.736111111
WV0093530	021	2004 to 2005	0.0805	0.116	0.0295	0.0415	0.02625	0.0365	1.125	1.5
WV0093530	022	2003 to 2004	0.0675	0.075	0.10875	0.125	0.013125	0.0175	2.4375	2.4375
WV0093530	022	2004 to 2005	0.0875	0.11	0.105	0.123333333	0	0	1	1.166666667
WV0093548	001	2003 to 2004	0.302	0.392	0.352	0.45	0.028	0.04	9.734	11.334
WV0093548	001	2004 to 2005								
WV0093548	002	2003 to 2004	0.2	0.256666667	0.411111111	0.576666667	0.207777778	0.27	8.943333333	9.368888889
WV0093548	002	2004 to 2005	0.04	0.051111111	0.195555556	0.243333333	0.032222222	0.042222222	3.647777778	4.295555556
WV0093556	001	2003 to 2004	0.270833333	0.323333333	0.403333333	0.620833333	0.821666667	0.9475	2.583333333	3.666666667
WV0093556	001	2004 to 2005	0.233333333	0.275	0.2325	0.296666667	0.5075	0.654166667	5.458333333	8.916666667
WV0093556	003	2003 to 2004	1.618	2.038	1.751	2.263	0.296	0.406	17.9	21.5
WV0093556	003	2004 to 2005	0.901666667	1.2175	1.068333333	1.605833333	0.333333333	0.409166667	15.83333333	19.5
WV0093556	004	2003 to 2004	1.295	1.538	0.392	0.533	0.318	0.406	7.2	9
WV0093556	004	2004 to 2005	1.206666667	1.436666667	0.576666667	0.871666667	0.868333333	1.183333333	5.5	6.666666667
WV0093556	005	2003 to 2004	0.6	0.7125	0.455	0.6625	0.215	0.245	8	11
WV0093556	005	2004 to 2005	0.5	0.5	0.22875	0.23	0.17625	0.17625	10.25	10.625
WV0093751	003	2003 to 2004			0.125	0.168333333	7.625833333	9.245833333	8.833333333	11.16666667
WV0093751	003	2004 to 2005	1.37	1.788333333	0.235454545	0.338181818	5.697272727	7.097272727	19.72727273	28.36363636
WV0093751	005	2003 to 2004			0.114166667	0.15	7.879166667	10.30583333	12.25	15.33333333
WV0093751	005	2004 to 2005	1.04	1.292857143	0.131666667	0.168333333	11.60666667	13.7775	16.08333333	20.83333333
WV0093751	006	2003 to 2004			0.69	0.948333333	2.31	2.56	30.83333333	42.66666667
WV0093751	006	2004 to 2005								
WV0093751	019	2003 to 2004	0.215	0.215	0.48	0.48	6.56	6.56	6	6
WV0093751	019	2004 to 2005								
WV0093751	026	2003 to 2004	0.345833333	0.46	0.185833333	0.231666667	0.13	0.17	5.416666667	7.166666667
WV0093751	026	2004 to 2005	0.3475	0.484166667	0.171666667	0.236666667	0.1325	0.179166667	4.75	5.5
WV0093751	042	2003 to 2004	0.991666667	2.1975	1.194166667	2.814166667	1.470833333	2.0025	14.33333333	25
WV0093751	042	2004 to 2005	0.455	0.688333333	0.531666667	1.115833333	1.530833333	2.048333333	11.08333333	14.33333333
WV0093751	DSTF	2003 to 2004								
WV0093751	DSTF	2004 to 2005	0.375	0.725	0.175	0.25	0.115	0.125		
WV0093840	010	2003 to 2004		0.29		0.07		0.11		9
WV0093840	010	2004 to 2005								
WV0093874	DSDC	2003 to 2004	0.15	0.21	0.24	0.25	0.05	0.05		0
WV0093874	DSDC	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0093874	USDC	2003 to 2004	0.12	0.12	0.24	0.26	0.06	0.06		0
WV0093874	USDC	2004 to 2005								
WV0093912	001	2003 to 2004	0.79	0.395	0.05375	0.06125	0.0625	0.06375	3	3
WV0093912	001	2004 to 2005			0.0925	0.1125	0.08375	0.13125	3.0625	3.125
WV0093912	002	2003 to 2004	0.87	0.29	0.074166667	0.094166667	0.05	0.05	3.041666667	3.083333333
WV0093912	002	2004 to 2005			0.185833333	0.306666667	0.0475	0.0725	7.416666667	11.83333333
WV0093912	003	2003 to 2004			0.335	0.335	0.12	0.12	3	3
WV0093912	003	2004 to 2005			0.06	0.06	0.02	0.02	3	3
WV0093912	004	2003 to 2004		0	0.123333333	0.161666667	0.053333333	0.055833333	3.333333333	3.666666667
WV0093912	004	2004 to 2005			0.101666667	0.119166667	0.045	0.055833333	3.5	3.916666667
WV0093912	005	2003 to 2004		0	0.098571429	0.115714286	0.064285714	0.072857143	3	3
WV0093912	005	2004 to 2005			0.08	0.103333333	0.06	0.09	3	3
WV0093912	006	2003 to 2004	0.68	0.34	0.12	0.131111111	0.066666667	0.068888889	3.055555556	3.111111111
WV0093912	006	2004 to 2005			0.08	0.086	0.039	0.043	3.05	3.1
WV0093912	007	2003 to 2004	0.65	0.216666667	0.12	0.153636364	0.07	0.081818182	3	3
WV0093912	007	2004 to 2005			0.092727273	0.111818182	0.057272727	0.069090909	3.272727273	3.545454545
WV0093912	012	2003 to 2004	0.166666667	0.190833333	0.1025	0.148333333	0.051666667	0.051666667	3	3
WV0093912	012	2004 to 2005	0.2	0.229166667	0.06	0.073333333	0.049166667	0.060833333	3.083333333	3.166666667
WV0093912	013	2003 to 2004	0.151666667	0.1675	0.061666667	0.076666667	0.140833333	0.179166667	3.416666667	3.833333333
WV0093912	013	2004 to 2005	0.17	0.191666667	0.048333333	0.053333333	0.128333333	0.14	3.125	3.166666667
WV0093912	014	2003 to 2004	0.221666667	0.288333333	0.23	0.265	0.408333333	0.44	4	5
WV0093912	014	2004 to 2005	0.206666667	0.229166667	0.204166667	0.2275	0.358333333	0.388333333	3.083333333	3.166666667
WV0093912	018	2003 to 2004	0.2825	0.2975	0.125	0.1325	0.055	0.055	3	3
WV0093912	018	2004 to 2005	0.27	0.28	0.17	0.17	0.05	0.05	5	6
WV0093912	020	2003 to 2004								
WV0093912	020	2004 to 2005	0.46	0.65	0.126666667	0.19	0.966666667	1.71	3.666666667	4.333333333
WV0093912	021	2003 to 2004	0.2	0.222857143	0.097142857	0.14	0.05	0.05	3.285714286	3.571428571
WV0093912	021	2004 to 2005	0.205	0.21	0.1575	0.1625	0.0375	0.0375	10	10.25
WV0093912	022	2003 to 2004	0.17	0.214166667	0.0725	0.095	0.053333333	0.056666667	3	3
WV0093912	022	2004 to 2005	0.1725	0.2125	0.0475	0.0575	0.03	0.035833333	3.083333333	3.083333333
WV0093912	023	2003 to 2004	0.125	0.125	0.11	0.11	0.085	0.085	3	3
WV0093912	023	2004 to 2005	0.22	0.22	0.09	0.09	0.04	0.04	3	3
WV0093912	030	2003 to 2004	0.186	0.2	0.11	0.114	0.06	0.06	3	3
WV0093912	030	2004 to 2005	0.21	0.21	0.0575	0.06	0.03	0.03	3.25	3.5
WV0093912	033	2003 to 2004	0.1675	0.206666667	0.105833333	0.135	0.119166667	0.135	4.416666667	5.583333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0093912	033	2004 to 2005	0.180833333	0.215	0.11	0.166666667	0.079166667	0.1	3.25	3.416666667
WV0093912	034	2003 to 2004	0.221	0.257	0.213	0.268	0.132	0.14	3.7	4.4
WV0093912	034	2004 to 2005	0.303636364	0.370909091	0.253636364	0.356363636	0.115454545	0.144545455	6.5	9.363636364
WV0093912	041	2003 to 2004	0.19	0.212857143	0.168571429	0.187142857	0.06	0.065714286	3	3
WV0093912	041	2004 to 2005	0.2225	0.2375	0.20625	0.21125	0.065	0.0675	3.375	3.5
WV0093929	004	2003 to 2004	0.430909091	0.605454545	0.614166667	0.745833333	0.991666667	1.0525	10.75	13.25
WV0093929	004	2004 to 2005	0.4775	0.5975	0.839166667	1.05	1.0325	1.164166667	10.08333333	15.08333333
WV0093929	005	2003 to 2004	0.72	0.826666667	0.186666667	0.226666667	0.058333333	0.065	14.08333333	22
WV0093929	005	2004 to 2005	0.1	0.1	0.12	0.12	0.05	0.05	3	3
WV0093929	006	2003 to 2004	0.36	0.39	0.2225	0.2375	0.0525	0.0525	4.125	4.5
WV0093929	006	2004 to 2005								
WV0093929	012	2003 to 2004	1.2	1.446666667	0.434166667	0.546666667	0.294166667	0.366666667	9.458333333	13.66666667
WV0093929	012	2004 to 2005	0.478333333	0.571666667	0.3675	0.445	0.3925	0.521666667	4.541666667	5.333333333
WV0093929	015	2003 to 2004	0.515	0.69	0.996666667	1.08	0.606666667	0.6775	19.08333333	31.08333333
WV0093929	015	2004 to 2005	0.376666667	0.449166667	0.9025	1.1225	0.595	0.6975	10.41666667	14.83333333
WV0093929	017	2003 to 2004	0.14	0.14	0.73	0.73	0.52	0.52	3	3
WV0093929	017	2004 to 2005	0.18	0.18	0.03	0.03	0.01	0.01	3	3
WV0093929	038	2003 to 2004	0.1725	0.205833333	0.114166667	0.131666667	0.065	0.068333333	3.375	3.75
WV0093929	038	2004 to 2005	0.2075	0.250833333	0.388333333	0.694166667	0.056666667	0.068333333	3.375	3.666666667
WV0093929	040	2003 to 2004	0.189166667	0.2225	0.083333333	0.108333333	0.078333333	0.090833333	3	3
WV0093929	040	2004 to 2005	0.231666667	0.263333333	0.058333333	0.075833333	0.065	0.076666667	3.166666667	3.25
WV0093929	041	2003 to 2004		0	0.163333333	0.2025	0.071666667	0.081666667	3.041666667	3.083333333
WV0093929	041	2004 to 2005			0.210833333	0.298333333	0.0875	0.118333333	7.75	12.08333333
WV0093929	044	2003 to 2004	0.193333333	0.193333333	0.076666667	0.076666667	0.060833333	0.060833333	3.083333333	3.083333333
WV0093929	044	2004 to 2005	0.23	0.23	0.076666667	0.076666667	0.068333333	0.068333333	3.166666667	3.166666667
WV0093980	001	2003 to 2004	0.4	0.4	0.095833333	0.111666667	0.29125	0.326666667	3.125	4.5
WV0093980	001	2004 to 2005	0.174333333	0.199416667	0.085833333	0.103333333	0.305416667	0.328333333	2.333333333	3
WV0093980	007	2003 to 2004	1.975	2.183333333	0.18375	0.176666667	0.98	1.548333333	11.375	12.83333333
WV0093980	007	2004 to 2005	1.866666667	2.033333333	0.161666667	0.193333333	0.798333333	0.803333333	8.333333333	9
WV0093980	008	2003 to 2004	0.4625	0.508333333	0.09625	0.110833333	3.175	3.409166667	6.875	9.25
WV0093980	008	2004 to 2005	0.355916667	0.376416667	0.171666667	0.196666667	2.814166667	3.1475	6.291666667	40.66666667
WV0093980	DSUT	2003 to 2004								
WV0093980	DSUT	2004 to 2005	0.264666667	0.3235	0.0675	0.071666667	2.131666667	2.876666667		
WV0094056	002	2003 to 2004	0.346818182	0.450454545	0.169090909	0.249545455	0.721818182	1.048181818	2.863636364	4
WV0094056	002	2004 to 2005	0.631818182	0.744545455	0.12	0.147272727	0.36	0.511818182	7.090909091	10

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0094056	004	2003 to 2004	0.18	0.234	0.298	0.392	0.084	0.104	6.3	9.4
WV0094056	004	2004 to 2005	0.02	0.02	0.08	0.08	0.05	0.05	4	4
WV0094072	002	2003 to 2004	0.28	0.28	0.06	0.06	0.41	0.41	3	3
WV0094072	002	2004 to 2005	0.31	0.31	0.11	0.11	0.195	0.195	3	3
WV0094099	001	2003 to 2004	0.262857143	0.35	0.447142857	0.735714286	0.517142857	0.571428571	5.85	8.7
WV0094099	001	2004 to 2005	0.286666667	0.374444444	0.137777778	0.162222222	0.458888889	0.596666667	5.33	5.958888889
WV0094099	002	2003 to 2004	0.15	0.15	0.1225	0.1225	0.28	0.28	4.9175	4.9175
WV0094099	002	2004 to 2005	0.167142857	0.19	0.237142857	0.268571429	0.165714286	0.19	11.07142857	13.71428571
WV0094099	003	2003 to 2004	0.2275	0.2275	0.35	0.35	0.276666667	0.276666667	3.5825	3.5825
WV0094099	003	2004 to 2005	0.115714286	0.132857143	0.1	0.107142857	0.191428571	0.225714286	4.211428571	4.994285714
WV0094099	004	2003 to 2004	0.78	0.935833333	0.283333333	0.363333333	1.979166667	2.42	5.690833333	7.583333333
WV0094099	004	2004 to 2005	0.503636364	0.639090909	0.083636364	0.093636364	0.807272727	1.078181818	5.258181818	6.363636364
WV0094099	005	2003 to 2004	0.48	0.7	0.368181818	0.473636364	2.019090909	2.225454545	9.48	12.48090909
WV0094099	005	2004 to 2005	0.3175	0.3825	0.245	0.3825	1.4575	1.715	12.96	19.1675
WV0094099	DSC	2003 to 2004								
WV0094099	DSC	2004 to 2005	0.442857143	0.62	0.118571429	0.131428571	0.777142857	0.857142857		
WV0094099	USC	2003 to 2004								
WV0094099	USC	2004 to 2005	0.077142857	0.102857143	0.082857143	0.091428571	0.077142857	0.107142857		
WV0094153	002	2003 to 2004	0.59	0.59	0.47	0.69	0.64	0.65	10	14.67
WV0094153	002	2004 to 2005								
WV0094188	005	2003 to 2004								
WV0094188	005	2004 to 2005			0.56	0.58	0.03	0.05	17.75	34
WV0094188	058	2003 to 2004								
WV0094188	058	2004 to 2005			0.161111111	0.203333333	0.074444444	0.085555556	9.361111111	11.66666667
WV0094226	001	2003 to 2004	0.105833333	0.14375	0.139166667	0.188333333	0.034166667	0.036666667	2.145833333	3.083333333
WV0094226	001	2004 to 2005	0.116875	0.176875	0.125625	0.173125	0.025833333	0.035	3.071428571	6.285714286
WV0094234	001	2003 to 2004	0.320909091	0.430454545	0.326363636	0.426363636	0.637272727	1.010909091	2.85	4.090909091
WV0094234	001	2004 to 2005	0.459166667	0.6525	0.209166667	0.260833333	0.478333333	0.633333333	4.833333333	5.166666667
WV0094234	002	2003 to 2004	0.466818182	0.540454545	0.378636364	0.492272727	1.606363636	1.878181818	5.025	6.909090909
WV0094234	002	2004 to 2005	0.4925	0.655	0.2575	0.309166667	1.405	1.585833333	4.416666667	4.833333333
WV0094242	001	2003 to 2004	0.0775	0.08125	0.1675	0.235	0.076666667	0.13	4.083333333	4.944166667
WV0094242	001	2004 to 2005	0.071666667	0.103333333	0.095833333	0.124166667	0.020833333	0.03	3.776666667	4.555833333
WV0094242	004	2003 to 2004	0.275	0.495	0.325	0.555	0.135	0.23	3	3
WV0094242	004	2004 to 2005	0.091666667	0.1	0.116666667	0.118333333	0.04	0.043333333	7.221666667	7.778333333
WV0094242	005	2003 to 2004	0.0825	0.09	0.188333333	0.281666667	0.1425	0.275	3.389166667	3.7775

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0094242	005	2004 to 2005	0.070909091	0.097272727	0.099090909	0.122727273	0.021818182	0.023636364	5.060909091	6.545454545
WV0094242	008	2003 to 2004	0.16	0.17	0.148	0.188	0.05	0.0625	3.816	4.133
WV0094242	008	2004 to 2005	0.091111111	0.136666667	0.158888889	0.237777778	0.044444444	0.06	7.925555556	10.44444444
WV0094242	015	2003 to 2004	0.19375	0.29875	0.298333333	0.469166667	0.035	0.0525	7.9025	12.5
WV0094242	015	2004 to 2005	0.088333333	0.1375	0.211666667	0.351666667	0.031666667	0.044166667	4.9175	6
WV0094242	017	2003 to 2004	0.1	0.1	0.2	0.2	0.01	0.01	3	3
WV0094242	017	2004 to 2005								
WV0094242	018	2003 to 2004	0.07	0.07	0.1	0.14	0.05	0.07	3	3
WV0094242	018	2004 to 2005								
WV0094251	001	2003 to 2004								
WV0094251	001	2004 to 2005	0.03	0.03	0.35	0.35	0.1	0.1	3	3
WV0094251	002	2003 to 2004	0.135555556	0.135555556	0.875	0.875	0.494166667	0.494166667	7.500833333	7.500833333
WV0094251	002	2004 to 2005	0.064545455	0.064545455	0.650909091	0.650909091	0.712727273	0.712727273	5.605454545	5.605454545
WV0094269	002	2003 to 2004	0.16	0.16	0.173636364	0.173636364	0.290909091	0.290909091	3.939090909	3.939090909
WV0094269	002	2004 to 2005	0.103636364	0.103636364	0.142727273	0.142727273	0.214545455	0.214545455	4.757272727	4.757272727
WV0094439	015	2003 to 2004	0.3625	0.5045	0.874	1.111	2.815	3.309	8.222222222	10.2
WV0094439	015	2004 to 2005	0.394166667	0.595	0.205833333	0.274166667	0.605	1.125	6.833333333	8.833333333
WV0094501	003	2003 to 2004	0.38	0.96	0.1	0.155	0.07	0.065	26	28
WV0094501	003	2004 to 2005								
WV0094501	008	2003 to 2004		0.34		0		0.06		3
WV0094501	008	2004 to 2005								
WV0094528	008	2003 to 2004	0.665454545	0.802727273	0.307727273	0.417727273	5.155454545	6.341818182	3.590909091	5.363636364
WV0094528	008	2004 to 2005	1	1.288888889	0.255555556	0.316666667	5.22	6.438888889	5.222222222	6
WV0094552	004	2003 to 2004	0.0725	0.0775	0.1575	0.165	0.0925	0.1025	6.29	8.0825
WV0094552	004	2004 to 2005	0.153333333	0.2275	0.34	0.51	0.095	0.125833333	14.01333333	18.05666667
WV0094552	DBJ	2003 to 2004	0.198333333	0.261666667	0.498333333	0.708333333	0.268333333	0.398333333		
WV0094552	DBJ	2004 to 2005	0.202727273	0.33	0.265454545	0.351818182	0.144545455	0.153636364		
WV0094625	001	2003 to 2004	0.705	0.705	0.3	0.3	1.285	1.285	4.5	4.5
WV0094625	001	2004 to 2005	0.15	0.15	0.35	0.35	0.65	0.65	6	6
WV0094625	002	2003 to 2004	0.275	0.275	0.655	0.655	0.645	0.645	3	3
WV0094625	002	2004 to 2005	0.27	0.27	0.6	0.6	1.2	1.2	3	3
WV0094650	003	2003 to 2004	0.46	0.46	1	1	0.31	0.31	7	7
WV0094650	003	2004 to 2005	0.36	0.36	1.01	1.01	0.42	0.42	9	9
WV0094650	005	2003 to 2004								
WV0094650	005	2004 to 2005	0.155	0.181666667	0.13	0.143333333	0.13	0.136666667	4.791666667	5.666666667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0094650	006	2003 to 2004								
WV0094650	006	2004 to 2005	0.193333333	0.226666667	0.08	0.11	0.123333333	0.133333333	8.416666667	8.666666667
WV0094650	010	2003 to 2004	0.119545455	0.172727273	0.37	0.432727273	0.24	0.270909091	9.045454545	14.45454545
WV0094650	010	2004 to 2005	0.266666667	0.321666667	0.273333333	0.368333333	0.348333333	0.468333333	7.958333333	12.45833333
WV0094650	012	2003 to 2004								
WV0094650	012	2004 to 2005	0.15	0.1525	0.325	0.335	0.2825	0.285	13.125	14.125
WV0094650	013	2003 to 2004	0.136666667	0.136666667	0.316666667	0.316666667	0.123333333	0.123333333	6.666666667	6.666666667
WV0094650	013	2004 to 2005	0.198	0.226	0.164	0.168	0.142	0.148	9.8	10.3
WV0094650	016	2003 to 2004	0.08	0.08	0.54	0.54	0.3	0.3	7	7
WV0094650	016	2004 to 2005	0.38	0.38	0.17	0.17	0.116666667	0.116666667	12.83333333	12.83333333
WV0094650	019	2003 to 2004								
WV0094650	019	2004 to 2005	0.77	0.77	0.19	0.19	0.26	0.26	7	7
WV0094650	020	2003 to 2004	0.15	0.15	0.32	0.32	0.29	0.29	7	7
WV0094650	020	2004 to 2005	0.408	0.45	0.356	0.384	0.194	0.208	10.35	11.7
WV0094650	021	2003 to 2004								
WV0094650	021	2004 to 2005	0.82	0.82	0.15	0.15	0.33	0.33	9	9
WV0094650	022	2003 to 2004	0.148	0.2	0.2965	0.356	0.196	0.227	16.025	18.9
WV0094650	022	2004 to 2005	0.415833333	0.520833333	0.460833333	0.7025	0.4975	0.663333333	11.02083333	16
WV0094650	023	2003 to 2004								
WV0094650	023	2004 to 2005	0.35	0.35	0.5	0.5	0.47	0.47	10	10
WV0094650	024	2003 to 2004	0.093636364	0.148181818	0.166363636	0.209090909	0.236363636	0.313636364	6.045454545	8
WV0094650	024	2004 to 2005	0.257142857	0.324285714	0.181428571	0.227142857	0.235714286	0.292857143	6.321428571	7.785714286
WV0094668	002	2003 to 2004								
WV0094668	002	2004 to 2005	0.78	0.78	0.01	0.01	13.39	13.39	6	6
WV0094668	008	2003 to 2004	0.752708333	1.1825	0.021875	0.037083333	5.840416667	6.998333333	3.21875	5.677083333
WV0094668	008	2004 to 2005	0.439791667	0.653333333	0.010208333	0.015	4.797916667	6.293333333	1.604166667	2.208333333
WV0094668	009	2003 to 2004	0.021875	0.039166667	0.056458333	0.093333333	1.647916667	1.876666667	5.03125	8.1875
WV0094668	009	2004 to 2005	0.26	0.266666667	0.056041667	0.069166667	1.32375	1.434166667	4.979166667	5.416666667
WV0094668	011	2003 to 2004	0.378333333	0.68875	0.015416667	0.023333333	15.50666667	19.23	3.447916667	4.958333333
WV0094668	011	2004 to 2005	0.492916667	0.775416667	0.019583333	0.030416667	9.1575	12.36333333	3.520833333	5.166666667
WV0094668	015	2003 to 2004	0.643958333	0.904583333	0.038125	0.053333333	15.02291667	17.455	4.354166667	6.125
WV0094668	015	2004 to 2005	0.901375	1.166666667	0.122083333	0.175833333	12.84625	15.02666667	10.47916667	13.25
WV0094668	017	2003 to 2004	0.295	0.474583333	0.011041667	0.018333333	6.44125	8.324166667	3.208333333	3.8125
WV0094668	017	2004 to 2005	0.438333333	0.613888889	0.011388889	0.016111111	7.200555556	9.073333333	2.194444444	3.388888889
WV0094668	021	2003 to 2004	0.563333333	0.795	0.0475	0.066666667	5.62	6.218333333	7.947916667	10.29166667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0094668	021	2004 to 2005	0.329	0.34	0.1285	0.134	4.4	4.596	9.35	9.7
WV0094668	025	2003 to 2004								
WV0094668	025	2004 to 2005	0	0	0.07	0.07	0.03	0.03	1	1
WV0094684	002	2003 to 2004								
WV0094684	002	2004 to 2005	1.21	1.21	2.64	2.64	0.09	0.09	79	79
WV0094684	006	2003 to 2004	0.486666667	0.488333333	0.231666667	0.24	1.155	1.208333333	5.61	6.278333333
WV0094684	006	2004 to 2005	0.223333333	0.223333333	0.486666667	0.486666667	0.586666667	0.586666667	5	5
WV0094684	009	2003 to 2004	0.083333333	0.09	0.233333333	0.36	0.023333333	0.026666667	4.166666667	4.333333333
WV0094684	009	2004 to 2005	0.05	0.05	0.08	0.08	0.015	0.015	4	4
WV0094684	011	2003 to 2004	0.165	0.165	0.1825	0.2225	0.425	0.425	5.9575	6
WV0094684	011	2004 to 2005	0.433333333	0.433333333	0.423333333	0.423333333	0.3	0.3	24.66666667	24.66666667
WV0094692	001	2003 to 2004	0.535833333	0.608333333	0.245	0.278333333	1.1675	1.381666667	13.58333333	16.66666667
WV0094692	001	2004 to 2005	0.14	0.19	0.18	0.2	1.91	2.15	12.5	13
WV0094706	008	2003 to 2004	1.456666667	1.830833333	0.149166667	0.22	0.761666667	0.8825	6.5	8.5
WV0094706	008	2004 to 2005	1.495	1.828333333	0.115	0.1725	1.145833333	1.4325	6.416666667	8
WV0094706	014	2003 to 2004	0.616666667	0.804166667	0.226666667	0.2925	0.91	1.261666667	7.75	10.5
WV0094706	014	2004 to 2005	0.530833333	0.62	0.4	0.54	1.249166667	1.545	6.666666667	8
WV0094749	001	2003 to 2004	0.59	0.714545455	0.060909091	0.070909091	0.778181818	0.911818182	10	13.45454545
WV0094749	001	2004 to 2005	0.335833333	0.435833333	0.096666667	0.1125	0.88	1.188333333	7.416666667	10.25
WV0094749	002	2003 to 2004	0.1725	0.1775	0.355	0.3575	0.1425	0.145	11.75	12
WV0094749	002	2004 to 2005	0.36	0.36	0.4	0.4	0.03	0.03	17	17
WV0094749	003	2003 to 2004	0.518333333	0.644166667	0.040833333	0.0475	0.7775	0.961666667	4.25	5.166666667
WV0094749	003	2004 to 2005	0.428181818	0.535454545	0.048181818	0.051818182	0.773636364	0.992727273	3.545454545	4.181818182
WV0094773	002	2003 to 2004	0.26	0.26	0.05	0.05	0.46	0.46	3	3
WV0094773	002	2004 to 2005	0.19	0.19	0.05	0.05	1.48	1.48	6	6
WV0094773	003	2003 to 2004	0.3	0.3	0.09	0.09	0.97	0.97	5	5
WV0094773	003	2004 to 2005	1.47	1.47	0.03	0.03	0.84	0.84	2	2
WV0094773	005	2003 to 2004	0.394166667	0.439166667	0.1525	0.191666667	0.85	1.058333333	3.5	4.75
WV0094773	005	2004 to 2005	0.119166667	0.155833333	0.129166667	0.195833333	1.065	1.416666667	2.931818182	3.869090909
WV0094773	007	2003 to 2004								
WV0094773	007	2004 to 2005	0.21	0.21	0.23	0.23	0.08	0.08	8	8
WV0094773	009	2003 to 2004	0.086666667	0.103333333	0.07	0.083333333	0.2	0.203333333	6.333333333	7.666666667
WV0094773	009	2004 to 2005	0.146363636	0.207272727	0.174545455	0.26	0.183636364	0.220909091	10.54545455	14.09090909
WV0094781	001	2003 to 2004	0.270833333	0.338333333	0.0575	0.075	0.590833333	0.724166667	7.75	11.25
WV0094781	001	2004 to 2005	0.123333333	0.175833333	0.084166667	0.1225	0.71	0.958333333	5.818181818	8.454545455

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0094781	002	2003 to 2004	0.223333333	0.353333333	0.72	0.806666667	0.336666667	0.426666667	11.66666667	13.33333333
WV0094781	002	2004 to 2005	0.38	0.38	0.81	0.81	0.02	0.02	24	24
WV0094781	003	2003 to 2004	0.3825	0.4675	0.0375	0.0375	1.0525	1.1625	17.25	27.5
WV0094781	003	2004 to 2005	0.344545455	0.492727273	0.046818182	0.059090909	1.148181818	1.639090909	10	12.54545455
WV0094781	DUTDR	2003 to 2004	0.491111111	0.666666667	0.085555556	0.12	2.395555556	2.845555556		
WV0094781	DUTDR	2004 to 2005	0.719090909	0.803636364	0.125833333	0.164166667	3.013333333	3.306666667		
WV0094781	UUTDR	2003 to 2004	0.7225	0.815	0.18625	0.2125	3.50375	3.85625		
WV0094781	UUTDR	2004 to 2005	1.076666667	1.216666667	0.161666667	0.1925	4.015833333	4.240833333		
WV0094790	001	2003 to 2004	0.313333333	0.364166667	0.28125	0.399166667	0.300416667	0.400833333	8.479166667	10.79166667
WV0094790	001	2004 to 2005	0.352222222	0.462222222	0.278888889	0.35	0.268888889	0.326666667	9.333333333	13.77777778
WV0094790	002	2003 to 2004	1.145416667	1.744166667	0.166666667	0.238333333	0.883333333	1.121666667	14.54166667	19.5
WV0094790	002	2004 to 2005	1.295	1.988	0.147	0.179	0.85	1.206	15.936	24
WV0094790	003	2003 to 2004	0.396666667	0.5125	0.1325	0.151666667	0.19	0.216666667	8.3125	11.04166667
WV0094790	003	2004 to 2005	0.76875	1.275	0.1325	0.175	0.20875	0.23625	7.65625	8.5625
WV0094871	001	2003 to 2004	0.332222222	0.491111111	0.374444444	0.552222222	0.668888889	0.754444444	8.666666667	14.66666667
WV0094871	001	2004 to 2005	0.35	0.425	0.67	0.850833333	0.528333333	0.609166667	12.08333333	13.83333333
WV0094889	002	2003 to 2004	0.156666667	0.196666667	0.086666667	0.1225	1.143333333	1.329166667	7.354166667	9.916666667
WV0094889	002	2004 to 2005	0.139166667	0.1875	0.1275	0.174166667	1.1575	1.344166667	6.145833333	9.375
WV0094889	005	2003 to 2004	0.11125	0.155	0.2325	0.27	0.416666667	0.519166667	7.375	10.41666667
WV0094889	005	2004 to 2005	0.114166667	0.134166667	0.235	0.3	0.605	0.880833333	7.125	10.58333333
WV0094889	006	2003 to 2004	0.14125	0.18	0.213333333	0.260833333	0.660416667	0.7625	8.583333333	13
WV0094889	006	2004 to 2005	0.147	0.174	0.254	0.346	0.514	0.762	6.875	10.25
WV0094889	014	2003 to 2004								
WV0094889	014	2004 to 2005	0.28	0.28	0.125	0.125	0.465	0.465	8.5	8.5
WV0094889	015	2003 to 2004								
WV0094889	015	2004 to 2005	0.2775	0.2825	0.1575	0.1975	1.2775	1.305	14.75	21.625
WV0094889	016	2003 to 2004	0.1775	0.225	0.244375	0.35375	0.250625	0.32375	12.96875	19.25
WV0094889	016	2004 to 2005	0.191428571	0.275714286	0.18	0.228571429	0.485714286	0.771428571	6.821428571	10.85714286
WV0094889	017	2003 to 2004	0.151818182	0.233636364	0.120454545	0.17	0.187727273	0.281818182	7.977272727	11.29545455
WV0094889	017	2004 to 2005	0.127	0.154	0.235	0.362	0.13	0.157	6.15	8.05
WV0094889	019	2003 to 2004	0.28	0.314285714	0.322142857	0.352857143	0.130714286	0.142857143	8.285714286	10.42857143
WV0094889	019	2004 to 2005	0.27	0.367777778	0.516666667	0.734444444	0.495555556	0.661111111	10.69444444	14.66666667
WV0094889	021	2003 to 2004	0.1275	0.161666667	0.092916667	0.125833333	0.147916667	0.194166667	9.625	12.04166667
WV0094889	021	2004 to 2005	0.186666667	0.245	0.199166667	0.269166667	0.25	0.275833333	8.395833333	11.58333333
WV0094901	001	2003 to 2004	0.208333333	0.313166667	0.1735	0.222333333	0.494583333	0.58525	4.5	6.66666667



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0094901	001	2004 to 2005	0.247416667	0.315416667	0.197166667	0.255416667	0.384375	0.44525	7.172666667	10.67858333
WV0094901	003	2003 to 2004	0.277916667	0.402	0.127541667	0.171416667	0.602	0.92375	3.791666667	5.333333333
WV0094901	003	2004 to 2005	0.500875	0.687416667	0.097833333	0.130416667	0.548416667	0.81675	4.756	5.47025
WV0095036	001	2003 to 2004	0.4	0.4	0.455	0.61	0.29	0.405	4.25	7.5
WV0095036	001	2004 to 2005								
WV0095061	001	2003 to 2004	0.18025	0.34375	1.3195	1.3815	1.1455	1.35875	5.25	7.25
WV0095061	001	2004 to 2005	0.035	0.035	0.516	0.516	0.875	0.875	5	5
WV0095061	002	2003 to 2004	0.178111111	0.245666667	0.9905	1.455888889	0.431888889	0.574555556	22.88888889	33.11111111
WV0095061	002	2004 to 2005	0.211166667	0.29025	0.887166667	1.253416667	0.119583333	0.154666667	26.71429167	38.20833333
WV0095061	003	2003 to 2004	0.097388889	0.184555556	0.138388889	0.215444444	0.045944444	0.054777778	5.833333333	9.777777778
WV0095061	003	2004 to 2005	0.158875	0.181916667	0.131416667	0.172416667	0.067125	0.088375	7.09525	10.875
WV0095206	002	2003 to 2004	0.1105	0.1125	0.698125	0.787	0.051	0.0635	3.25	3.75
WV0095206	002	2004 to 2005	0.185333333	0.185333333	0.484	0.484	0.016	0.0155	8.666666667	8.666666667
WV0095206	WL-3	2003 to 2004	249.0374091	269.7913636	956.5614545	1081.966455	4.998772727	5.599909091		
WV0095206	WL-3	2004 to 2005	113.6814091	119.3954545	518.6911818	551.9865455	3.494	3.685		
WV0095311	001	2003 to 2004	0.178	0.285818182	0.21805	0.341636364	0.502836364	0.804272727	9.136363636	14
WV0095311	001	2004 to 2005	0.212166667	0.2805	0.203333333	0.29675	1.024458333	1.522083333	6.839291667	8.422625
WV0095311	002	2003 to 2004	0.665125	0.6955	0.3555	0.4079375	0.72735	0.9601625	17.25	24.25
WV0095311	002	2004 to 2005	0.155125	0.14625	0.142375	0.14575	1.882	1.894	7.017875	7.25
WV0095311	DUWR-1	2003 to 2004	3.09	3.19	0.1465	0.165	1.745	1.77		
WV0095311	DUWR-1	2004 to 2005								
WV0095311	UUWR-2	2003 to 2004	0.025	0.04	0.0785	0.115	0.0095	0.01		
WV0095311	UUWR-2	2004 to 2005								
WV0095567	001	2003 to 2004	0.1615	0.232909091	0.193136364	0.275	0.396	0.511090909	6.227272727	9.454545455
WV0095567	001	2004 to 2005	0.16875	0.2075	0.134375	0.18325	0.14025	0.1855	5.375	7.458333333
WV0095567	002	2003 to 2004	0.156318182	0.224636364	0.181545455	0.265272727	0.152863636	0.197181818	4.954545455	7.090909091
WV0095567	002	2004 to 2005	0.16225	0.20825	0.126041667	0.174166667	0.137375	0.185083333	4.666666667	6.25
WV0095583	001	2003 to 2004	0.287818182	0.375	0.644181818	0.770181818	0.111590909	0.156727273	20.45454545	26.27272727
WV0095583	001	2004 to 2005	0.204833333	0.267083333	0.897833333	1.156166667	0.251	0.291	20.75	28.41666667
WV0095583	002	2003 to 2004	0.386722222	0.753111111	0.695166667	0.974222222	0.088055556	0.052666667	15.38888889	24.11111111
WV0095583	002	2004 to 2005	0.185863636	0.248363636	0.362	0.497363636	0.039727273	0.054090909	10.45454545	13.63636364
WV0095583	003	2003 to 2004	0.563	0.563	0.887333333	0.887333333	0.222666667	0.222666667	13.16666667	13.16666667
WV0095583	003	2004 to 2005								
WV0095583	005	2003 to 2004	0.602666667	0.816	2.831666667	3.423333333	0.9985	1.550333333	10.4	18.9
WV0095583	005	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0095699	002	2003 to 2004								
WV0095699	002	2004 to 2005	0.01	0.01	0.1	0.1	0.03	0.03	0	0
WV0095699	003	2003 to 2004	0.1675	0.2625	0.08	0.11125	0.0125	0.015	9.375	13.75
WV0095699	003	2004 to 2005	0	0	0	0	0.01	0.01	3	3
WV0095699	005	2003 to 2004	0.32	0.32	0.076666667	0.076666667	0.01	0.01	4.333333333	4.333333333
WV0095699	005	2004 to 2005	1	1	0.22	0.22	0.01	0.01	16	16
WV0095699	007	2003 to 2004								
WV0095699	007	2004 to 2005	0.01	0.01	0	0	0.01	0.01	0	0
WV0095711	001	2003 to 2004	0.272222222	0.341111111	0.175555556	0.261111111	0.112222222	0.195555556	9.555555556	12.77777778
WV0095711	001	2004 to 2005	0.233333333	0.233333333	0.086666667	0.086666667	0.01	0.01	6.333333333	6.333333333
WV0095711	002	2003 to 2004	0.33	0.37875	0.205	0.3075	0.14125	0.25375	11.125	14.75
WV0095711	002	2004 to 2005	0.216666667	0.216666667	0.08	0.08	0.01	0.01	8	8
WV0095711	004	2003 to 2004	0.2125	0.341666667	0.42	0.535	0.37	0.501666667	10	13.08333333
WV0095711	004	2004 to 2005	0.46	0.83	0.5025	0.775833333	0.200833333	0.308333333	10.41666667	14.5
WV0095711	006	2003 to 2004	0.254285714	0.28	0.221428571	0.231428571	0.025714286	0.03	9	10.42857143
WV0095711	006	2004 to 2005	0.176666667	0.216666667	0.308333333	0.353333333	0.05	0.058333333	15	22.33333333
WV0095711	007	2003 to 2004	0.172	0.225	0.048	0.064	0.01	0.01	6.3	8
WV0095711	007	2004 to 2005	0.15	0.202222222	0.0525	0.069166667	0.013333333	0.015833333	3.75	5.166666667
WV0095711	008	2003 to 2004	0.2	0.2	0.505	0.505	0.055	0.055	6.5	6.5
WV0095711	008	2004 to 2005								
WV0095711	009	2003 to 2004	0.298333333	0.443333333	0.445	0.551666667	0.024166667	0.033333333	10.75	17.08333333
WV0095711	009	2004 to 2005	0.225	0.33	0.348	0.397	0.026	0.037	6.9	10.3
WV0095711	010	2003 to 2004	0.116	0.129	0.075	0.077	0.011	0.011	5	6
WV0095711	010	2004 to 2005	0.21	0.325555556	0.084166667	0.128333333	0.015	0.02	3.333333333	4.416666667
WV0095753	007	2003 to 2004								
WV0095753	007	2004 to 2005	0.45	0.695	0	0	0	0	19.75	0
WV0095788	001	2003 to 2004	0.468181818	0.518181818	0.283636364	0.379090909	0.424090909	0.550909091	6.045454545	8.272727273
WV0095788	001	2004 to 2005	0.313291667	0.383833333	0.18	0.291666667	0.416666667	0.47	5	8
WV0095788	002	2003 to 2004	0.4	0.4	0.218333333	0.34	0.238333333	0.465714286	3.5	6.714285714
WV0095788	002	2004 to 2005	0.3215	0.438571429	0.402142857	0.618571429	0.519285714	0.534285714	5.5	8.857142857
WV0095788	004	2003 to 2004								
WV0095788	004	2004 to 2005		0.109		0.22		0.03		3
WV0095788	006	2003 to 2004	0.405	0.409090909	0.3445	0.486363636	0.8855	1.055454545	4.7	6.545454545
WV0095788	006	2004 to 2005	0.28445	0.310181818	0.3545	0.445454545	0.6475	0.730909091	8.5	11.90909091
WV0095788	007	2003 to 2004	0.4	0.4	0.502	0.558333333	0.249	0.296666667	6.9	9.833333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0095788	007	2004 to 2005	0.255444444	0.300909091	0.377777778	0.518181818	0.187222222	0.355454545	7.611111111	10.81818182
WV0095788	008	2003 to 2004	0.4	0.4	0.132727273	0.153636364	1.033636364	1.34	6.5	9.454545455
WV0095788	008	2004 to 2005	0.284863636	0.354363636	0.142272727	0.191818182	1.553636364	2.298181818	21.40909091	31.54545455
WV0095788	009	2003 to 2004	0.4	0.4	0.081666667	0.094	0.083888889	0.106	4.888888889	6.4
WV0095788	009	2004 to 2005	0.36475	0.399909091	0.29	0.374545455	0.2675	0.264545455	6.05	8.545454545
WV0095788	015	2003 to 2004	0.4	0.4	0.323636364	0.433636364	0.274545455	0.388181818	5.409090909	7.363636364
WV0095788	015	2004 to 2005	0.274888889	0.308272727	0.449444444	0.546363636	0.212777778	0.231818182	2.944444444	3.272727273
WV0095788	023	2003 to 2004	0.4	0.4	0.4	0.56	0.04	0.06	18.5	36
WV0095788	023	2004 to 2005								
WV0095788	024	2003 to 2004	0.4	0.4	0.2175	0.294	0.08	0.12	9.625	12.2
WV0095788	024	2004 to 2005								
WV0095788	025	2003 to 2004	0.4	0.4	0.2725	0.235166667	0.036666667	0.045	7.166666667	12.16666667
WV0095788	025	2004 to 2005	0.253888889	0.271909091	0.191666667	0.221818182	0.05	0.059090909	7	9.272727273
WV0095788	028	2003 to 2004								
WV0095788	028	2004 to 2005	0.203583333	0.264125	0.134166667	0.23	0.469166667	0.3725	3.416666667	6.5
WV0095796	002	2003 to 2004			0.037272727	0.044545455	0.030909091	0.043636364	7.818181818	9.545454545
WV0095796	002	2004 to 2005	0.186363636	0.211818182	0.05	0.064545455	0.044545455	0.053636364	7.090909091	8.363636364
WV0095796	004	2003 to 2004			0.045714286	0.058571429	0.021428571	0.027142857	6.714285714	9.285714286
WV0095796	004	2004 to 2005	0.313333333	0.366666667	0.081111111	0.102222222	0.075555556	0.086666667	16.22222222	19.88888889
WV0095796	006	2003 to 2004			0.14	0.16	0.128888889	0.14	11.55555556	12.55555556
WV0095796	006	2004 to 2005	1.26625	1.65125	0.17875	0.23125	0.20875	0.25875	10.5	11.125
WV0095796	007	2003 to 2004			0.144	0.177	0.134	0.157	11.3	13.9
WV0095796	007	2004 to 2005	0.651818182	0.917272727	0.124545455	0.16	0.177272727	0.231818182	8.272727273	9.727272727
WV0095796	009	2003 to 2004			0.059	0.074	0.145	0.152	9.2	10.5
WV0095796	009	2004 to 2005	0.289090909	0.399090909	0.092727273	0.116363636	0.098181818	0.123636364	11.63636364	14.72727273
WV0095796	013	2003 to 2004			0.81	1.07	0.82	1.031818182	9.454545455	11.54545455
WV0095796	013	2004 to 2005	0.071818182	0.08	0.532727273	0.653636364	0.368181818	0.453636364	10	11.09090909
WV0095796	017	2003 to 2004								
WV0095796	017	2004 to 2005	0.062857143	0.074285714	0.047142857	0.054285714	0.011428571	0.012857143	4	4.857142857
WV0095800	001	2003 to 2004	0.12	0.12	0.04	0.045	0.01375	0.01375	8.625	10.375
WV0095800	001	2004 to 2005	0.097	0.129	0.049166667	0.065833333	0.011666667	0.014166667	8	11.66666667
WV0095800	002	2003 to 2004	0.12	0.12	0.051428571	0.06	0.011428571	0.012857143	10.57142857	13.28571429
WV0095800	002	2004 to 2005								
WV0095800	005	2003 to 2004			0.04	0.04	0.01	0.01	7	7
WV0095800	005	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDNR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0095800	006	2003 to 2004			0.06	0.06	0.01	0.01	6	6
WV0095800	006	2004 to 2005								
WV0095800	011	2003 to 2004								
WV0095800	011	2004 to 2005	0.111	0.121	0.053	0.056	0.05	0.058	3.7	3.9
WV0095800	012	2003 to 2004	0.16	0.16	0.035	0.04	0.01	0.01	10	10
WV0095800	012	2004 to 2005	0.2133333333	0.2133333333	0.04	0.0466666667	0.05	0.07	6.666666667	8
WV0095800	038	2003 to 2004								
WV0095800	038	2004 to 2005	0.082	0.094	0.053	0.06	0.031	0.036	7.7	10.3
WV0095818	001	2003 to 2004	0.2833333333	0.3741666667	0	0	0	0	0	0
WV0095818	001	2004 to 2005	0.4233333333	0.5916666667	0	0	0	0	0	0
WV0095818	025	2003 to 2004	0.2575	0.3066666667	0	0	0	0	0	0
WV0095818	025	2004 to 2005	0.321818182	0.426363636	0	0	0	0	0	0
WV0095869	001	2003 to 2004	0.042708333	0.05875	0.1025	0.1516666667	0.043541667	0.054166667	3.614583333	5.09375
WV0095869	001	2004 to 2005	0.044583333	0.055	0.096458333	0.1166666667	0.053958333	0.063333333	1.958333333	2.75
WV0095869	003	2003 to 2004	0.09	0.09	0.245	0.245	0.08	0.08	6.5	6.5
WV0095869	003	2004 to 2005	0.104	0.125	0.162	0.199	0.028	0.034	2.1	3.1
WV0095869	010	2003 to 2004	0.039583333	0.047083333	0.024791667	0.03125	0.007083333	0.008333333	2.427083333	2.854166667
WV0095869	010	2004 to 2005	0.039791667	0.05	0.033333333	0.041666667	0.010625	0.01375	10.625	20.45833333
WV0095885	001	2003 to 2004	0.4	0.4	0.130416667	0.178333333	0.04625	0.0625	4.833333333	7.833333333
WV0095885	001	2004 to 2005	0.4	0.4	0.13	0.175833333	0.05125	0.0725	3.541666667	5.166666667
WV0095885	002	2003 to 2004	0.409090909	0.4166666667	0.235909091	0.319166667	0.027727273	0.033333333	5.909090909	8.333333333
WV0095885	002	2004 to 2005	0.4	0.4	0.16	0.245	0.067916667	0.109166667	5.291666667	8.333333333
WV0095885	004	2003 to 2004	0.4	0.4	0.18	0.3	0.195	0.21	14	27
WV0095885	004	2004 to 2005								
WV0095885	005	2003 to 2004	0.45	0.5	0.408333333	0.718333333	0.155	0.221666667	16.5	18.16666667
WV0095885	005	2004 to 2005								
WV0095885	009	2003 to 2004								
WV0095885	009	2004 to 2005	0.4	0.4	0.21	0.29	0.125	0.21	3.5	6
WV0095885	011	2003 to 2004								
WV0095885	011	2004 to 2005	0.4	0.4	0.315	0.44	1.64	2.44	4	6
WV0095885	012	2003 to 2004		0.4		0.33		0.02		4
WV0095885	012	2004 to 2005								
WV0095885	014	2003 to 2004	0.4	0.4	0.299166667	0.37875	0.54	0.7175	2.5	4.125
WV0095885	014	2004 to 2005								
WV0095885	016	2003 to 2004	0.4	0.4	0.073333333	0.105	0.031666667	0.0375	3.166666667	5.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0095885	016	2004 to 2005	0.4	0.4	0.152	0.196	0.189	0.312	2.05	2.9
WV0095885	018	2003 to 2004	0.4	0.75	0.17	0.475	0.075	0.085	8.5	10.5
WV0095885	018	2004 to 2005	0.55	0.55	0.6725	0.7125	0.3525	0.3375	12	14.75
WV0095885	019	2003 to 2004								
WV0095885	019	2004 to 2005	0.4	0.4	0.275	0.385	0.07	0.065	6.5	7
WV0095885	021	2003 to 2004								
WV0095885	021	2004 to 2005		0.45		2.305		0.205		40
WV0095923	014	2003 to 2004	0.262222222	0.298888889	0	0	0	0	0	0
WV0095923	014	2004 to 2005	0.355555556	0.5	0	0	0	0	0	0
WV0095923	027	2003 to 2004	0.31	0.62	0	0	0	0	0	0
WV0095923	027	2004 to 2005								
WV0095923	030	2003 to 2004	0.6	1.02	0	0	0	0	0	0
WV0095923	030	2004 to 2005								
WV0095923	087	2003 to 2004	0.367777778	0.615555556	0	0	0	0	0	0
WV0095923	087	2004 to 2005	0.30125	0.49	0	0	0	0	0	0
WV0095923	090	2003 to 2004	0.284444444	0.344444444	0	0	0	0	0	0
WV0095923	090	2004 to 2005	0.421666667	0.625	0	0	0	0	0	0
WV0095991	003	2003 to 2004	0.529166667	0.658333333	0.6125	0.975	0.102916667	0.139166667	6.318181818	10
WV0095991	003	2004 to 2005	0.1375	0.229727273	0.256	0.340909091	0.0845	0.1	7.4	10
WV0095991	021	2003 to 2004		1.2		1.06		0.27		34
WV0095991	021	2004 to 2005								
WV0096083	001	2003 to 2004	0.505	0.590909091	0.614	0.870909091	0.591	0.652727273	11.35	17
WV0096083	001	2004 to 2005	0.468181818	0.536363636	0.631363636	0.808181818	0.564545455	0.610909091	9.409090909	12.45454545
WV0096083	003	2003 to 2004		0.4		0.47		0.08		6
WV0096083	003	2004 to 2005								
WV0096083	004	2003 to 2004	0.4	0.4	0.345833333	0.395	0.1525	0.2	5.416666667	8.166666667
WV0096083	004	2004 to 2005	0.4	0.4	0.306	0.35	0.15	0.174	7.5	11.4
WV0096083	005	2003 to 2004	0.4	0.4	0.31	0.38	0.17	0.18	8	10.5
WV0096083	005	2004 to 2005								
WV0096083	006	2003 to 2004		0.4		0.29		0.17		38
WV0096083	006	2004 to 2005								
WV0096148	001	2003 to 2004	0.37625	0.39875	0.16875	0.18	0.0325	0.045	8.125	8.75
WV0096148	001	2004 to 2005	0.332727273	0.464545455	0.133636364	0.172727273	0.037272727	0.040909091	6.181818182	7.818181818
WV0096148	002	2003 to 2004	0.3225	0.47	0.175	0.23125	0.0775	0.10875	6.5	7.375
WV0096148	002	2004 to 2005	0.413636364	0.610909091	0.127272727	0.164545455	0.035454545	0.041818182	7.909090909	9.727272727

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0096148	003	2003 to 2004	0.17	0.2475	0.0625	0.081666667	0.038333333	0.045833333	9.5	11.58333333
WV0096148	003	2004 to 2005	0.195833333	0.260833333	0.095833333	0.118333333	0.0425	0.054166667	6.5	8
WV0096148	004	2003 to 2004	0.399166667	0.7025	0.0625	0.08	0.071666667	0.110833333	8.75	11.41666667
WV0096148	004	2004 to 2005	0.19	0.2375	0.098333333	0.1225	0.0475	0.0625	6.083333333	7.5
WV0096148	005	2003 to 2004	0.173333333	0.271666667	0.679166667	0.963333333	0.500833333	0.716666667	10.91666667	14.66666667
WV0096148	005	2004 to 2005	0.210833333	0.345	0.456666667	0.608333333	0.285833333	0.450833333	9.25	11.91666667
WV0096148	007	2003 to 2004	0.146	0.194	0.102	0.112	0.012	0.012	7.4	9.4
WV0096148	007	2004 to 2005	0.184166667	0.268333333	0.221666667	0.2975	0.040833333	0.0625	11.58333333	16
WV0096156	001	2003 to 2004	0.530909091	0.700909091	0.06	0.090909091	0.25	0.394545455	6.454545455	8.090909091
WV0096156	001	2004 to 2005	0.289166667	0.40125	0.081458333	0.115833333	0.422291667	0.590833333	2.291666667	3.083333333
WV0096156	002	2003 to 2004	0.130909091	0.185454545	0.168181818	0.206363636	0.767272727	0.93	6.727272727	8.636363636
WV0096156	002	2004 to 2005	0.210625	0.317916667	0.102083333	0.15375	0.754791667	0.94625	2.666666667	3.708333333
WV0096172	001	2003 to 2004								
WV0096172	001	2004 to 2005	0.49	0.55	0.553	0.768333333	0.107	0.105	8.4	10.83333333
WV0096199	001	2003 to 2004	0.652272727	0.751818182	0.162727273	0.263636364	0.432272727	0.512727273	18.13636364	20.11363636
WV0096199	001	2004 to 2005	0.326041667	0.381666667	0.092291667	0.130833333	0.341666667	0.376666667	2.020833333	3.166666667
WV0096199	002	2003 to 2004	0.2625	0.309375	0.449375	0.47625	0.0315625	0.03375	44.296875	44.421875
WV0096199	002	2004 to 2005	0.232	0.306	0.268	0.302	0.018	0.024	13.2	20.2
WV0096229	001	2003 to 2004	0.4	0.4	0.106666667	0.12	0.021666667	0.0225	1.5	4.5
WV0096229	001	2004 to 2005	0.4	0.4	0.070714286	0.077777778	0.03	0.035555556	1.857142857	2.555555556
WV0096229	002	2003 to 2004								
WV0096229	002	2004 to 2005	0.4	0.4	0.12	0.18	0.02	0.02	5.5	7
WV0096253	001	2003 to 2004	0.479166667	0.558333333	0.39875	0.551666667	0.065416667	0.08	13.91666667	19.41666667
WV0096253	001	2004 to 2005	0.480545455	0.554666667	0.61	0.895	0.145454545	0.223333333	17.36363636	24.33333333
WV0096253	002	2003 to 2004	0.4	0.4	0.109166667	0.1475	0.020833333	0.021666667	4.5	6.916666667
WV0096253	002	2004 to 2005	0.330727273	0.357	0.152727273	0.2175	0.021818182	0.023333333	7.363636364	9.916666667
WV0096253	008	2003 to 2004								
WV0096253	008	2004 to 2005	0.594	0.905	0.15	0.25	0.04	0.05	11	17
WV0096253	009	2003 to 2004	0.4	0.4	0.18125	0.217142857	0.03125	0.034285714	6.125	8
WV0096253	009	2004 to 2005	0.2977	0.345416667	0.143	0.1725	0.0435	0.0525	4.45	6
WV0096253	012	2003 to 2004	0.4	0.4	0.245454545	0.300909091	0.151818182	0.174545455	4.954545455	6.636363636
WV0096253	012	2004 to 2005	0.33225	0.360666667	0.312916667	0.384166667	0.089166667	0.1075	7.416666667	10.33333333
WV0096334	EFSDT	2003 to 2004	0.32	0.566666667	0.476666667	0.57	0.096666667	0.123333333		
WV0096334	EFSDT	2004 to 2005	0.314444444	0.408888889	0.242222222	0.323333333	0.103333333	0.148888889		
WV0096334	EFUSDT	2003 to 2004	0.326666667	0.583333333	0.476666667	0.543333333	0.096666667	0.113333333		

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0096334	EFUSDT	2004 to 2005	0.361111111	0.443333333	0.241111111	0.325555556	0.13625	0.184444444		
WV0096342	006	2003 to 2004	0.4	0.4	0.06	0.06	0.03	0.04	8.5	13
WV0096342	006	2004 to 2005	0.5	0.533333333	0.383571429	0.412	0.055	0.061111111	8.142857143	9.4
WV0096369	001	2003 to 2004	0.271666667	0.409166667	0.248333333	0.405	0.060833333	0.079166667	5.333333333	6.333333333
WV0096369	001	2004 to 2005	0.240833333	0.395	0.345833333	0.788333333	0.0525	0.069166667	4.75	5.5
WV0096393	001	2003 to 2004	0.538333333	0.72	0.235833333	0.3625	0.0925	0.135	8.916666667	12
WV0096393	001	2004 to 2005	0.255	0.3625	0.151666667	0.209166667	0.036666667	0.045833333	9.25	11.66666667
WV0096393	002	2003 to 2004	0.665	0.864166667	0.685833333	1.161666667	0.093333333	0.125833333	16.83333333	23.33333333
WV0096393	002	2004 to 2005	0.371666667	0.594166667	0.384166667	0.7025	0.044166667	0.085	16.33333333	21.66666667
WV0096393	003	2003 to 2004	0.614166667	0.8175	0.290833333	0.453333333	0.0475	0.068333333	9.5	14.33333333
WV0096393	003	2004 to 2005	0.280833333	0.425	0.161666667	0.211666667	0.023333333	0.0275	7.416666667	9.666666667
WV0096393	004	2003 to 2004	0.795555556	1.007777778	0.413333333	0.528888889	0.096666667	0.125555556	16.55555556	20.44444444
WV0096393	004	2004 to 2005	1.025	1.0675	0.3275	0.37	0.0875	0.145	17	17
WV0096563	001	2003 to 2004	0.200909091	0.316363636	0.418636364	0.484545455	0.119090909	0.159090909	9.727272727	11.27272727
WV0096563	001	2004 to 2005	0.181818182	0.2	0.213181818	0.23	0.084545455	0.102727273	7.863636364	8.409090909
WV0096563	002	2003 to 2004	0.242727273	0.384545455	0.383636364	0.468181818	0.110454545	0.136363636	9.568181818	10.54545455
WV0096563	002	2004 to 2005	0.244	0.249	0.2515	0.27	0.08525	0.11	9.35	9.55
WV0096563	004	2003 to 2004								
WV0096563	004	2004 to 2005	0.135	0.135	0.27	0.27	0.0325	0.03025	1.25	1.25
WV0096598	001	2003 to 2004			0.104166667	0.104166667	0.444166667	0.444166667		
WV0096598	001	2004 to 2005			0.071428571	0.070785714	0.267857143	0.267214286		
WV0096598	012	2003 to 2004			0.145416667	0.180833333	1.045	1.2125		
WV0096598	012	2004 to 2005			0.057954545	0.074545455	0.366363636	0.451818182		
WV0096598	014	2003 to 2004	0.198333333	0.335833333	1.34625	2.486666667	1.048333333	1.365	25.53125	48.39583333
WV0096598	014	2004 to 2005	0.059545455	0.074090909	0.157727273	0.171363636	0.325	0.343636364	5.045454545	6.818181818
WV0096598	018	2003 to 2004								
WV0096598	018	2004 to 2005			0.24	0.24	11.73	11.73		
WV0096598	020	2003 to 2004			0.184583333	0.275	0.771388917	1.263333333		
WV0096598	020	2004 to 2005			0.103958333	0.140833333	0.709583333	1.004166667		
WV0096601	001	2003 to 2004	0.160227273	0.185454545	0.140227273	0.173181818	0.087045455	0.106818182	5.198863636	6
WV0096601	001	2004 to 2005	0.1525	0.172727273	0.231363636	0.277272727	0.137727273	0.181818182	4.681818182	7.272727273
WV0096601	005	2003 to 2004	0.040625	0.057083333	0.061041667	0.085	0.010833333	0.01625	3.177083333	5.270875
WV0096601	005	2004 to 2005	0.104166667	0.174583333	0.070416667	0.124166667	0.019583333	0.03375	3.625416667	6.625
WV0096601	006	2003 to 2004	0.064791667	0.0975	0.370416667	0.5	0.078125	0.105833333	3.442708333	4.8125
WV0096601	006	2004 to 2005	0.043125	0.0625	0.198125	0.269166667	0.066875	0.085833333	2.833333333	4.666666667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0096601	008	2003 to 2004	0.0775	0.100833333	0.344583333	0.391666667	0.129583333	0.153333333	4.197916667	6.947916667
WV0096601	008	2004 to 2005	0.106590909	0.153636364	0.334545455	0.460909091	0.145	0.190909091	6.681818182	12.09090909
WV0096601	010	2003 to 2004	0.061428571	0.084285714	0.060714286	0.083571429	0.044285714	0.057857143	1.642857143	2.089285714
WV0096601	010	2004 to 2005	0.073	0.106	0.0535	0.084	0.023	0.025	1.8	3
WV0096601	011	2003 to 2004	0.100104163	0.12125	0.204895838	0.255	0.015520834	0.020625	3.752604125	6.15625
WV0096601	011	2004 to 2005	0.068055556	0.096666667	0.144722222	0.212777778	0.011111111	0.012777778	1.111111111	1.5
WV0096610	001	2003 to 2004	0.125	0.158	0.241	0.295	0.1935	0.26	12.6	19.2
WV0096610	001	2004 to 2005	0.204166667	0.243333333	0.215833333	0.258333333	0.133333333	0.1825	10.25	14.91666667
WV0096610	003	2003 to 2004	0.096666667	0.113333333	0.17	0.183333333	0.02	0.02	17	21
WV0096610	003	2004 to 2005	0.145833333	0.165833333	0.385	0.436666667	0.125833333	0.165833333	8.291666667	9.666666667
WV0096610	004	2003 to 2004	0.124166667	0.136666667	0.495	0.606666667	0.234166667	0.256666667	7.333333333	8.5
WV0096610	004	2004 to 2005	0.1	0.102857143	0.348571429	0.387142857	0.085714286	0.094285714	13	13.57142857
WV0096610	005	2003 to 2004	0.1285	0.188	0.312	0.393	0.2065	0.248	7.025	9.4
WV0096610	005	2004 to 2005	0.190833333	0.236666667	0.200833333	0.256666667	0.0875	0.1125	9.604166667	13.33333333
WV0096725	001	2003 to 2004	0.163666667	0.163666667	0.171	0.171	0.091666667	0.091666667	4	4
WV0096725	001	2004 to 2005	0.124	0.124	0.027	0.027	0.024	0.024	1	1
WV0096725	002	2003 to 2004	0.102625	0.102625	1.29225	1.29225	1.572375	1.572375	4.875	4.875
WV0096725	002	2004 to 2005	0.06	0.06	4.875454545	4.875454545	2.096636364	2.096636364	7.818181818	7.818181818
WV0096725	011	2003 to 2004								
WV0096725	011	2004 to 2005	0.089	0.089	0.64	0.64	0.095	0.095	4	4
WV0096725	012	2003 to 2004	0.162	0.162	0.355	0.355	0.227	0.227	4	4
WV0096725	012	2004 to 2005								
WV0096725	013	2003 to 2004	0.1542	0.1542	0.2214	0.2214	0.1716	0.1716	1.7	1.7
WV0096725	013	2004 to 2005	0.13575	0.13575	0.2305	0.2305	0.1005	0.1005	1.25	1.25
WV0096733	004	2003 to 2004	0.3325	0.535	0.456	0.689	0.078	0.127	13.325	18.6
WV0096733	004	2004 to 2005	0.228333333	0.374166667	0.316666667	0.501666667	0.161666667	0.2375	8.0625	12.41666667
WV0096814	001	2003 to 2004	0.700833333	0.913333333	0.503333333	0.696666667	0.80875	0.9725	2.635416667	3.4375
WV0096814	001	2004 to 2005	1.455	1.875	1.212083333	1.450833333	1.2875	1.431666667	5.041666667	7.25
WV0096814	300	2003 to 2004	0.48875	0.693333333	5.50125	8.138333333	0.495	0.551666667	6.989583333	9.697916667
WV0096814	300	2004 to 2005	0.68875	0.83	5.903333333	7.809166667	0.753333333	0.855833333	11.0625	14.95833333
WV0096822	001	2003 to 2004	0.078181818	0.078181818	0.024545455	0.024545455	0.062272727	0.062272727	1.784090909	1.784090909
WV0096822	001	2004 to 2005	0.066818182	0.066818182	0.035909091	0.035909091	0.101363636	0.101363636	2.863636364	2.863636364
WV0096822	300	2003 to 2004	0.114090909	0.114090909	0.065	0.065	0.100909091	0.100909091	7.75	7.75
WV0096822	300	2004 to 2005	0.079090909	0.079090909	0.052727273	0.052727273	0.157727273	0.157727273	1.727272727	1.727272727
WV0096831	300	2003 to 2004	0.642916667	0.835833333	0.075833333	0.115833333	0.613888892	0.850833333	5.678819167	10.55208333



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0096831	300	2004 to 2005	1.020416667	1.168333333	0.125	0.188333333	0.611666667	0.783333333	3.291666667	4.708333333
WV0096831	301	2003 to 2004	0.650486108	0.860833333	0.068194444	0.090833333	1.222638883	1.504166667	4.123264167	7.260416667
WV0096831	301	2004 to 2005	0.505833333	0.669166667	0.1725	0.290833333	0.677916667	0.744166667	3.416666667	5.125
WV0096865	001	2003 to 2004	0.145	0.145	0.47	0.47	0.6225	0.6225	3.84375	3.84375
WV0096865	001	2004 to 2005	0.1225	0.1225	0.33	0.33	0.4825	0.4825	1.125	1.125
WV0096911	010	2003 to 2004	0.0795	0.0795	0.1335	0.1335	0.034	0.034	2	2
WV0096911	010	2004 to 2005	0.062	0.062	0.5185	0.5185	0.4685	0.4685	2	2
WV0096920	001	2003 to 2004	0.365	0.475	0.233333333	0.3275	0.328333333	0.424166667	8.25	11.16666667
WV0096920	001	2004 to 2005	0.305	0.451666667	0.324166667	0.575833333	0.42	0.659166667	18.91666667	33.33333333
WV0096962	001	2003 to 2004	0.605833333	0.806666667	0.245833333	0.37	0.635	0.773333333	14.25	21.66666667
WV0096962	001	2004 to 2005	0.905	1.46	0.124	0.179	1.112	1.319	14.3	17
WV0096962	003	2003 to 2004								
WV0096962	003	2004 to 2005	0.175	0.25	0.235	0.355	0.075	0.085	21	29
WV0096962	044	2003 to 2004	0.360909091	0.486363636	0.209090909	0.324545455	0.081818182	0.11	8.181818182	11.45454545
WV0096962	044	2004 to 2005	0.38	0.513333333	0.101666667	0.135	0.1525	0.208333333	7.5	9.5
WV0096962	056	2003 to 2004	0.395833333	0.525	0.125	0.183333333	0.828333333	1.043333333	8.833333333	12.5
WV0096962	056	2004 to 2005	0.382727273	0.518181818	0.089090909	0.132727273	0.234545455	0.340909091	7.090909091	8.181818182
WV0096971	006	2003 to 2004			0.64275	0.64275				
WV0096971	006	2004 to 2005			0.855333333	0.855333333				
WV0096971	007	2003 to 2004			0.6965	0.72375	0.441	0.441	1	1
WV0096971	007	2004 to 2005								
WV0096971	010	2003 to 2004	0.064	0.064	0.9386	1.1152	3.948	4.258	1.6	1.8
WV0096971	010	2004 to 2005	0.061	0.061	0.57925	0.57925	1.634	1.634	1.75	1.75
WV0096971	032	2003 to 2004	0.1392	0.1392	1.0702	1.1564	2.513	2.552	4.2	4.4
WV0096971	032	2004 to 2005	0.063	0.063	0.6675	0.6675	0.97825	0.97825	1.5	1.5
WV0097012	011	2003 to 2004	0.09	0.061666667	0.185	0.133333333	0.105	0.078333333	5	8.125
WV0097012	011	2004 to 2005								
WV0097039	001	2003 to 2004	0.142571429	0.142571429	0.321285714	0.321285714	0.204714286	0.204714286	3.714285714	3.714285714
WV0097039	001	2004 to 2005	0.1197	0.1207	0.1897	0.1906	0.2338	0.2385	2.05	2.3
WV0097055	001	2003 to 2004	0.17125	0.209166667	0.178333333	0.21	0.053333333	0.061666667	6.604166667	7.916666667
WV0097055	001	2004 to 2005	0.295	0.431666667	0.188333333	0.235833333	0.093333333	0.119166667	4.8125	7
WV0097098	002	2003 to 2004	0.121	0.174	0.3085	0.43	0.708	0.873	9.2	12.6
WV0097098	002	2004 to 2005	0.201666667	0.28	0.343333333	0.4425	0.686666667	1.000833333	10.83333333	15.66666667
WV0097110	004	2003 to 2004	0.285	0.448333333	0.204583333	0.3075	0.110833333	0.123333333	2.979166667	4.416666667
WV0097110	004	2004 to 2005	0.215	0.27	0.218333333	0.288333333	0.101666667	0.113333333	3.333333333	4.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0097144	001	2003 to 2004	0.13125	0.18	0.546666667	0.8575	0.098333333	0.1125	4.208333333	6.083333333
WV0097144	001	2004 to 2005	0.03975	0.0595	0.134	0.174	0.07875	0.111	1.982	3.05
WV0097144	009	2003 to 2004	0.161666667	0.249166667	0.225833333	0.305833333	0.054166667	0.058333333	3.875	5.583333333
WV0097144	009	2004 to 2005	0.10125	0.15375	0.1603125	0.2475	0.0821875	0.105	3.9375	5.8125
WV0097144	012	2003 to 2004	0.198888889	0.275555556	0.225555556	0.3	0.013888889	0.017222222	4.777777778	7.444444444
WV0097144	012	2004 to 2005	0.138888889	0.186666667	0.185277778	0.204444444	0.051944444	0.064444444	1.833333333	3.333333333
WV0097144	013	2003 to 2004								
WV0097144	013	2004 to 2005	0.1	0.103333333	0.0425	0.055	0.026666667	0.031666667	2.166666667	3
WV0097217	005	2003 to 2004		0	0.122222222	0.162222222		0	3	3
WV0097217	005	2004 to 2005	0.268571429	0.288571429	0.168	0.177	0.04	0.04	3	3
WV0097217	009	2003 to 2004	0.38	0.38	0.17	0.17	0.07	0.07	14	14
WV0097217	009	2004 to 2005	0.26	0.26	0.08	0.08	0.01	0.01	3	3
WV0097250	004	2003 to 2004	0.04	0.06	0.125	0.19	0	0	6	6
WV0097250	004	2004 to 2005	0.7725	0.77025	0.8075	0.80525	0.0125	0.01025	14.75	14.50025
WV0097250	005	2003 to 2004	0.059166667	0.093333333	0.170833333	0.2425	0.012083333	0.019583333	7.546875	13.14583333
WV0097250	005	2004 to 2005	0.085416667	0.129166667	0.199791667	0.240833333	0.026458333	0.045833333	4.729166667	7.583333333
WV0097250	008	2003 to 2004	0.21875	0.285	0.334583333	0.409166667	0.02125	0.02375	9.130208333	12.77083333
WV0097250	008	2004 to 2005	0.1975	0.244583333	0.214166667	0.252083333	0.171041667	0.178333333	4.1875	6.25
WV0097341	002	2003 to 2004	0.336666667	0.405875	0.261041667	0.362541667	0.297916667	0.352541667	4.3125	5.489583333
WV0097341	002	2004 to 2005	0.201136364	0.278181818	0.19	0.26	0.183636364	0.228181818	2.840909091	4.454545455
WV0097341	003	2003 to 2004	0.2575	0.25525	1.1025	1.10025	0.1975	0.19525	1.6875	0.50025
WV0097341	003	2004 to 2005	0.38	0.38	0.09	0.09	0.17	0.17	7	7
WV0097390	001	2003 to 2004	0.258958333	0.333333333	0.295833333	0.401666667	0.411041667	0.616666667	7.3125	12.1875
WV0097390	001	2004 to 2005	0.09875	0.110458333	0.233541667	0.256291667	0.472083333	0.540041667	1.1875	1.750041667
WV0097411	002	2003 to 2004	0.15125	0.184166667	0.450833333	0.560833333	0.159583333	0.191666667	6.25	7.875
WV0097411	002	2004 to 2005	0.21	0.279166667	0.382916667	0.454166667	0.11	0.123333333	5.25	7.291666667
WV0097471	001	2003 to 2004	0.24375	0.295833333	0.745833333	0.9875	0.539166667	0.644166667	11.60416667	13.83333333
WV0097471	001	2004 to 2005	0.19	0.215	0.6	0.905	0.39	0.74	9.65	15
WV0097527	004	2003 to 2004								
WV0097527	004	2004 to 2005	0.4	0.4	0.2375	0.255	0.0825	0.1	1.25	1.5
WV0097551	001	2003 to 2004	0.34	0.469166667	0.111666667	0.17	0.041666667	0.053333333	5.333333333	6.666666667
WV0097551	001	2004 to 2005	0.393333333	0.508888889	0.302222222	0.344444444	0.056666667	0.073333333	17.11111111	19.55555556
WV0097551	004	2003 to 2004	0.413333333	0.5125	0.1425	0.1875	0.05	0.065833333	5	6
WV0097551	004	2004 to 2005	0.301666667	0.418333333	0.119166667	0.166666667	0.030833333	0.036666667	6.666666667	7.333333333
WV0097551	005	2003 to 2004	0.419166667	0.605	0.114166667	0.18	0.068333333	0.1	5	6

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0097551	005	2004 to 2005	0.568	0.744	0.1	0.134	0.04	0.05	5.2	5.2
WV0097551	015	2003 to 2004	0.365	0.5325	0.108333333	0.163333333	0.058333333	0.091666667	5.166666667	6
WV0097551	015	2004 to 2005	0.37	0.575833333	0.0875	0.119166667	0.0225	0.031666667	5	5.833333333
WV0097551	088	2003 to 2004	0.388333333	0.523333333	0.2125	0.285	0.079166667	0.115833333	4.25	4.5
WV0097551	088	2004 to 2005	0.3225	0.4525	0.173333333	0.210833333	0.043333333	0.05	4.75	5.5
WV0097551	089	2003 to 2004	0.335833333	0.446666667	0.130833333	0.185833333	0.065833333	0.090833333	5.333333333	6.333333333
WV0097551	089	2004 to 2005	0.305833333	0.4075	0.1125	0.1475	0.0425	0.05	6.333333333	7.333333333
WV0097551	091	2003 to 2004	0.385833333	0.555833333	0.1475	0.220833333	0.055833333	0.076666667	4.416666667	4.833333333
WV0097551	091	2004 to 2005	0.264166667	0.380833333	0.109166667	0.155833333	0.019166667	0.0225	6	7
WV0097551	092	2003 to 2004	0.3275	0.428333333	0.170833333	0.266666667	0.071666667	0.0975	4.833333333	5.333333333
WV0097551	092	2004 to 2005	0.46	0.587142857	0.162857143	0.207142857	0.152857143	0.214285714	5.428571429	6.285714286
WV0097900	001	2003 to 2004	0.125	0.168333333	0.12625	0.205833333	0.52875	0.655833333	4.213541667	6.395833333
WV0097900	001	2004 to 2005	0.335	0.58	0.435	0.81	0.575	0.59	2.25	4
WV0097969	001	2003 to 2004	6.424285714	7.22	0.722142857	0.791	2.679285714	2.564	4.428571429	5.6
WV0097969	001	2004 to 2005	2.4	1.8	0.355	0.36	0.805	0.77	5	6.5
WV0098060	001	2003 to 2004	0.2625	0.33	0.1675	0.19	0.4275	0.5	5.5	7
WV0098060	001	2004 to 2005								
WV0098060	004	2003 to 2004	0.379444444	0.464444444	0.252777778	0.307777778	0.761666667	0.897777778	4.611111111	5.111111111
WV0098060	004	2004 to 2005								
WV0098167	003	2003 to 2004	13.252	16.19454545					27.3	37.09090909
WV0098167	003	2004 to 2005	7.84	11.17454545					25.09090909	31.36363636
WV0098167	005	2003 to 2004		2.73		1.163333333		1.35		49.33333333
WV0098167	005	2004 to 2005								
WV0098167	WTS-012	2003 to 2004	7.1225	9.19125	3.48	4.85625	5.40125	6.70625		
WV0098167	WTS-012	2004 to 2005	8.875714286	10.43428571	1.695714286	1.955714286	6.125714286	6.98		
WV0098167	WTS-013	2003 to 2004	0.586875	0.978125	6.77	7.67625	2.16	2.34		
WV0098167	WTS-013	2004 to 2005	0.4075	0.69	6.1125	6.8975	1.88125	2.27875		
WV0098264	002	2003 to 2004	0.148136364	0.205909091	0.224990909	0.354181818	0.41275	0.542454545	8.681818182	12.72727273
WV0098264	002	2004 to 2005	0.2234	0.3027	0.40065	0.5642	0.55695	0.676	8.05	10.4
WV0098264	007	2003 to 2004	0.10945	0.1542	0.33071	0.42302	2.487014286	2.861014286	8.8	10.9
WV0098264	007	2004 to 2005	0.216	0.27175	0.261916667	0.303833333	2.024125	2.51725	6.25	7.375
WV0098264	008	2003 to 2004	0.149454545	0.240818182	1.114409091	1.359909091	1.8207375	1.9688	9.272727273	12.27272727
WV0098264	008	2004 to 2005	0.176791667	0.241666667	0.696708333	0.835583333	1.511625	1.778583333	7.166666667	10.58333333
WV0098264	010	2003 to 2004	0.292	0.292	0.372	0.372	1.098	1.098	5	5
WV0098264	010	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0098264	011	2003 to 2004	0.125590909	0.204272727	0.2267	0.3684	0.595286364	0.969636364	8.772727273	12.45454545
WV0098264	011	2004 to 2005	0.203791667	0.24275	0.241625	0.31325	0.537791667	0.705333333	7.75	10.5
WV0098264	015	2003 to 2004	0.105454545	0.155636364	1.034968182	1.343481818	2.668381818	3.212854545	6.772727273	9.363636364
WV0098264	015	2004 to 2005	0.19925	0.292916667	0.79425	0.925916667	2.388583333	2.6405	6.047625	8.047625
WV0098264	016	2003 to 2004	1.943736364	3.0442	0.290968182	0.433663636	5.3326375	6.0645125	13.18181818	19
WV0098264	016	2004 to 2005	1.639541667	1.897416667	0.192625	0.260833333	6.073208333	6.471166667	9.125	10.83333333
WV0098264	019	2003 to 2004	0.198875	0.2685	0.261125	0.32525	1.0202625	1.2455	8.75	15.25
WV0098264	019	2004 to 2005								
WV0098264	021	2003 to 2004	0.094454545	0.132363636	0.825622727	0.997881818	12.92470909	14.53223636	7.363636364	11.18181818
WV0098264	021	2004 to 2005	0.175083333	0.22475	0.337375	0.481	8.638166667	10.10825	5	6.833333333
WV0098264	023	2003 to 2004	0.138954545	0.218636364	0.246495455	0.408081818	2.161981818	2.486909091	11.54545455	18.27272727
WV0098264	023	2004 to 2005	0.241055556	0.304333333	0.201111111	0.304222222	1.652166667	1.900555556	14	24.5
WV0098264	027	2003 to 2004	0.10575	0.10575	0.119	0.119	0.65925	0.65925	12.5	12.5
WV0098264	027	2004 to 2005	0.4255	0.4255	0.343	0.343	1.898	1.898	3	3
WV0098264	028	2003 to 2004	0.178272727	0.262636364	0.306990909	0.4858	0.6641	0.982927273	10	13.72727273
WV0098264	028	2004 to 2005	0.236583333	0.27275	0.0999875	0.156475	1.279833333	1.543916667	3.964291667	4.964291667
WV0098264	036	2003 to 2004	0.327	0.327	0.001	0.001	0.493	0.493	3	3
WV0098264	036	2004 to 2005								
WV0098264	046	2003 to 2004	0.322	0.322	0.001	0.001	0.456	0.456	3	3
WV0098264	046	2004 to 2005								
WV0098264	047	2003 to 2004	0.31	0.31	0.001	0.001	0.421	0.421	7	7
WV0098264	047	2004 to 2005								
WV0098264	048	2003 to 2004	0.38	0.38	0.001	0.001	0.452	0.452	5	5
WV0098264	048	2004 to 2005								
WV0098264	049	2003 to 2004	0.314	0.314	0.001	0.001	0.449	0.449	4	4
WV0098264	049	2004 to 2005								
WV0098264	050	2003 to 2004	0.32	0.32	0.001	0.001	0.449	0.449	7	7
WV0098264	050	2004 to 2005								
WV0098264	051	2003 to 2004	0.323	0.323	0.001	0.001	0.465	0.465	6	6
WV0098264	051	2004 to 2005								
WV0098264	052	2003 to 2004	0.327	0.327	0.001	0.001	0.415	0.415	7	7
WV0098264	052	2004 to 2005								
WV0098264	053	2003 to 2004	0.01	0.01	0.0475	0.0475	0.009	0.009	2	2
WV0098264	053	2004 to 2005								
WV0098264	058	2003 to 2004	0.278	0.278	0.459	0.459	0.04	0.04	7	7

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0098264	058	2004 to 2005								
WV0098264	061	2003 to 2004	0.140045455	0.219090909	0.203172727	0.293981818	0.740981818	0.988236364	7.818181818	11.72727273
WV0098264	061	2004 to 2005	0.188708333	0.226333333	0.120333333	0.177083333	0.86625	1.127333333	6.291666667	8.208333333
WV0098264	062	2003 to 2004	0.162218182	0.217272727	0.187945455	0.265436364	0.764104545	0.967181818	11.04545455	14.72727273
WV0098264	062	2004 to 2005	0.195791667	0.234666667	0.141541667	0.219	0.818708333	1.002416667	6.375	8.416666667
WV0098264	073	2003 to 2004	1.294	1.294	1.511	1.511	0.03	0.03	8	8
WV0098264	073	2004 to 2005								
WV0098264	078	2003 to 2004	0.322	0.555909091	0.416040909	0.609445455	0.196031818	0.318272727	13.95454545	18.45454545
WV0098264	078	2004 to 2005	0.248944444	0.305333333	0.242611111	0.305777778	0.663555556	1.008666667	12.66666667	15.5
WV0098264	083	2003 to 2004	1.933	1.933	2.262	2.262	0.018	0.018	34	34
WV0098264	083	2004 to 2005								
WV0098264	085	2003 to 2004	1.336	1.336	1.511	1.511	0.015	0.015	6	6
WV0098264	085	2004 to 2005	0.604	0.604	0.471	0.471	0.061	0.061	29	29
WV0098264	GW301	2003 to 2004	28.142	28.142	3.978	3.978	46.877	46.877	46	46
WV0098264	GW301	2004 to 2005								
WV0098264	SS-1	2003 to 2004	0.01	0.01	0.584	0.584	0.097	0.097		
WV0098264	SS-1	2004 to 2005								
WV0098264	SS-12	2003 to 2004	0.0695	0.119	0.1965	0.256	0.6615	1.06		
WV0098264	SS-12	2004 to 2005								
WV0098264	SS-4	2003 to 2004	0.0735	0.137	0.1295	0.168	1.575	1.97		
WV0098264	SS-4	2004 to 2005								
WV0098264	SS7	2003 to 2004	0.0225	0.035	0.2505	0.328	0.4145	0.5675		
WV0098264	SS7	2004 to 2005								
WV0098311	006	2003 to 2004		0.17		1.39		0.01		2
WV0098311	006	2004 to 2005								
WV0098671	002	2003 to 2004		0.46	0.87	0.783333333	0.05	0.038333333	10.5	10.66666667
WV0098671	002	2004 to 2005			0.56	0.56	0.12	0.12	2	2
WV0098671	003	2003 to 2004		0.57	0.292727273	0.4	0.475454545	0.608181818	2.727272727	3.909090909
WV0098671	003	2004 to 2005			0.76375	1.00625	0.50625	0.6125	7.75	8.875
WV0098710	002	2003 to 2004	0.115675	0.151	0.257979167	0.375758333	0.078466667	0.090033333	6.458333333	10.58333333
WV0098710	002	2004 to 2005	0.20925	0.270833333	0.199166667	0.319416667	0.085666667	0.118166667	9.695833333	13.33333333
WV0098710	007	2003 to 2004	0.112958333	0.18225	0.341295833	0.491341667	0.433304167	0.539725	13.54166667	23.33333333
WV0098710	007	2004 to 2005	0.203708333	0.241166667	0.233583333	0.305916667	0.433666667	0.550166667	7.0525	9.678333333
WV0098710	008	2003 to 2004	0.162466667	0.279091667	0.37235	0.574408333	0.10465	0.132441667	11.79166667	16.75
WV0098710	008	2004 to 2005	0.352916667	0.498333333	0.371708333	0.562916667	0.086958333	0.117	20.13083333	30.08333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0098710	009	2003 to 2004	0.224125	0.338666667	0.48815	0.655991667	0.0853625	0.122216667	18.125	23.58333333
WV0098710	009	2004 to 2005	0.243625	0.33175	0.339833333	0.423833333	0.098875	0.106166667	11.08333333	13.83333333
WV0098710	010	2003 to 2004	0.187666667	0.221444444	0.305	0.334333333	0.050111111	0.059	7.611111111	8.444444444
WV0098710	010	2004 to 2005	0.262857143	0.375714286	0.291428571	0.418571429	0.066571429	0.093714286	10.60714286	14.28571429
WV0098744	001	2003 to 2004	1.553333333	2.347777778	9.038333333	0.369444444	0.936666667	1.366666667	5.222222222	9.666666667
WV0098744	001	2004 to 2005	1.195833333	1.665833333	0.138333333	0.170833333	1.318333333	1.455	4.75	7.166666667
WV0098744	002	2003 to 2004	0.952222222	1.35	0.766666667	1.165555556	1.497777778	2.413333333	7.333333333	11.88888889
WV0098744	002	2004 to 2005	0.716363636	1.022727273	0.533636364	0.8	1.257272727	1.733636364	4.090909091	6.363636364
WV0098744	003	2003 to 2004		0		0		0.06		1
WV0098744	003	2004 to 2005								
WV0098761	001	2003 to 2004	0.1470625	0.212958333	0.305658333	0.375	0.153458333	0.188916667	9.208333333	11.33333333
WV0098761	001	2004 to 2005	0.249875	0.3355	0.344166667	0.489	0.158833333	0.197916667	17.98166667	25.91666667
WV0098761	002	2003 to 2004								
WV0098761	002	2004 to 2005	0.375	0.4515	0.57775	0.7295	0.02975	0.0415	47.25	50
WV0098761	003	2003 to 2004	0.232875	0.2585	0.339	0.41225	1.624625	1.79475	15.5	18.25
WV0098761	003	2004 to 2005	0.206666667	0.213333333	0.74	0.773333333	1.61	1.63	6	6.333333333
WV0098761	004	2003 to 2004								
WV0098761	004	2004 to 2005	0.507	0.507	0.325	0.325	0.003	0.003	21	21
WV0098868	001	2003 to 2004	0.47	0.47	0.38	0.38	1.65	1.65	6	6
WV0098868	001	2004 to 2005	0.385454545	0.493636364	0.422727273	0.494545455	0.833636364	0.98	8.954545455	10.13636364
WV0098868	003	2003 to 2004	0.11375	0.16	0.17375	0.248333333	0.090416667	0.105833333	7.958333333	11.08333333
WV0098868	003	2004 to 2005	0.2175	0.300833333	0.181666667	0.231666667	0.183333333	0.279166667	9.375	14.33333333
WV0098868	005	2003 to 2004	0.08125	0.1125	0.152916667	0.23	0.077916667	0.094166667	6.395833333	9.041666667
WV0098868	005	2004 to 2005	0.160833333	0.22	0.179166667	0.2375	0.2575	0.371666667	5.708333333	9.041666667
WV0098868	008	2003 to 2004								
WV0098868	008	2004 to 2005	0.06	0.06	0.11	0.11	0.05	0.05	7	7
WV0098868	011	2003 to 2004	0.126666667	0.160833333	0.277083333	0.313333333	0.899583333	1.000833333	5.3125	7.208333333
WV0098868	011	2004 to 2005	0.235	0.325833333	0.274166667	0.371666667	0.646666667	0.8025	6.104166667	8.75
WV0098868	016	2003 to 2004	0.129583333	0.166666667	0.162916667	0.245833333	0.586666667	0.6975	6.1875	9.833333333
WV0098868	016	2004 to 2005	0.184545455	0.230909091	0.131818182	0.178181818	0.549090909	0.668181818	6.363636364	9
WV0098868	017	2003 to 2004	0.159166667	0.195833333	0.191666667	0.278333333	0.93375	1.159166667	10.64583333	16.625
WV0098868	017	2004 to 2005	0.155833333	0.205	0.138333333	0.1725	0.7225	0.988333333	7.104166667	10.95833333
WV0098868	024	2003 to 2004	0.139583333	0.180833333	0.137083333	0.205833333	0.681666667	0.893333333	7.125	9.583333333
WV0098868	024	2004 to 2005	0.134166667	0.185833333	0.108333333	0.163333333	0.620833333	0.739166667	6.333333333	9.833333333
WV0098868	025	2003 to 2004	0.125	0.159166667	0.16125	0.210833333	0.451666667	0.6425	8.708333333	13.16666667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Loadings Year</b>	<b>Aluminum Average Conc. (a)</b>	<b>Aluminum Maximum Conc. (a)</b>	<b>Iron Average Conc. (a)</b>	<b>Iron Maximum Conc. (a)</b>	<b>Manganese Average Conc. (a)</b>	<b>Manganese Maximum Conc. (a)</b>	<b>TSS Average Conc. (a)</b>	<b>TSS Maximum Conc. (a)</b>
WV0098868	025	2004 to 2005	0.186666667	0.274166667	0.180833333	0.241666667	0.483333333	0.660833333	6.729166667	11.33333333
WV0098868	034	2003 to 2004	0.20125	0.255	1.67875	2.095	0.645	0.6575	15.8125	21.25
WV0098868	034	2004 to 2005	0.331666667	0.484166667	0.478333333	0.658333333	0.764166667	1.024166667	7.020833333	10.08333333
WV0098868	035	2003 to 2004	0.274	0.382	0.477	0.598	0.483	0.576	13.6	14.6
WV0098868	035	2004 to 2005	0.194285714	0.275714286	0.214285714	0.244285714	0.224285714	0.298571429	8.821428571	11.28571429
WV0098868	040	2003 to 2004	0.184	0.23	0.789	1.22	0.635	0.774	18.05	24.8
WV0098868	040	2004 to 2005	0.281818182	0.354545455	0.367272727	0.491818182	0.626363636	0.929090909	10.79545455	16.09090909
WV0098868	041	2003 to 2004	0.170416667	0.220833333	0.22625	0.341666667	0.5125	0.630833333	5.979166667	8.770833333
WV0098868	041	2004 to 2005	0.1875	0.28	0.255833333	0.321666667	0.588333333	0.7025	5.125	7.625
WV0098868	053	2003 to 2004	0.03	0.03	0.14	0.14	1.03	1.03	9	9
WV0098868	053	2004 to 2005	0.42	0.42	0.4	0.4	0.25	0.25	1.5	1.5
WV0098868	059	2003 to 2004	0.195	0.304545455	0.687272727	0.89	1.082727273	1.23	8	10.54545455
WV0098868	059	2004 to 2005	0.221666667	0.3375	0.233333333	0.298333333	0.95	1.2325	6.229166667	9.333333333
WV0099015	002	2003 to 2004	0.3175	0.56625	0.405	0.485	0.4175	0.49	6.1975	9.3417425
WV0099015	002	2004 to 2005	0.115	0.13016	0.44	0.62942	0.315	0.38005	11.335	13.16728
WV0099015	003	2003 to 2004	0.111714286	0.149428571	0.308333333	0.39	0.577142857	0.691428571	12.19	15.32861714
WV0099015	003	2004 to 2005								
WV0099015	008	2003 to 2004	0.11	0.12	0.21	0.21	0.08	0.11	5.33	5.66721
WV0099015	008	2004 to 2005								
WV0099015	010	2003 to 2004	0.396666667	0.436666667	0.473333333	0.53	0.08	0.11	11.89	16.77804333
WV0099015	010	2004 to 2005								
WV0099015	012	2003 to 2004	0.23	0.276666667	0.636666667	0.91	0.446666667	0.483333333	5.223333333	7.000166667
WV0099015	012	2004 to 2005								
WV0099015	013	2003 to 2004	0.265	0.27	0.275	0.285	0.04	0.055	7.165	9.499555
WV0099015	013	2004 to 2005								
WV0099015	016	2003 to 2004	0.114285714	0.148	0.232857143	0.297142857	0.104285714	0.14	24.92857143	30.38104143
WV0099015	016	2004 to 2005								
WV0099015	017	2003 to 2004	1.483333333	1.741666667	0.688333333	1.071666667	0.185	0.285	25.46666667	28.43928
WV0099015	017	2004 to 2005								
WV0099015	019	2003 to 2004	0.141666667	0.164166667	0.508333333	0.585	0.213333333	0.243333333	12.14	14.38989167
WV0099015	019	2004 to 2005								
WV0099015	021	2003 to 2004	0.223333333	0.25	0.593333333	0.646666667	0.173333333	0.21	10.16666667	12.66691333
WV0099015	021	2004 to 2005								
WV0099015	DDR024	2003 to 2004	0.11	0.12	0.15	0.16	0.03	0.03	0	0
WV0099015	DDR024	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0099015	DRBMR18	2003 to 2004	0.25	0.32	0.453333333	0.52	0.063333333	0.073333333	5.61	8.000136667
WV0099015	DRBMR18	2004 to 2005								
WV0099015	DRBMR21	2003 to 2004	0.226666667	0.313333333	0.46	0.58	0.053333333	0.073333333	4.333333333	5.55714
WV0099015	DRBMR21	2004 to 2005								
WV0099015	DRR19	2003 to 2004	0.15	0.173333333	0.52	0.686666667	0.136666667	0.146666667	2.833333333	3.666876667
WV0099015	DRR19	2004 to 2005								
WV0099015	DS FED1	2003 to 2004	0.21	0.29	0.26	0.306666667	0.07	0.08	3.556666667	4.111306667
WV0099015	DS FED1	2004 to 2005								
WV0099015	DS-1	2003 to 2004	0.256666667	0.35	0.433333333	0.486666667	0.18	0.206666667	6.333333333	7.666746667
WV0099015	DS-1	2004 to 2005								
WV0099015	DSR16	2003 to 2004	0.156666667	0.196666667	0.193333333	0.256666667	0.02	0.03	4.556666667	6.111066667
WV0099015	DSR16	2004 to 2005								
WV0099015	DSR17	2003 to 2004	0.783333333	0.893333333	0.3	0.386666667	0.12	0.14	12.38666667	15.55522333
WV0099015	DSR17	2004 to 2005								
WV0099015	DUTMR14	2003 to 2004	0.203333333	0.226666667	0.2	0.253333333	0.008333333	0.008333333	8.333333333	11.99933333
WV0099015	DUTMR14	2004 to 2005								
WV0099015	UDR024	2003 to 2004	0.14	0.17	0.16	0.18	0.02	0.03	5	7.00116
WV0099015	UDR024	2004 to 2005								
WV0099015	URBMR18	2003 to 2004	0.16	0.183333333	0.48	0.63	0.053333333	0.066666667	4.666666667	5.666533333
WV0099015	URBMR18	2004 to 2005								
WV0099015	URBMR21	2003 to 2004	0.136666667	0.17	0.353333333	0.42	0.053333333	0.076666667	4.89	6.77677
WV0099015	URBMR21	2004 to 2005								
WV0099015	URR19	2003 to 2004	0.193333333	0.226666667	0.61	0.803333333	0.143333333	0.16	2.833333333	3.00169
WV0099015	URR19	2004 to 2005								
WV0099015	US FED1	2003 to 2004	0.26	0.396666667	0.233333333	0.243333333	0.046666667	0.056666667	2.61	2.887646667
WV0099015	US FED1	2004 to 2005								
WV0099015	US-1	2003 to 2004	0.353333333	0.416666667	0.253333333	0.283333333	0.11	0.116666667	3.283333333	4.566823333
WV0099015	US-1	2004 to 2005								
WV0099015	USR16	2003 to 2004	0.126666667	0.166666667	0.353333333	0.376666667	0.163333333	0.186666667	1.833333333	2.666713333
WV0099015	USR16	2004 to 2005								
WV0099015	USR17	2003 to 2004	0.3	0.366666667	0.44	0.473333333	0.106666667	0.123333333	10	12.11087
WV0099015	USR17	2004 to 2005								
WV0099147	001	2003 to 2004	0.0989	0.103	0.373	0.4163	0.4368	0.4649	10.5	11.7
WV0099147	001	2004 to 2005	0.33	0.34	0.225	0.235	0.15	0.19	6.5	9.5
WV0099252	001	2003 to 2004	0.40625	0.411111111	0.461875	0.548888889	0.344375	0.426666667	7.75	10.22222222



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0099252	001	2004 to 2005	0.4	0.4	0.161875	0.19375	0.155625	0.17625	5.25	6.625
WV0099252	002	2003 to 2004	0.4	0.4	0.475	0.56125	0.347857143	0.44875	8.428571429	14.125
WV0099252	002	2004 to 2005	0.4	0.4	0.370714286	0.41875	0.279285714	0.35875	11.21428571	12.75
WV0099252	003	2003 to 2004	0.4	0.4	0.38	0.5	0.08	0.11	5.5	10
WV0099252	003	2004 to 2005	0.4	0.4	0.158	0.18	0.08	0.088	5.2	7.4
WV0099252	004	2003 to 2004	0.4	0.4	0.325	0.525	0.125	0.28	7	10
WV0099252	004	2004 to 2005								
WV0099252	005	2003 to 2004		0.4		0.095		0.035		9
WV0099252	005	2004 to 2005								
WV0099252	006	2003 to 2004	0.4	0.4	0.405	0.33	0.29	0.205	4.5	7
WV0099252	006	2004 to 2005								
WV0099252	007	2003 to 2004		0.4		0.07		0.04		1
WV0099252	007	2004 to 2005								
WV0099252	009	2003 to 2004	0.445	0.49	0.606	0.833	0.5085	0.607	5.85	9
WV0099252	009	2004 to 2005	0.416666667	0.433333333	0.465	0.566666667	0.472916667	0.5325	5.75	8.5
WV0099392	004	2003 to 2004	0.304545455	0.397272727	0.17	0.226363636	0.128181818	0.184545455	7.454545455	9.636363636
WV0099392	004	2004 to 2005	0.249166667	0.365	0.88	1.619166667	0.1675	0.21	11.75	18.33333333
WV0099392	007	2003 to 2004			0.151818182	0.217272727			13.18181818	16.90909091
WV0099392	007	2004 to 2005	0.394444444	0.582222222	0.1775	0.244166667	0.182222222	0.211111111	16.91666667	21.66666667
WV0099392	009	2003 to 2004			0.2	0.325454545			5.909090909	7.636363636
WV0099392	009	2004 to 2005	0.405555556	0.614444444	0.225	0.326666667	0.124444444	0.19	12.75	20.83333333
WV0099392	010	2003 to 2004			0.19	0.254545455			9.727272727	14.36363636
WV0099392	010	2004 to 2005	0.297777778	0.418888889	0.215	0.28	0.071111111	0.097777778	9.166666667	10.5
WV0099392	011	2003 to 2004			0.292727273	0.386363636			5.272727273	6
WV0099392	011	2004 to 2005	0.368888889	0.503333333	0.304166667	0.385833333	0.202222222	0.237777778	9.083333333	12.5
WV0099392	012	2003 to 2004			0.392727273	0.53			9	12.54545455
WV0099392	012	2004 to 2005	0.457777778	0.533333333	0.405833333	0.515	0.668888889	0.82	9.75	12.83333333
WV0099392	013	2003 to 2004			0.205454545	0.31			10.45454545	14.72727273
WV0099392	013	2004 to 2005	0.383333333	0.562222222	0.234166667	0.336666667	0.25	0.304444444	12	15.16666667
WV0099392	014	2003 to 2004	0.481818182	0.710909091	0.114545455	0.170909091	0.072727273	0.105454545	10.81818182	14.72727273
WV0099392	014	2004 to 2005	0.35	0.4975	0.131666667	0.189166667	0.0575	0.0725	14.75	18.33333333
WV0099392	015	2003 to 2004			0.112727273	0.161818182			15.09090909	20.54545455
WV0099392	015	2004 to 2005	0.321111111	0.408888889	0.166666667	0.2575	0.083333333	0.098888889	19.08333333	22.33333333
WV0099392	017	2003 to 2004			0.181818182	0.226363636			12	16.72727273
WV0099392	017	2004 to 2005	0.426666667	0.574444444	0.205833333	0.265833333	0.075555556	0.091111111	12.41666667	15.33333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0099392	018	2003 to 2004			0.188181818	0.302727273			7.818181818	9.636363636
WV0099392	018	2004 to 2005	0.3125	0.40875	0.366363636	0.562727273	0.0625	0.07375	16.81818182	22.18181818
WV0099392	019	2003 to 2004			0.136363636	0.186363636			7.090909091	8.363636364
WV0099392	019	2004 to 2005	0.27	0.388888889	0.168333333	0.221666667	0.105555556	0.172222222	10.33333333	12.5
WV0099392	020	2003 to 2004			0.278181818	0.58			15.45454545	25.09090909
WV0099392	020	2004 to 2005	0.32	0.436666667	0.360833333	0.581666667	0.088888889	0.13	14	18.33333333
WV0099392	021	2003 to 2004			0.185454545	0.263636364			7.636363636	10.18181818
WV0099392	021	2004 to 2005	0.2775	0.38	0.151818182	0.191818182	0.05875	0.0825	9.090909091	11.81818182
WV0099392	025	2003 to 2004			0.145454545	0.194545455			11.09090909	13.09090909
WV0099392	025	2004 to 2005	0.257777778	0.328888889	0.139166667	0.178333333	0.032222222	0.044444444	18.41666667	25
WV0099392	026	2003 to 2004			0.205	0.24			5	5.8
WV0099392	026	2004 to 2005	0.475	0.475	0.51	0.52	0.105	0.105	6.666666667	6.666666667
WV0099392	027	2003 to 2004	0.423636364	0.605454545	0.19	0.261818182	0.166363636	0.225454545	9.272727273	12.54545455
WV0099392	027	2004 to 2005	0.3725	0.528333333	0.203333333	0.268333333	0.168333333	0.235	10.5	12.83333333
WV0099392	028	2003 to 2004	0.465454545	0.691818182	0.196363636	0.294545455	0.130909091	0.173636364	6.090909091	7.636363636
WV0099392	028	2004 to 2005	0.325833333	0.441666667	0.198333333	0.241666667	0.125833333	0.158333333	7.916666667	9.666666667
WV0099392	030	2003 to 2004	0.486	0.486	0.34	0.34	0.052	0.052	4.8	4.8
WV0099392	030	2004 to 2005								
WV0099392	031	2003 to 2004	0.548	0.592	0.2	0.246	0.122	0.146	4.6	4.8
WV0099392	031	2004 to 2005								
WV0099392	032	2003 to 2004	0.413636364	0.58	0.097272727	0.160909091	0.046363636	0.063636364	15.72727273	19.45454545
WV0099392	032	2004 to 2005	0.233333333	0.345	0.075833333	0.1075	0.021666667	0.028333333	16.58333333	20.16666667
WV0099392	033	2003 to 2004	0.371818182	0.558181818	0.110909091	0.163636364	0.087272727	0.14	16.81818182	22.36363636
WV0099392	033	2004 to 2005	0.213333333	0.320833333	0.084166667	0.110833333	0.049166667	0.074166667	18	21.33333333
WV0099392	034	2003 to 2004	0.391	0.537	0.141	0.19	0.147	0.174	5.5	6.8
WV0099392	034	2004 to 2005	0.176666667	0.255	0.31	0.455833333	0.9675	1.53	7.75	11
WV0099392	036	2003 to 2004	0.489090909	0.65	0.221818182	0.289090909	0.090909091	0.125454545	5.818181818	6.909090909
WV0099392	036	2004 to 2005	0.324	0.435	0.206	0.278	0.049	0.074	9.5	15.4
WV0099392	037	2003 to 2004	0.464545455	0.599090909	0.2	0.293636364	0.087272727	0.138181818	8.909090909	11.27272727
WV0099392	037	2004 to 2005	0.433333333	0.661666667	0.3825	0.628333333	0.061666667	0.085	11.83333333	15.66666667
WV0099392	038	2003 to 2004	0.413636364	0.57	0.353636364	0.452727273			9.272727273	12.18181818
WV0099392	038	2004 to 2005	0.3975	0.5275	0.28	0.358333333	0.168888889	0.222222222	12.58333333	18.83333333
WV0099392	040	2003 to 2004	0.341818182	0.462727273	0.202727273	0.260909091	0.181818182	0.269090909	9.545454545	12.72727273
WV0099392	040	2004 to 2005	0.3375	0.508333333	0.354166667	0.505833333	0.2025	0.245	21.91666667	31
WV0099392	041	2003 to 2004	0.511428571	0.718571429	0.175714286	0.265714286	0.28	0.37	7.285714286	9.142857143

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0099392	041	2004 to 2005								
WV0099392	042	2003 to 2004	0.533636364	0.747272727	0.428181818	0.665454545	0.11	0.18	17.81818182	27.63636364
WV0099392	042	2004 to 2005	0.457272727	0.705454545	0.196363636	0.288181818	0.05	0.062727273	9.909090909	14.36363636
WV0099392	043	2003 to 2004	0.874444444	1.033333333	0.813333333	0.925555556	0.544444444	0.721111111	39.66666667	45.77777778
WV0099392	043	2004 to 2005	0.584444444	0.616666667	1.181111111	1.628888889	1.156666667	1.366666667	19.88888889	22.22222222
WV0099392	045	2003 to 2004	0.373636364	0.504545455	0.098181818	0.149090909	0.032727273	0.042727273	7.090909091	8.727272727
WV0099392	045	2004 to 2005	0.2125	0.31	0.081666667	0.103333333	0.043333333	0.0625	9.583333333	12
WV0099392	046	2003 to 2004	0.389090909	0.530909091	0.110909091	0.157272727	0.115454545	0.192727273	10.45454545	13.81818182
WV0099392	046	2004 to 2005	0.2325	0.3575	0.185833333	0.300833333	0.0575	0.075	24.58333333	40.83333333
WV0099392	047	2003 to 2004	0.323636364	0.47	0.124545455	0.191818182	0.093636364	0.139090909	15	17.81818182
WV0099392	047	2004 to 2005	0.275833333	0.44	0.123333333	0.1725	0.149166667	0.215833333	23.08333333	32.16666667
WV0099392	048	2003 to 2004	0.378333333	0.421666667	0.205	0.22	0.106666667	0.11	4.5	5
WV0099392	048	2004 to 2005	0.158	0.158	0.114	0.114	0.026	0.026	7.2	7.2
WV0099392	049	2003 to 2004	0.302727273	0.45	0.233636364	0.311818182	0.111818182	0.159090909	8.363636364	10.36363636
WV0099392	049	2004 to 2005	0.294166667	0.399166667	0.340833333	0.520833333	0.261666667	0.393333333	16.33333333	21.83333333
WV0099392	050	2003 to 2004	0.344545455	0.427272727	0.158181818	0.197272727	0.240909091	0.401818182	7.090909091	9.272727273
WV0099392	050	2004 to 2005	0.346	0.486	0.338	0.463	0.292	0.369	13.3	19
WV0099392	051	2003 to 2004	0.27	0.45	0.045	0.065	0.085	0.13	14.5	19
WV0099392	051	2004 to 2005	0.36	0.36	0.03	0.03	0.01	0.01	10	10
WV0099392	052	2003 to 2004	0.246	0.356	0.276	0.374	0.532	0.896	5.8	7.6
WV0099392	052	2004 to 2005								
WV0099392	053	2003 to 2004	0.517272727	0.646363636	0.200909091	0.264545455	0.390909091	0.658181818	10.18181818	11.45454545
WV0099392	053	2004 to 2005	0.3025	0.428333333	0.1825	0.281666667	0.84	1.121666667	7.416666667	9.333333333
WV0099392	054	2003 to 2004	0.28	0.286666667	0.45	0.46	0.045	0.051666667	4	4
WV0099392	054	2004 to 2005	0.22	0.22	0.17	0.17	0.03	0.03	4	4
WV0099414	001	2003 to 2004		0.4		0.265		0.1625		4.5
WV0099414	001	2004 to 2005	0.18	0.173	0.2025	0.2	0.0225	0.023333333	7.25	7
WV0099414	007	2003 to 2004	0.4	0.6	0.255	0.608	0.135	0.21	4.5	10.2
WV0099414	007	2004 to 2005								
WV0099414	012	2003 to 2004								
WV0099414	012	2004 to 2005		0.4		0.22		0.13		5
WV0099414	013	2003 to 2004								
WV0099414	013	2004 to 2005		0.4		0.12		0.22		3
WV0099414	014	2003 to 2004								
WV0099414	014	2004 to 2005		0.4		0.17		0.03		4

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0099473	003	2003 to 2004	0.087916667	0.087916667	0.659166667	0.659166667	0.83	0.83	1.958333333	1.958333333
WV0099473	003	2004 to 2005	0.2325	0.2325	0.78	0.78	0.558333333	0.558333333	6.583333333	6.583333333
WV0099490	008	2003 to 2004	0.4	0.4	1.03	1.215	0.43	0.45	4	5
WV0099490	008	2004 to 2005								
WV0099490	009	2003 to 2004	0.4	0.4	0.155	0.155	0.115	0.115	1.5	1.5
WV0099490	009	2004 to 2005	0.4	0.4	0.62	0.62	0.51	0.51	3	3
WV0099490	010	2003 to 2004	0.31	0.328	0.055	0.114	0.11	0.184	1.625	2.6
WV0099490	010	2004 to 2005	1.425	2.3	0.15375	0.1575	0.45875	0.475	3.625	4.5
WV0099490	011	2003 to 2004	0.4	0.4	0.29	0.29	0.1875	0.1875	6	6
WV0099490	011	2004 to 2005	0.4	0.4	0.59	0.59	0.12	0.12	23	23
WV0099490	012	2003 to 2004	0.4	0.4	1.1	1.1	0.63	0.63	3	3
WV0099490	012	2004 to 2005								
WV0099490	013	2003 to 2004	0.4	0.4	0.428	0.536	1.844	2.993	3.5	5.2
WV0099490	013	2004 to 2005	0.4	0.4	0.705714286	0.744285714	1.563571429	1.631428571	3.285714286	3.571428571
WV0099490	014	2003 to 2004	0.4	0.4	0.902083333	1.195833333	0.88	1.223333333	3.208333333	4.333333333
WV0099490	014	2004 to 2005	0.4	0.4	0.750833333	0.8875	0.84125	1.043333333	2.916666667	3.916666667
WV0099490	017	2003 to 2004	0.4	0.4	0.3325	0.3775	0.96	1.3575	4.875	5
WV0099490	017	2004 to 2005	0.4	0.4	0.216666667	0.216666667	0.43	0.43	1.666666667	1.666666667
WV0099490	019	2003 to 2004	3.9	5.75	0.15125	0.17	4.3675	5.43	18.875	25.25
WV0099490	019	2004 to 2005	1.6	1.6	0.05	0.05	5.9	5.9	14	14
WV0099490	300	2003 to 2004	1.55	1.375	0.45	0.73	10.55	14.525	9.5	5.75
WV0099490	300	2004 to 2005	1	1	1.433333333	1.433333333	11.53333333	11.53333333	11	11
WV0099490	301	2003 to 2004	1.1	2.566666667	0.56	1.06	10	13.6	5	9.666666667
WV0099490	301	2004 to 2005	0.4	0.4	0.22	0.22	2.63	2.63	3	3
WV0099511	001	2003 to 2004	0.1925	0.223333333	0.125833333	0.165	0.055	0.058333333	3.416666667	3.833333333
WV0099511	001	2004 to 2005	0.206666667	0.240833333	0.0925	0.120833333	0.0325	0.036666667	3	3
WV0099511	002	2003 to 2004	0.145714286	0.167142857	0.052857143	0.062857143		0	3	3
WV0099511	002	2004 to 2005	0.202	0.234	0.038	0.044			3	3
WV0099511	003	2003 to 2004	0.165454545	0.186363636	0.067272727	0.083636364		0	3.045454545	3.090909091
WV0099511	003	2004 to 2005	0.190833333	0.2225	0.060833333	0.0725			3.166666667	3.25
WV0099520	001	2003 to 2004	0.415	0.559166667	0.1475	0.225	0.03	0.0425	10	13.5
WV0099520	001	2004 to 2005	0.278333333	0.405	0.114166667	0.175833333	0.044166667	0.0725	10.08333333	17.33333333
WV0099520	002	2003 to 2004								
WV0099520	002	2004 to 2005	0.292	0.352	0.06	0.068	0.02	0.024	5.8	6.4
WV0099520	008	2003 to 2004	1.49	1.49	0.65	0.65	0.26	0.26	38	38

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0099520	008	2004 to 2005	0.393333333	0.446666667	0.056666667	0.08	0.03	0.033333333	4	4
WV0099520	011	2003 to 2004	0.418333333	0.521666667	0.123333333	0.181666667	0.023333333	0.026666667	8.083333333	10.83333333
WV0099520	011	2004 to 2005	0.295	0.413333333	0.110833333	0.1375	0.031666667	0.034166667	12.08333333	13.66666667
WV0099520	016	2003 to 2004	0.37	0.37	0.55	0.55	0.165	0.165	7	7
WV0099520	016	2004 to 2005								
WV0099589	001	2003 to 2004	0.336	0.423	0.276666667	0.42	0.0375	0.056666667	8.540833333	12.36
WV0099589	001	2004 to 2005	0.1075	0.128333333	0.175	0.220833333	0.046666667	0.074166667	4.903333333	5.639166667
WV0099589	003	2003 to 2004								
WV0099589	003	2004 to 2005	0.07	0.07	0.09	0.09	0.02	0.02	6.67	6.67
WV0099643	002	2003 to 2004	0.268333333	0.415	0	0	0	0	25.625	26.875
WV0099643	002	2004 to 2005	0.695833333	1.1675	0	0	0	0	42.6875	49.79166667
WV0099651	001	2003 to 2004	0.102916667	0.133333333	0.247916667	0.461666667	0.093541667	0.149166667	4.885416667	8.5625
WV0099651	001	2004 to 2005	0.041666667	0.05625	0.115833333	0.213333333	0.109375	0.184166667	3.479166667	5.875
WV0099651	009	2003 to 2004	0.274166667	0.349166667	0.059791667	0.093333333	2.109583333	2.571666667	3.567708333	5.052083333
WV0099651	009	2004 to 2005	0.368958333	0.48	0.056041667	0.092916667	1.941875	2.344166667	3.875	6.083333333
WV0099651	010	2003 to 2004	0.2575	0.295	0.43	0.48	0.0525	0.06	358.125	363.5
WV0099651	010	2004 to 2005	0.13875	0.21625	0.1934375	0.2475	0.085	0.124375	2.6875	3.375
WV0099651	011	2003 to 2004	0.065833333	0.086666667	0.047083333	0.07	0.15	0.18	2.583333333	4.458333333
WV0099651	011	2004 to 2005	0.091111111	0.102222222	0.051388889	0.053333333	0.1375	0.151111111	5.277777778	6.388888889
WV0099716	025	2003 to 2004	0.302	0.514	0	0	0	0	0	0
WV0099716	025	2004 to 2005								
WV0099716	029	2003 to 2004	0.32	0.45	0	0	0	0	0	0
WV0099716	029	2004 to 2005								
WV0099759	001	2003 to 2004	0.069166667	0.117916667	0.093333333	0.16			7.036458333	9.6875
WV0099759	001	2004 to 2005	0.051666667	0.084166667	0.155833333	0.243333333	0.016875	0.02625	4.666666667	8.25
WV0099759	008	2003 to 2004	0.26	0.329166667	0.122708333	0.214583333	1.285833333	1.669166667	8.317708333	12.71875
WV0099759	008	2004 to 2005	0.200833333	0.226666667	0.04125	0.05375	1.19875	1.353333333	3.5625	4.458333333
WV0099759	009	2003 to 2004	0.322083333	0.38	0.384791667	0.475833333	0.392916667	0.455416667	24.46875	30.72916667
WV0099759	009	2004 to 2005	0.189583333	0.323333333	0.18875	0.32	0.122083333	0.220833333	18.91666667	37.16666667
WV0099929	001	2003 to 2004	0.04	0.04	0	0	0	0	0	0
WV0099929	001	2004 to 2005								
WV0099929	DGC	2003 to 2004	0.415	0.415	0.085	0.085	0.035	0.035		
WV0099929	DGC	2004 to 2005	0.518888889	0.518888889	0.234444444	0.234444444	0.036666667	0.036666667		
WV0099929	DSB	2003 to 2004	1.9	1.9	0.93	0.93	0.073333333	0.073333333		
WV0099929	DSB	2004 to 2005	0.813	0.813	0.12	0.12	0.398	0.398		

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV0099929	UGC	2003 to 2004	0.1725	0.1725	0.1275	0.1275	0.021666667	0.021666667		
WV0099929	UGC	2004 to 2005	2.049166667	2.049166667	0.2125	0.2125	3.760833333	3.760833333		
WV0099929	USB	2003 to 2004	3.107	3.107	0.844	0.844	0.075	0.075		
WV0099929	USB	2004 to 2005	0.691818182	0.691818182	0.334545455	0.334545455	0.051818182	0.051818182		
WV0099970	002	2003 to 2004	0.340833333	0.420833333	0.103333333	0.146666667			10.08333333	13.16666667
WV0099970	002	2004 to 2005	0.32	0.494166667	0.098333333	0.128333333	0.016666667	0.016666667	8.727272727	10.36363636
WV0099970	004	2003 to 2004	0.416666667	0.493333333	0.14	0.155			5.5	5.666666667
WV0099970	004	2004 to 2005	0.311111111	0.37	0.182222222	0.221111111	0.02	0.023333333	7.625	9.5
WV0099970	DLF	2003 to 2004								
WV0099970	DLF	2004 to 2005	0.1	0.1225	0.105	0.1375	0.02	0.0225		
WV1000047	DNF2	2003 to 2004								
WV1000047	DNF2	2004 to 2005	0.2425	0.25	0.2725	0.275	0.075	0.0775	3.75	3.75
WV1000063	001	2003 to 2004			0.152916667	0.200833333	0.906666667	1.0475	4.151041667	6.25
WV1000063	001	2004 to 2005			0.107916667	0.151666667	0.67125	0.910833333	2.5	3.166666667
WV1000063	002	2003 to 2004			0.043333333	0.040333333	0.096666667	0.093666667	0	0
WV1000063	002	2004 to 2005								
WV1000063	003	2003 to 2004			0.12	0.12	0.02	0.02	11	11
WV1000063	003	2004 to 2005								
WV1000063	007	2003 to 2004			0.154583333	0.184166667	1.066666667	1.173333333	3.848958333	5.645833333
WV1000063	007	2004 to 2005			0.090208333	0.111666667	0.78125	0.953333333	3.020833333	4.625
WV1000063	008	2003 to 2004			0.125208333	0.1625	0.047083333	0.060833333	6.151041667	8.09375
WV1000063	008	2004 to 2005			0.132083333	0.173333333	0.051875	0.071666667	17	32.75
WV1000063	012	2003 to 2004			0.05	0.05	0	0	0	0
WV1000063	012	2004 to 2005			0.05625	0.0675	0.019375	0.02375	7.34375	10
WV1000063	013	2003 to 2004			0.094375	0.121666667	0.026666667	0.0375	2.729166667	4.645833333
WV1000063	013	2004 to 2005			0.073958333	0.089166667	0.045833333	0.055	2.083333333	3.166666667
WV1000268	001	2003 to 2004	0.102	0.129	0.3295	0.42	0.073	0.097	5.76875	9.2875
WV1000268	001	2004 to 2005	0.064545455	0.087727273	0.251818182	0.311818182	0.116590909	0.185454545	5.022727273	9.136363636
WV1000268	002	2003 to 2004	0.033	0.0505	0.4825	0.587	0.5865	0.691	3.70625	5.3625
WV1000268	002	2004 to 2005	0.041590909	0.068181818	0.585909091	0.693636364	0.609090909	0.705454545	1.75	2.909090909
WV1000268	005	2003 to 2004	0.259	0.311	0.06725	0.09	0.05675	0.071	2.48125	2.9625
WV1000268	005	2004 to 2005	0.218636364	0.251818182	0.050909091	0.066363636	0.049318182	0.060909091	1.25	1.818181818
WV1000268	006	2003 to 2004	0.02875	0.030833333	0.057916667	0.063333333	0.112916667	0.121666667	2.479166667	2.479166667
WV1000268	006	2004 to 2005	0.05875	0.07	0.295	0.325	0.4125	0.415	0	0
WV1000527	001	2003 to 2004	0.1342	0.1758	0.3195	0.4981	0.0613	0.09	4	5.6

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1000527	001	2004 to 2005	0.105333333	0.128166667	0.360916667	0.49975	0.10225	0.163416667	4.291666667	5.333333333
WV1000942	007	2003 to 2004	0.0213	0.0213	0.283636364	0.283636364	0.92	0.92	4.818181818	4.818181818
WV1000942	007	2004 to 2005	0.089142857	0.089142857	0.251428571	0.251428571			2.571428571	2.571428571
WV1000942	DMC	2003 to 2004	0.033636364	0.033636364	0.259090909	0.259090909	0.07	0.07	4.909090909	4.909090909
WV1000942	DMC	2004 to 2005	0.069375	0.072333333	0.242083333	0.245833333	0.047083333	0.054166667	4.833333333	4.833333333
WV1000942	UMC	2003 to 2004	0.057636364	0.057636364	0.34	0.34	0.088181818	0.088181818	14.72727273	14.72727273
WV1000942	UMC	2004 to 2005	0.093041667	0.099083333	0.395416667	0.421666667	0.075	0.099166667	7.875	8.25
WV1000942	UTMC1	2003 to 2004	0.079727273	0.079727273	0.306363636	0.306363636	0.06	0.06	9.636363636	9.636363636
WV1000942	UTMC1	2004 to 2005	0.151204545	0.159818182	0.49	0.521818182	0.170909091	0.194545455	14.27272727	14.27272727
WV1000942	UTMC2	2003 to 2004	0.085363636	0.085363636	0.280909091	0.280909091	0.088181818	0.088181818	13	13
WV1000942	UTMC2	2004 to 2005	0.1225	0.122636364	0.355	0.356363636	0.089545455	0.09	9.909090909	9.909090909
WV1000942	UTMR1	2003 to 2004	0.030454545	0.030454545	0.222727273	0.222727273	0.076363636	0.076363636	7.727272727	7.727272727
WV1000942	UTMR1	2004 to 2005	0.089772727	0.115	0.352272727	0.501818182	0.119090909	0.160909091	5.272727273	5.272727273
WV1000942	UTMR2	2003 to 2004	0.045	0.045	0.07	0.07	0.04	0.04	4.333333333	4.333333333
WV1000942	UTMR2	2004 to 2005	0.070958333	0.0815	0.811666667	1.468333333	0.233333333	0.411666667	4.5	4.5
WV1001159	002	2003 to 2004								
WV1001159	002	2004 to 2005	0	0	0	0	0	0	2	2
WV1001159	006	2003 to 2004			0.469583333	0.56			7.213541667	12.89583333
WV1001159	006	2004 to 2005	0.0675	0.11	0.1975	0.2935	0.045416667	0.0775	4.575	6.5
WV1001221	001	2003 to 2004		0	0.318333333	0.414166667	0.1225	0.151666667	5.625	8.166666667
WV1001221	001	2004 to 2005			0.33	0.4075	0.16	0.195	3.875	4.5
WV1001221	002	2003 to 2004		0	0.228333333	0.260833333	0.1325	0.160833333	4.416666667	5.833333333
WV1001221	002	2004 to 2005			0.912	1.17	0.316	0.492	3.916666667	4.416666667
WV1001221	003	2003 to 2004		0	0.268181818	0.340909091	0.120909091	0.153636364	5.045454545	6.636363636
WV1001221	003	2004 to 2005			0.752	0.874	0.178	0.246	6	7.8
WV1001221	005	2003 to 2004		0	0.248333333	0.318333333	0.150833333	0.1925	4.416666667	5.75
WV1001221	005	2004 to 2005			0.47	0.71	0.166666667	0.203333333	4	5
WV1001221	011	2003 to 2004		0	0.331666667	0.343333333	0.213333333	0.251666667	4.166666667	4.666666667
WV1001221	011	2004 to 2005			0.376666667	0.496666667	0.103333333	0.123333333	3	3
WV1001221	014	2003 to 2004		0	0.54125	0.57	0.2375	0.28	4.125	4.625
WV1001221	014	2004 to 2005								
WV1001221	015	2003 to 2004		0	0.19	0.19	0.055	0.055	3	3
WV1001221	015	2004 to 2005								
WV1001221	037	2003 to 2004		0	0.331666667	0.410833333	0.411666667	0.551666667	4	4.916666667
WV1001221	037	2004 to 2005			0.38	0.406	0.402	0.498	4.5	5.8

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1001221	041	2003 to 2004		0	0.295	0.3725	0.114166667	0.149166667	4	5
WV1001221	041	2004 to 2005			0.306	0.344	0.09	0.114	3.3	3.6
WV1001370	001	2003 to 2004	0.021666667	0.034583333	0.43875	0.5325	0.818333333	0.891666667	2.489583333	2.927083333
WV1001370	001	2004 to 2005	0.015681818	0.025	0.414090909	0.497272727	0.619545455	0.705454545	1.363636364	2.045454545
WV1001418	002	2003 to 2004	0.0425	0.069583333	0.137083333	0.1925	0.041041667	0.059583333	4.510416667	7.104166667
WV1001418	002	2004 to 2005	0.037083333	0.06125	0.13625	0.213333333	0.03	0.04125	6.854166667	12.16666667
WV1001442	001	2003 to 2004	0	0	0	0	0	0	0	0
WV1001442	001	2004 to 2005	0	0	0	0	0	0	0	0
WV1001442	018	2003 to 2004	0	0	0	0	0	0	0	0
WV1001442	018	2004 to 2005	0	0	0	0	0	0	0	0
WV1001647	009	2003 to 2004		0	0.353	0.46		0	4.55	5.6
WV1001647	009	2004 to 2005								
WV1001931	006	2003 to 2004	0.060625	0.07625	0.345416667	0.384166667	0.309166667	0.324166667	2.885416667	3.645833333
WV1001931	006	2004 to 2005	0.052083333	0.052083333	0.45	0.45	0.268333333	0.268333333	2	1.875125
WV1001965	001	2003 to 2004	0.111363636	0.152727273	0.138636364	0.188181818	0.175909091	0.305454545	6.522727273	9.590909091
WV1001965	001	2004 to 2005	0.171666667	0.228333333	0.228333333	0.285833333	0.365	0.466666667	7.5625	9.416666667
WV1001965	002	2003 to 2004	0.08	0.08	0.16	0.16	0.03	0.03	21	21
WV1001965	002	2004 to 2005								
WV1001965	003	2003 to 2004	0.108181818	0.144545455	0.214090909	0.326363636	0.186363636	0.280909091	5.795454545	8.590909091
WV1001965	003	2004 to 2005	0.173333333	0.223333333	0.25	0.321666667	0.38	0.571666667	15.1875	22.08333333
WV1001965	017	2003 to 2004	0.155	0.2175	0.234375	0.37	0.44625	0.54	10.0625	14.8125
WV1001965	017	2004 to 2005								
WV1001965	019	2003 to 2004	0.106818182	0.137272727	0.509545455	0.642727273	1.076363636	1.450909091	10.88636364	15.04545455
WV1001965	019	2004 to 2005	0.2275	0.338333333	0.624166667	0.81	0.893333333	1.184166667	12.29166667	18.75
WV1001965	047	2003 to 2004	0.110454545	0.151818182	0.437727273	0.517272727	0.609545455	0.753636364	10.88636364	16.90909091
WV1001965	047	2004 to 2005	0.12	0.166666667	0.394166667	0.53	0.455	0.6475	14.10416667	20.625
WV1002031	003	2003 to 2004			0.136458333	0.245			2.359375	2.885416667
WV1002031	003	2004 to 2005	0.0515	0.087	0.035	0.052916667	0.1115	0.166	1.041666667	1.5
WV1002040	001	2003 to 2004	0.05875	0.05875	0.01625	0.01625	0.2075	0.2075	0	0
WV1002040	001	2004 to 2005	0.043333333	0.043333333	0.064583333	0.064583333	0.202083333	0.202083333	0.75	0.75
WV1002368	001	2003 to 2004	0.091458333	0.130833333	0.231666667	0.321666667	0.180416667	0.2325	10.13020833	13.1875
WV1002368	001	2004 to 2005	0.053863636	0.086818182	0.131363636	0.155454545	0.122727273	0.146818182	2.409090909	3.409090909
WV1002384	008	2003 to 2004	0.054444444	0.081666667	0.887777778	1.218888889	0.556111111	0.661111111	2.5	3.180555556
WV1002384	008	2004 to 2005	0.023472223	0.032083333	6.779583333	7.3725	0.87875	0.915833333	11.41666667	13.33333333
WV1002384	009	2003 to 2004	0.0553125	0.075625	0.1003125	0.115625	0.0325	0.043125	4.53125	5.0625



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1002384	009	2004 to 2005	0.021111111	0.023333333	0.070833333	0.095555556	0.011666667	0.016111111	1.055555556	1.166666667
WV1002384	011	2003 to 2004	2.355625	2.7775	0.17125	0.23125	0.35	0.39875	6.5390625	9.375
WV1002384	011	2004 to 2005	1.472863636	1.655454545	0.107045455	0.120909091	0.225	0.257272727	4.863636364	5.954545455
WV1002384	012	2003 to 2004	0.3825	0.39	0.64625	0.6675	0.1375	0.15	2.25	3.0625
WV1002384	012	2004 to 2005	0.31	0.314	0.642	0.664	0.1025	0.105	1.3	1.3
WV1002571	DUTMR-1	2003 to 2004	7.15	7.15	0.755	0.755	0.91	0.91		
WV1002571	DUTMR-1	2004 to 2005								
WV1002619	002	2003 to 2004	0.067625	0.098125	0.2155	0.249333333	0.182944444	0.205444444	2.388888889	3
WV1002619	002	2004 to 2005	0.228388889	0.28	0.283944444	0.377	0.142722222	0.171888889	5.222277778	6.127
WV1002678	008	2003 to 2004	0.236722727	0.396627273	0.870127273	1.187572727	9.25855	10.45091818	5.954545455	8.545454545
WV1002678	008	2004 to 2005	0.486833333	0.708916667	1.393541667	1.816333333	8.673166667	9.544	7.464291667	9.75
WV1002678	009	2003 to 2004	0.147475	0.2435	0.248145	0.3688	0.13104	0.16138	8.95	14.2
WV1002678	009	2004 to 2005								
WV1002678	013	2003 to 2004	0.099768182	0.184781818	0.334163636	0.4177	0.900783333	1.219266667	6.954545455	10.18181818
WV1002678	013	2004 to 2005	0.118083333	0.142833333	0.35125	0.4245			4.708333333	5.458333333
WV1002678	DRR-2	2003 to 2004	0.04	0.07	0.4235	0.545	0.379	0.451		
WV1002678	DRR-2	2004 to 2005								
WV1002678	DUTTR-3	2003 to 2004	0.02	0.03	0.0765	0.083	0.058	0.08		
WV1002678	DUTTR-3	2004 to 2005								
WV1002678	DWR-S1	2003 to 2004	0.02	0.03	0.337	0.483	4.285	4.41		
WV1002678	DWR-S1	2004 to 2005								
WV1002678	URR-1	2003 to 2004	0.01	0.01	0.42	0.43	0.3895	0.419		
WV1002678	URR-1	2004 to 2005								
WV1002678	UUTRR-3	2003 to 2004	0.015	0.02	0.145	0.22	0.1875	0.285		
WV1002678	UUTRR-3	2004 to 2005								
WV1002686	001	2003 to 2004	0.30875	0.31875	0.26125	0.2775	0.0375	0.04	4.6625	5.1
WV1002686	001	2004 to 2005	0.91	0.91	0.77	0.77	0.039285714	0.039285714	6.888571429	6.888571429
WV1002686	003	2003 to 2004	0.079166667	0.0825	1.335	1.745833333	0.664166667	0.7375	6.875	8.733333333
WV1002686	003	2004 to 2005	0.08	0.099166667	1.396666667	1.825	0.749583333	0.964166667	9.325	12.71666667
WV1002686	004	2003 to 2004								
WV1002686	004	2004 to 2005	0.19	0.19	0.445	0.445	0.0335	0.0335	0.905	0.905
WV1002686	005	2003 to 2004	0.291111111	0.312222222	0.28	0.287777778	0.101111111	0.105555556	3.644444444	4.088888889
WV1002686	005	2004 to 2005	0.208	0.294	0.243	0.323	0.0545	0.0625	4.703	4.973
WV1002791	004	2003 to 2004	0.241944444	0.336444444	0.601833333	0.693222222	4.412888889	4.972555556	5.674611111	6.777777778
WV1002791	004	2004 to 2005	0.579277778	0.713777778	0.264388889	0.363444444	4.084	4.962777778	4.460388889	5.373055556

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1002791	005	2003 to 2004	0.6495	1.020444444	0.087333333	0.108111111	2.676166667	2.900333333	4.5	6.555555556
WV1002791	005	2004 to 2005	1.395944444	2.034111111	0.159944444	0.204555556	2.338055556	2.797	9.103222222	10.57144444
WV1002791	007	2003 to 2004	0.121944444	0.135	0.318722222	0.347111111	0.080944444	0.092555556	12.127	14.127
WV1002791	007	2004 to 2005	0.0713	0.0414	0.2748	0.2808	0.1285	0.1338	7.3572	7.0286
WV1002856	006	2003 to 2004	0.2775	0.2775	0.3309	0.3309	1.193625	1.193625	5.25	5.25
WV1002856	006	2004 to 2005	0.170333333	0.152333333	0.315666667	0.315666667	0.833333333	0.833333333	6.333333333	6.333333333
WV1002856	007	2003 to 2004	0.160525	0.160525	0.3038	0.3038	0.407775	0.407775	5.5	5.5
WV1002856	007	2004 to 2005	0.16425	0.15075	0.21	0.21	0.30375	0.30375	3.5	2.75
WV1002856	008	2003 to 2004	0.1608	0.1608	0.1902	0.1902	0.228075	0.228075	3.5	3.5
WV1002856	008	2004 to 2005	0.135333333	0.117333333	0.366666667	0.366666667	0.327	0.327	4	3.5
WV1002856	009	2003 to 2004	0.900666667	0.900666667	0.480333333	0.480333333	1.992	1.992	47	47
WV1002856	009	2004 to 2005	1.6688	1.6688	0.6302	0.6302	1.7788	1.7788	15.6	15.6
WV1002856	010	2003 to 2004	0.755	0.755	0.556666667	0.556666667	1.960666667	1.960666667	46.66666667	46.66666667
WV1002856	010	2004 to 2005	1.88675	1.88675	0.585	0.585	1.59475	1.59475	14.5	13.75
WV1002856	012	2003 to 2004	0.1586	0.1586	0.8806	0.8806	0.5198	0.5198	8.6	8.6
WV1002856	012	2004 to 2005	0.1948	0.1948	0.449	0.449	0.4058	0.4058	5.4	5.1
WV1002856	013	2003 to 2004	2.5472	2.5472	0.2594	0.2594	1.4238	1.4238	35.4	35.4
WV1002856	013	2004 to 2005	1.999083333	2.0245	0.203083333	0.290666667	4.366083333	5.370333333	21.58333333	27.66666667
WV1002856	014	2003 to 2004	0.3092	0.3092	1.3098	1.3098	1.5554	1.5554	16	16
WV1002856	014	2004 to 2005	0.0315	0.0315	0.8955	0.8955	1.2875	1.2875	6.5	6.5
WV1002856	015	2003 to 2004	0.14575	0.14575	0.888925	0.888925	5.52355	5.52355		
WV1002856	015	2004 to 2005	0.10675	0.09325	0.77375	0.77025	3.80925	3.80925	4	4
WV1003038	001	2003 to 2004	0.121583333	0.190583333	0.778866667	1.0348	0.630245833	0.792516667	5.458333333	8
WV1003038	001	2004 to 2005	0.160722222	0.194444444	0.694111111	0.723111111	0.944944444	1.017444444	4.682555556	5.119055556
WV1003038	002	2003 to 2004	0.117458333	0.149416667	0.177216667	0.232591667	0.53205	0.6958	7.321666667	10.72666667
WV1003038	002	2004 to 2005	0.240666667	0.289833333	0.406083333	0.438166667	1.4295	1.597833333	5.75	7.083333333
WV1003038	003	2003 to 2004	0.1094625	0.168091667	0.415416667	0.585833333	0.988833333	1.262933333	5.625	7.916666667
WV1003038	003	2004 to 2005	0.217888889	0.252555556	0.409222222	0.439555556	0.867055556	0.983222222	4.849222222	5.174611111
WV1003348	005	2003 to 2004	0.09775	0.09775	0.696958333	0.7055	0.523791667	0.528833333	6.291666667	6.333333333
WV1003348	005	2004 to 2005	0.184166667	0.184166667	1.6625	1.6625	0.700833333	0.700833333	6.595	6.595
WV1003364	001	2003 to 2004	1.15	0.92	1.35	1.14	0.375	0.255	28	35.5
WV1003364	001	2004 to 2005	0.714285714	0.714285714	0.954285714	0.954285714	1.171428571	1.171428571	10.64285714	10.64285714
WV1003429	002	2003 to 2004	0.4	0.525555556	0.55	0.692222222	0.111111111	0.162222222	3.777777778	5.666666667
WV1003429	002	2004 to 2005	0.355	0.44	0.95	1.265	0.125	0.1475	10	12.25
WV1003429	003	2003 to 2004	0.478888889	0.624444444	0.594444444	0.75	0.096666667	0.121111111	5.555555556	7.222222222

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1003429	003	2004 to 2005	0.4675	0.485	1.26	1.335	0.1625	0.19	6.25	7.5
WV1003470	004	2003 to 2004	0.1084	0.1338	0.6328	0.7771	0.5631	0.6592	4.15	6.1
WV1003470	004	2004 to 2005	0.090166667	0.117833333	0.460416667	0.67425	0.305	0.454333333	3.583333333	5.833333333
WV1003500	001	2003 to 2004	0.131175	0.131175	4.0433	4.0433	8.972825	8.972825	17.375	17.375
WV1003500	001	2004 to 2005	0.317	0.317	1.002333333	1.002333333	2.714166667	2.714166667	5.047166667	5.047166667
WV1003500	002	2003 to 2004	0.52455	0.52455	0.2894	0.2894	13.35383333	13.35383333	14.25	14.25
WV1003500	002	2004 to 2005	1.480166667	1.480166667	0.524166667	0.524166667	12.14966667	12.14966667	6.333333333	6.333333333
WV1003500	003	2003 to 2004	2.942833333	2.942833333	0.1975	0.1975	3.2545	3.2545	5.5	5.5
WV1003500	003	2004 to 2005	2.3215	2.3215	0.32475	0.32475	2.6945	2.6945	3.78575	3.78575
WV1003500	004	2003 to 2004	0.01	0.01	0.14	0.14	0.19	0.19		
WV1003500	004	2004 to 2005								
WV1003623	001	2003 to 2004	0.2225	0.281	0.095625	0.1075	1.019625	1.05875	2.25	2.75
WV1003623	001	2004 to 2005	1.041428571	1.347142857	0.17	0.195714286	1.001428571	1.125714286	8.365714286	11.36571429
WV1003674	001	2003 to 2004			0	0	0	0	0	0
WV1003674	001	2004 to 2005	0.327	0.273333333	0.959	0.561666667	0.348	0.561666667	10.85	14.75
WV1003674	002	2003 to 2004			0	0	0	0	0	0
WV1003674	002	2004 to 2005	0.269666667	0.20725	2.043636364	3.396666667	0.325	0.565833333	47.13636364	67.58333333
WV1003674	003	2003 to 2004			0	0	0	0	0	0
WV1003674	003	2004 to 2005	0.394	0.633	0.41	0.53	0.075	0.08	15	19
WV1003674	004	2003 to 2004			0	0	0	0	0	0
WV1003674	004	2004 to 2005	0.2685	0.26325	0.26	0.3715	0.154375	0.2025	12.3125	15.95
WV1003682	001	2003 to 2004	0.427272727	0.454545455	0.398636364	0.533636364	0.619545455	0.79	13.22727273	19.45454545
WV1003682	001	2004 to 2005	0.408333333	0.416666667	0.380416667	0.524166667	0.474583333	0.610833333	7.916666667	12.83333333
WV1003682	002	2003 to 2004	0.418181818	0.436363636	0.154545455	0.197272727	1.571772727	2.347272727	6.090909091	8.181818182
WV1003682	002	2004 to 2005	1.27	1.981818182	0.376	0.634545455	1.173	1.535454545	17.25	23.45454545
WV1003682	004	2003 to 2004								
WV1003682	004	2004 to 2005	0.4	0.4	0.25	0.24	0.48	0.48	1.5	1.5
WV1003682	014	2003 to 2004								
WV1003682	014	2004 to 2005	0.4	0.4	0.165	0.19	0.265	0.29	4	5
WV1003682	015	2003 to 2004								
WV1003682	015	2004 to 2005	0.4	0.4	0.175	0.185	0.28	0.285	1	1
WV1003682	018	2003 to 2004								
WV1003682	018	2004 to 2005	0.4	0.4	0.23	0.185	1.83	3.725	4	4
WV1003682	019	2003 to 2004								
WV1003682	019	2004 to 2005		0.4		0.685		1.59		1

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1003682	021	2003 to 2004								
WV1003682	021	2004 to 2005	0.4	0.4	0.415	0.495	1.14	1.58	14	14
WV1003682	062	2003 to 2004								
WV1003682	062	2004 to 2005		0.4		0.28		0.475		2.5
WV1003682	070	2003 to 2004								
WV1003682	070	2004 to 2005	0.4	0.4	0.29	0.32	2.9	3.525	2.5	2
WV1003682	075	2003 to 2004	0.575	0.575	1.0175	0.94125	1.25875	1.2925	33.5	37
WV1003682	075	2004 to 2005	0.4	0.4	0.3575	0.39	0.9775	1.263333333	4.5	6
WV1003682	076	2003 to 2004	0.4	0.4	0.235	0.398333333	0.3175	0.61	7.875	21.16666667
WV1003682	076	2004 to 2005		0.85		0.795		0.24		20.5
WV1003682	080	2003 to 2004	0.355	0.4	0.4275	0.501111111	2.361875	2.935555556	6.875	9.444444444
WV1003682	080	2004 to 2005	1.12	1.709090909	0.303	0.373636364	1.078	1.379090909	11.35	17.27272727
WV1003712	002	2003 to 2004								
WV1003712	002	2004 to 2005	0.40625	0.4125	0.216875	0.31	0.06625	0.09875	6.3125	10.5
WV1003712	003	2003 to 2004	0.4	0.4	0.133571429	0.185454545	0.058571429	0.066363636	4.428571429	5.818181818
WV1003712	003	2004 to 2005	0.4	0.4	0.175416667	0.218333333	0.062916667	0.074166667	3.833333333	5.583333333
WV1003712	005	2003 to 2004		1.4		0.33		1.35		2
WV1003712	005	2004 to 2005								
WV1003712	008	2003 to 2004		0.466666667		0.793333333		0.82		11.33333333
WV1003712	008	2004 to 2005								
WV1003712	009	2003 to 2004	0.4	0.4	0.47	1.594	0.2875	0.756	6.25	8.6
WV1003712	009	2004 to 2005	0.4	0.4	0.21	0.255	0.1325	0.15	3.25	4
WV1003712	010	2003 to 2004	0.43	0.45	2.555	4.176666667	1.202	1.781666667	33.125	40.66666667
WV1003712	010	2004 to 2005	0.433333333	0.466666667	1.892222222	2.424444444	1.334444444	1.546666667	12.11111111	16.11111111
WV1003712	011	2003 to 2004	0.4	0.4	1.06	1.88	1.185	2.04	28.5	51
WV1003712	011	2004 to 2005								
WV1003712	012	2003 to 2004								
WV1003712	012	2004 to 2005		0.4		1.605		0.835		15.5
WV1003712	013	2003 to 2004	0.7	0.8	0.115	0.323333333	0.56	0.576666667	4	12
WV1003712	013	2004 to 2005	1.1	0.783333333	0.185	0.248333333	1.25	0.873333333	1.5	10
WV1003712	015	2003 to 2004		0.4		0.46		0.3		8
WV1003712	015	2004 to 2005	0.4	0.4	0.3	0.4	0.04	0.05	5	6
WV1003712	016	2003 to 2004	0.4	0.4	0.335	0.78	0.17	0.18	7	18.5
WV1003712	016	2004 to 2005		0.4		0.05		0.02		5
WV1003712	019	2003 to 2004		0.4		0.14		0.02		5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1003712	019	2004 to 2005								
WV1003712	024	2003 to 2004	0.4	0.4	0.328333333	0.406666667	0.245	0.283333333	6.166666667	10.33333333
WV1003712	024	2004 to 2005	0.4	0.4	0.3875	0.423333333	0.1925	0.19	2.25	2.666666667
WV1003712	025	2003 to 2004		0.7		1.08		0.2		77
WV1003712	025	2004 to 2005	0.4	0.4	0.612857143	0.695	0.507857143	0.59	2.5	3.125
WV1003712	033	2003 to 2004	0.75	0.7	1.81	1.953333333	0.2775	0.253333333	14.25	20.66666667
WV1003712	033	2004 to 2005	0.4	0.4	0.525625	0.6925	0.268125	0.355	8.1875	11.5
WV1003712	036	2003 to 2004								
WV1003712	036	2004 to 2005	0.4	0.4	0.26	0.275	0.785	0.84	1.25	1.5
WV1003712	037	2003 to 2004	0.4	0.7	2.13	1.64	0.755	0.692	27	25.6
WV1003712	037	2004 to 2005	0.4	0.4	2.021666667	1.985714286	0.756666667	0.878571429	7	6.428571429
WV1003712	038	2003 to 2004	0.4	0.4	0.2075	0.208333333	0.08	0.065	5.875	7.833333333
WV1003712	038	2004 to 2005	0.4	0.330857143	0.291666667	0.27	0.116666667	0.124285714	10.33333333	9.857142857
WV1003763	002	2003 to 2004	0.328333333	0.498333333	0.235	0.295	0.0675	0.085833333	6.5	7.5
WV1003763	002	2004 to 2005	0.294166667	0.403333333	0.316666667	0.3925	0.1075	0.134166667	8	9.666666667
WV1003810	011	2003 to 2004	0.240833333	0.3175	0.309166667	0.456666667	0.041666667	0.0575	6.86	9.445
WV1003810	011	2004 to 2005	0.093333333	0.1425	0.141666667	0.209166667	0.019166667	0.03	5.221666667	7.25
WV1003844	001	2003 to 2004	0.86875	1.2925	0	0	0	0	0	0
WV1003844	001	2004 to 2005	0.586	0.840285714	0.36875	0.50125	0.328125	0.454375	8.113636364	12
WV1003844	501	2003 to 2004								
WV1003844	501	2004 to 2005		0.586		0.15		0.22		7
WV1003844	502	2003 to 2004								
WV1003844	502	2004 to 2005		0.62		0.3		0.32		6
WV1003887	001	2003 to 2004	0.3525	0.487	0.2215	0.274	0.04125	0.049	32.725	59.275
WV1003887	001	2004 to 2005	0.214375	0.255	0.24875	0.285	0.009375	0.01125	9.6875	10.25
WV1003887	002	2003 to 2004	0.303541667	0.4375	0.549166667	0.7175	0.065625	0.083333333	41.52604167	69.98958333
WV1003887	002	2004 to 2005	0.139	0.1815	0.3595	0.476	0.04625	0.0625	11.25	20.85
WV1003887	004	2003 to 2004	0.779166667	1.165	0.087291667	0.1175	0.084583333	0.123333333	4.734375	6.5625
WV1003887	004	2004 to 2005	0.148541667	0.190416667	0.055625	0.094166667	0.06125	0.094583333	1.6875	2.541666667
WV1003887	006	2003 to 2004	0.2825	0.28175	0.560833333	0.560083333	0.0275	0.02675	61.5625	61.16675
WV1003887	006	2004 to 2005	0.175	0.2125	0.26625	0.3425	0.029375	0.03125	8.75	13.375125
WV1003887	009	2003 to 2004	0.6575	0.65525	1.2375	1.23525	0.0225	0.02025	160.1875	159.00025
WV1003887	009	2004 to 2005								
WV1003887	012	2003 to 2004	0.125833333	0.21875	0.088958333	0.129583333	0.081666667	0.130416667	4.265625	6.40625
WV1003887	012	2004 to 2005	0.064166667	0.092083333	0.059166667	0.079583333	0.101458333	0.15	0.958333333	1.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1003887	018	2003 to 2004								
WV1003887	018	2004 to 2005	0	0	0.05	0.05	0.01	0.01	5	5
WV1003895	001	2003 to 2004	0.4	0.4	0.322	0.412	0.069	0.079	6.1	8.9
WV1003895	001	2004 to 2005								
WV1003968	001	2003 to 2004	1.327083333	2.149583333	0.053541667	0.099583333	16.91416667	22.78083333	4.411458333	6.84375
WV1003968	001	2004 to 2005	0.615208333	0.985	0.015208333	0.019166667	13.06	15.81083333	3.833333333	6.166666667
WV1003968	002	2003 to 2004	0.23375	0.375	0.014791667	0.025416667	13.48416667	18.22916667	4.416666667	5.770833333
WV1003968	002	2004 to 2005	0.140208333	0.175416667	0.012708333	0.019583333	9.703333333	11.4475	3.708333333	5.25
WV1003968	003	2003 to 2004	0.73125	1.3825	0.022083333	0.035	24.07291667	34.75583333	4.677083333	7.03125
WV1003968	003	2004 to 2005	1.208541667	2.177916667	0.047375	0.085	20.43875	29.25	3.916666667	5
WV1003968	004	2003 to 2004	1.099791667	2.013333333	0.043125	0.057916667	14.99791667	19.78166667	5.260416667	8.416666667
WV1003968	004	2004 to 2005	1.394375	2.354166667	0.05875	0.075	16.39166667	22.6325	9.708333333	16.58333333
WV1003968	017	2003 to 2004	3.180833333	5.767083333	0.313125	0.603333333	10.98291667	16.09666667	6.916666667	9.84375
WV1003968	017	2004 to 2005	1.255416667	1.853333333	0.076041667	0.116666667	6.665833333	8.87	7.4375	10.41666667
WV1003984	001	2003 to 2004	0.301666667	0.380833333	0	0	0	0	0	0
WV1003984	001	2004 to 2005	0.438333333	0.575833333	0	0	0	0	0	0
WV1004000	001	2003 to 2004	0.4	0.4	0.84	1.064285714	0.194	0.225714286	15.8	23.42857143
WV1004000	001	2004 to 2005	0.185285714	0.222	0.346428571	0.364285714	0.200714286	0.215714286	9	11.28571429
WV1004051	011	2003 to 2004	0.285	0.280833333	0	0	0	0	0	0
WV1004051	011	2004 to 2005	0.243333333	0.253333333	0	0	0	0	0	0
WV1004069	010	2003 to 2004								
WV1004069	010	2004 to 2005			0	0	0	0	0	0
WV1004093	001	2003 to 2004								
WV1004093	001	2004 to 2005		0.142		0.11		0.02		6
WV1004093	003	2003 to 2004	0.5	0.6	0.57	1.08	0.14	0.17	16	29
WV1004093	003	2004 to 2005	0.077	0.1415	0.085	0.1	0.02	0.02	3	3
WV1004131	001	2003 to 2004								
WV1004131	001	2004 to 2005	1.678333333	2.115	0.905	1.761666667	0.555	0.738333333	34.33333333	76.66666667
WV1004131	DPF-V	2003 to 2004								
WV1004131	DPF-V	2004 to 2005	0.1425	0.2125	0.13	0.1625	0.0225	0.02625	4	4
WV1004140	001	2003 to 2004			0.053666666	0.098	0.161	0.258	6.025	6.75
WV1004140	001	2004 to 2005			0.0465	0.06	0.036	0.045	5.35	6.1
WV1004140	002	2003 to 2004								
WV1004140	002	2004 to 2005	0.3175	0.63	0.505	0.82	0.065	0.09	48	95
WV1004140	003	2003 to 2004	0.246666667	0.256666667	0.275	0.293333333	0.043333333	0.058333333	28.66666667	40

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1004140	003	2004 to 2005	0.22375	0.26375	0.3075	0.37875	0.015625	0.02125	30.625	50.125
WV1004140	004	2003 to 2004	0.091944444	0.142777778	0.335555556	0.455555556	0.084722222	0.118333333	4.097222222	4.930555556
WV1004140	004	2004 to 2005	0.075555556	0.090055556	0.210277778	0.3045	0.025833333	0.031166667	7.611111111	12.16672222
WV1004140	007	2003 to 2004								
WV1004140	007	2004 to 2005	0.05	0.05	0.09	0.09	0.01	0.01	0	0
WV1004140	008	2003 to 2004	0.046666667	0.06	0.122222222	0.182777778	0.1175	0.212222222	2.152777778	2.444444444
WV1004140	008	2004 to 2005	0.04	0.05125	0.7128125	1.26125	0.5065625	0.68125	1.28125	1.75
WV1004140	009	2003 to 2004								
WV1004140	009	2004 to 2005	0.021666667	0.025	0.118333333	0.12	0.018333333	0.02	2.5	2.5
WV1004140	014	2003 to 2004	2.28	2.28	3.8	3.8	0.23	0.23	622	622
WV1004140	014	2004 to 2005								
WV1004140	017	2003 to 2004	0.018541667	0.02625	0.0775	0.1125	0.00875	0.01375	2.25	2.583333333
WV1004140	017	2004 to 2005	0.0175	0.025	0.102291667	0.13375	0.023333333	0.029166667	4.708333333	5.291666667
WV1004140	020	2003 to 2004	0.029166667	0.041666667	0.381875	0.524166667	0.066458333	0.094166667	2.505208333	3.135416667
WV1004140	020	2004 to 2005	0.01025	0.0145	0.3235	0.392	0.0535	0.065	1.225	1.5
WV1004140	021	2003 to 2004	0.089285714	0.090714286	0.308214286	0.333571429	0.036785714	0.040714286	6.928571429	7.303571429
WV1004140	021	2004 to 2005	0.422272727	0.476363636	0.144090909	0.205909091	0.021818182	0.028181818	8.954545455	12.13636364
WV1004182	001	2003 to 2004	0.320541667	0.3435	0.33875	0.5275	0.164166667	0.208333333	13.33333333	22.58333333
WV1004182	001	2004 to 2005	0.183545455	0.217	0.267727273	0.310833333	0.095909091	0.130833333	4.272727273	6
WV1004182	002	2003 to 2004	0.339583333	0.3585	0.211166667	0.323333333	0.064166667	0.094166667	8.541666667	13.91666667
WV1004182	002	2004 to 2005	0.170291667	0.245	0.167916667	0.224166667	0.068333333	0.0925	3.416666667	4.833333333
WV1004182	003	2003 to 2004	0.3446	0.368272727	0.194	0.251818182	0.0595	0.098181818	5.85	7.818181818
WV1004182	003	2004 to 2005	0.110458333	0.154333333	0.134583333	0.179166667	0.260416667	0.32	2.875	3.833333333
WV1004182	006	2003 to 2004								
WV1004182	006	2004 to 2005	0.4	0.4	0.115	0.14	0.025	0.03	5	8
WV1004182	007	2003 to 2004	0.311916667	0.314416667	0.12875	0.185833333	0.033333333	0.041666667	6.166666667	9.416666667
WV1004182	007	2004 to 2005	0.091125	0.124083333	0.082916667	0.095833333	0.032916667	0.038333333	2.666666667	3.333333333
WV1004182	008	2003 to 2004	0.563333333	0.613333333	0.655	0.866666667	0.138333333	0.16	41.33333333	49.66666667
WV1004182	008	2004 to 2005	0.039	0.195	0.375	1.325	1	0.5775	6.25	21.75
WV1004182	010	2003 to 2004		0.4		1.69		0.17		24
WV1004182	010	2004 to 2005								
WV1004182	011	2003 to 2004		0.4		0.58		0.06		26
WV1004182	011	2004 to 2005								
WV1004182	012	2003 to 2004	0.4	0.4	0.265	0.765	0.225	0.505	7.5	21
WV1004182	012	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1004182	013	2003 to 2004	0.4	0.4	0.265	1.105	0.25	0.31	8.5	12
WV1004182	013	2004 to 2005								
WV1004182	014	2003 to 2004	0.4	0.4	0.35	0.59	0.24	0.185	3	23
WV1004182	014	2004 to 2005								
WV1004182	015	2003 to 2004	0.4	0.4	0.35	0.6	0.23	0.16	3	6.5
WV1004182	015	2004 to 2005	0.192	0.2295	2.15	2.86	0.15	0.15	7.5	12
WV1004182	016	2003 to 2004	0.4	0.4	0.275	1.07	0.21	0.18	14	15.5
WV1004182	016	2004 to 2005								
WV1004182	017	2003 to 2004	0.4	0.4	0.285	0.49	0.205	0.145	9	12.5
WV1004182	017	2004 to 2005								
WV1004182	018	2003 to 2004	0.4	0.4	0.645	1.105	0.235	0.265	10.5	9.5
WV1004182	018	2004 to 2005								
WV1004182	019	2003 to 2004	0.4	0.4	0.65	0.72	0.25	0.18	16	14.5
WV1004182	019	2004 to 2005								
WV1004182	021	2003 to 2004	0.4	0.4	1.895	1.395	1.875	0.965	11	6.5
WV1004182	021	2004 to 2005								
WV1004182	022	2003 to 2004		0.4		1.385		1.07		7.5
WV1004182	022	2004 to 2005								
WV1004182	023	2003 to 2004		0.4		1.33		0.985		15
WV1004182	023	2004 to 2005								
WV1004182	024	2003 to 2004		0.4		1.28		0.885		6
WV1004182	024	2004 to 2005								
WV1004182	025	2003 to 2004		0.4		1.365		1		14.5
WV1004182	025	2004 to 2005								
WV1004182	026	2003 to 2004		0.4		1.405		1.325		3
WV1004182	026	2004 to 2005								
WV1004182	027	2003 to 2004	0.2252	0.30175	0.601	0.96625	0.568	0.92	4.5	8.625
WV1004182	027	2004 to 2005	0.117909091	0.170916667	0.918636364	1.028333333	0.877727273	1.0275	3.272727273	4.333333333
WV1004182	028	2003 to 2004	0.4	0.2982	1.035	0.902	1.021666667	0.982	9	8.4
WV1004182	028	2004 to 2005								
WV1004182	030	2003 to 2004	0.044666667	0.052666667	0.05	0.05	0.02	0.02	3	3.333333333
WV1004182	030	2004 to 2005	0.084583333	0.106916667	0.129583333	0.189166667	0.082916667	0.109166667	4.916666667	8.166666667
WV1004182	031	2003 to 2004	0.281888889	0.314666667	0.415555556	0.585833333	0.318333333	0.355	3	3.75
WV1004182	031	2004 to 2005	0.087909091	0.10825	0.353181818	0.385	0.202727273	0.21	2.681818182	3.666666667
WV1004182	032	2003 to 2004	0.2755	0.26125	0.215714286	0.3075	0.139285714	0.16	3.857142857	4.375



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1004182	032	2004 to 2005	0.05	0.1125	0.198333333	0.2875	0.206666667	0.215	5.666666667	8.5
WV1004182	033	2003 to 2004	0.4	0.306857143	0.3475	0.504285714	0.3225	0.297142857	5	13.42857143
WV1004182	033	2004 to 2005								
WV1004182	034	2003 to 2004	0.335666667	0.39625	0.541666667	0.56	0.195	0.2475	16.16666667	21
WV1004182	034	2004 to 2005	0.0805	0.0846	0.11875	0.126	0.1175	0.148	3.25	3.8
WV1004182	035	2003 to 2004		0.4		0.995		0.3		17.5
WV1004182	035	2004 to 2005								
WV1004182	036	2003 to 2004	0.491	0.409	1.3175	1.011666667	0.3725	0.205	19.75	15.33333333
WV1004182	036	2004 to 2005		0.183		0.39		0.13		7
WV1004182	037	2003 to 2004	0.1455	0.317714286	0.12625	0.6	0.19625	0.244285714	11.5	12.42857143
WV1004182	037	2004 to 2005	0.076277778	0.105888889	0.159444444	0.215555556	0.341666667	0.437777778	5.666666667	8.222222222
WV1004182	038	2003 to 2004		0.6		1.71		0.53		16
WV1004182	038	2004 to 2005								
WV1004182	040	2003 to 2004	0.1887	0.1988	0.483	0.58	0.474	0.534	7.3	9.2
WV1004182	040	2004 to 2005	0.11895	0.147727273	0.184	0.238181818	0.566	0.763636364	7.3	10.63636364
WV1004182	041	2003 to 2004	0.4	0.4	0.92	0.753333333	0.4675	0.396666667	6.25	10
WV1004182	041	2004 to 2005								
WV1004182	042	2003 to 2004	0.4	0.4	0.995	0.79	0.5275	0.466666667	6.5	9.666666667
WV1004182	042	2004 to 2005								
WV1004182	043	2003 to 2004	0.2258	0.339125	0.458	0.68	0.205	0.29375	7.3	10.5
WV1004182	043	2004 to 2005	0.10915	0.15925	0.1165	0.2	0.086	0.14	3.9	5.25
WV1004182	045	2003 to 2004	0.315333333	0.354	0.895	0.8375	0.435	0.47	5.5	6.5
WV1004182	045	2004 to 2005		0.148		0.24		0.02		4
WV1004182	047	2003 to 2004	0.226	0.3175	0.1075	0.1925	0.125	0.8025	7	6.25
WV1004182	047	2004 to 2005	0.1045	0.134	0.171666667	0.223333333	0.981666667	1.125	2.833333333	4
WV1004182	048	2003 to 2004	0.159375	0.265166667	0.15625	0.19	0.2125	0.611666667	4.75	8
WV1004182	048	2004 to 2005	0.1715	0.22575	0.183333333	0.265	0.733333333	0.8475	5.166666667	7.75
WV1004182	049	2003 to 2004	0.229	0.2495	0.12	0.236666667	0.14	0.488333333	13.5	9.166666667
WV1004182	049	2004 to 2005	0.0883125	0.128125	0.090625	0.10875	0.0825	0.11	4.8125	6.75
WV1004182	052	2003 to 2004	0.4	0.4	0.185	0.333333333	0.085	0.09	4.5	6.333333333
WV1004182	052	2004 to 2005								
WV1004182	053	2003 to 2004	0.203875	0.323	0.19375	0.33	0.06375	0.082857143	8.5	10.57142857
WV1004182	053	2004 to 2005	0.1266	0.165454545	0.2405	0.326363636	0.052	0.062727273	8.8	12.18181818
WV1004182	055	2003 to 2004	0.4	0.4	0.425	0.485	0.07	0.095	3.5	4.5
WV1004182	055	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1004182	056	2003 to 2004	0.4	0.4	0.285	0.515	0.065	0.08	6	4
WV1004182	056	2004 to 2005								
WV1004182	057	2003 to 2004	0.4	0.4	1.415	1.555	0.2	0.17	11.5	6.5
WV1004182	057	2004 to 2005		0.114		0.18		0.02		7
WV1004182	058	2003 to 2004		0.4		0.565		0.085		3.5
WV1004182	058	2004 to 2005								
WV1004182	059	2003 to 2004		0.4		0.55		0.11		1
WV1004182	059	2004 to 2005								
WV1004182	060	2003 to 2004		0.4		0.55		0.18		6.5
WV1004182	060	2004 to 2005								
WV1004182	061	2003 to 2004		0.4		0.49		0.09		3.5
WV1004182	061	2004 to 2005								
WV1004182	078	2003 to 2004		0.2785		0.2325		0.2675		6
WV1004182	078	2004 to 2005		0.312		0.57		0.02		22
WV1004182	079	2003 to 2004								
WV1004182	079	2004 to 2005		0.31		0.18		0.05		3
WV1004182	080	2003 to 2004		0.4		0.185		0.285		5.5
WV1004182	080	2004 to 2005								
WV1004182	082	2003 to 2004	0.375333333	0.45775	0.723333333	1.57125	0.536666667	0.61	11.16666667	15.75
WV1004182	082	2004 to 2005	0.1547	0.205545455	1.3615	1.654545455	1.2415	1.393636364	8.75	12.45454545
WV1004182	083	2003 to 2004		0.4		1.09		0.36		35
WV1004182	083	2004 to 2005		0.101		0.7		0.06		21
WV1004182	084	2003 to 2004	0.4	0.4	0.51	0.495	0.205	0.145	7.5	6.5
WV1004182	084	2004 to 2005		0.137		0.136666667		0.163333333		1.666666667
WV1004182	087	2003 to 2004	0.25275	0.2632	0.7375	0.762	0.28	0.406	15.375	22.4
WV1004182	087	2004 to 2005	0.128	0.157333333	0.706666667	0.893333333	0.493333333	0.738333333	9.751666667	15.66666667
WV1004247	001	2003 to 2004	0.566	0.71	0	0	0	0	0	0
WV1004247	001	2004 to 2005	0.911	1.818	0	0	0	0	18.85	28.2
WV1004247	002	2003 to 2004	0.455	0.563333333	0	0	0	0	0	0
WV1004247	002	2004 to 2005	1.277777778	2.514444444	0	0	0.41	0	10.25	0
WV1004280	015	2003 to 2004	0.12	0.12	0.03	0.03	0.01	0.01	7	7
WV1004280	015	2004 to 2005								
WV1004280	016	2003 to 2004	0.193333333	0.193333333	0.07	0.07	0.01	0.01	12	12
WV1004280	016	2004 to 2005	0.33375	0.40375	0.1125	0.12125	0.0175	0.0175	10.75	12.25
WV1004328	001	2003 to 2004	0.072708333	0.100833333	0.27875	0.35	0.236666667	0.3025	4.364583333	6.760416667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1004328	001	2004 to 2005	0.05875	0.08375	0.311666667	0.371666667	0.225833333	0.3275	2.895833333	4.5
WV1004328	002	2003 to 2004	0.30125	0.34125	0.655	0.815	0.0525	0.055625	7.7421875	10.109375
WV1004328	002	2004 to 2005	0.326875	0.3275	0.3875	0.3925	0.029375	0.029375	1.5625	1.5625
WV1004361	001	2003 to 2004	0	0	0	0	0	0	0	0
WV1004361	001	2004 to 2005	0	0	1.5615	3.071	0	0	0	0
WV1004361	002	2003 to 2004	0	0	0	0	0	0	0	0
WV1004361	002	2004 to 2005	0	0	1.19	1.430833333	0	0	0	0
WV1004361	DLF	2003 to 2004	4.088333333	5.620833333	1.468333333	1.885	0.676666667	0.899166667		
WV1004361	DLF	2004 to 2005	1.43	2.005	0.6975	1.108333333	0.196666667	0.3025		
WV1004361	ULF-11	2003 to 2004	0.9275	1.473333333	0.4225	0.6625	0.115833333	0.130833333		
WV1004361	ULF-11	2004 to 2005	0.706363636	0.924545455	0.378181818	0.586363636	0.092727273	0.130909091		
WV1004387	005	2003 to 2004	0.333333333	0.410833333	0.287083333	0.336666667	3.354583333	4.313333333	4.515625	6.208333333
WV1004387	005	2004 to 2005	0.142291667	0.1825	2.176666667	2.9325	1.255833333	1.636666667	4.520833333	6.458333333
WV1004387	010	2003 to 2004	0.132916667	0.166666667	0.379791667	0.466666667	0.325833333	0.422083333	3.369791667	5.041666667
WV1004387	010	2004 to 2005	0.068402778	0.088333333	0.665902775	0.8625	0.382986108	0.484166667	2.208333333	3.166666667
WV1004387	017	2003 to 2004	0.082083333	0.108333333	0.247083333	0.280833333	1.08375	1.255	3.348958333	4.322916667
WV1004387	017	2004 to 2005	0.038166667	0.051	0.460333333	0.688	0.307333333	0.366	1.4	2.05
WV1004387	070	2003 to 2004								
WV1004387	070	2004 to 2005	0	0	0.06	0.06	0.07	0.07	0	0
WV1004492	001	2003 to 2004	0.125	0.155	0.2225	0.265833333	0.056666667	0.075	3.791666667	4.25
WV1004492	001	2004 to 2005	0.059166667	0.0825	0.204166667	0.280833333	0.1025	0.123333333	5.39	7.695
WV1004492	003	2003 to 2004	0.09	0.09	0.55	0.55	0.04	0.04	11.67	11.67
WV1004492	003	2004 to 2005								
WV1004531	004	2003 to 2004	0.4	0.4	0.4465	0.556	0.1595	0.19	3.75	5.8
WV1004531	004	2004 to 2005	0.311791667	0.369416667	0.534583333	0.791666667	0.093333333	0.119166667	12.41666667	19.5
WV1004531	005	2003 to 2004	0.4	0.4	1.79	2.34	0.33	0.55	49	88
WV1004531	005	2004 to 2005								
WV1004531	007	2003 to 2004		0.4		0.26		0.05		2
WV1004531	007	2004 to 2005	0.195666667	0.240333333	0.31	0.356666667	0.045	0.053333333	10.33333333	16.66666667
WV1004531	008	2003 to 2004	0.4	0.4	2.255	3.52	0.31	0.53	9	19
WV1004531	008	2004 to 2005								
WV1004531	010	2003 to 2004	0.4	0.4	0.585	0.73	0.095	0.13	3.5	4
WV1004531	010	2004 to 2005	0.052	0.075	0.205	0.29	0.05	0.06	5.5	6
WV1004531	012	2003 to 2004								
WV1004531	012	2004 to 2005		0.253		0.37		0.03		52

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1004531	013	2003 to 2004	0.4	0.4	0.58	0.72	0.115	0.12	5.5	6
WV1004531	013	2004 to 2005		0.113		0.21		0.02		2
WV1004531	015	2003 to 2004	0.4	0.4	0.59	0.71	0.11	0.15	3.5	5
WV1004531	015	2004 to 2005		0.118		0.18		0.02		2
WV1004531	016	2003 to 2004	0.4	0.4	0.605	0.78	0.12	0.18	1	1
WV1004531	016	2004 to 2005		0.27		0.21		0.18		20
WV1004531	017	2003 to 2004	0.4	0.4	2.49	3.354	0.335	0.492	22.5	15.4
WV1004531	017	2004 to 2005	0.092	0.158	1.49	1.49	0.53	0.62	6	6
WV1004573	002	2003 to 2004	0.33	0.433636364	0	0	0	0	0	0
WV1004573	002	2004 to 2005	0.26	0.4	0	0	0	0	0	0
WV1004590	002	2003 to 2004			0.035	0.04	0.01	0.01	3	3.5
WV1004590	002	2004 to 2005	0.39	0.676666667	0.1775	0.195	0.02	0.02	8.25	9.5
WV1004590	003	2003 to 2004			0.03	0.03	0.01	0.01	7	7
WV1004590	003	2004 to 2005	2.13	2.93	0.273333333	0.276666667	0.01	0.01	13	13.66666667
WV1004611	002	2003 to 2004	0.45	0.633333333	0.796666667	1.099	0.165833333	0.161	20.25	32
WV1004611	002	2004 to 2005	0.455	0.475	0.568	0.6725	0.104	0.141666667	18.65	22.16666667
WV1004671	001	2003 to 2004	0.45	0.428571429	0.3875	0.291428571	0.03	0.052857143	5.75	6
WV1004671	001	2004 to 2005								
WV1004671	002	2003 to 2004	0.43	0.454545455	0.287	0.417272727	0.045	0.049090909	8.05	15.09090909
WV1004671	002	2004 to 2005	0.4	0.4	0.1925	0.28	0.028125	0.03	10.625	16.33333333
WV1004671	005	2003 to 2004	0.429166667	0.458333333	0.55875	0.6325	0.124166667	0.151666667	4.791666667	7.833333333
WV1004671	005	2004 to 2005	0.4	0.4	0.5925	0.751666667	0.16625	0.183333333	2.458333333	3.416666667
WV1004671	006	2003 to 2004	0.4	0.4	0.06	0.088	0.02	0.02	1.5	2.2
WV1004671	006	2004 to 2005								
WV1004671	007	2003 to 2004	0.408333333	0.416666667	0.158333333	0.21	0.02875	0.035	5.208333333	7.916666667
WV1004671	007	2004 to 2005	0.4	0.4	0.44625	0.739166667	0.0375	0.053333333	14	20.58333333
WV1004727	011	2003 to 2004	1.067142857	1.294285714	0	0	3.272142857	3.981428571	0	0
WV1004727	011	2004 to 2005	0.746363636	1.052727273	0	0	2.474545455	2.659090909	0	0
WV1004751	001	2003 to 2004	0.40625	0.411111111	0.222222222	0.268	0.055555556	0.082	4.722222222	6.9
WV1004751	001	2004 to 2005	0.4	0.4	0.13875	0.175833333	0.034583333	0.046666667	6.083333333	8.833333333
WV1004751	004	2003 to 2004	0.427272727	0.454545455	0.334166667	0.359083333	0.048333333	0.070833333	9.25	13.08333333
WV1004751	004	2004 to 2005	0.425	0.44	0.37125	0.465	0.03375	0.039	28.8125	40.9
WV1004751	006	2003 to 2004	0.418181818	0.436363636	0.286666667	0.38	0.033333333	0.044166667	9.208333333	13.58333333
WV1004751	006	2004 to 2005	0.4	0.4	0.212272727	0.293636364	0.025909091	0.031818182	13.09090909	18.90909091
WV1004760	003	2003 to 2004	0	0.14	0	0	0	0	0	0

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1004760	003	2004 to 2005								
WV1004760	006	2003 to 2004	0.07	0.14	0	0	0	0	0	0
WV1004760	006	2004 to 2005								
WV1004760	028	2003 to 2004								
WV1004760	028	2004 to 2005	0.03	0.05	0	0	0	0	410	820
WV1004760	029	2003 to 2004	0.55	1.09	0	0	0	0	0	0
WV1004760	029	2004 to 2005	3.15	6.255	0	0	0	0	21.5	0
WV1004905	001	2003 to 2004	0.4	0.4	0.13	0.204	0.02	0.021111111	3	9
WV1004905	001	2004 to 2005	0.4	0.4	0.13	0.242727273	0.02	0.024545455	3	5.560909091
WV1004948	002	2003 to 2004	0.18	0.265	0	0	0	0	0	0
WV1004948	002	2004 to 2005	1.77	3.535	0	0	2.2075	4.415	54.5	109
WV1004948	005	2003 to 2004	0.71	1.073333333	0	0	0	0	0	0
WV1004948	005	2004 to 2005	0.369	0.465	0	0	0	0	16.05	29.9
WV1004948	006	2003 to 2004	2.925	5.8	0	0	0	0	0	0
WV1004948	006	2004 to 2005	0.421428571	0.665714286	0	0	0	0	0	0
WV1004948	DBF	2003 to 2004	0.16	0.21	0.12	0.162857143	0.06	0.084285714		
WV1004948	DBF	2004 to 2005	0.675833333	1.045	0.769166667	1.4675	0.298333333	0.561666667		
WV1004948	DRFBF	2003 to 2004	0.15	0.197142857	0.147142857	0.225714286	0.021428571	0.022857143		
WV1004948	DRFBF	2004 to 2005	0.4375	0.554166667	0.186666667	0.288333333	0.176666667	0.331666667		
WV1004948	UBBBF	2003 to 2004	0.223333333	0.246666667	0.073333333	0.093333333	0.02	0.02		
WV1004948	UBBBF	2004 to 2005	0.895454545	0.966363636	0.103636364	0.15	0.601818182	1.025454545		
WV1004948	UBF	2003 to 2004	0.192	0.23	0.276	0.446	0.042	0.06		
WV1004948	UBF	2004 to 2005	0.4675	0.6525	0.141666667	0.2275	0.2775	0.534166667		
WV1004948	URC1	2003 to 2004	0.285	0.45	0.1575	0.24	0.045	0.0675		
WV1004948	URC1	2004 to 2005	0.720833333	1.0525	0.404166667	0.6625	0.091666667	0.13		
WV1004948	URHC2	2003 to 2004	0.1975	0.235	0.73	1.3925	0.0425	0.0625		
WV1004948	URHC2	2004 to 2005	0.669166667	0.916666667	0.438333333	0.695	0.1475	0.234166667		
WV1004956	001	2003 to 2004	0.353333333	0.475833333	0.096666667	0.150833333	0.0525	0.078333333	10.41666667	14
WV1004956	001	2004 to 2005	0.301666667	0.474166667	0.06	0.085	0.015833333	0.015833333	12.91666667	19
WV1004956	002	2003 to 2004	0.396666667	0.508333333	0.161666667	0.2075	0.055	0.076666667	4	4
WV1004956	002	2004 to 2005	0.330833333	0.4775	0.115833333	0.153333333	0.0375	0.04	5.5	7
WV1004956	003	2003 to 2004	0.467777778	0.658888889	1.146666667	2.066666667	0.056666667	0.086666667	7.444444444	10
WV1004956	003	2004 to 2005	0.6	0.774285714	0.175714286	0.227142857	0.018571429	0.022857143	8.571428571	11.42857143
WV1004956	006	2003 to 2004	0.156	0.156	0.104	0.108	0.014	0.014	4	4
WV1004956	006	2004 to 2005	0.376666667	0.376666667	0.296666667	0.296666667	0.036666667	0.036666667	4.666666667	4.666666667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1004956	015	2003 to 2004	0.239090909	0.297272727	0.123636364	0.180909091	0.027272727	0.04	4.090909091	4.181818182
WV1004956	015	2004 to 2005	0.233	0.271	0.104	0.133	0.025	0.035	7.2	8.4
WV1004981	003	2003 to 2004	0.539	0.615	0.197	0.223	1.171	1.39	7.5	8.2
WV1004981	003	2004 to 2005	0.41375	0.5525	0.1175	0.19375	0.625625	0.910625	3.65625	5.375
WV1004981	004	2003 to 2004	0.432	0.477	0.25	0.264	0.456	0.503	9.7	10.6
WV1004981	004	2004 to 2005	0.32	0.441666667	0.07625	0.12	0.92125	1.76375	2.340909091	3.125
WV1004981	006	2003 to 2004	0.575	0.575	0.25	0.25	0.47	0.47	4	4
WV1004981	006	2004 to 2005	0.24375	0.44875	0.07125	0.095			1.21875	1.9375
WV1004981	BBDS	2003 to 2004								
WV1004981	BBDS	2004 to 2005		0.34		0.144444444		0.038888889		
WV1004981	EFDSBW	2003 to 2004	0.393333333	0.61	0.376666667	0.436666667	0.083333333	0.126666667		
WV1004981	EFDSBW	2004 to 2005		0.361111111		0.313333333		0.122222222		
WV1004981	EFDSMB	2003 to 2004	0.376666667	0.566666667	0.546666667	0.68	0.216666667	0.353333333		
WV1004981	EFDSMB	2004 to 2005		0.397777778		0.331111111		0.19		
WV1004981	EFUSBW	2003 to 2004	0.31	0.4	0.593333333	0.636666667	0.063333333	0.083333333		
WV1004981	EFUSBW	2004 to 2005		0.371111111		0.492222222		0.153333333		
WV1004981	EFUSMB	2003 to 2004	0.35	0.496666667	0.55	0.643333333	0.21	0.353333333		
WV1004981	EFUSMB	2004 to 2005		0.401111111		0.496666667		0.188888889		
WV1004981	FBDS	2003 to 2004	0.443333333	0.66	0.236666667	0.396666667	0.21	0.216666667		
WV1004981	FBDS	2004 to 2005		0.373333333		0.21		0.298888889		
WV1004981	MBDS	2003 to 2004	0.43	0.666666667	0.653333333	0.73	0.743333333	1.08		
WV1004981	MBDS	2004 to 2005		0.381111111		0.374444444		0.718888889		
WV1005006	DHB	2003 to 2004		0.277142857		0.088571429		0.044285714		
WV1005006	DHB	2004 to 2005		1.53		0.286666667		1.985833333		
WV1005049	002	2003 to 2004								
WV1005049	002	2004 to 2005	0.304	0.304	0.384	0.384	0.086	0.086	9.066	9.066
WV1005049	006	2003 to 2004	0.283333333	0.357777778	0.4225	0.486666667	0.019166667	0.029166667	11.195	14.36166667
WV1005049	006	2004 to 2005	0.189090909	0.189090909	0.228181818	0.228181818	0.019090909	0.019090909	10.42363636	10.42363636
WV1005049	007	2003 to 2004	0.055	0.0575	0.1075	0.1675	0.015	0.025	3	3
WV1005049	007	2004 to 2005	0.078571429	0.078571429	0.124285714	0.124285714	0.021428571	0.021428571	5.237142857	5.237142857
WV1005049	009	2003 to 2004	0.065	0.065	0.072	0.108	0.03	0.03	3.6	3.6
WV1005049	009	2004 to 2005	0.03	0.03	0.07	0.07	0.01	0.01	3	3
WV1005049	010	2003 to 2004	0.2375	0.39125	0.2	0.330833333	0.134166667	0.244166667	3.638333333	4.195
WV1005049	010	2004 to 2005	0.038181818	0.038181818	0.071818182	0.071818182	0.01	0.01	4	4
WV1005057	001	2003 to 2004		9.35		2.915		1.375		6.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1005057	001	2004 to 2005	3.130785714	3.7344	0.749285714	0.811	0.328571429	0.42	18.66666667	20.88888889
WV1005111	001	2003 to 2004								
WV1005111	001	2004 to 2005	0.287357143	0.3925	0.47	0.71375	0.61	0.87875	12.42857143	16.375
WV1005120	001	2003 to 2004	0.215	0.285833333	0	0	0	0	10.875	18.625
WV1005120	001	2004 to 2005	0.437272727	0.597272727	0	0	0	0	0	0
WV1005120	002	2003 to 2004	0.245833333	0.3075	0	0	0	0	5.645833333	0
WV1005120	002	2004 to 2005	0.425833333	0.6375	0	0	0	0	0	0
WV1005120	003	2003 to 2004	0.253333333	0.299166667	0	0	0	0	0	0
WV1005120	003	2004 to 2005	0.475555556	0.821111111	0	0	0	0	7.666666667	13.38888889
WV1005120	005	2003 to 2004	0.251818182	0.281818182	0	0	0	0	0	0
WV1005120	005	2004 to 2005	0.56	0.908	0	0	0	0	6.4	11.65
WV1005120	006	2003 to 2004								
WV1005120	006	2004 to 2005	0.72	1.43	0	0	0	0	0	0
WV1005138	002	2003 to 2004			0.135	0.135	0.06	0.06	4.1875	4.1875
WV1005138	002	2004 to 2005	0	0	0.03125	0.03125	0.01375	0.01375	1	1
WV1005138	019	2003 to 2004			0.088863636	0.128181818	0.032727273	0.045454545	3.982954545	6.375
WV1005138	019	2004 to 2005	0.311666667	0.343333333	0.183125	0.2	0.020625	0.03	15.5	22.25
WV1005171	002	2003 to 2004			0.03	0.03	0.91	0.91	8	8
WV1005171	002	2004 to 2005								
WV1005171	003	2003 to 2004			0.03	0.03	0.9	0.9	10	10
WV1005171	003	2004 to 2005			0.1	0.13	0.01	0.01	15	22
WV1005171	004	2003 to 2004			0.053636364	0.064545455	0.01	0.010909091	16.27272727	19.81818182
WV1005171	004	2004 to 2005	0.111666667	0.135	0.055833333	0.075	0.013333333	0.016666667	13.91666667	19.58333333
WV1005171	006	2003 to 2004								
WV1005171	006	2004 to 2005	0.4225	0.49	0.27	0.296	0.32	0.37	9.2	9.6
WV1005201	005	2003 to 2004			0	0	0	0	0	0
WV1005201	005	2004 to 2005			0	0	0	0	7.590909091	0
WV1005251	001	2003 to 2004	0.101818182	0.132727273	0.044545455	0.059090909	0.043636364	0.058181818	3.818181818	5
WV1005251	001	2004 to 2005	0.096363636	0.131363636	0.036590909	0.047272727	0.033863636	0.050454545	2.159090909	2.727272727
WV1005251	003	2003 to 2004	2.360909091	4.627272727	0.720909091	1.386363636	0.023636364	0.036363636	25.72727273	44.81818182
WV1005251	003	2004 to 2005	0.089090909	0.099545455	0.082045455	0.087727273	0.013863636	0.018636364	3.5	4
WV1005251	004	2003 to 2004	0.255454545	0.355454545	0.087272727	0.11	0.01	0.010909091	25.45454545	32.72727273
WV1005251	004	2004 to 2005	0.150555556	0.241111111	0.057222222	0.078333333	0.038611111	0.067222222	4.027777778	5.333333333
WV1005251	052	2003 to 2004	0.093636364	0.108181818	0.031818182	0.034545455	0.01	0.01	3.181818182	4.363636364
WV1005251	052	2004 to 2005	0.154318182	0.249545455	0.122272727	0.166363636	0.037727273	0.067272727	3.090909091	4.818181818

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1005251	053	2003 to 2004	0.078	0.098	0.677	0.739	0.078	0.093	6.7	9
WV1005251	053	2004 to 2005	0.083333333	0.083333333	0.086666667	0.093333333	0.026666667	0.033333333	25	25
WV1005278	001	2003 to 2004	0.376	0.424	0.26	0.372	0.052	0.068	4	4
WV1005278	001	2004 to 2005	0.31	0.386666667	0.098333333	0.14	0.053333333	0.061666667	5.166666667	6.333333333
WV1005278	003	2003 to 2004	1.483333333	1.813333333	0.213333333	0.22	0.446666667	0.506666667	4	4
WV1005278	003	2004 to 2005	0.835	0.835	0.22	0.22	0.145	0.145	10	10
WV1005278	004	2003 to 2004	0.638571429	0.718571429	1.172857143	1.701428571	0.05	0.067142857	7.571428571	11.14285714
WV1005278	004	2004 to 2005								
WV1005278	006	2003 to 2004	0.47	0.57875	0.7875	0.9125	0.41375	0.6	5	6
WV1005278	006	2004 to 2005	0.178888889	0.254444444	0.4	0.534444444	0.208888889	0.358888889	4.666666667	5.333333333
WV1005278	009	2003 to 2004	0.328333333	0.4	0.143333333	0.158333333	0.068333333	0.093333333	4	4
WV1005278	009	2004 to 2005	0.426	0.506	0.132	0.164	0.046	0.046	4.6	5.2
WV1005278	012	2003 to 2004	0.41625	0.525	0.17125	0.2025	0.09	0.12375	9	14
WV1005278	012	2004 to 2005	0.327142857	0.424285714	0.18	0.231428571	0.062857143	0.08	5.571428571	7.142857143
WV1005278	015	2003 to 2004	0.195	0.195	0.22	0.22	0.015	0.015	4	4
WV1005278	015	2004 to 2005								
WV1005359	005	2003 to 2004			0.13375	0.154	0.09	0.08	6.5	9.2
WV1005359	005	2004 to 2005								
WV1005391	001	2003 to 2004	0.451666667	0.533333333	0.1175	0.173333333	0.063333333	0.090833333	4.083333333	4.166666667
WV1005391	001	2004 to 2005	0.346666667	0.445	0.143333333	0.203333333	0.051666667	0.069166667	4.833333333	5.666666667
WV1005391	004	2003 to 2004	0.31	0.415833333	0.139166667	0.195833333	0.051666667	0.079166667	4	4
WV1005391	004	2004 to 2005	0.3175	0.426666667	0.110833333	0.14	0.021666667	0.029166667	4.416666667	4.833333333
WV1005391	005	2003 to 2004	0.418333333	0.5325	0.213333333	0.290833333	0.065833333	0.090833333	4.833333333	5.333333333
WV1005391	005	2004 to 2005	0.275833333	0.361666667	0.203333333	0.270833333	0.059166667	0.076666667	4.833333333	5.666666667
WV1005391	069	2003 to 2004	0.441666667	0.526666667	0.158333333	0.218333333	0.051666667	0.068333333	6.333333333	7.666666667
WV1005391	069	2004 to 2005	0.374166667	0.478333333	0.225833333	0.269166667	0.0275	0.034166667	8.5	10.83333333
WV1005448	001	2003 to 2004								
WV1005448	001	2004 to 2005	0.239	0.237666667	0.17	0.173333333	0.43	0.446666667	1.5	2
WV1005448	002	2003 to 2004	0.4	0.4	0.253333333	0.328333333	0.169166667	0.223333333	9	13.5
WV1005448	002	2004 to 2005	0.156166667	0.174333333	0.128333333	0.193333333	0.035	0.043333333	2.333333333	3
WV1005448	003	2003 to 2004		0.4		0.53		0.175		1.5
WV1005448	003	2004 to 2005	0.19625	0.361333333	0.805	0.94	0.11	0.11	7	25
WV1005448	008	2003 to 2004	0.4	0.4	0.17	0.55	0.045	0.132857143	2.5	11.57142857
WV1005448	008	2004 to 2005	0.041	0.1065	0.2	0.205	0.07	0.065	4	2.5
WV1005448	009	2003 to 2004								



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1005448	009	2004 to 2005								
WV1005448	012	2003 to 2004	0.4	0.4	0.155	0.22	0.04	0.06	16.5	16.5
WV1005448	012	2004 to 2005								
WV1005481	001	2003 to 2004	0.4	0.4	0.305	0.34		0.02	14.16666667	16.5
WV1005481	001	2004 to 2005								
WV1005481	004	2003 to 2004	0.4	0.4	1.78	2.151666667	0.5583333333	0.7833333333	4.666666667	7
WV1005481	004	2004 to 2005								
WV1005481	006	2003 to 2004	0.4	0.4	0.261	0.3133333333	0.094	0.1333333333	4.3	6.333333333
WV1005481	006	2004 to 2005								
WV1005545	DHB	2003 to 2004		0	0.31	0.36		0		0
WV1005545	DHB	2004 to 2005								
WV1005588	008	2003 to 2004								
WV1005588	008	2004 to 2005	0.275	0.275	0.11	0.11	0.01	0.01	3	3
WV1005588	009	2003 to 2004	0.1766666667	0.1883333333	0.04	0.0408333333			3	3
WV1005588	009	2004 to 2005	0.1766666667	0.188888889	0.0333333333	0.0344444444	0.0125	0.0125	3	3
WV1005651	001	2003 to 2004	0.257	0.297	0.231	0.287		0	5.5	8
WV1005651	001	2004 to 2005	0.240909091	0.274545455	0.268181818	0.360909091			5.954545455	8.272727273
WV1005651	002	2003 to 2004	0.2533333333	0.3608333333	0.3083333333	0.475		0	4.083333333	5.083333333
WV1005651	002	2004 to 2005	0.2058333333	0.2433333333	0.2983333333	0.4091666667			6.291666667	8.833333333
WV1005677	001	2003 to 2004								
WV1005677	001	2004 to 2005	0.204	0.286	0.246	0.308	0.242	0.052	0.75	3
WV1005685	002	2003 to 2004								
WV1005685	002	2004 to 2005	0.34	0.34	0.07	0.07	0.09	0.09	3	3
WV1005685	DUTBF2	2003 to 2004	0.18	0.19	0.375	0.445	0.085	0.095		
WV1005685	DUTBF2	2004 to 2005	0.24	0.3141666667	0.4183333333	0.49	0.125	0.1441666667	3	3
WV1005685	UUTBF1	2003 to 2004	0.195	0.245	0.14	0.155	0.05	0.05		
WV1005685	UUTBF1	2004 to 2005	0.2241666667	0.2633333333	0.1225	0.1458333333	0.0308333333	0.035	3	3
WV1005758	002	2003 to 2004	0.2291666667	0.2666666667	0.255	0.3208333333		0	5.041666667	7.083333333
WV1005758	002	2004 to 2005	0.22	0.2641666667	0.2216666667	0.2883333333			3.458333333	3.916666667
WV1005758	003	2003 to 2004	0.2533333333	0.3216666667	0.3316666667	0.4691666667		0	5.458333333	7.916666667
WV1005758	003	2004 to 2005	0.2516666667	0.2916666667	0.2316666667	0.3066666667			3.416666667	3.833333333
WV1005855	001	2003 to 2004	0.0455555556	0.0455555556	0.0722222222	0.0722222222				
WV1005855	001	2004 to 2005	0.1	0.1	0.1366666667	0.1366666667	0.01	0.01		
WV1005880	001	2003 to 2004	0.178125	0.2283333333	0.040208333	0.0566666667			2	2
WV1005880	001	2004 to 2005	0.2129166667	0.255	0.0720833333	0.0941666667	0.014285714	0.018571429	3.083333333	3.166666667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1005880	006	2003 to 2004	0.354545455	0.44	0.148181818	0.184545455			2.136363636	2.227272727
WV1005880	006	2004 to 2005	0.2225	0.261666667	0.097916667	0.1175	0.049285714	0.058571429	3.208333333	3.333333333
WV1005952	001	2003 to 2004	0.4	0.4	0.1975	0.275	0.0225	0.025	7	11.5
WV1005952	001	2004 to 2005								
WV1005952	002	2003 to 2004	0.4	0.4	0.253	0.365	0.095	0.105	6.6	8.5
WV1005952	002	2004 to 2005								
WV1005979	001	2003 to 2004	0.15375	0.196666667	0.255833333	0.320833333	0.038541667	0.052916667	8.104166667	10.95833333
WV1005979	001	2004 to 2005	0.238125	0.344166667	0.364583333	0.458333333	0.052083333	0.067916667	9.854166667	16.20833333
WV1006029	005	2003 to 2004	0.25	0.35	0.11	0.12	0.05	0.05		
WV1006029	005	2004 to 2005								
WV1006029	006	2003 to 2004	0.197272727	0.237272727	0.257272727	0.346363636	0.236363636	0.360909091	2.204545455	2.545454545
WV1006029	006	2004 to 2005	0.255833333	0.3075	0.223333333	0.269166667	0.153333333	0.185	7.818181818	12.54545455
WV1006037	001	2003 to 2004	0.466666667	0.466666667	0.215	0.23	0.641666667	0.6	7.166666667	6.833333333
WV1006037	001	2004 to 2005								
WV1006037	003	2003 to 2004	0.4	0.471428571	0.17	0.367142857	0.185	0.627142857	3.25	7.142857143
WV1006037	003	2004 to 2005								
WV1006037	005	2003 to 2004	0.441666667	0.471428571	0.173333333	0.238571429	0.923333333	1.021428571	9.333333333	14
WV1006037	005	2004 to 2005								
WV1006037	007	2003 to 2004	0.4	0.45	0.39	0.328333333	0.1	0.583333333	18.5	14.66666667
WV1006037	007	2004 to 2005								
WV1006037	012	2003 to 2004	0.29325	0.3068	0.3365	0.432	0.797	0.931	3.4	5.8
WV1006037	012	2004 to 2005	0.4	0.4	0.41	0.595	0.61	0.67	6.75	8.5
WV1006037	013	2003 to 2004	0.4	0.4	0.938181818	1.107272727			5.863636364	8
WV1006037	013	2004 to 2005	0.475	0.5	0.77375	0.89	1.025	1.04	3.375	4
WV1006045	001	2003 to 2004	0.4	0.4	0.4175	0.48625	0.5225	0.59	2.375	2.75
WV1006045	001	2004 to 2005	0.404166667	0.408333333	0.935	1.135833333	0.826666667	0.958333333	4.95	6.9
WV1006045	007	2003 to 2004	0.4	0.4	1.7775	1.545	0.460625	0.431	10.375	10.8
WV1006045	007	2004 to 2005	0.52625	0.658333333	3.654583333	4.46	0.61875	0.695	16.58333333	26.91666667
WV1006070	001	2003 to 2004	0.044166667	0.064166667	0.154166667	0.195833333	0.04	0.052916667	1.875	2.802083333
WV1006070	001	2004 to 2005	0.048541667	0.06875	0.200416667	0.231666667	0.029791667	0.039583333	2	2.875
WV1006118	001	2003 to 2004	0.7475	1.098333333	0.717916667	0.930833333	1.557727273	1.944545455	3.1875	4.25
WV1006118	001	2004 to 2005	0.705416667	0.8875	0.799166667	0.8825	1.809166667	2.001666667	4.75	5.666666667
WV1006118	006	2003 to 2004	0.199166667	0.306666667	0.075625	0.105833333			2	2.125
WV1006118	006	2004 to 2005	0.177916667	0.220833333	0.049583333	0.059166667	0.03375	0.0425	3.083333333	3.166666667
WV1006118	008	2003 to 2004	0.127083333	0.180833333	0.062708333	0.08	0.05	0.05	2	2

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1006118	008	2004 to 2005	0.1975	0.2525	0.060416667	0.078333333	0.01625	0.02	3.125	3.166666667
WV1006126	001	2003 to 2004	4.933333333	4.933333333	0.063333333	0.063333333			3	3
WV1006126	001	2004 to 2005	2.021666667	2.476666667	0.068333333	0.09	1.95	1.95	4	4.333333333
WV1006258	002	2003 to 2004	0.28	0.374166667	0	0			152.2083333	174.375
WV1006258	002	2004 to 2005	0.299166667	0.384166667	0	0	0	0	15.14583333	21.95833333
WV1006304	001	2003 to 2004	0.289166667	0.379166667	0.300833333	0.430833333	0.089166667	0.1175	11	19
WV1006304	001	2004 to 2005	0.286363636	0.330909091	0.199090909	0.248181818	0.113636364	0.125454545	3.772727273	4
WV1006304	002	2003 to 2004	0.351666667	0.450833333	0.366666667	0.483333333		0	10.75	18.75
WV1006304	002	2004 to 2005	0.265833333	0.3225	0.22	0.279166667			3.541666667	4.083333333
WV1006304	003	2003 to 2004	0.2675	0.320833333	0.249166667	0.333333333		0	6.666666667	9.5
WV1006304	003	2004 to 2005	0.324166667	0.405	0.3075	0.426666667			9.708333333	15.16666667
WV1006304	004	2003 to 2004	0.215833333	0.2725	0.125	0.169166667		0	3.666666667	4.333333333
WV1006304	004	2004 to 2005	0.26	0.300909091	0.196363636	0.253636364			3.863636364	4.090909091
WV1006304	005	2003 to 2004	0.228333333	0.274166667	0.133333333	0.166666667		0	3.208333333	3.416666667
WV1006304	005	2004 to 2005	0.309090909	0.399090909	0.180909091	0.231818182			4.181818182	5.090909091
WV1006304	006	2003 to 2004	0.361818182	0.434545455	0.254545455	0.321818182		0	11.13636364	14.72727273
WV1006304	006	2004 to 2005	0.244444444	0.284444444	0.124444444	0.171111111			3.611111111	4.222222222
WV1006428	DSUT01	2003 to 2004	0.2	0.2	0.16	0.16	0.06	0.06	3	3
WV1006428	DSUT01	2004 to 2005	0.175	0.175	0.1675	0.1675	0.045	0.045	3.5	3.5
WV1006428	USUTHS	2003 to 2004	0.12	0.12	0.18	0.18	0.09	0.09	3	3
WV1006428	USUTHS	2004 to 2005	0.24	0.24	0.275	0.275	0.085	0.085	3.5	3.5
WV1006509	001	2003 to 2004				0.15				4
WV1006509	001	2004 to 2005	0.137	0.243	0.018	0.026	0.008	0.01	1.35	2.1
WV1006509	004	2003 to 2004			0.2825	0.281666667			5.666666667	7.090909091
WV1006509	004	2004 to 2005	0.032	0.05	0.267777778	0.352222222	0.041	0.054	7.138888889	10.94444444
WV1006509	005	2003 to 2004								
WV1006509	005	2004 to 2005	0.066666667	0.066666667	0.735	0.735	0.058333333	0.058333333	1.833333333	1.833333333
WV1006584	001	2003 to 2004	0.174285714	0.212857143	0.811428571	1.132857143	0.604285714	0.907142857	3.571428571	3.857142857
WV1006584	001	2004 to 2005	0.2275	0.280833333	0.7325	0.9	0.6225	0.795833333	4.583333333	5.75
WV1006584	002	2003 to 2004	0.36	0.423333333	4.86	6.13	3.893333333	4.44	4.833333333	5
WV1006584	002	2004 to 2005	0.377142857	0.44	2.204285714	2.818571429	2.958571429	4.008571429	5.714285714	6.857142857
WV1006584	005	2003 to 2004	0.232	0.274	0.426	0.536	0.088	0.104	7.6	7.6
WV1006584	005	2004 to 2005	0.255833333	0.283333333	0.503333333	0.648333333	0.1	0.126666667	4	4.333333333
WV1006584	006	2003 to 2004	0.253333333	0.283333333	0.216666667	0.25	0.053333333	0.053333333	3	3
WV1006584	006	2004 to 2005	0.373333333	0.422222222	0.46	0.501111111	0.11	0.115555556	11.38888889	11.55555556

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1006681	001	2003 to 2004	0.418181818	0.427272727	0.336818182	0.405454545	0.403333333	0.526666667	5.909090909	8.090909091
WV1006681	001	2004 to 2005	0.3125	0.318333333	0.255625	0.33375	0.267	0.294	2.3125	3
WV1006681	002	2003 to 2004	0.4125	0.5	0.400625	0.563	0.08	0.092	14	22
WV1006681	002	2004 to 2005	0.4	0.4	0.352142857	0.455714286	0.268333333	0.286666667	7.071428571	10.14285714
WV1006738	001	2003 to 2004	2.167	2.827727273	0.523	0.911363636	0.555	0.948181818	5.45	8
WV1006738	001	2004 to 2005	0.925	1.5475	0.143333333	0.42625	0.288333333	0.689166667	9.733333333	5.958
WV1006738	002	2003 to 2004	0.3125	0.3125	0.67	0.67	0.46	0.46	3.1	3.1
WV1006738	002	2004 to 2005	0.296666667	0.296666667	0.443333333	0.443333333	0.413333333	0.413333333	4.6	4.6
WV1007050	001	2003 to 2004	0.02	0.02	1.36	1.36	0.194	0.194	1	1
WV1007050	001	2004 to 2005								
WV1007050	003	2003 to 2004	0.299333333	0.299333333	0.8	0.8	0.1045	0.1045	13	13
WV1007050	003	2004 to 2005	0.424388889	0.512777778	0.360444444	0.513666667	0.218388889	0.341555556	6.968277778	8.174611111
WV1007220	001	2003 to 2004	1.2689375	1.766125	0.197875	0.2625	0.9891875	1.376375	19.4375	21.75
WV1007220	001	2004 to 2005	0.608857143	0.618857143	0.195142857	0.198285714	1.235785714	1.291285714	8.571428571	9.357142857
WV1007220	003	2003 to 2004								
WV1007220	003	2004 to 2005	0.479	0.479	0.183	0.183	0.164	0.164	71	71
WV1007394	001	2003 to 2004	0.134454545	0.163272727	1.355409091	1.675	0.503	0.694909091	12.66666667	17.41666667
WV1007394	001	2004 to 2005	0.165590909	0.216	0.658909091	0.877545455	0.480045455	0.629181818	6.123409091	8.103909091
WV1007424	002	2003 to 2004	0.01	0.01	0.785	0.785	0.148	0.148	1	1
WV1007424	002	2004 to 2005								
WV1007424	003	2003 to 2004	0.01	0.01	0.229	0.229	0.054	0.054	10	10
WV1007424	003	2004 to 2005								
WV1007432	002	2003 to 2004	0.08375	0.144	0.28275	0.379166667	0.22825	0.264166667	8.833333333	15.5
WV1007432	002	2004 to 2005	0.2693	0.272	0.2352	0.2376	0.1882	0.2088	13.4286	13.5143
WV1007441	001	2003 to 2004	0.273333333	0.47375	0.09	0.145	0.12	0.12	3.6	6.125
WV1007441	001	2004 to 2005	0.524	0.834	0.058571429	0.074285714	0.455	0.635	5.714285714	7.714285714
WV1007441	005	2003 to 2004	1.18875	1.475555556	0.283333333	0.323	0.76	0.76	9.111111111	12.7
WV1007441	005	2004 to 2005	1.6	2.33	1.212	1.562			21.2	34.2
WV1007441	016	2003 to 2004								
WV1007441	016	2004 to 2005	0.856666667	1.476666667	0.04	0.04	0.023333333	0.023333333	4	4.666666667
WV1007441	DGR11	2003 to 2004	0.291666667	0.447142857	0.205	0.278571429	0.361666667	0.487142857		
WV1007441	DGR11	2004 to 2005	0.364	0.548	0.296	0.472	0.688	0.92		
WV1007441	DUGR14	2003 to 2004	1.568888889	2.805555556	0.377777778	0.633333333	4.121111111	6.96125		
WV1007441	DUGR14	2004 to 2005	0.626666667	0.905	0.216666667	0.3675	2.684166667	3.129166667		
WV1007441	DWR3	2003 to 2004	0.271666667	0.371428571	0.086666667	0.107142857	0.484	0.653333333		

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1007441	DWR3	2004 to 2005	0.675	0.961666667	0.385	0.685	0.765	0.895		
WV1007441	UGR12	2003 to 2004	0.22	0.352857143	0.236666667	0.337142857	0.463333333	0.694285714		
WV1007441	UGR12	2004 to 2005	0.34	0.576	0.272	0.448	0.454	0.54		
WV1007441	UWR7	2003 to 2004	1.197142857	1.58375	0.13	0.157142857	0.61	0.795714286		
WV1007441	UWR7	2004 to 2005	0.69	1.028571429	0.367142857	0.541428571	0.201428571	0.318571429		
WV1007459	001	2003 to 2004	2.570388889	2.763666667	0.055944444	0.073777778	1.440722222	1.524555556	29.22222222	36
WV1007459	001	2004 to 2005	5.440666667	5.617333333	0.02495	0.028666667	1.267166667	1.321333333	18.5	19.33333333
WV1007459	003	2003 to 2004	5.447444444	5.585	0.079777778	0.108111111	1.509888889	1.674888889	29.33333333	35.22222222
WV1007459	003	2004 to 2005	5.4195	5.586	0.037	0.055333333	0.451666667	0.665666667	8.833333333	10.66666667
WV1007459	011	2003 to 2004	0.01	0.01	0.01	0.01	0.01	0.01	11	11
WV1007459	011	2004 to 2005								
WV1007688	003	2003 to 2004	0.416666667	0.416666667	0.1435	0.1435	0.2455	0.2455	4	4
WV1007688	003	2004 to 2005	0.1235	0.1235	0.18	0.18			9.6875	9.75
WV1007751	005	2003 to 2004	0.01	0.01	0.04875	0.057	0.938	1.268	11.25	11.5
WV1007751	005	2004 to 2005	0.029	0.036666667	0.082666667	0.131666667	0.2405	0.278	7.666666667	10.33333333
WV1007751	WT-1	2003 to 2004								
WV1007751	WT-1	2004 to 2005	0.279333333	0.279333333	0.060666667	0.060666667	0.094666667	0.094666667	3.762	2.714333333
WV1007751	WT-2	2003 to 2004								
WV1007751	WT-2	2004 to 2005	0.175333333	0.175333333	0.048333333	0.046	0.262666667	0.262666667	3.714333333	3.1905
WV1007815	005	2003 to 2004								
WV1007815	005	2004 to 2005	0.26	0.26	0.56	0.56	0.14	0.14	10	10
WV1007912	001	2003 to 2004	0.051875	0.071666667	0.120833333	0.158333333	0.120833333	0.146666667	4.0625	5.84375
WV1007912	001	2004 to 2005	0.037916667	0.05	0.060625	0.071666667	0.058125	0.0725	2.6875	4.75
WV1007939	001	2003 to 2004	0.4	0.4	0.296	0.363	0.4105	0.495	6.1	8.8
WV1007939	001	2004 to 2005	0.4	0.4	0.188	0.228181818	0.3095	0.382727273	8.55	10.27272727
WV1007939	002	2003 to 2004	0.4	0.4	0.03	0.37	0.1	0.18	9.5	18
WV1007939	002	2004 to 2005								
WV1007939	003	2003 to 2004	0.409090909	0.418181818	0.35125	0.443333333	0.21625	0.258333333	7.041666667	10.41666667
WV1007939	003	2004 to 2005	0.4	0.4	0.185909091	0.212727273	0.178636364	0.215454545	4.318181818	7.090909091
WV1007939	004	2003 to 2004	0.409090909	0.418181818	0.302083333	0.393333333	0.1075	0.13	5.916666667	8.583333333
WV1007939	004	2004 to 2005	0.4	0.4	0.187727273	0.213636364	0.077272727	0.102727273	3	4
WV1007939	005	2003 to 2004								
WV1007939	005	2004 to 2005	0.4	0.4	0.206666667	0.23	0.095	0.116666667	6	8.333333333
WV1007939	006	2003 to 2004	0.465	0.518181818	0.536818182	0.888333333	0.766818182	0.883333333	6.75	8.818181818
WV1007939	006	2004 to 2005	0.404166667	0.408333333	0.557083333	0.661666667	0.45125	0.505833333	6.625	9.583333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

<b>NPDES ID</b>	<b>Outfall Number</b>	<b>Loadings Year</b>	<b>Aluminum Average Conc. (a)</b>	<b>Aluminum Maximum Conc. (a)</b>	<b>Iron Average Conc. (a)</b>	<b>Iron Maximum Conc. (a)</b>	<b>Manganese Average Conc. (a)</b>	<b>Manganese Maximum Conc. (a)</b>	<b>TSS Average Conc. (a)</b>	<b>TSS Maximum Conc. (a)</b>
WV1007939	013	2003 to 2004								
WV1007939	013	2004 to 2005	0.4	0.4	0.2225	0.265	0.0375	0.045	15.25	24
WV1007939	015	2003 to 2004								
WV1007939	015	2004 to 2005		0.4		0.35		0.05		2
WV1007939	018	2003 to 2004								
WV1007939	018	2004 to 2005		0.4		0.48		0.06		41
WV1007939	019	2003 to 2004								
WV1007939	019	2004 to 2005	0.4	0.4	0.2175	0.265	0.09	0.1	5.75	7.5
WV1007939	022	2003 to 2004		0.4		0.41		0.14		16
WV1007939	022	2004 to 2005								
WV1007939	023	2003 to 2004		0.4		0.48		0.14		19
WV1007939	023	2004 to 2005								
WV1007939	024	2003 to 2004		0.4		0.48		0.03		44
WV1007939	024	2004 to 2005	0.4	0.4	0.2475	0.295	0.23	0.28	20	21
WV1007939	025	2003 to 2004		0.4		0.14		0.11		14
WV1007939	025	2004 to 2005								
WV1007939	026	2003 to 2004								
WV1007939	026	2004 to 2005	0.4	0.4	0.11	0.2	0.02	0.03	4.5	13.5
WV1007939	028	2003 to 2004		0.4		0.34		0.02		39
WV1007939	028	2004 to 2005								
WV1007939	029	2003 to 2004	0.4	0.4	0.08	0.1625	0.13	0.135	4.75	16
WV1007939	029	2004 to 2005	0.4	0.409090909	0.3525	0.545454545	0.163125	0.177272727	5.0625	12.54545455
WV1007939	030	2003 to 2004	0.4	0.4	0.415	0.36	0.04	0.04	55.5	55.5
WV1007939	030	2004 to 2005								
WV1007939	031	2003 to 2004		0.4		0.33		0.13		15
WV1007939	031	2004 to 2005	0.4	0.4	0.26	0.45	0.025	0.025	3	13
WV1007939	040	2003 to 2004								
WV1007939	040	2004 to 2005	0.4	0.4	0.395	0.58	0.075	0.12	31	38
WV1007939	043	2003 to 2004								
WV1007939	043	2004 to 2005	0.4	0.4	0.41	0.455	0.0475	0.06	25.75	31
WV1007939	044	2003 to 2004								
WV1007939	044	2004 to 2005	0.4	0.4	0.2975	0.365	0.09	0.1	20.5	32
WV1007939	046	2003 to 2004								
WV1007939	046	2004 to 2005	0.7	0.8	1.215	1.393333333	0.2575	0.373333333	30	27.33333333
WV1007955	004	2003 to 2004	0.595	0.776	0.134	0.175	0.808	1.064	5.8	6.8

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1007955	004	2004 to 2005	1.255714286	2.011428571	0.087857143	0.119285714	0.45	0.835714286	5.107142857	7.571428571
WV1007980	001	2003 to 2004								
WV1007980	001	2004 to 2005		0.321428571		0		0		0
WV1008072	011	2003 to 2004	0.513	0.618	0.234	0.337	1.083	1.66	9.9	13.6
WV1008072	011	2004 to 2005	0.3875	0.51	0.189166667	0.247083333	0.76625	0.99125	4.770833333	6.583333333
WV1008072	014	2003 to 2004	0.36	0.412	0.088	0.097	1.221	1.411	5	6
WV1008072	014	2004 to 2005	0.363636364	0.455454545	0.262272727	0.404545455	1.306818182	1.409090909	4.568181818	7.136363636
WV1008072	MPB	2003 to 2004								
WV1008072	MPB	2004 to 2005	0.366666667	0.488888889	0.303333333	0.401111111	0.241111111	0.298888889		
WV1008081	007	2003 to 2004	0.43	0.700833333	0	0	0	0	7.895833333	0
WV1008081	007	2004 to 2005	0.355454545	0.491818182	0	0	0	0	0	0
WV1008081	011	2003 to 2004	0.378181818	0.569090909	0	0	0	0	0	0
WV1008081	011	2004 to 2005	0.345	0.451	0	0	0	0.224	0	0
WV1008099	001	2003 to 2004	0.217142857	0.35	0	0	0	0	0	0
WV1008099	001	2004 to 2005	0.302	0.466	0	0	0	0	0	0
WV1008102	003	2003 to 2004	0.193333333	0.466666667	0	0	0	0	0	0
WV1008102	003	2004 to 2005	0.308	0.541	1.8995	3.76	0	0	0	0
WV1008111	001	2003 to 2004	0.290833333	0.35	0	0	0	0	0	0
WV1008111	001	2004 to 2005	0.298333333	0.415	0	0	0	0	0	0
WV1008111	002	2003 to 2004	0.14	0.27	0	0	0	0	0	0
WV1008111	002	2004 to 2005								
WV1008129	001	2003 to 2004	0.045833333	0.053333333	0.087222222	0.098333333	0.012222222	0.013333333	2.444444444	2.555555556
WV1008129	001	2004 to 2005	0.056875	0.069375	0.110625	0.136875	0.0275	0.030625	1.6875	2.5
WV1008129	002	2003 to 2004	0.09	0.09	0.245	0.245	0.08	0.08	6.5	6.5
WV1008129	002	2004 to 2005	0.104	0.125	0.162	0.199	0.028	0.034	2.1	3.1
WV1008129	004	2003 to 2004	0.047708333	0.062916667	0.1525	0.195	0.175416667	0.191666667	7.572916667	13.3125
WV1008129	004	2004 to 2005	0.076875	0.093333333	0.176875	0.21	0.194583333	0.225	2.167083333	3.875
WV1008129	005	2003 to 2004	0.097708333	0.121666667	0.222916667	0.265	0.198333333	0.2375	15.63541667	25.72916667
WV1008129	005	2004 to 2005	0.125208333	0.188333333	0.227083333	0.296666667	0.217916667	0.258333333	2.916666667	4.958333333
WV1008129	006	2003 to 2004	0.054444444	0.059444444	0.825555556	0.895555556	0.972222222	1.074444444	5.069444444	7.916666667
WV1008129	006	2004 to 2005	0.17275	0.241	0.756	0.873	0.854	0.965	5.225	8.35
WV1008129	007	2003 to 2004	0.132708333	0.158333333	0.346458333	0.410833333	0.076875	0.094583333	43.84895833	74.85416667
WV1008129	007	2004 to 2005	0.14375	0.1745	0.32225	0.3905	0.061	0.0655	15.975	17.6
WV1008170	003	2003 to 2004	0.457142857	0.44	0.500714286	0.594545455	0.027857143	0.149090909	8.928571429	10.63636364
WV1008170	003	2004 to 2005	0.4	0.4	0.125909091	0.155833333	0.020909091	0.023333333	4.227272727	6.75

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1008170	006	2003 to 2004		0.4		0.29		0.52		2
WV1008170	006	2004 to 2005								
WV1008170	028	2003 to 2004	0.4	0.4	0.12	0.166666667	1.523333333	1.673333333	9.833333333	16.66666667
WV1008170	028	2004 to 2005	0.404166667	0.408333333	0.147916667	0.1625	0.55625	0.635833333	10.08333333	14
WV1008170	030	2003 to 2004	0.4	0.4	0.159545455	0.230909091	0.048181818	0.069090909	6.227272727	8.363636364
WV1008170	030	2004 to 2005	0.4	0.4	0.111818182	0.139166667	0.051363636	0.063333333	4.090909091	5.5
WV1008170	032	2003 to 2004								
WV1008170	032	2004 to 2005	0.4	0.4	0.11	0.135	0.315	0.455	9	14
WV1008170	033	2003 to 2004								
WV1008170	033	2004 to 2005		0.4		0.06		0.02		2
WV1008170	069	2003 to 2004								
WV1008170	069	2004 to 2005	0.208	0.3135	0.215	0.25	0.26	0.3	4.5	3
WV1008218	001	2003 to 2004	0.4	0.4	0.147	0.176	0.025	0.025	6.5	10.2
WV1008218	001	2004 to 2005	0.41875	0.43	0.161875	0.19			8.4375	12.2
WV1008218	003	2003 to 2004	0.4	0.4	0.3245	0.464	0.073571429	0.097142857	15.05	27.3
WV1008218	003	2004 to 2005	0.475	0.536363636	0.328	0.450909091			8.65	13.45454545
WV1008218	004	2003 to 2004	0.4	0.4	0.359	0.504	0.110714286	0.141428571	5.5	7.7
WV1008218	004	2004 to 2005	0.48	0.533333333	0.558	0.705833333			7.75	10.66666667
WV1008218	010	2003 to 2004	0.4375	0.466666667	0.47875	0.544	0.2425	0.29375	8.1875	12.2
WV1008218	010	2004 to 2005	0.416	0.463636364	0.412	0.520909091			8.85	13.81818182
WV1008218	011	2003 to 2004		0.4		0.15		0.02		7
WV1008218	011	2004 to 2005	0.42	0.433333333	0.502	0.52			8	16.5
WV1008218	012	2003 to 2004								
WV1008218	012	2004 to 2005	0.352333333	0.32375	0.233333333	0.3625	0.05	0.075	1.833333333	2.5
WV1008226	001	2003 to 2004	0.4	0.4	0.376	0.447	0.127	0.169	3.75	5.1
WV1008226	001	2004 to 2005	0.285785714	0.2675	0.414285714	0.45	0.101428571	0.113	7.428571429	6.8
WV1008251	001	2003 to 2004	0.319166667	0.424166667	0.6275	1.10875	0	0	0	0
WV1008251	001	2004 to 2005	0.45375	0.555	0	0	0	0	0	0
WV1008251	002	2003 to 2004	0.384444444	0.6	0	0	0	0	0	0
WV1008251	002	2004 to 2005	0.367777778	0.451111111	0	0	0	0	0	0
WV1008251	003	2003 to 2004	0.466666667	0.6875	0.689166667	1.005833333	0.655	0.795416667	10.58333333	18.45833333
WV1008251	003	2004 to 2005	0.452222222	0.543333333	0	0	1.028333333	1.973333333	8.527777778	0
WV1008251	008	2003 to 2004	0.22	0	0	0	0	0	0	0
WV1008251	008	2004 to 2005	0.371111111	0	0	0	0	0	0	0
WV1008251	009	2003 to 2004	0.2875	0.354166667	0	0	0	0	6.125	0



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1008251	009	2004 to 2005	0.4411111111	0.5277777778	0	0	0	0	17.38888889	17.94444444
WV1008269	003	2003 to 2004	0.309166667	0.366666667	0	0	0	0	0	0
WV1008269	003	2004 to 2005	0.25	0.3475	0	0	0	0	0	0
WV1008269	009	2003 to 2004	0.254166667	0.304166667	0	0	0	0	0	0
WV1008269	009	2004 to 2005	0.328333333	0.435	0	0	0	0	0	0
WV1008277	001	2003 to 2004	0.445833333	0.491666667	0.203333333	0.2825	0.097916667	0.135	7.083333333	9.75
WV1008277	001	2004 to 2005	0.429166667	0.45	0.20375	0.301666667	0.079583333	0.0975	4.75	6.833333333
WV1008277	002	2003 to 2004	0.404545455	0.409090909	0.345454545	0.470909091	0.140909091	0.195454545	7.090909091	11.36363636
WV1008277	002	2004 to 2005	0.404166667	0.408333333	0.206666667	0.278333333	0.0525	0.0725	4.791666667	7.666666667
WV1008277	003	2003 to 2004	0.404545455	0.409090909	0.258636364	0.35	0.097727273	0.122727273	8.227272727	11.45454545
WV1008277	003	2004 to 2005	0.416666667	0.433333333	0.193333333	0.27	0.090416667	0.115	7.75	11.16666667
WV1008277	005	2003 to 2004		0.5		0.34		0.51		7
WV1008277	005	2004 to 2005	0.516666667	0.633333333	0.143333333	0.16	1.666666667	1.74	10	16.66666667
WV1008277	007	2003 to 2004								
WV1008277	007	2004 to 2005	1	1.6	1.2125	1.76	1.42	1.79	11.75	14.5
WV1008277	009	2003 to 2004								
WV1008277	009	2004 to 2005		0.4		0.47		0.46		3
WV1008277	014	2003 to 2004								
WV1008277	014	2004 to 2005		0.4		0.16		0.21		7
WV1008277	016	2003 to 2004								
WV1008277	016	2004 to 2005	0.4	0.4	0.365	0.446666667	0.706666667	0.74	12.5	17.33333333
WV1008277	017	2003 to 2004								
WV1008277	017	2004 to 2005	0.4	0.4	0.6225	0.835	1.895	1.98	5.5	9
WV1008277	024	2003 to 2004								
WV1008277	024	2004 to 2005	0.4	0.4	0.11	0.145	0.29	0.295	10	10
WV1008277	025	2003 to 2004								
WV1008277	025	2004 to 2005	0.466666667	0.533333333	0.171666667	0.196666667	0.045	0.063333333	8	13
WV1008277	037	2003 to 2004	0.4	0.55	0.13	0.63	0.03	0.05	3.5	10
WV1008277	037	2004 to 2005	0.425	0.45	0.39	0.67	0.09	0.115	15	24
WV1008277	038	2003 to 2004	0.4	0.4	0.23	0.31	0.055	0.07	11.5	15
WV1008277	038	2004 to 2005	0.442857143	0.485714286	0.217857143	0.354285714	0.621428571	0.818571429	12.14285714	20.42857143
WV1008285	001	2003 to 2004	0.40625	0.41	0.44625	0.553	0.394375	0.47	6.625	7.4
WV1008285	001	2004 to 2005	0.4	0.4	0.185	0.233333333	0.154583333	0.1825	6.75	10.25
WV1008285	002	2003 to 2004	0.4	0.4	0.493	0.5675	0.444	0.50125	8.5	12.75
WV1008285	002	2004 to 2005	0.405	0.409090909	0.39	0.470909091	0.278	0.356363636	13.75	20.63636364

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1008285	003	2003 to 2004	0.488888889	0.545454545	0.535	0.730909091	0.226666667	0.236363636	11.44444444	14.45454545
WV1008285	003	2004 to 2005	0.4	0.4	0.189375	0.234	0.104375	0.111	7.375	9.8
WV1008285	006	2003 to 2004	0.4	0.4	0.335	0.403	0.166428571	0.194	7.142857143	9.4
WV1008285	006	2004 to 2005	0.4	0.4	0.1725	0.222222222	0.11	0.125555556	5	9.55555556
WV1008285	007	2003 to 2004		0.4		0.15		0.04		2
WV1008285	007	2004 to 2005								
WV1008285	008	2003 to 2004		0.4		0.06		0.03		20
WV1008285	008	2004 to 2005								
WV1008285	009	2003 to 2004	0.4	0.4	0.445	0.605	0.075	0.26	3	10.5
WV1008285	009	2004 to 2005		0.4		0.52		0.54		7
WV1008285	010	2003 to 2004		0.4		0.68		0.42		19
WV1008285	010	2004 to 2005								
WV1008307	001	2003 to 2004	0.453333333	0.548888889	0.606666667	0.688888889	1.323333333	1.477777778	6.111111111	6.888888889
WV1008307	001	2004 to 2005	0.4	0.525833333	0.239583333	0.333333333	0.599583333	0.780833333	3.5625	5.458333333
WV1008307	EFDSMB	2003 to 2004	0.376666667	0.566666667	0.546666667	0.68	0.216666667	0.353333333		
WV1008307	EFDSMB	2004 to 2005	0.306666667	0.397777778	0.263333333	0.331111111	0.14	0.19		
WV1008307	EFUSMB	2003 to 2004	0.35	0.496666667	0.55	0.643333333	0.21	0.353333333		
WV1008307	EFUSMB	2004 to 2005	0.317777778	0.401111111	15.37222222	30.55888889	0.15875	0.227777778		
WV1008307	MBDS	2003 to 2004								
WV1008307	MBDS	2004 to 2005	0.323636364	0.406363636	0.287272727	0.378181818	0.470909091	0.664545455		
WV1008323	001	2003 to 2004	0.3	0.3	0.616666667	0.616666667	0.026666667	0.026666667	16.125	16.125
WV1008323	001	2004 to 2005	0.07875	0.09125	0.2125	0.235	0.02875	0.03625	7.125	7.75
WV1008323	025	2003 to 2004								
WV1008323	025	2004 to 2005	0.04	0.04	0.1	0.1	0.03	0.03	0	0
WV1008323	027	2003 to 2004	0.127083333	0.2175	0.300833333	0.491666667	0.080416667	0.0975	10.03125	17.35416667
WV1008323	027	2004 to 2005	0.061875	0.1	0.149166667	0.24	0.055	0.063333333	2.9375	4.5
WV1008323	028	2003 to 2004	0.07708333	0.115833333	0.141458333	0.233333333	0.031458333	0.04625	3.734375	5.8125
WV1008323	028	2004 to 2005	0.0825	0.116666667	0.205208333	0.294166667	0.066041667	0.106666667	3.437916667	5.25
WV1008323	035	2003 to 2004	0.065208333	0.10125	0.145416667	0.246666667	0.012708333	0.020833333	5.40625	8.979166667
WV1008323	035	2004 to 2005	0.036458333	0.051666667	0.072291667	0.105833333	0.0075	0.009583333	1.083333333	1.666666667
WV1008323	037	2003 to 2004	0.085714286	0.085714286	0.098571429	0.098571429	0.007857143	0.007857143	4.875	4.875
WV1008323	037	2004 to 2005	0.055833333	0.065	0.148611111	0.19	0.182222222	0.221111111	2.555555556	3.611111111
WV1008323	042	2003 to 2004								
WV1008323	042	2004 to 2005	0.18	0.18	0.28	0.28	0.04	0.04	11	11
WV1008323	049	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1008323	049	2004 to 2005	0.04	0.0615	0.0695	0.103	0.028	0.045	1.125	1.7
WV1008323	058	2003 to 2004								
WV1008323	058	2004 to 2005	0.12975	0.199	0.19775	0.294	0.592	0.654	11.05	16.8
WV1008331	001	2003 to 2004	0.3375	0.3775	0.2725	0.375	0.055	0.0675	9.25	12
WV1008331	001	2004 to 2005	0.398	0.636	0.874	1.202	0.084	0.132	25	36.4
WV1008340	003	2003 to 2004	0.06	0.06	0.03	0.03	0.01	0.01	3	3
WV1008340	003	2004 to 2005								
WV1008340	004	2003 to 2004	0.05	0.05	0.08	0.08	0.01	0.01	13	13
WV1008340	004	2004 to 2005								
WV1008358	001	2003 to 2004	0.323125	0.4575	0.815833333	1.272916667	0.6625	0.995833333	6.963541667	10
WV1008358	001	2004 to 2005	0.059166667	0.073333333	0.219166667	0.307083333	0.229583333	0.352083333	1.8125	2.541666667
WV1008579	001	2003 to 2004	0.15375	0.185833333	0.036666667	0.04			3	3
WV1008579	001	2004 to 2005	0.146666667	0.174166667	0.0275	0.030833333	0.0175	0.0175	3	3
WV1008579	002	2003 to 2004	0.162083333	0.2	0.036666667	0.041666667			3	3
WV1008579	002	2004 to 2005	0.151666667	0.191666667	0.035833333	0.043333333	0.015	0.015	3	3
WV1008579	003	2003 to 2004	0.234166667	0.314166667	0.609583333	0.7425			8.441666667	18.25
WV1008579	003	2004 to 2005	0.1925	0.236666667	0.373333333	0.505	0.04	0.0425	5.139166667	6.166666667
WV1008579	005	2003 to 2004	0.185833333	0.221666667	0.089583333	0.1125			3.166666667	3.333333333
WV1008579	005	2004 to 2005	0.1825	0.225	0.087916667	0.123333333	0.01	0.01	3.041666667	3.083333333
WV1008579	009	2003 to 2004	0.163333333	0.2025	0.0575	0.065833333			3	3
WV1008579	009	2004 to 2005	0.164166667	0.201666667	0.089166667	0.119166667	0.02	0.02	3.041666667	3.083333333
WV1008579	010	2003 to 2004	0.152	0.194	0.1785	0.192			3	3
WV1008579	010	2004 to 2005	0.184166667	0.218333333	0.160833333	0.1725	0.015	0.0175	3.041666667	3.083333333
WV1008579	012	2003 to 2004	0.159166667	0.204166667	0.182083333	0.231666667			3.083333333	3.166666667
WV1008579	012	2004 to 2005	0.159166667	0.1925	0.184166667	0.240833333	0.105	0.125	3.541666667	4.083333333
WV1008579	DSWS02	2003 to 2004	0.14	0.183333333	0.056666667	0.063333333	0.05	0.05	3	3
WV1008579	DSWS02	2004 to 2005	0.171666667	0.211666667	0.068333333	0.080833333	0.022857143	0.024285714	3	3
WV1008579	USWS01	2003 to 2004	0.136666667	0.186666667	0.05	0.06	0.05	0.05	3	3
WV1008579	USWS01	2004 to 2005	0.188333333	0.211666667	0.058333333	0.07	0.02	0.02	3	3
WV1008633	001	2003 to 2004			0.1615	0.206363636			5.85	7.454545455
WV1008633	001	2004 to 2005			0.137	0.186			2.2	3.4
WV1008633	002	2003 to 2004			0.083636364	0.0825			1.863636364	2.666666667
WV1008633	002	2004 to 2005	0.381333333	0.418666667	0.078333333	0.104166667	0.03	0.04	2.25	3.25
WV1008633	003	2003 to 2004	0.4	0.4	0.054	0.058			2.65	3.7
WV1008633	003	2004 to 2005	0.4	0.4	0.14	0.220833333	0.02	0.02	3.045454545	4.166666667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1008633	004	2003 to 2004	0.4	0.4	0.052	0.054			2.05	3
WV1008633	004	2004 to 2005	0.35	0.4	0.070909091	0.0875	0.0325	0.045	3	3.916666667
WV1008633	007	2003 to 2004	0.4	0.4	0.069166667	0.071666667			2.25	3
WV1008633	007	2004 to 2005	0.4	0.4	0.06125	0.068	0.02	0.02	4.75	6.6
WV1008676	002	2003 to 2004	0.172857143	0.191428571	0.428571429	0.621428571	0.128571429	0.172857143	4.642857143	6.285714286
WV1008676	002	2004 to 2005	0.231666667	0.273333333	0.351666667	0.425	0.093333333	0.119166667	4.25	5.166666667
WV1008684	001	2003 to 2004	0.246666667	0.291666667	0.071666667	0.09	0.05	0.05	3	3
WV1008684	001	2004 to 2005	0.275	0.324	0.202	0.247	0.046	0.048	3.15	3.2
WV1008731	042	2003 to 2004	0.245227273	0.345454545	0.129772727	0.181818182	4.408333333	5.826666667	2.318181818	2.454545455
WV1008731	042	2004 to 2005	0.455555556	0.554444444	0.148888889	0.218888889	1.215	1.907777778	3.111111111	3.111111111
WV1008781	005	2003 to 2004	0.195	0.2525	0.2125	0.256666667		0	3.291666667	3.583333333
WV1008781	005	2004 to 2005	0.316666667	0.362222222	0.435555556	0.522222222			4.444444444	5.666666667
WV1008781	007	2003 to 2004	0.248333333	0.319166667	0.325	0.436666667		0	3.375	3.75
WV1008781	007	2004 to 2005	0.258333333	0.315833333	0.201666667	0.256666667			3.166666667	3.333333333
WV1008889	DSNF02	2003 to 2004	0.23	0.23	0.14	0.14	0.05	0.05	3	3
WV1008889	DSNF02	2004 to 2005	0.25	0.2625	0.275	0.28	0.08	0.085	3.75	3.75
WV1008901	004	2003 to 2004	0.063541667	0.088333333	0.12	0.176666667	0.129583333	0.17	3.692708333	5.604166667
WV1008901	004	2004 to 2005	0.10825	0.14855	0.25325	0.31005	0.1235	0.14105	1.6	1.95005
WV1008919	001	2003 to 2004	0.4	0.4	0.975	1.01	1.035	1.09	6	7
WV1008919	001	2004 to 2005								
WV1008919	004	2003 to 2004								
WV1008919	004	2004 to 2005	0.533333333	0.577777778	0.4675	0.536666667	0.385	0.362222222	11.83333333	17.77777778
WV1008919	006	2003 to 2004	0.422222222	0.481818182	0.708333333	0.845454545	0.096111111	0.110909091	22.83333333	25.18181818
WV1008919	006	2004 to 2005	0.421428571	0.433333333	0.496428571	0.695555556	0.078571429	0.094444444	13.78571429	23
WV1008978	001	2003 to 2004								
WV1008978	001	2004 to 2005	0.21	0.25	0.26	0.29	0.07	0.07	6	9
WV1008978	003	2003 to 2004								
WV1008978	003	2004 to 2005	0.283333333	0.32	0.368333333	0.4	0.081666667	0.096666667	5.333333333	11
WV1009133	001	2003 to 2004	1.080909091	1.617272727	0.408181818	0.568181818	1.299090909	1.616363636	10.63636364	17.09090909
WV1009133	001	2004 to 2005	1.114166667	1.3225	0.240833333	0.3125	1.5375	1.776666667	8.5	10.16666667
WV1009133	008	2003 to 2004			0.195833333	0.304166667	2.625	3.7175	5.166666667	6
WV1009133	008	2004 to 2005	1.384444444	1.59	0.1325	0.184166667	3.411666667	4.118333333	6	6.666666667
WV1009133	015	2003 to 2004			0.165	0.17	1.3125	1.615	5.5	5.5
WV1009133	015	2004 to 2005	0.932	1.016	0.4075	0.60125	1.62	2.27625	9.625	13.75
WV1009133	016	2003 to 2004	0.8275	1.079166667	0.2125	0.295833333	1.5225	2.003333333	6.916666667	9

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1009133	016	2004 to 2005	0.858333333	1.01	0.1675	0.228333333	1.8625	2.165833333	7.916666667	10.66666667
WV1009206	001	2003 to 2004	0.335454545	0.380909091	0.332727273	0.379090909	0.221818182	0.279090909	4.363636364	4.727272727
WV1009206	001	2004 to 2005	0.238333333	0.295	0.068333333	0.07	0.228333333	0.278333333	6.833333333	8
WV1009290	005	2003 to 2004	0.160714286	0.221428571	0.337857143	0.421428571	1.216428571	1.367142857	8.535714286	10.42857143
WV1009290	005	2004 to 2005	4.055	4.095	0.185	0.22	0.615	1.055	7.375	10.5
WV1009290	011	2003 to 2004	0.204285714	0.244285714	0.689285714	0.817142857	0.820714286	0.93	12.32142857	14.71428571
WV1009290	011	2004 to 2005	0.27	0.3	0.18	0.19	0.665	0.675	6.625	9.5
WV1009311	003	2003 to 2004		0	0.084166667	0.105	0.063333333	0.069166667	3.227272727	3.454545455
WV1009311	003	2004 to 2005			0.100833333	0.12	0.049166667	0.054166667	3.208333333	3.416666667
WV1009311	005	2003 to 2004		0	0.085833333	0.1075	0.076666667	0.0975	3.041666667	3.083333333
WV1009311	005	2004 to 2005			0.07	0.085833333	0.041666667	0.046666667	3	3
WV1009311	006	2003 to 2004		0	0.139166667	0.183333333	0.079166667	0.094166667	3.083333333	3.166666667
WV1009311	006	2004 to 2005			0.114166667	0.1525	0.0725	0.098333333	4.5	6
WV1009311	017	2003 to 2004			0.13	0.145	0.05	0.05	3.25	3.5
WV1009311	017	2004 to 2005			0.073636364	0.091818182	0.033636364	0.037272727	3	3
WV1009354	001	2003 to 2004	0.25	0.285	0.466666667	0.533333333	0.048333333	0.051666667	7.458333333	8.333333333
WV1009354	001	2004 to 2005	0.115	0.126666667	0.173333333	0.205	0.115	0.126666667	11.125	14.33333333
WV1009354	002	2003 to 2004								
WV1009354	002	2004 to 2005	0.14	0.14	0.01	0.01	0.01	0.01	8	8
WV1009931	001	2003 to 2004	1.1	1.35	0.58	0.365	5.31	13.85		
WV1009931	001	2004 to 2005								
WV1009931	002	2003 to 2004	0.4	0.933333333	0.11	0.193333333	0.31	4.436666667		
WV1009931	002	2004 to 2005								
WV1009931	003	2003 to 2004	1.890909091	2.75	0.053636364	0.059166667	4.242727273	5.319166667		
WV1009931	003	2004 to 2005	0.883333333	0.888888889	0.081111111	0.098888889	2.788888889	2.948888889		
WV1009931	004	2003 to 2004								
WV1009931	004	2004 to 2005	0.4	0.4	0.105	0.15	3.18	3.85		
WV1009931	303	2003 to 2004								
WV1009931	303	2004 to 2005	0.85	1.295	1.29	2.525	1.415	2.025	3	5
WV1009974	003	2003 to 2004	0.22375	0.409583333	0.16875	0.245833333	0.2775	0.376666667	3.5625	5.833333333
WV1009974	003	2004 to 2005	0.521111111	0.609444444	0.311666667	0.372777778	0.033055556	0.040555556	4.111111111	4.833333333
WV1010026	001	2003 to 2004	0.43	0.427272727	0.3905	0.434545455	0.308	0.325454545	11.416	13.83363636
WV1010026	001	2004 to 2005	0.4	0.4	0.196111111	0.284545455	0.285	0.335454545	9.555555556	13.18181818
WV1010051	001	2003 to 2004	0.108227273	0.139727273	0.198390909	0.228072727	0.070818182	0.080636364	8.045454545	9.454545455
WV1010051	001	2004 to 2005	0.147272727	0.175454545	0.137272727	0.15	0.107545455	0.133	7.394545455	8.44

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1010051	002	2003 to 2004	0.169045455	0.261636364	0.483818182	0.579	0.161636364	0.206272727	12.27272727	15.18181818
WV1010051	002	2004 to 2005	0.135454545	0.17	0.152727273	0.168181818	0.063363636	0.080636364	7.382727273	9.830909091
WV1010051	003	2003 to 2004								
WV1010051	003	2004 to 2005	0.03	0.03	0.01	0.01	0.005	0.005	1	1
WV1010051	004	2003 to 2004								
WV1010051	004	2004 to 2005	0.03	0.03	0.009	0.009	0.005	0.005	1	1
WV1010069	001	2003 to 2004	0.433333333	0.466666667	0.305	0.421666667	0.3375	0.425	6.708333333	9.75
WV1010069	001	2004 to 2005	0.4	0.4	0.213636364	0.258181818	0.241818182	0.336363636	5	7
WV1010077	001	2003 to 2004	0.4	0.4	0.190833333	0.235	0.217916667	0.26	6.916666667	9.083333333
WV1010077	001	2004 to 2005	0.4	0.4	0.227	0.279090909	0.2675	0.349090909	5.55	8.272727273
WV1010115	001	2003 to 2004	0.337125	0.3715	0.403375	0.447	0.13375	0.16175	14.375	23.5
WV1010115	001	2004 to 2005	0.4	0.4	0.265	0.36125	0.24375	0.305	10.3125	12.125
WV1010221	001	2003 to 2004	0.089	0.089	0.14025	0.14025	0.236	0.236	8	8
WV1010221	001	2004 to 2005	0.102	0.138545455	0.384272727	0.556636364	0.194454545	0.344545455	5.090909091	8.181818182
WV1010221	018	2003 to 2004	0.5783	0.8064	0.1515	0.1914	1.0587	1.277	3.4417	5.1
WV1010221	018	2004 to 2005	0.39975	0.508916667	0.36775	0.449333333	1.259666667	1.437166667	3	4.25
WV1010255	003	2003 to 2004	0.1745	0.1745	0.051	0.051	0.0495	0.0495	11.5	11.5
WV1010255	003	2004 to 2005								
WV1010255	004	2003 to 2004	0.166	0.166	0.0275	0.0275	0.042	0.042	9	9
WV1010255	004	2004 to 2005								
WV1010255	005	2003 to 2004	0.0215	0.0215	0.1755	0.1755	0.0275	0.0275	15.66666667	15.66666667
WV1010255	005	2004 to 2005							11	10.5
WV1010255	006	2003 to 2004	0.4655	0.4655	0.1035	0.1035	0.051	0.051	11	11
WV1010255	006	2004 to 2005							9.666666667	9.666666667
WV1010361	001	2003 to 2004	0.4	0.4	0.1375	0.1775	0.100416667	0.124166667	6.727272727	10.27272727
WV1010361	001	2004 to 2005	0.4	0.4	0.145555556	0.167272727	0.098333333	0.110909091	4.833333333	5.545454545
WV1010395	001	2003 to 2004	0.111818182	0.159090909	1.327272723	1.750909091	0.441363636	0.584545455	6.613636364	9.090909091
WV1010395	001	2004 to 2005	0.17	0.21	1.53625	1.91875	0.305	0.365	6.9375	9.25
WV1010417	001	2003 to 2004	0.197875	0.2965	0.418291667	0.5225	0.455708333	0.666916667	6.208333333	8.583333333
WV1010417	001	2004 to 2005	0.334625	0.461833333	0.32175	0.435916667	0.271291667	0.3915	8.047625	10.5
WV1010417	002	2003 to 2004	0.089958333	0.15325	0.123875	0.2275	0.339083333	0.4755	4.416666667	7.25
WV1010417	002	2004 to 2005	0.190166667	0.22725	0.056916667	0.08625	0.140458333	0.239583333	8.72025	11.297625
WV1010417	003	2003 to 2004	0.073666667	0.129333333	0.353083333	0.461916667	1.035125	1.2595	5.083333333	6.666666667
WV1010417	003	2004 to 2005	0.158791667	0.206166667	0.32875	0.4105	1.131083333	1.317583333	5.726208333	6.714291667
WV1010514	001	2003 to 2004	0.212142857	0.235285714	0.323428571	0.360571429	0.072857143	0.081428571	8.357142857	9.428571429

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1010514	001	2004 to 2005	0.154666667	0.227833333	0.275583333	0.366333333	0.07475	0.0895	6	9.5
WV1010557	001	2003 to 2004			0	0	0	0	0	0
WV1010557	001	2004 to 2005			0	0	0	0	0	0
WV1010581	001	2003 to 2004								
WV1010581	001	2004 to 2005	0.416666667	0.433333333	0.493333333	0.643333333	0.133333333	0.173333333	25.16666667	40.66666667
WV1010689	039	2003 to 2004								
WV1010689	039	2004 to 2005	1.18815	1.4362	0.204	0.265	0.0835	0.094	5.6	8.1
WV1010689	042	2003 to 2004	0.3555	0.407833333	0.1165	0.130833333	0.0455	0.055	3.65	4.666666667
WV1010689	042	2004 to 2005	0.674166667	1.07075	0.15875	0.220833333	0.059166667	0.08	6.166666667	8.916666667
WV1010689	043	2003 to 2004	0.318666667	0.906166667	0.223333333	0.295	0.025	0.03	10.5	14.5
WV1010689	043	2004 to 2005	0.605	0.678857143	0.356666667	0.478571429	0.181666667	0.134285714	8	8.571428571
WV1010689	044	2003 to 2004		0.4		0.09		0.022		4
WV1010689	044	2004 to 2005	0.09	0.211333333	0.135	0.168571429	0.02	0.025714286	4.5	6.142857143
WV1010735	001	2003 to 2004	0.283333333	0.414166667	0	0	0	0	5.895833333	0
WV1010735	001	2004 to 2005	0.249090909	0.380909091	0	0	0	0	0	0
WV1010778	001	2003 to 2004	0.350833333	0.458333333	0	0	0	0	0	0
WV1010778	001	2004 to 2005	0.496666667	0.693333333	0	0	0	0	0	0
WV1010778	002	2003 to 2004	0.313333333	0.400833333	0	0	0	0	0	0
WV1010778	002	2004 to 2005	0.38	0.476666667	0	0	0	0	0	0
WV1010778	009	2003 to 2004	0.194545455	0.232727273	0	0	0	0	0	0
WV1010778	009	2004 to 2005								
WV1010778	011	2003 to 2004	0.221666667	0.27	0	0	0.337083333	0.647916667	0	0
WV1010778	011	2004 to 2005	0.36	0.538571429	0	0	0.601428571	1.170714286	0	0
WV1010822	001	2003 to 2004	0.425555556	0.697777778	0	0	0	0	0	0
WV1010822	001	2004 to 2005	0.422	0.536	0	0	0	0	0	0
WV1010859	001	2003 to 2004	0.34	0.492727273	0.141818182	0.239090909	0.765454545	1.246363636	13.63636364	15.81818182
WV1010859	001	2004 to 2005	0.301666667	0.424166667	0.078333333	0.130833333	0.564166667	0.855416667	6.354166667	8.541666667
WV1010859	002	2003 to 2004	0.625714286	0.8	0.077142857	0.112857143	0.675714286	1.005714286	16.28571429	19.71428571
WV1010859	002	2004 to 2005	0.451818182	0.62	0.068181818	0.100416667	0.658181818	0.806666667	4.272727273	6.041666667
WV1010859	003	2003 to 2004	0.335833333	0.4475	0.1275	0.154166667	0.62	0.751666667	11.08333333	13.16666667
WV1010859	003	2004 to 2005	0.497272727	0.644166667	0.055454545	0.085	0.500833333	0.606666667	4.715909091	7.416666667
WV1010859	004	2003 to 2004	1.724285714	4.167142857	0.158571429	0.371428571	2.857142857	7.622857143	6.714285714	8.571428571
WV1010859	004	2004 to 2005	0.365714286	0.48375	0.065	0.080625	0.558571429	0.600625	5.178571429	6.6875
WV1010913	001	2003 to 2004	0.06	0.06	0.1	0.1	0.55	0.55	7	7
WV1010913	001	2004 to 2005	0	0	0.06	0.06	0.05	0.05	0	0

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1010921	001	2003 to 2004	0.435	0.580833333	0.156666667	0.225833333	0.030833333	0.045	7.166666667	9.166666667
WV1010921	001	2004 to 2005	0.320833333	0.431666667	0.191666667	0.283333333	0.030833333	0.039166667	10.08333333	13.83333333
WV1010921	003	2003 to 2004	0.500833333	0.705833333	0.256666667	0.4025	0.056666667	0.0725	9.166666667	13.5
WV1010921	003	2004 to 2005	0.370833333	0.5975	0.234166667	0.429166667	0.0475	0.054166667	12.16666667	19.66666667
WV1010921	010	2003 to 2004	0.37	0.37	0.27	0.27	0.03	0.03	4	4
WV1010921	010	2004 to 2005	0.02	0.02	1.32	1.32	0.01	0.01	4	4
WV1010921	011	2003 to 2004	0.25	0.25	0.36	0.36	0.06	0.06	10	10
WV1010921	011	2004 to 2005	0.47	0.47	0.25	0.25	0.02	0.02	4	4
WV1010921	013	2003 to 2004	0.55	0.55	0.38	0.38	0.27	0.27	20	20
WV1010921	013	2004 to 2005	0.33	0.33	0.16	0.16	0.02	0.02	4	4
WV1010921	014	2003 to 2004								
WV1010921	014	2004 to 2005	0.04	0.04	0.52	0.52	0.07	0.07	4	4
WV1010921	015	2003 to 2004								
WV1010921	015	2004 to 2005	0.235	0.235	0.12	0.12	0.02	0.02	4	4
WV1010921	016	2003 to 2004								
WV1010921	016	2004 to 2005	0.4	0.4	0.185	0.185	0.055	0.055	4	4
WV1010921	018	2003 to 2004								
WV1010921	018	2004 to 2005	0.39	0.39	0.12	0.12	0.01	0.01	4	4
WV1010921	021	2003 to 2004	0.5	0.5	0.13	0.13	0.01	0.01	4	4
WV1010921	021	2004 to 2005								
WV1010921	022	2003 to 2004	0.45	0.45	0.44	0.44	0.175	0.175	4	4
WV1010921	022	2004 to 2005	0.2	0.2	0.18	0.18	0.18	0.18	4	4
WV1010921	023	2003 to 2004	0.62	0.665	0.255	0.33	0.255	0.41	6.5	8
WV1010921	023	2004 to 2005								
WV1010921	027	2003 to 2004	0.669166667	0.975833333	0.57	0.963333333	0.198333333	0.325	29.25	41.33333333
WV1010921	027	2004 to 2005	0.225	0.354	0.119	0.149	0.036	0.045	16.7	21
WV1010921	029	2003 to 2004								
WV1010921	029	2004 to 2005	0.47	0.47	0.09	0.09	0.01	0.01	4	4
WV1010921	031	2003 to 2004	0.425	0.603333333	0.156666667	0.255	0.148333333	0.239166667	13.33333333	18.5
WV1010921	031	2004 to 2005	0.278333333	0.433333333	0.116666667	0.185	0.131666667	0.239166667	15.33333333	21.16666667
WV1010921	033	2003 to 2004								
WV1010921	033	2004 to 2005	0.39	0.39	0.22	0.22	0.02	0.02	4	4
WV1010921	034	2003 to 2004	0.35	0.35	0.5	0.5	0.11	0.11	8	8
WV1010921	034	2004 to 2005	0.5	0.5	0.23	0.23	0.01	0.01	4	4
WV1010921	035	2003 to 2004	0.6	0.6	0.21	0.21	0.02	0.02	4	4



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1010921	035	2004 to 2005	0.355	0.355	0.215	0.215	0.01	0.01	4	4
WV1010921	036	2003 to 2004	0.44	0.44	0.1	0.1	0.01	0.01	4	4
WV1010921	036	2004 to 2005	0.62	0.62	0.14	0.14	0.01	0.01	4	4
WV1010921	039	2003 to 2004	0.48	0.48	0.31	0.31	0.03	0.03	4	4
WV1010921	039	2004 to 2005	0.54	0.54	0.21	0.21	0.01	0.01	4	4
WV1010921	042	2003 to 2004								
WV1010921	042	2004 to 2005	0.35	0.35	0.13	0.13	0.01	0.01	4	4
WV1010921	043	2003 to 2004	0.62	0.62	0.16	0.16	0.03	0.03	4	4
WV1010921	043	2004 to 2005	0.38	0.38	0.09	0.09	0.01	0.01	4	4
WV1010921	044	2003 to 2004	0.36	0.36	0.07	0.07	0.01	0.01	4	4
WV1010921	044	2004 to 2005	0.305	0.305	0.125	0.125	0.02	0.02	4	4
WV1010921	045	2003 to 2004								
WV1010921	045	2004 to 2005	0.52	0.52	0.1	0.1	0.01	0.01	4	4
WV1010921	046	2003 to 2004	0.57	0.6	0.32	0.39	0.03	0.03	4	4
WV1010921	046	2004 to 2005	0.368	0.388	0.208	0.27	0.016	0.016	6.4	8.8
WV1010921	047	2003 to 2004	0.475	0.535	0.435	0.71	0.07	0.08	14.5	15
WV1010921	047	2004 to 2005	0.436666667	0.576666667	0.256666667	0.383333333	0.013333333	0.013333333	13.33333333	27.33333333
WV1010921	048	2003 to 2004	0.35	0.47	0.25	0.3	0.07	0.11	5	6
WV1010921	048	2004 to 2005	0.02	0.02	0.09	0.09	0.01	0.01	4	4
WV1010921	049	2003 to 2004	0.383333333	0.383333333	0.173333333	0.173333333	0.076666667	0.076666667	6	6
WV1010921	049	2004 to 2005	0.283333333	0.31	0.17	0.21	0.03	0.043333333	13.33333333	15.33333333
WV1010930	020	2003 to 2004								
WV1010930	020	2004 to 2005	0.271428571	0.334285714	0.042857143	0.05	0.415714286	0.542857143	3.214285714	3.428571429
WV1010930	022	2003 to 2004	0.328333333	0.390833333	0.111666667	0.1275	23.4525	26.275	3.291666667	3.5
WV1010930	022	2004 to 2005	0.3275	0.378333333	0.105	0.125	17.16833333	18.65	3.375	3.75
WV1010948	003	2003 to 2004	0.3025	0.436666667	0.205	0.328333333			5.333333333	6.666666667
WV1010948	003	2004 to 2005	0.329166667	0.474166667	0.200833333	0.274166667	0.0425	0.0475	7.583333333	11
WV1010948	004	2003 to 2004	0.282222222	0.375555556	0.225555556	0.278888889			4	4
WV1010948	004	2004 to 2005	0.339166667	0.5275	0.175	0.23	0.04875	0.05625	4.833333333	5.5
WV1010972	001	2003 to 2004								
WV1010972	001	2004 to 2005	0.58	0.6	0	0	0	0	14.5625	0
WV1011031	001	2003 to 2004	0.533333333	0.666666667	0.255	0.44	0.02	0.02	7.5	13
WV1011031	001	2004 to 2005								
WV1011031	002	2003 to 2004	0.4625	0.483333333	0.17125	0.198333333	0.02	0.02	4.375	5.333333333
WV1011031	002	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1011031	003	2003 to 2004		0.4		0.13		0.025		3
WV1011031	003	2004 to 2005								
WV1011031	005	2003 to 2004	0.4	0.4	0.175	0.12	0.02	0.023333333	3	2.333333333
WV1011031	005	2004 to 2005								
WV1011031	006	2003 to 2004	0.4	0.4	0.08	0.064	0.06	0.036	1	1.2
WV1011031	006	2004 to 2005								
WV1011031	007	2003 to 2004	0.4	0.4	0.095	0.123333333	0.02	0.02	3.666666667	6.333333333
WV1011031	007	2004 to 2005								
WV1011057	001	2003 to 2004	0.4	0.4	0.3	0.3	0.0275	0.026666667	14.5	15.33333333
WV1011057	001	2004 to 2005	0.4125	0.45	0.6	0.735	0.035	0.036666667	27.875	30.33333333
WV1011111	001	2003 to 2004	0.04	0.04	0.1	0.1	0.02	0.02	0	0
WV1011111	001	2004 to 2005	0.16	0.16	0.17	0.17	0.03	0.03	0	0
WV1011111	002	2003 to 2004	0.314	0.314	0.484	0.484	0.043	0.043	34.075	34.075
WV1011111	002	2004 to 2005	0.36	0.36	0.38	0.38	0.04	0.04	22	22
WV1011111	003	2003 to 2004	0.450454545	0.7155	1.035454545	1.744590909	0.083181818	0.114590909	101.6590909	173.7955
WV1011111	003	2004 to 2005	0.218	0.304	0.216	0.245	0.111	0.137	18.55	21.6
WV1011111	004	2003 to 2004	0.099537037	0.158888889	0.136944444	0.201111111	0.012777778	0.019444444	5.375	9.902777778
WV1011111	004	2004 to 2005	0.116666667	0.17	0.208333333	0.29	0.015	0.02	11.08333333	17.16666667
WV1011111	005	2003 to 2004	0.408333333	0.408333333	0.701666667	0.701666667	0.035833333	0.035833333	19.02083333	19.02083333
WV1011111	005	2004 to 2005								
WV1011111	006	2003 to 2004	0.10625	0.10625	0.255	0.255	0.0425	0.0425	1.5625	1.5625
WV1011111	006	2004 to 2005	0.045	0.05	0.055	0.07	0.03	0.04	0	0
WV1011111	009	2003 to 2004	0.49125	0.714166667	0.354166667	0.514166667	0.051041667	0.077083333	12.45833333	18.78125
WV1011111	009	2004 to 2005	0.32975	0.434	0.144	0.215	0.02575	0.042	10.025	13
WV1011111	012	2003 to 2004	0.00875	0.0125	0.01125	0.0175	0.01375	0.0225	1.6875	3
WV1011111	012	2004 to 2005								
WV1011111	013	2003 to 2004	0.02125	0.02125	0.08125	0.08125	0.03375	0.03375	3.1875	3.1875
WV1011111	013	2004 to 2005	0.006	0.006	0.026	0.026	0.012	0.012	1.2	1.2
WV1011111	017	2003 to 2004	0.0275	0.037	0.013	0.016	0.0065	0.009	2.225	2.625
WV1011111	017	2004 to 2005								
WV1011120	001	2003 to 2004	0.3325	0.525	0.169166667	0.213333333	0.046666667	0.073333333	8.833333333	17.5
WV1011120	001	2004 to 2005	0.374166667	0.539166667	0.148333333	0.186666667	0.028333333	0.035	5.166666667	6.166666667
WV1011120	005	2003 to 2004								
WV1011120	005	2004 to 2005	0.02	0.02	0.08	0.08	0.01	0.01	10	10
WV1011120	008	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1011120	008	2004 to 2005	0.31	0.459090909	0.089090909	0.102727273	0.03	0.039090909	8.272727273	10
WV1011120	010	2003 to 2004	0.354166667	0.470833333	0.095833333	0.145833333	0.075833333	0.093333333	13.58333333	16.5
WV1011120	010	2004 to 2005	0.364545455	0.513636364	0.131818182	0.166363636	0.265454545	0.344545455	14.36363636	17.09090909
WV1011120	012	2003 to 2004	0.293333333	0.41	0.1425	0.223333333	0.0525	0.083333333	5.833333333	7.166666667
WV1011120	012	2004 to 2005	0.249166667	0.375	0.070833333	0.0975	0.028333333	0.035833333	7.416666667	10.33333333
WV1011138	001	2003 to 2004	0.129090909	0.172727273	0.073636364	0.092727273	0.030909091	0.040909091	6.909090909	9.363636364
WV1011138	001	2004 to 2005	0.14	0.180833333	0.149166667	0.219166667	0.031666667	0.043333333	7.916666667	10.08333333
WV1011138	DIC	2003 to 2004	0.07	0.09	0.07	0.08	0.01	0.01		
WV1011138	DIC	2004 to 2005								
WV1011138	UIC	2003 to 2004	0.09	0.12	0.07	0.09	0.01	0.01		
WV1011138	UIC	2004 to 2005								
WV1011146	002	2003 to 2004								
WV1011146	002	2004 to 2005	0.255	0.3325	0.08625	0.10625	0.0275	0.0375	4.625	5
WV1011146	003	2003 to 2004								
WV1011146	003	2004 to 2005	0.20375	0.255	0.06625	0.0775	0.02625	0.02625	6.5	9
WV1011154	001	2003 to 2004	0.010625	0.017083333	0.006041667	0.007916667	0.060208333	0.109166667	4.640625	7.75
WV1011154	001	2004 to 2005	0.015416667	0.020833333	0.028541667	0.052916667	0.148333333	0.27875	6.083333333	10.5
WV1011154	002	2003 to 2004	0.015	0.0225	0.005625	0.007083333	0.062291667	0.115833333	3.213541667	5.114583333
WV1011154	002	2004 to 2005	0.018333333	0.031666667	0.015069442	0.034583333	0.109097223	0.211666667	11.625	19.58333333
WV1011154	003	2003 to 2004	0.074791667	0.098333333	0.964166667	1.165833333	11.75625	13.105	4.208333333	6.9375
WV1011154	003	2004 to 2005	0.055208333	0.077916667	0.560625	0.7175	7.136666667	7.754166667	3.354166667	4.833333333
WV1011154	012	2003 to 2004	0.070833333	0.0925	0.127083333	0.166666667	0.599166667	0.749166667	5.270833333	7.21875
WV1011154	012	2004 to 2005	0.035833333	0.060416667	0.045208333	0.079166667	0.33875	0.6325	1.520833333	2.458333333
WV1011162	001	2003 to 2004	0.126666667	0.1725	0.384583333	0.495	0.33625	0.421666667	5.875	8.208333333
WV1011162	001	2004 to 2005	0.363333333	0.565	0.573333333	0.843333333	0.525833333	0.7675	6.520833333	9.416666667
WV1011162	002	2003 to 2004	0.128636364	0.170909091	0.935909091	1.252727273	0.323636364	0.451818182	9.25	13.72727273
WV1011162	002	2004 to 2005	0.215	0.3275	0.83	1.1275	0.425	0.5725	6.541666667	9.541666667
WV1011162	003	2003 to 2004	0.12	0.148333333	1.0875	1.188333333	0.121666667	0.148333333	6.333333333	7.25
WV1011162	003	2004 to 2005	0.19	0.26	1.2925	1.3975	0.1525	0.1625	3.3125	4.125
WV1011162	005	2003 to 2004	0.114166667	0.155	0.265416667	0.359166667	0.065833333	0.085833333	5.9375	9.083333333
WV1011162	005	2004 to 2005	0.193333333	0.241666667	0.263333333	0.315	0.1875	0.2775	6.520833333	10.83333333
WV1011162	006	2003 to 2004	0.144166667	0.215	0.255833333	0.336666667	0.249583333	0.299166667	6.604166667	10.58333333
WV1011162	006	2004 to 2005	0.213333333	0.310833333	0.235	0.316666667	0.313333333	0.4	6.104166667	9.75
WV1011235	001	2003 to 2004		0.06		0.09		0		1
WV1011235	001	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1011235	003	2003 to 2004	0.434	0.588333333	0.472	0.625	0.041	0.054166667	3.6	5.333333333
WV1011235	003	2004 to 2005	1.44	1.44	2.59	2.59	0.15	0.15	14.5	14.5
WV1011235	004	2003 to 2004	0.489	0.733	0.529	0.731	0.097	0.116	4.5	7.1
WV1011235	004	2004 to 2005	0.08	0.08	0.42	0.42	0.05	0.05	2	2
WV1011235	005	2003 to 2004	1.01	0.926	1.3	1.14	0.1425	0.23	8	7.6
WV1011235	005	2004 to 2005	0.696666667	0.696666667	1.086666667	1.086666667	0.08	0.08	19.33333333	19.33333333
WV1011243	001	2003 to 2004	0.252916667	0.301666667	0.710416667	0.975	0.191666667	0.236666667	10.33333333	14.25
WV1011243	001	2004 to 2005	0.353333333	0.443333333	0.647777778	0.774444444	0.084444444	0.121111111	12.97222222	17.33333333
WV1011243	002	2003 to 2004	0.205416667	0.263333333	0.73125	1.03	0.174583333	0.218333333	10.45833333	12.83333333
WV1011243	002	2004 to 2005	0.381111111	0.497777778	0.746666667	0.838888889	0.116666667	0.157777778	8.75	11.22222222
WV1011286	015	2003 to 2004	0.195	0.236666667	0.20625	0.235833333	0.215416667	0.306666667	6.083333333	8.333333333
WV1011286	015	2004 to 2005	0.125	0.165	0.15	0.206666667	0.16125	0.2125	6.333333333	9.75
WV1011286	016	2003 to 2004	0.18125	0.21	0.195833333	0.271666667	0.112083333	0.158333333	9	13.58333333
WV1011286	016	2004 to 2005	0.114166667	0.159166667	0.1525	0.2075	0.098333333	0.120833333	5.166666667	7.5
WV1011316	003	2003 to 2004	0.871388889	0.98	0.229	0.319888889	1.643166667	2.149888889	7.722222222	9.444444444
WV1011316	003	2004 to 2005	0.255458333	0.317083333	0.282458333	0.34275	3.143458333	4.670666667	7.273833333	10.21429167
WV1011316	004	2003 to 2004	0.777888889	0.832333333	0.542777778	0.575	1.364555556	1.413	6.833333333	7.111111111
WV1011316	004	2004 to 2005	0.233958333	0.245416667	0.474291667	0.564833333	1.233125	1.446416667	7.0655	7.84525
WV1011359	001	2003 to 2004			0.34	0.34	0.14	0.14	8	8
WV1011359	001	2004 to 2005								
WV1011359	002	2003 to 2004	0.11	0.11	0.35	0.35	0.21	0.21	14	14
WV1011359	002	2004 to 2005	0.25	0.25	0.196666667	0.196666667	0.09	0.09	10	10
WV1011375	001	2003 to 2004	1.033142857	1.096	0.711	0.730857143	0.502642857	0.507	20	21
WV1011375	001	2004 to 2005	0.353116667	0.344116667	1.337	1.337	0.851166667	0.849333333	24.66666667	24.66666667
WV1011375	GW-1	2003 to 2004								
WV1011375	GW-1	2004 to 2005	0.144666667	0.154333333	0.186166667	0.196166667	0.620333333	0.634	7.369083333	8.428583333
WV1011448	002	2003 to 2004	0.02	0.02	0.32	0.32	0.12	0.12	2	2
WV1011448	002	2004 to 2005								
WV1011456	001	2003 to 2004	0.2275	0.275	0.7875	1.028333333	0.119166667	0.1325	3.083333333	4.416666667
WV1011456	001	2004 to 2005	0.241818182	0.303636364	0.516363636	0.659090909	0.159090909	0.190909091	2	2.181818182
WV1011456	002	2003 to 2004	0.186666667	0.243333333	0.5175	0.750833333	0.246666667	0.280833333	2.333333333	3.166666667
WV1011456	002	2004 to 2005	0.155	0.201666667	0.2025	0.276666667	0.193333333	0.22	1.833333333	2.166666667
WV1011456	G-10	2003 to 2004	0.165	0.165	1.6325	1.6325	0.085	0.085		
WV1011456	G-10	2004 to 2005	0.19	0.0825	1.01	1.25	0.16	0.0975		
WV1011456	G-14	2003 to 2004	42.59	42.59	374.05	374.05	2.3225	2.3225		

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1011456	G-14	2004 to 2005	50.95	47.825	398.5	488.55	2.21	2.895		
WV1011456	G-5	2003 to 2004	0.245	0.245	12.7825	12.7825	0.395	0.395		
WV1011456	G-5	2004 to 2005	0.49	0.24	13.63	17.1925	0.27	0.3475		
WV1011456	G-7	2003 to 2004	0.1875	0.1875	3.6875	3.6875	0.1975	0.1975		
WV1011456	G-7	2004 to 2005	0.28	0.115	8.14	5.13	0.28	0.4875		
WV1011545	001	2003 to 2004	0.12375	0.2075	0.180555556	0.274444444	0.167777778	0.253333333	74.66666667	143.1111111
WV1011545	001	2004 to 2005	0.090333333	0.155	0.145	0.218333333	0.093333333	0.118333333	8	10.75
WV1011570	001	2003 to 2004	0.490308333	0.899333333	0.4025875	0.55075	0.327516667	0.451333333	5.375	7.833333333
WV1011570	001	2004 to 2005	0.183166667	0.239583333	0.349541667	0.44925	0.278125	0.361166667	7.333333333	9.166666667
WV1011570	004	2003 to 2004	0.103279167	0.134058333	0.436216667	0.528	0.757758333	0.847933333	8.880833333	13.33333333
WV1011570	004	2004 to 2005	0.2125	0.278666667	0.428916667	0.542166667	0.57925	0.647083333	13.16666667	18.75
WV1011596	001	2003 to 2004	0.133783333	0.203316667	0.289616667	0.40675	0.5435	0.664833333	6.339166667	9
WV1011596	001	2004 to 2005	0.210166667	0.277833333	0.220791667	0.350375	0.345208333	0.454	6.945	10.42833333
WV1011596	002	2003 to 2004	0.06	0.06	0.23	0.23	0.06	0.06	3	3
WV1011596	002	2004 to 2005								
WV1011596	003	2003 to 2004								
WV1011596	003	2004 to 2005	0.23	0.23	0.1	0.1	0.021	0.021	4.52	4.52
WV1011596	004	2003 to 2004	0.29425	0.38175	0.6315	0.70775	0.344	0.36175	9.875	10.25
WV1011596	004	2004 to 2005	0.285714286	0.317142857	0.558571429	0.598571429	0.284285714	0.298571429	9.5	10.14285714
WV1011596	GW-6	2003 to 2004			21.522875	21.522875	2.16925	2.16925		
WV1011596	GW-6	2004 to 2005								
WV1011626	003	2003 to 2004	0.031	0.031	0.09415	0.09415	0.0221	0.0221	1	1
WV1011626	003	2004 to 2005	0.137	0.137	0.051333333	0.051333333	0.026333333	0.026333333	3.333333333	3.333333333
WV1011634	001	2003 to 2004	0.0718125	0.118625	0.2115625	0.275	0.9179375	1.20525	3.8125	4.75
WV1011634	001	2004 to 2005	0.365442857	0.402864286	0.240142857	0.290428571	0.475857143	0.587285714	9.234714286	12.65307143
WV1011634	GW-2	2003 to 2004	0.03125	0.0875	1.55025	1.6115	0.063	0.0755		
WV1011634	GW-2	2004 to 2005	0.088275	0.0531375	0.80725	0.80725	0.0355	0.03275	3.5715	2.78575
WV1011642	001	2003 to 2004	0.2575	0.314166667	0.32	0.444166667	0.584166667	0.9325	7.333333333	11.25
WV1011642	001	2004 to 2005	0.361111111	0.533333333	1.02	1.576666667	0.692222222	0.886666667	15.68888889	22.97777778
WV1011651	001	2003 to 2004	0.130833333	0.130833333	0.354916667	0.354916667	0.084333333	0.084333333	5.416666667	5.416666667
WV1011651	001	2004 to 2005								
WV1011651	002	2003 to 2004	0.090083333	0.129333333	0.229441667	0.3313	0.06975	0.10375	8.375	13.08333333
WV1011651	002	2004 to 2005	0.169388889	0.232111111	0.1885	0.233666667	0.096333333	0.099888889	14.99777778	17.10888889
WV1011693	001	2003 to 2004	0.2	0.2	0.18	0.18	0.06	0.06	1	1
WV1011693	001	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1011693	004	2003 to 2004	0.05375	0.08875	0.17125	0.316875	0.039375	0.065	2.3125	3.4375
WV1011693	004	2004 to 2005	0.113333333	0.128333333	0.206666667	0.131666667	0.021666667	0.021666667	2.916666667	3
WV1011715	001	2003 to 2004	0.128291667	0.194916667	0.234375	0.291	0.099375	0.119583333	12.58333333	16.25
WV1011715	001	2004 to 2005	0.168363636	0.178181818	0.205836364	0.238168182	0.078727273	0.101090909	19.86363636	23.27272727
WV1011715	003	2003 to 2004	0.141916667	0.210416667	0.538227273	0.631583333	0.269541667	0.317083333	12.79166667	18
WV1011715	003	2004 to 2005	0.193863636	0.220363636	0.592090909	0.722272727	0.212136364	0.260545455	22.31818182	24.81818182
WV1011715	006	2003 to 2004								
WV1011715	006	2004 to 2005	0.242	0.2815	0.21875	0.28725	0.20625	0.2595	5.946125	6.642875
WV1011723	001	2003 to 2004	0.110433333	0.1675	0.225045833	0.277258333	0.071683333	0.087866667	12.58333333	16.16666667
WV1011723	001	2004 to 2005	0.1578	0.1926	0.3038	0.3871	0.06015	0.0842	12.30715	16.1
WV1011731	001	2003 to 2004	0.255916667	0.348833333	0.293083333	0.444333333	0.2345	0.272	4	6.166666667
WV1011731	001	2004 to 2005	0.4509	0.6288	0.2348	0.3746	0.419625	0.49775	8.3423	12
WV1011731	002	2003 to 2004	0.797052286	1.276714286	0.467185714	0.784285714	0.235342857	0.338285714	7.414285714	12.14285714
WV1011731	002	2004 to 2005	0.569833333	0.78	0.222783333	0.336666667	0.4006	0.5278	8.451666667	12.5
WV1011731	003	2003 to 2004	0.088590909	0.123181818	0.190045455	0.268272727	0.039272727	0.050818182	3.227272727	4.818181818
WV1011731	003	2004 to 2005	0.277214286	0.283714286	0.122621429	0.134428571	0.057285714	0.059142857	13.92857143	15
WV1011740	001	2003 to 2004								
WV1011740	001	2004 to 2005	0.314	0.314	0.228	0.228	0.011	0.011	9.0715	8.28575
WV1011740	002	2003 to 2004								
WV1011740	002	2004 to 2005	0.383	0.383	0.251	0.251	0.079	0.079	29	29
WV1011740	003	2003 to 2004	0.119428571	0.135857143	0.377785714	0.395			8.642857143	10.71428571
WV1011740	003	2004 to 2005	0.206	0.221333333	0.257666667	0.296	0.034833333	0.054333333	16.76191667	20.5
WV1011740	004	2003 to 2004	0.194642857	0.246285714	0.412357143	0.495			5.5	6.571428571
WV1011740	004	2004 to 2005	0.264875	0.26825	0.24675	0.24975	0.1845	0.256333333	16	16.5
WV1011791	001	2003 to 2004	0.111666667	0.153333333	0.210625	0.335833333	0.200833333	0.236666667	11.55729167	19.27083333
WV1011791	001	2004 to 2005	0.1	0.142583333	0.128333333	0.150916667	0.0875	0.095916667	3.916666667	6.91675
WV1011791	002	2003 to 2004	0.1575	0.17375	0.305	0.3825	0.103333333	0.129583333	18.07291667	24.14583333
WV1011791	002	2004 to 2005	0.166666667	0.192777778	0.300555556	0.337222222	0.126111111	0.133888889	18.75	22.77777778
WV1011821	001	2003 to 2004	0.226666667	0.268333333	1.25875	1.444166667			4.833333333	5.75
WV1011821	001	2004 to 2005	0.32	0.373333333	0.969166667	1.055833333	0.344166667	0.3825	7.416666667	9.833333333
WV1011821	DTWB-2	2003 to 2004	0.55	0.963333333	0.163333333	0.17	0.05	0.05	3	3
WV1011821	DTWB-2	2004 to 2005	0.316666667	0.44	0.47	0.614166667	0.074166667	0.095	3.833333333	3.833333333
WV1011839	001	2003 to 2004								
WV1011839	001	2004 to 2005	0.635	0.828333333	0.653333333	0.871666667	0.538333333	0.63	19.5	24.58333333
WV1011855	001	2003 to 2004	0.4675	0.578333333	0.46	0.600833333	0.25	0.305833333	8.583333333	12.83333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1011855	001	2004 to 2005	0.260833333	0.306666667	0.220833333	0.26	0.116666667	0.160833333	4.333333333	5.5
WV1011910	001	2003 to 2004								
WV1011910	001	2004 to 2005	0.665	1.269	0.353	0.621	0.023	0.031	5.25	7.8
WV1011936	001	2003 to 2004	0.327708333	0.565833333	0.423583333	0.642166667	0.027708333	0.039166667	23.92708333	42.16666667
WV1011936	001	2004 to 2005	0.183333333	0.238375	0.180625	0.240041667	0.022291667	0.027541667	8.25	14.458375
WV1011961	001	2003 to 2004	0.310416667	0.358333333	0.41125	0.466666667	0.065	0.07	4.479166667	5.333333333
WV1011961	001	2004 to 2005	0.30625	0.393333333	0.583333333	0.68	0.310833333	0.3925	5.291666667	6.916666667
WV1011961	008	2003 to 2004	0.195	0.2125	0.02875	0.02875	0.05	0.05	2.625	2.625
WV1011961	008	2004 to 2005	0.192222222	0.192222222	0.208888889	0.208888889	0.416666667	0.416666667	3.111111111	3.111111111
WV1011995	001	2003 to 2004	0.140083333	0.171666667	0.1525	0.22	0.078333333	0.095833333	2.9	3.4
WV1011995	001	2004 to 2005	0.211666667	0.255833333	0.077916667	0.094166667	0.065454545	0.072727273	3.166666667	3.333333333
WV1012029	001	2003 to 2004	0.056363636	0.066363636	0.062272727	0.070909091	0.007727273	0.008181818	2.011363636	2.659090909
WV1012029	001	2004 to 2005	0.045	0.055	0.05	0.055	0	0.0075	2.125	3.5
WV1012029	002	2003 to 2004	0.175	0.235	0.5175	0.58	0.04625	0.055	13	17
WV1012029	002	2004 to 2005	0.09	0.09	0.13	0.13	0.02	0.02	0	0
WV1012126	001	2003 to 2004	0.27	0.27	0.98	0.98			10.33333333	10.33333333
WV1012126	001	2004 to 2005	0.3325	0.415	0.645	1.0425	1.605	3.18	3	3
WV1012193	008	2003 to 2004		0	0.123333333	0.15		0	3.125	3.25
WV1012193	008	2004 to 2005			0.116666667	0.1475			3.083333333	3.166666667
WV1012193	014	2003 to 2004		0	0.1675	0.215		0	3.125	3.25
WV1012193	014	2004 to 2005			0.208333333	0.275833333			3.375	3.75
WV1012207	001	2003 to 2004	1.566666667	1.916666667	0.3775	0.48	0.4775	0.548571429	9	8.714285714
WV1012207	001	2004 to 2005				0.17				
WV1012258	001	2003 to 2004	0.44375	0.477777778	0.523888889	0.596	0.124444444	0.143	5.75	6.444444444
WV1012258	001	2004 to 2005		0.4		0.12		0.02		2
WV1012398	001	2003 to 2004					0.1	0.19		
WV1012398	001	2004 to 2005					0.135	0.135		
WV1012401	003	2003 to 2004			0.071666667	0.128333333	0.4225	0.468333333	0	0
WV1012401	003	2004 to 2005			0	0	0.09	0.09	0	0
WV1012401	004	2003 to 2004	0.275416667	0.338333333	0.062291667	0.088333333	1.495	1.870833333	10.36458333	15.04166667
WV1012401	004	2004 to 2005	0.084166667	0.108333333	0.014583333	0.019583333	1.32	1.609166667	7.729166667	10.25
WV1012401	007	2003 to 2004	0.342916667	0.459166667	0.148958333	0.23	5.129583333	5.7325	9.588541667	15.52083333
WV1012401	007	2004 to 2005	0.094166667	0.123333333	0.139583333	0.253333333	0.648333333	0.751666667	2.729166667	4.083333333
WV1012401	008	2003 to 2004	0.401875	0.741666667	0.736666667	1.320833333	0.692083333	0.798333333	14.80208333	26.15625
WV1012401	008	2004 to 2005	0.112045455	0.148181818	0.141818182	0.184545455	0.476818182	0.55	2.727272727	4.863636364

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1012401	009	2003 to 2004			0.34125	0.3825	0.3425	0.355	10.5625	14.25
WV1012401	009	2004 to 2005			0.34625	0.3575	0.485	0.535	2.1875	2.875
WV1012452	001	2003 to 2004	0.30375	0.31375	0.1875	0.19375	0.075	0.075	3	3
WV1012452	001	2004 to 2005	0.2825	0.305	0.135	0.1425	0.0675	0.0675	3	3
WV1012452	002	2003 to 2004	0.218181818	0.229090909	0.123636364	0.129090909	0.059090909	0.060909091	3.363636364	3.363636364
WV1012452	002	2004 to 2005	0.226	0.263	0.205	0.316	0.036	0.043	4.35	5.6
WV1012452	003	2003 to 2004	0.238888889	0.248888889	0.163333333	0.184444444	0.05	0.05	4.722222222	4.777777778
WV1012452	003	2004 to 2005	0.28	0.316	0.158	0.176	0.036	0.038	5	5.8
WV1012452	004	2003 to 2004	0.16	0.16	0.17	0.17	0.05	0.05	3	3
WV1012452	004	2004 to 2005								
WV1012452	006	2003 to 2004	0.2325	0.2375	0.156666667	0.17	0.0425	0.0425	1.25	1.25
WV1012452	006	2004 to 2005	0.1875	0.1875	0.1075	0.1075	0.0425	0.0425	3	3
WV1012452	009	2003 to 2004	0.176666667	0.215	0.0875	0.126666667	0.064166667	0.075	3.041666667	3.083333333
WV1012452	009	2004 to 2005	0.433333333	0.5575	0.209166667	0.333333333	0.6075	0.858333333	23.20833333	42.91666667
WV1012452	011	2003 to 2004	0.316666667	0.406666667	0.244166667	0.284166667	0.403333333	0.440833333	6.333333333	7.25
WV1012452	011	2004 to 2005	0.206666667	0.229166667	0.204166667	0.2275	0.358333333	0.388333333	3.083333333	3.166666667
WV1012452	012	2003 to 2004	0.315	0.39	0.280833333	0.388333333	0.071666667	0.085	3.166666667	3.333333333
WV1012452	012	2004 to 2005	0.3	0.346666667	0.184166667	0.225	0.049166667	0.059166667	3.583333333	4.083333333
WV1012452	014	2003 to 2004	0.201666667	0.255833333	0.1975	0.225833333	0.094166667	0.1075	3	3
WV1012452	014	2004 to 2005	0.2825	0.341666667	0.2725	0.335833333	0.075833333	0.085833333	3.041666667	3.083333333
WV1012452	015	2003 to 2004	0.188333333	0.238333333	0.105	0.13	0.051666667	0.0525	3.333333333	3.666666667
WV1012452	015	2004 to 2005	0.199166667	0.233333333	0.075	0.085	0.026666667	0.03	3	3
WV1012452	021	2003 to 2004	0.203	0.243	0.257	0.323	0.093	0.108	3	3
WV1012452	021	2004 to 2005	0.213	0.239	0.136	0.153	0.069	0.076	3	3
WV1012461	001	2003 to 2004								
WV1012461	001	2004 to 2005	0.2	0.2	0.17	0.17	0.07	0.07	14	14
WV1012461	002	2003 to 2004	0.108333333	0.1525	0.24875	0.360833333	0.0725	0.114166667	16.375	24.91666667
WV1012461	002	2004 to 2005	0.288333333	0.351666667	0.251666667	0.293333333	0.163333333	0.180833333	7.979166667	12
WV1012461	005	2003 to 2004	0.148333333	0.200833333	0.2725	0.411666667	0.170833333	0.294166667	8.3125	11.5
WV1012461	005	2004 to 2005	0.286	0.339	0.237	0.272	0.293	0.376	5.875	8.55
WV1012461	017	2003 to 2004	0.11875	0.146666667	0.216666667	0.3075	0.065	0.104166667	11.25	15.75
WV1012461	017	2004 to 2005	0.210833333	0.235	0.254166667	0.301666667	0.106666667	0.116666667	8.208333333	10.58333333
WV1012461	024	2003 to 2004	0.118333333	0.173333333	0.264583333	0.394166667	0.115833333	0.154166667	9.625	15.66666667
WV1012461	024	2004 to 2005	0.195833333	0.294166667	0.2675	0.316666667	0.1225	0.179166667	8.791666667	11.75
WV1012461	027	2003 to 2004	0.143333333	0.1975	0.233333333	0.330833333	0.09375	0.11	8.020833333	10.33333333



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1012461	027	2004 to 2005	0.229166667	0.33	0.259166667	0.3	0.093333333	0.1275	5.5625	6.75
WV1012461	028	2003 to 2004	0.15625	0.2125	0.198333333	0.265	0.114166667	0.1525	9.104166667	14.33333333
WV1012461	028	2004 to 2005	0.34	0.441666667	0.314166667	0.350833333	0.106666667	0.124166667	6.104166667	8.541666667
WV1012487	005	2003 to 2004	0.228333333	0.3875	0.185	0.230833333	0.23	0.286666667	5.390625	8.020833333
WV1012487	005	2004 to 2005	0.076458333	0.0925	0.188333333	0.2275	0.182916667	0.24	3.270833333	5.166666667
WV1012487	006	2003 to 2004	0.088125	0.108333333	0.151875	0.191666667	0.161666667	0.188333333	5.96875	10.02083333
WV1012487	006	2004 to 2005	0.063125	0.080416667	0.054583333	0.080833333	0.124375	0.196666667	1.916666667	2.875
WV1012487	027	2003 to 2004	0.1725	0.204166667	0.249166667	0.325833333	0.654166667	0.778333333	9.578125	16.64583333
WV1012487	027	2004 to 2005	0.139791667	0.184583333	0.228125	0.325	0.411666667	0.461666667	4.770833333	7.75
WV1012487	030	2003 to 2004	0.053333333	0.07	0.045833333	0.063333333	0.225	0.333333333	3.5625	5.375
WV1012487	030	2004 to 2005	0.07	0.099583333	0.104375	0.144166667	0.186458333	0.255833333	1.916666667	3
WV1012487	075	2003 to 2004	0.43075	0.506	0.34175	0.518	21.70625	25	4.725	7.6125
WV1012487	075	2004 to 2005								
WV1012487	076	2003 to 2004	0.061818182	0.080909091	0.031590909	0.045454545	0.267	0.442	7.113636364	11.73863636
WV1012487	076	2004 to 2005	0.1175	0.18375	0.039166667	0.068333333	0.035625	0.054583333	3.375	4.708333333
WV1012487	078	2003 to 2004	0.132954545	0.198181818	0.141136364	0.255454545	1.94	3.08	10.05681818	17.75
WV1012487	078	2004 to 2005	0.107166667	0.171666667	0.120708333	0.21225	0.049791667	0.077083333	4.1875	5.958333333
WV1012487	082	2003 to 2004								
WV1012487	082	2004 to 2005	0.1	0.1	0.04	0.04	0.01	0.01	4	4
WV1012487	083	2003 to 2004	0.093863636	0.126363636	0.0875	0.150454545	0.074	0.124	7.471590909	11.40909091
WV1012487	083	2004 to 2005	0.055625	0.074583333	0.021875	0.034166667	0.008541667	0.0125	2.645833333	3.625
WV1012487	122	2003 to 2004	1.832777778	3.36	2.852777778	5.286666667	4.99	7.948	25.51388889	42.375
WV1012487	122	2004 to 2005	0.415833333	0.6425	0.5325	0.870833333	2.043333333	3.223333333	5.270833333	8.333333333
WV1012487	201	2003 to 2004	0.093181818	0.115454545	0.062727273	0.098181818	0.034	0.05	3.994318182	5.954545455
WV1012487	201	2004 to 2005	0.077666667	0.100416667	0.052708333	0.083333333	0.027083333	0.04375	2.729166667	4.541666667
WV1012487	202	2003 to 2004	0.144772727	0.184545455	0.688636364	0.861818182	0.393	0.446	12.63068182	17.70454545
WV1012487	202	2004 to 2005	0.155208333	0.204583333	0.569166667	0.699166667	0.265	0.315	4.354166667	6.583333333
WV1012550	003	2003 to 2004	0.0635	0.0635	0.22025	0.22025	0.14725	0.14725	2.75	2.75
WV1012550	003	2004 to 2005								
WV1012550	007	2003 to 2004	0.06	0.06	1.4612	1.4612	1.782	1.782	3	3
WV1012550	007	2004 to 2005								
WV1012584	001	2003 to 2004	0.076363636	0.109090909	0.320454545	0.358181818	0.172954545	0.204545455	1.784090909	2.443181818
WV1012584	001	2004 to 2005	0.067083333	0.1025	0.385833333	0.455	0.255	0.308333333	1.916666667	3
WV1012592	008	2003 to 2004	0.196	0.198333333	0.086666667	0.103333333	0.0675	0.074166667	3.083333333	3.166666667
WV1012592	008	2004 to 2005	0.184166667	0.215	0.075833333	0.095	0.075	0.0825	3	3

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1012631	004	2003 to 2004			0.15	0.1975	2.71	3.185	48	92.5
WV1012631	004	2004 to 2005								
WV1012746	001	2003 to 2004	0.188636364	0.265909091	0.187272727	0.23	0.041	0.045	4.388888889	6.555555556
WV1012746	001	2004 to 2005	0.162	0.2	0.092	0.116	0.022	0.024	3.8	4
WV1012878	007	2003 to 2004	0.06	0.06	0.055	0.055	0.191	0.191	4	4
WV1012878	007	2004 to 2005								
WV1012886	001	2003 to 2004	0.358541667	0.461666667	0.025625	0.04375	1.072916667	1.374166667	13.70833333	15.92708333
WV1012886	001	2004 to 2005	0.482878791	0.713636364	0.027878788	0.044545455	2.946439364	3.374545455	8.522727273	12.22731818
WV1012886	002	2003 to 2004	0.1975	0.273636364	0.285681818	0.462727273	0.340454545	0.507272727	10.76136364	17.80681818
WV1012886	002	2004 to 2005	0.10175	0.142	0.1055	0.13	0.5905	0.8485	1.95	2.8
WV1012886	008	2003 to 2004	0.09	0.1	0.265	0.365	1.235	1.775	1.625	3
WV1012886	008	2004 to 2005	0.075	0.076666667	0.305	0.306666667	0.461666667	0.49	4.083333333	4.666666667
WV1012886	013	2003 to 2004	2.061388892	2.721666667	0.275	0.395833333	3.610138917	4.4325	25.82291667	39.83333333
WV1012886	013	2004 to 2005	0.27625	0.367916667	0.065416667	0.083333333	0.636041667	0.834166667	3.9375	6.833333333
WV1012886	019	2003 to 2004	1.045416667	1.1925	0.0625	0.104166667	3.197916667	3.871666667	20.28645833	25.91666667
WV1012886	019	2004 to 2005	0.2375	0.254583333	0.014583333	0.019583333	0.64	0.706666667	3.541666667	5.416666667
WV1012932	001	2003 to 2004	0.254333333	0.394	0.943444444	1.443333333	0.486444444	0.673888889	11.75	21.16666667
WV1012932	001	2004 to 2005	0.080916667	0.10175	0.426166667	0.660833333	0.297083333	0.544	4.458333333	6.416666667
WV1012975	002	2003 to 2004								
WV1012975	002	2004 to 2005	0.32	0.52	0.23	0.38	0.09	0.12	4.5	6
WV1012975	006	2003 to 2004	0.26	0.26	0.14	0.14	0.05	0.05	3	3
WV1012975	006	2004 to 2005								
WV1012975	019	2003 to 2004	1.165	1.165	0.235	0.235	0.51	0.51	3	3
WV1012975	019	2004 to 2005	1.35	1.35	0.19	0.19	1.09	1.09	3	3
WV1013009	001	2003 to 2004	0.355	0.355	0.1625	0.1625	1.295	1.295	11	11
WV1013009	001	2004 to 2005								
WV1013009	003	2003 to 2004	0.892222222	1.162222222	0.09	0.141111111	8.693333333	11.1	23.55555556	30
WV1013009	003	2004 to 2005	0.908333333	1.355	0.048333333	0.0775	16.89083333	28.41333333	7.520833333	10
WV1013009	004	2003 to 2004	0.41	0.53	0.195	0.26625	1.225714286	1.682857143	15.25	20.25
WV1013009	004	2004 to 2005	0.444444444	0.672222222	0.092777778	0.128333333	1.565	2.749444444	4.194444444	6.611111111
WV1013009	006	2003 to 2004	0.336666667	0.421666667	0.155	0.193333333	0.705	0.878333333	5.75	7
WV1013009	006	2004 to 2005	0.266666667	0.344166667	0.07125	0.100416667	0.460833333	0.638333333	2.5625	3.375
WV1013076	001	2003 to 2004	0.817	1.234	0.3675	0.429	1.939285714	2.12	8.15	9.8
WV1013076	001	2004 to 2005	0.559166667	0.764083333	1.081666667	1.265	3.04	3.1	6.875	9.166666667
WV1013076	002	2003 to 2004	0.4	0.4	0.41	0.516	1.727	1.95	6.7	9.9

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013076	002	2004 to 2005	0.336318182	0.346583333	0.431818182	0.470833333	1.224545455	1.361666667	3.954545455	4.833333333
WV1013076	003	2003 to 2004	0.477777778	0.54	1.003888889	1.454	1.73	2.116	9.166666667	13.7
WV1013076	003	2004 to 2005	0.351318182	0.390083333	1.182272727	1.4375	1.778090909	2.068333333	5.909090909	7.083333333
WV1013076	011	2003 to 2004	0.4	0.4	0.31	0.346666667	0.67	0.466666667	13	9
WV1013076	011	2004 to 2005								
WV1013076	012	2003 to 2004	0.45	0.4375	1.02	0.6075	35.46333333	36.66125	19.33333333	13.5
WV1013076	012	2004 to 2005	1.268545455	1.4045	1.852727273	2.2075	50.78727273	55.235	22.72727273	30.83333333
WV1013076	016	2003 to 2004		0.6		0.67		0.53		30
WV1013076	016	2004 to 2005								
WV1013076	017	2003 to 2004		0.533333333		0.12		0.436666667		29.33333333
WV1013076	017	2004 to 2005								
WV1013076	018	2003 to 2004								
WV1013076	018	2004 to 2005	0.670272727	0.754833333	0.139090909	0.168333333	15.80318182	16.65666667	11.45454545	14.91666667
WV1013076	019	2003 to 2004		0.7		0.78		0.03		29
WV1013076	019	2004 to 2005								
WV1013076	023	2003 to 2004	0.4	0.4	0.1995	0.255	0.8375	0.94	7.1	9.9
WV1013076	023	2004 to 2005	0.373666667	0.37775	0.342916667	0.393333333	0.715416667	0.791666667	7.5	10.58333333
WV1013076	026	2003 to 2004		0.6		0.65		2.79		70
WV1013076	026	2004 to 2005								
WV1013076	028	2003 to 2004	0.425	0.45	0.473	0.668	0.38	0.466	3.333333333	4.444444444
WV1013076	028	2004 to 2005	0.3974	0.437583333	0.4265	0.675833333	0.208	0.313333333	8.15	14.08333333
WV1013076	029	2003 to 2004		0.4		0.3		0.06		25
WV1013076	029	2004 to 2005								
WV1013076	030	2003 to 2004	0.44	0.48	0.3865	0.552	0.447	0.584	18.15	34.2
WV1013076	030	2004 to 2005	0.4208	0.47925	0.522	0.765	0.249	0.3475	12.65	20.25
WV1013076	031	2003 to 2004		0.4		0.16		0.23		5
WV1013076	031	2004 to 2005	0.6	0.406666667	1.38	0.946666667	0.55	0.416666667	43.5	33.66666667
WV1013076	032	2003 to 2004	0.5	0.6	0.896666667	1.353333333	0.3	0.497777778	14.38888889	23.66666667
WV1013076	032	2004 to 2005	0.399222222	0.4522	0.7	0.815	0.725	0.807	8.611111111	11.8
WV1013076	036	2003 to 2004	0.56	0.577777778	0.722	0.791111111	0.221	0.267777778	13.5	17
WV1013076	036	2004 to 2005	0.389444444	0.422272727	0.806111111	0.896363636	0.761666667	0.846363636	8.166666667	11.09090909
WV1013106	001	2003 to 2004	0.0575	0.078	0.051	0.071	0.0845	0.13	5.55	8.6
WV1013106	001	2004 to 2005								
WV1013106	002	2003 to 2004	0.0625	0.088	0.116	0.154	0.105	0.176	8.3125	13.475
WV1013106	002	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013106	035	2003 to 2004	0.1225	0.164	0.134	0.163	0.577	0.782	9.675	10.675
WV1013106	035	2004 to 2005								
WV1013114	001	2003 to 2004	0.68888889	0.91	0.68	1.061	3.005	3.871	18.7	31
WV1013114	001	2004 to 2005	0.2008125	0.2857	0.3325	0.459	2.233125	3.606	24.375	40.375
WV1013114	005	2003 to 2004		2.2		0.11		0.13		28
WV1013114	005	2004 to 2005								
WV1013149	DKC	2003 to 2004								
WV1013149	DKC	2004 to 2005	0.36125	0.49875	0.26375	0.3875	0.36125	0.5525		
WV1013149	UKC	2003 to 2004								
WV1013149	UKC	2004 to 2005	0.34222222	0.45	0.29111111	0.47	0.14777778	0.17777778		
WV1013173	001	2003 to 2004	0.14954545	0.21545454	0.29090909	0.42909090	0.51409090	0.55909090	22.625	42.090909
WV1013173	001	2004 to 2005	0.14541666	0.20416667	0.23375	0.32833333	0.40333333	0.47333333	16.64583333	32.75
WV1013173	002	2003 to 2004	0.45681818	0.83454545	0.44954545	0.73090909	0.16659090	0.25727272	290.965909	571.363636
WV1013173	002	2004 to 2005	0.10229166	0.12916667	0.178125	0.23583333	0.05395833	0.06916667	1.75041666	2.70833333
WV1013173	003	2003 to 2004	0.35	0.61090909	0.36977272	0.64909090	0.08590909	0.165	139.034090	271.897723
WV1013173	003	2004 to 2005	0.0925	0.12388889	0.10222222	0.14833333	0.015	0.01611111	2.13888889	3.61111111
WV1013203	001	2003 to 2004	0.78454545	1.30454545	0	0	0	0	0	0
WV1013203	001	2004 to 2005	0.62181818	1.00545454	0.26590909	0.50045454	0	0.27136363	0	0
WV1013203	006	2003 to 2004	0.56916667	0.75083333	1.58125	3.04833333	0	0	16.9375	32.125
WV1013203	006	2004 to 2005	0.35083333	0.46083333	0	0	0	0	0	0
WV1013203	007	2003 to 2004	0.58	1.16	4.05	8.1	80	80	80	160
WV1013203	007	2004 to 2005								
WV1013203	010	2003 to 2004	2.07	2.51	0	0	0	0	0	0
WV1013203	010	2004 to 2005								
WV1013203	017	2003 to 2004	0.28666667	0.33	0	0	0	0	0	0
WV1013203	017	2004 to 2005	0.685	0.95583333	0	0	0	0	0	0
WV1013203	021	2003 to 2004	0.34166667	0.41333333	0	0	0	0	0	0
WV1013203	021	2004 to 2005	0.62833333	1.0775	0	0	0	0	0	0
WV1013211	003	2003 to 2004	0.08472222	0.135	0.27	0.36	0.21277778	0.22777778	47.59027778	91.51388889
WV1013211	003	2004 to 2005	0.12527778	0.17277778	0.25111111	0.34944444	0.10444444	0.13611111	5.27777778	8.94444444
WV1013246	037	2003 to 2004	0.16	0.2575	0	0	0	0	12.8125	23.5
WV1013246	037	2004 to 2005								
WV1013246	038	2003 to 2004	0.656	1.208	0	0	0.742	1.218	11.1	21.7
WV1013246	038	2004 to 2005	0.43	0.85	0	0	0	0	0	0
WV1013246	048	2003 to 2004	0.494	0.926			0	0	0	0

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013246	048	2004 to 2005	0.33875	0.50875			0	0	0	0
WV1013271	001	2003 to 2004	0.03	0.03	0.08	0.08	0.03	0.03	10	10
WV1013271	001	2004 to 2005	0.03	0.03	0.07	0.07	0.0175	0.0175	3	3
WV1013271	002	2003 to 2004	0.03	0.03	0.056666667	0.056666667	0.01	0.01	3.5	4
WV1013271	002	2004 to 2005	0.041	0.053	0.075	0.085	0.025	0.034	4.011	5.433
WV1013271	003	2003 to 2004	0.03	0.03	0.07	0.07	0.01	0.01	4.175	5.35
WV1013271	003	2004 to 2005	0.03625	0.0425	0.11	0.135	0.0225	0.02875	3	3
WV1013271	004	2003 to 2004	0.114444444	0.138888889	0.226666667	0.324166667	0.033333333	0.038888889	5.110833333	6.278333333
WV1013271	004	2004 to 2005	0.064444444	0.082222222	0.097777778	0.117777778	0.014444444	0.02	4.276666667	5.258888889
WV1013271	007	2003 to 2004								
WV1013271	007	2004 to 2005	0.0675	0.0925	0.116666667	0.155	0.025	0.035833333	7.125	10.9725
WV1013271	013	2003 to 2004	0.108888889	0.141111111	0.251818182	0.394545455	0.125	0.19	4.137272727	5.184545455
WV1013271	013	2004 to 2005	0.073333333	0.093333333	0.084166667	0.093333333	0.173333333	0.188333333	4.5975	5.694166667
WV1013271	020	2003 to 2004	0.226666667	0.331111111	0.365833333	0.51	0.584	0.704	7.763333333	9.999166667
WV1013271	020	2004 to 2005	0.101666667	0.163333333	0.381666667	0.525833333	0.8725	1.020833333	4.335833333	4.916666667
WV1013271	021	2003 to 2004								
WV1013271	021	2004 to 2005	0.045454545	0.054545455	0.541818182	0.58	0.795454545	0.871818182	4.227272727	5.454545455
WV1013271	022	2003 to 2004	0.323333333	0.416666667	0.230909091	0.293636364	0.050909091	0.06	9.954545455	13.06181818
WV1013271	022	2004 to 2005	0.115	0.145	0.143333333	0.181666667	0.021666667	0.025	10.33333333	12.775
WV1013271	024	2003 to 2004	0.15	0.15	0.18	0.18	0.015	0.015	5.165	5.165
WV1013271	024	2004 to 2005	0.03	0.03	0.07	0.07	0.01	0.01	3	3
WV1013271	029	2003 to 2004								
WV1013271	029	2004 to 2005	0.04	0.04	0.16	0.16	0.03	0.03	5	5
WV1013271	032	2003 to 2004								
WV1013271	032	2004 to 2005	0.055	0.07	0.08	0.09	0.04	0.05	4.5	6
WV1013271	046	2003 to 2004	0.102222222	0.128888889	0.196666667	0.291666667	0.108888889	0.182222222	4.0975	5.139166667
WV1013271	046	2004 to 2005	0.034166667	0.0375	0.0875	0.104166667	0.049166667	0.060833333	3.111666667	3.2225
WV1013271	048	2003 to 2004								
WV1013271	048	2004 to 2005	0.033636364	0.037272727	0.072727273	0.080909091	0.020909091	0.025454545	3.742727273	3.969090909
WV1013271	049	2003 to 2004	1.403333333	1.915833333	0.57	0.700833333	0.090909091	0.114545455	25.66666667	33.385
WV1013271	049	2004 to 2005	0.343333333	0.505833333	0.395833333	0.463333333	0.144166667	0.235	16.055	19.33333333
WV1013271	050	2003 to 2004	0.36	0.5225	0.255833333	0.419166667	0.044166667	0.063333333	9.568333333	15.61083333
WV1013271	050	2004 to 2005	0.280909091	0.417272727	0.410909091	0.561818182	0.091818182	0.132727273	14.60454545	18.48272727
WV1013271	125	2003 to 2004	0.065714286	0.07	0.1	0.138333333	0.024285714	0.037142857	3.69	4.142857143
WV1013271	125	2004 to 2005	0.0325	0.035833333	0.07	0.07	0.016666667	0.021666667	3.305	3.610833333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013271	DSBJ	2003 to 2004	0.37375	0.4725	0.4475	0.615	0.165	0.19875		
WV1013271	DSBJ	2004 to 2005	0.12	0.139090909	0.210909091	0.242727273	0.137272727	0.156363636		
WV1013271	DSCF	2003 to 2004	0.16625	0.2025	0.1825	0.25125	0.45	0.565		
WV1013271	DSCF	2004 to 2005	0.070909091	0.089090909	0.078181818	0.085454545	0.125454545	0.15		
WV1013271	DSHF	2003 to 2004	0.3075	0.41125	0.37875	0.6	0.49875	0.625		
WV1013271	DSHF	2004 to 2005	0.186363636	0.24	0.11	0.146363636	0.368181818	0.434545455		
WV1013271	DSJC	2003 to 2004	0.18625	0.22375	0.1425	0.19875	0.045	0.06625		
WV1013271	DSJC	2004 to 2005	0.115454545	0.143636364	0.189090909	0.240909091	0.055454545	0.065454545		
WV1013271	DSLCL	2003 to 2004	0.36625	0.52875	0.355	0.50625	1.48125	1.80625		
WV1013271	DSLCL	2004 to 2005	0.368181818	0.513636364	0.120909091	0.147272727	1.553636364	2.189090909		
WV1013271	DSLFL	2003 to 2004	0.7575	1.30875	0.6475	1.1225	1.79125	2.265		
WV1013271	DSLFL	2004 to 2005	0.14	0.167272727	0.090909091	0.107272727	0.910909091	1.04		
WV1013271	DSLLE	2003 to 2004	0.1175	0.13375	0.16	0.255	0.07875	0.15		
WV1013271	DSLLE	2004 to 2005	0.120909091	0.171818182	0.259090909	0.361818182	0.077272727	0.097272727		
WV1013271	DSLTL	2003 to 2004	0.58125	0.64125	0.1	0.131428571	0.78	0.81375		
WV1013271	DSLTL	2004 to 2005	0.42875	0.48375	0.0925	0.0925	0.47625	0.5025		
WV1013271	DSRFCC	2003 to 2004	0.185	0.24125	0.095	0.12875	0.01625	0.02		
WV1013271	DSRFCC	2004 to 2005	0.05	0.065	0.09625	0.12	0.01375	0.01875		
WV1013271	DSWB	2003 to 2004	0.275	0.3475	0.185	0.2525	0.0375	0.0425		
WV1013271	DSWB	2004 to 2005	0.070909091	0.082727273	0.083636364	0.093636364	0.021818182	0.025454545		
WV1013271	USBJ	2003 to 2004	0.25	0.33125	0.27	0.45	0.13	0.23125		
WV1013271	USBJ	2004 to 2005	0.054545455	0.071818182	0.137272727	0.187272727	0.039090909	0.045454545		
WV1013271	USCF	2003 to 2004	0.385	0.445	0.1825	0.23875	1.75625	1.95875		
WV1013271	USCF	2004 to 2005	0.862	1.081	0.129	0.145	3.935	4.997		
WV1013271	USLFL	2003 to 2004	0.21125	0.2725	0.22375	0.31	0.05125	0.08625		
WV1013271	USLFL	2004 to 2005	0.072	0.088	0.117	0.134	0.041	0.049		
WV1013271	USLFFCC	2003 to 2004	0.7125	0.84875	0.0825	0.11875	0.6275	0.69875		
WV1013271	USLFFCC	2004 to 2005	2.261818182	3.568181818	0.074545455	0.08	2.632727273	3.909090909		
WV1013271	USRF	2003 to 2004	0.25625	0.3525	0.25125	0.36875	0.04375	0.06375		
WV1013271	USRF	2004 to 2005	0.130909091	0.182727273	0.190909091	0.24	0.068181818	0.112727273		
WV1013271	USRFCC	2003 to 2004	0.12375	0.14	0.085	0.1175	0.02125	0.02375		
WV1013271	USRFCC	2004 to 2005	0.03375	0.03375	0.07	0.07	0.01125	0.0125		
WV1013271	USSH	2003 to 2004	0.96375	1.05625	0.892857143	0.957142857	0.925	0.53625		
WV1013271	USSH	2004 to 2005	0.519090909	0.699090909	0.367272727	0.556363636	0.323636364	0.396363636		
WV1013271	USWB	2003 to 2004	0.49875	0.60125	0.24125	0.315	0.05625	0.0775		

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013271	USWB	2004 to 2005	0.096363636	0.121818182	0.104545455	0.119090909	0.04	0.05		
WV1013289	002	2003 to 2004	0.247	0.267	0.102	0.15	0.027	0.031	4.9	6.4
WV1013289	002	2004 to 2005	0.434	0.526	0.198	0.312	0.03	0.03	4.8	4.8
WV1013289	004	2003 to 2004	0.236666667	0.275555556	0.131111111	0.166666667	0.096666667	0.114444444	4.222222222	4.222222222
WV1013289	004	2004 to 2005	0.25	0.3125	0.1775	0.2725	0.025	0.0275	5	5
WV1013289	005	2003 to 2004	0.2	0.264285714	0.188571429	0.254285714	0.31	0.518571429	4.428571429	4.857142857
WV1013289	005	2004 to 2005	0.21	0.228	0.192	0.272	0.07	0.072	4.8	4.8
WV1013289	007	2003 to 2004	0.403333333	0.546666667	0.41	0.6175	0.12	0.17	6.75	9
WV1013289	007	2004 to 2005	0.376363636	0.510909091	0.212727273	0.257272727	0.108181818	0.146363636	5.454545455	6.181818182
WV1013301	001	2003 to 2004	0.161041667	0.223333333	0.105833333	0.1675	0.013958333	0.019166667	3.661458333	6.479166667
WV1013301	001	2004 to 2005	0.15375	0.2225	0.096875	0.158333333	0.012291667	0.02	2.916666667	4.041666667
WV1013301	002	2003 to 2004	0.029166667	0.039166667	0.060208333	0.0775	0.059166667	0.083333333	2.520833333	3.427083333
WV1013301	002	2004 to 2005	0.0345	0.0515	0.042	0.0625	0.03425	0.0465	1.225	1.8
WV1013301	003	2003 to 2004	0.086041667	0.127916667	0.121458333	0.180833333	0.029166667	0.041666667	8.484375	13.91666667
WV1013301	003	2004 to 2005	0.106041667	0.189166667	0.135416667	0.233333333	0.024375	0.033333333	5.125	9.416666667
WV1013301	005	2003 to 2004	0.026818182	0.034545455	0.025227273	0.032727273	0.007954545	0.009090909	1.965909091	1.965909091
WV1013301	005	2004 to 2005	0.015714286	0.022142857	0.012142857	0.019285714	0.006071429	0.007142857	1.035714286	1.285714286
WV1013301	006	2003 to 2004	0.068125	0.0925	0.073958333	0.111666667	0.01	0.013333333	7.739583333	11.38541667
WV1013301	006	2004 to 2005	0.026875	0.04	0.018541667	0.029166667	0.013125	0.0225	2.9375	4.666666667
WV1013301	007	2003 to 2004	0.042708333	0.059583333	0.038333333	0.054583333	0.0075	0.009166667	2.479166667	3.510416667
WV1013301	007	2004 to 2005	0.04125	0.062083333	0.033125	0.053333333	0.012291667	0.019166667	1.604166667	2.333333333
WV1013301	010	2003 to 2004	0.05125	0.073333333	0.046875	0.077916667	0.010208333	0.014166667	3.322916667	4.65625
WV1013301	010	2004 to 2005	0.023125	0.036666667	0.013333333	0.02125	0	0.00625	1.333333333	1.875
WV1013301	012	2003 to 2004	0.05125	0.078333333	0.059791667	0.105	0.01	0.014166667	3.447916667	4.979166667
WV1013301	012	2004 to 2005	0.024791667	0.042083333	0.018541667	0.031666667	0.007708333	0.011666667	0.958333333	1.416666667
WV1013301	013	2003 to 2004	0.049166667	0.064166667	0.054791667	0.082916667	0.014375	0.017083333	10.90104167	20.61458333
WV1013301	013	2004 to 2005	0.05875	0.064583333	0.081041667	0.089166667	0.0075	0.009166667	6.354166667	6.708333333
WV1013301	014	2003 to 2004	0.05	0.05	0.07	0.07	0	0	10	10
WV1013301	014	2004 to 2005	0.2325	0.26	0.3125	0.385	0.29	0.295	13	19.75
WV1013301	023	2003 to 2004	0.011666667	0.013333333	0.021666667	0.026666667	0.011666667	0.013333333	1.958333333	2.458333333
WV1013301	023	2004 to 2005								
WV1013301	030	2003 to 2004								
WV1013301	030	2004 to 2005	0.2475	0.38675	0.400833333	0.588416667	0.3625	0.38675	27.875	45.66675
WV1013301	032	2003 to 2004								
WV1013301	032	2004 to 2005	0.11	0.148	1.44	1.506	0.39	0.408	3.7	3.9

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013301	033	2003 to 2004	0.050416667	0.079583333	0.064375	0.110416667	0.01125	0.018333333	7.223958333	12.75
WV1013301	033	2004 to 2005	0.029375	0.0475	0.030416667	0.053333333	0.007291667	0.010833333	1.791666667	2.666666667
WV1013319	001	2003 to 2004	0.476666667	0.59	0.1525	0.205	0.051666667	0.0675	5.833333333	7.166666667
WV1013319	001	2004 to 2005	0.268333333	0.379166667	0.12	0.201666667	0.0275	0.031666667	9.666666667	14.66666667
WV1013319	002	2003 to 2004								
WV1013319	002	2004 to 2005	0.11	0.11	0.04	0.04	0.02	0.02	4	4
WV1013319	004	2003 to 2004	0.558333333	0.725833333	0.241666667	0.315833333	0.215833333	0.281666667	6.666666667	8.166666667
WV1013319	004	2004 to 2005	0.4975	0.670833333	0.185	0.250833333	0.180833333	0.24	12.33333333	16.5
WV1013319	005	2003 to 2004	0.41125	0.60625	0.1125	0.15875	0.0575	0.0825	4.5	4.75
WV1013319	005	2004 to 2005	0.285833333	0.415833333	0.09	0.130833333	0.021666667	0.0225	5.083333333	6.166666667
WV1013319	007	2003 to 2004								
WV1013319	007	2004 to 2005	5.23	9.94	0.75	1	0.246666667	0.286666667	57.33333333	88.66666667
WV1013327	003	2003 to 2004		0.4		0.18		0.02		4
WV1013327	003	2004 to 2005								
WV1013327	004	2003 to 2004		0.5		0.79		0.04		21
WV1013327	004	2004 to 2005								
WV1013327	005	2003 to 2004		0.4		0.27		0.02		7
WV1013327	005	2004 to 2005								
WV1013327	009	2003 to 2004								
WV1013327	009	2004 to 2005	0.4	0.4	0.21	0.195	0.07	0.07	2	2
WV1013343	001	2003 to 2004	0.4	0.4	0.299166667	0.365	0.07375	0.093333333	5.958333333	8.333333333
WV1013343	001	2004 to 2005	0.4	0.4	0.222916667	0.25	0.095833333	0.119166667	6.166666667	7.5
WV1013343	003	2003 to 2004	0.404166667	0.408333333	0.18125	0.273333333	0.04125	0.050833333	6.465416667	8.341666667
WV1013343	003	2004 to 2005	0.4	0.4	0.1645	0.190909091	0.0405	0.046363636	14.05	24.63636364
WV1013378	001	2003 to 2004	0.1028125	0.135	0.1465625	0.17125	0.0140625	0.018125	5.75	8.703125
WV1013378	001	2004 to 2005	0.116666667	0.17	0.208333333	0.29	0.015	0.02	11.08333333	17.16666667
WV1013378	005	2003 to 2004								
WV1013378	005	2004 to 2005	0.275	0.41	0.2975	0.59	0.76	0.82	5.5	10
WV1013378	007	2003 to 2004	0.11483333	0.17	0.031583333	0.0615	0.14008333	0.201	2.34375	3.7
WV1013378	007	2004 to 2005	0.180625	0.274166667	0.098125	0.144166667	0.154791667	0.207916667	1.354166667	1.833333333
WV1013378	013	2003 to 2004	0.284583333	0.541666667	0.35875	0.673333333	0.141041667	0.248333333	91.614625	181.1875
WV1013378	013	2004 to 2005	0.032916667	0.055	0.08125	0.14	0.0375	0.057916667	3.083333333	5.5
WV1013378	014	2003 to 2004	0.42125	0.54	0.553125	0.555	0.315	0.4725	125.796875	128
WV1013378	014	2004 to 2005								
WV1013378	015	2003 to 2004	0	0	0.11	0.11	0	0	4	4



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013378	015	2004 to 2005								
WV1013378	016	2003 to 2004	0.13	0.13	0.2	0.2	0	0	11	11
WV1013378	016	2004 to 2005								
WV1013378	017	2003 to 2004	0.075	0.075	0.11	0.11	0	0	3.6875	3.6875
WV1013378	017	2004 to 2005								
WV1013378	023	2003 to 2004	0.041363636	0.064090909	0.018409091	0.031818182	0.01	0.011818182	2.784090909	3.693181818
WV1013378	023	2004 to 2005	0.018125	0.027083333	0.007291667	0.00875	0.013333333	0.01875	1.479166667	2.416666667
WV1013378	024	2003 to 2004	0.09	0.175	0.055	0.105	0	0	5.958333333	9.791666667
WV1013378	024	2004 to 2005								
WV1013416	002	2003 to 2004								
WV1013416	002	2004 to 2005	0.11375	0.11375	0.08875	0.08875	0.04625	0.04625	4.25	4.25
WV1013416	003	2003 to 2004	0.186	0.186	0.06	0.06	0.01	0.01	18	18
WV1013416	003	2004 to 2005								
WV1013416	008	2003 to 2004	0.112222222	0.112222222	0.044	0.044	0.01	0.01	6.3	6.3
WV1013416	008	2004 to 2005	0.116666667	0.116666667	0.0525	0.0525	0.01	0.01	8.5	8.5
WV1013416	018	2003 to 2004	0.45	0.45	0.09	0.09	0.07	0.07	10.5	10.5
WV1013416	018	2004 to 2005	0.07	0.07	0.042857143	0.042857143	0.028571429	0.028571429	3.428571429	3.428571429
WV1013416	020	2003 to 2004								
WV1013416	020	2004 to 2005	0.12375	0.12375	0.09	0.09	0.04625	0.04625	4.75	4.75
WV1013424	003	2003 to 2004			0.225	0.326666667	0.126666667	0.223333333	9	12.83333333
WV1013424	003	2004 to 2005	0.1	0.1	0.142	0.226	0.19	0.352	11.4	18
WV1013424	007	2003 to 2004								
WV1013424	007	2004 to 2005			0.3	0.3	0.01	0.01	6	6
WV1013424	008	2003 to 2004			0.115	0.12	0.02	0.02	4.5	5
WV1013424	008	2004 to 2005			0.13	0.235	0.1	0.1	5.5	7
WV1013424	010	2003 to 2004			0.081428571	0.112857143	0.04	0.054285714	4.428571429	4.857142857
WV1013424	010	2004 to 2005	0.28	0.303333333	0.05	0.07	0.018333333	0.025	4	4
WV1013424	013	2003 to 2004			0.1025	0.160833333	0.065	0.1075	4.833333333	5.666666667
WV1013424	013	2004 to 2005	0.157777778	0.262222222	0.101666667	0.15	0.025	0.0375	4.583333333	5.166666667
WV1013424	014	2003 to 2004								
WV1013424	014	2004 to 2005	0.525	0.525	0.175	0.175	0.025	0.025	4	4
WV1013424	018	2003 to 2004								
WV1013424	018	2004 to 2005	0.2275	0.3475	0.0625	0.085	0.01	0.01	4.25	4.5
WV1013432	001	2003 to 2004	0.4975	0.795	0	0	0	0	0	0
WV1013432	001	2004 to 2005	0.38	0.51	0	0	0	0	0	0

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013441	001	2003 to 2004	0.07125	0.095	0.04	0.065	0.036875	0.052083333	6.260416667	9.145833333
WV1013441	001	2004 to 2005	0.065	0.084090909	0.045227273	0.074545455	0.039545455	0.055454545	3.431818182	5.545454545
WV1013441	002	2003 to 2004	0.083333333	0.106666667	0.296458333	0.5	0.153333333	0.235833333	4.322916667	6.708333333
WV1013441	002	2004 to 2005	0.077291667	0.107916667	0.09625	0.159583333	0.023125	0.035833333	6.1875	11.41666667
WV1013441	003	2003 to 2004	0.077916667	0.096666667	0.040416667	0.06	0.025833333	0.039166667	15.59895833	20.64583333
WV1013441	003	2004 to 2005	0.070208333	0.09125	0.039375	0.070416667	0.014791667	0.020416667	5.916666667	9.583333333
WV1013441	004	2003 to 2004	0.094166667	0.128333333	0.119166667	0.164166667	0.041666667	0.0575	11.50520833	16.29166667
WV1013441	004	2004 to 2005	0.05	0.073333333	0.072083333	0.117916667	0.031041667	0.040416667	2.208333333	3.041666667
WV1013441	005	2003 to 2004	0.115416667	0.141666667	0.12	0.163333333	0.304166667	0.419166667	12.46354167	21.34375
WV1013441	005	2004 to 2005	0.096875	0.124583333	0.113958333	0.17	0.11625	0.145833333	4.375	6.125
WV1013441	006	2003 to 2004	0.121363636	0.168181818	0.206590909	0.325454545	1.127272727	1.35	11.13636364	18.95454545
WV1013441	006	2004 to 2005	0.111458333	0.152083333	0.269166667	0.49	1.874791667	2.354166667	4	7.333333333
WV1013441	007	2003 to 2004	0.177727273	0.252727273	0.374545455	0.488181818	0.726363636	0.964545455	15.77840909	24.39772727
WV1013441	007	2004 to 2005	0.064791667	0.08375	0.195208333	0.238333333	0.86	0.9975	2.145833333	3.541666667
WV1013441	016	2003 to 2004	0.209166667	0.3025	0.183958333	0.2575	0.021458333	0.038333333	8.828125	11.45833333
WV1013441	016	2004 to 2005	0.096458333	0.125416667	0.074375	0.115	0.012083333	0.016666667	3.8125	6
WV1013441	017	2003 to 2004	0.079583333	0.099166667	0.025208333	0.040833333	0.051458333	0.074166667	8.072916667	12.0625
WV1013441	017	2004 to 2005	0.073541667	0.097083333	0.052916667	0.0925	0.03375	0.04875	6	9.416666667
WV1013441	019	2003 to 2004	0.055416667	0.072916667	0.075208333	0.1075	0.042708333	0.055	2.5625	3.59375
WV1013441	019	2004 to 2005	0.064772727	0.096818182	0.122272727	0.210909091	0.036136364	0.056363636	3.659090909	6.090909091
WV1013441	025	2003 to 2004	0.137916667	0.201666667	0.2025	0.295	0.039375	0.05125	8.119791667	12.08333333
WV1013441	025	2004 to 2005	0.049583333	0.06625	0.125208333	0.145833333	0.053958333	0.08375	1.854166667	2.625
WV1013441	080	2003 to 2004								
WV1013441	080	2004 to 2005	0.37	0.506666667	0.716666667	0.993333333	2.205	2.483333333	3.166666667	5.666666667
WV1013441	087	2003 to 2004								
WV1013441	087	2004 to 2005	0.039166667	0.06	0.080833333	0.106666667	1.328333333	1.45	3.166666667	5.833333333
WV1013441	088	2003 to 2004								
WV1013441	088	2004 to 2005	0.15	0.18	0.125833333	0.186666667	0.685	0.736666667	2.416666667	4
WV1013467	001	2003 to 2004	0.143636364	0.198181818	0.054545455	0.062727273	0.012727273	0.013636364	8.272727273	9.545454545
WV1013467	001	2004 to 2005	0.1175	0.155	0.069166667	0.090833333	0.016666667	0.021666667	6.75	8
WV1013475	002	2003 to 2004	0.057083333	0.07625	0.105416667	0.141666667	0.117291667	0.135833333	3.6875	5.03125
WV1013475	002	2004 to 2005	0.032916667	0.050833333	0.080208333	0.115833333	0.162916667	0.217083333	2.875	4.208333333
WV1013483	001	2003 to 2004	0.102083333	0.160833333	0.2375	0.38875	0.009791667	0.012916667	15.21354167	27.91666667
WV1013483	001	2004 to 2005	0.215416667	0.26	0.311666667	0.413333333	0.00875	0.012916667	24.75	39.08333333
WV1013483	003	2003 to 2004	0.285	0.29	0.375	0.376666667	0.020833333	0.023333333	33.83333333	37.66666667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013483	003	2004 to 2005								
WV1013483	007	2003 to 2004								
WV1013483	007	2004 to 2005			0.023	0.023	0.029	0.052	0.65	0.8
WV1013483	010	2003 to 2004								
WV1013483	010	2004 to 2005	0.098333333	0.1	0.346666667	0.35	0.013333333	0.013333333	2.25	2.833333333
WV1013505	001	2003 to 2004	0.2325	0.334166667	0.558333333	1.0725	0	0	0	0
WV1013505	001	2004 to 2005	0.325	0.435833333	0	0	0	0	0	0
WV1013505	005	2003 to 2004	1.374	2.68	0	0	0	0	10.5	20.2
WV1013505	005	2004 to 2005	0.288888889	0.403333333	0	0	0	0	0	0
WV1013505	011	2003 to 2004	0.484285714	0.9	0	0	0	0	0	0
WV1013505	011	2004 to 2005	0.32	0.466666667	0	0	0	0	0	0
WV1013505	019	2003 to 2004	0.493333333	0.799583333	0	0	0	0	6.604166667	0
WV1013505	019	2004 to 2005	0.1975	0.244583333	0	0	0	0	0	0
WV1013530	001	2003 to 2004								
WV1013530	001	2004 to 2005	0.87	0.87	0.89	0.89	0.05	0.05	4	4
WV1013530	013	2003 to 2004	0.534166667	0.699166667	0.145	0.211666667	0.078333333	0.109166667	5	6
WV1013530	013	2004 to 2005	0.265833333	0.3975	0.0575	0.085	0.028333333	0.0375	5.416666667	6.833333333
WV1013548	UPF	2003 to 2004	0.271428571	0.351428571	0.33	0.427142857	0.127142857	0.201428571		
WV1013548	UPF	2004 to 2005	0.095	0.149	0.208	0.285	0.051	0.076		
WV1013556	001	2003 to 2004	0.81875	1.50125	0	0	0	0	0	0
WV1013556	001	2004 to 2005	1.048571429	1.661428571	0	0	0	0	0	0
WV1013556	005	2003 to 2004								
WV1013556	005	2004 to 2005	0.453333333	1.046666667	0	0	0	0	0	0
WV1013556	009	2003 to 2004								
WV1013556	009	2004 to 2005	0.313333333	0.373333333	0	0	0	0	0	0
WV1013556	010	2003 to 2004	0.409166667	0.570833333	0	0	0	0	9.833333333	14.29166667
WV1013556	010	2004 to 2005	0.44375	0.58	0	0	0	0	11.8125	21.9375
WV1013556	014	2003 to 2004	0.87	1.73	0	0	0	0	0	0
WV1013556	014	2004 to 2005	0.295	0.59	0	0	0	0	0	0
WV1013556	016	2003 to 2004	0.305454545	0.387272727	0	0	0	0	0	0
WV1013556	016	2004 to 2005	0.462	0.564	0	0	0	0	0	0
WV1013581	001	2003 to 2004	0.16	0.16	0.39	0.39	0.35	0.35	4	4
WV1013581	001	2004 to 2005								
WV1013581	006	2003 to 2004	0.748181818	0.926363636	0.633636364	0.849090909	0.505454545	0.592727273	5.530909091	7.031818182
WV1013581	006	2004 to 2005	0.3575	0.461666667	0.334166667	0.423333333	0.32	0.384166667	4.416666667	5.6675

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013581	013	2003 to 2004	0.41	0.52	0.16	0.16	0.04	0.06	4.67	6.34
WV1013581	013	2004 to 2005								
WV1013581	035	2003 to 2004	0.149090909	0.199090909	0.23	0.321818182	0.269090909	0.373636364	4.964545455	7.164545455
WV1013581	035	2004 to 2005	0.143333333	0.24	0.249166667	0.409166667	0.173333333	0.223333333	3.1525	3.305833333
WV1013581	038	2003 to 2004	0.11125	0.1275	0.07875	0.10875	0.0175	0.025	3.145	3.29125
WV1013581	038	2004 to 2005	0.034	0.036	0.07	0.07	0.01	0.014	3.2	3.4
WV1013581	039	2003 to 2004	0.20625	0.26125	0.24875	0.31375	0.035	0.0425	4.8125	5.125
WV1013581	039	2004 to 2005	0.332	0.342	0.514	0.542	0.032	0.038	9.834	10.266
WV1013581	042	2003 to 2004	0.115454545	0.133636364	0.089090909	0.122727273	0.017272727	0.025454545	3.075454545	3.151818182
WV1013581	042	2004 to 2005	0.034545455	0.039090909	0.073636364	0.076363636	0.011818182	0.015454545	3.590909091	3.727272727
WV1013581	045	2003 to 2004	0.088	0.097	0.07	0.097	0.019	0.03	3.332	3.666
WV1013581	045	2004 to 2005	0.0425	0.055	0.075	0.08	0.0175	0.02	3.375	3.75
WV1013581	046	2003 to 2004	0.1125	0.13	0.0525	0.0625	0.0225	0.0425	3	3
WV1013581	046	2004 to 2005	0.05	0.05	0.07	0.07	0.01	0.01	3	3
WV1013581	049	2003 to 2004	0.152857143	0.241428571	0.272857143	0.441428571	0.015714286	0.024285714	4.62	6.238571429
WV1013581	049	2004 to 2005	0.051428571	0.064285714	0.08	0.088571429	0.014285714	0.015714286	3.428571429	3.857142857
WV1013581	066	2003 to 2004	0.733636364	0.945454545	0.462727273	0.686363636	0.121818182	0.155454545	9.274545455	10.36363636
WV1013581	066	2004 to 2005	0.265	0.425833333	0.1175	0.139166667	0.060833333	0.080833333	4.804166667	6.598333333
WV1013581	070	2003 to 2004	0.66	0.896363636	0.604545455	0.758181818	0.385454545	0.481818182	8.984545455	11.33454545
WV1013581	070	2004 to 2005	0.4925	0.746666667	0.405833333	0.48	0.284166667	0.39	7.805	9.805
WV1013599	001	2003 to 2004	0.330833333	0.436666667	0.123333333	0.193333333	0.06	0.096666667	5	6.166666667
WV1013599	001	2004 to 2005	0.235833333	0.3425	0.138333333	0.229166667	0.025833333	0.034166667	5.75	7.166666667
WV1013599	002	2003 to 2004	0.408333333	0.5175	0.1675	0.230833333	0.054166667	0.078333333	7	9.333333333
WV1013599	002	2004 to 2005	0.308333333	0.405833333	0.291666667	0.4	0.04	0.05	14.33333333	19.33333333
WV1013599	003	2003 to 2004	0.473333333	0.705833333	0.23	0.340833333	0.046666667	0.063333333	8.166666667	12
WV1013599	003	2004 to 2005	0.2525	0.340833333	0.23	0.368333333	0.0275	0.031666667	7.666666667	10.33333333
WV1013599	011	2003 to 2004								
WV1013599	011	2004 to 2005	0.63	0.63	0.5	0.5	0.11	0.11	8	8
WV1013599	012	2003 to 2004	0.58	0.675	0.235	0.285	0.03	0.0425	9	11
WV1013599	012	2004 to 2005	1.272	1.436	0.416	0.538	0.082	0.096	16	18
WV1013599	016	2003 to 2004								
WV1013599	016	2004 to 2005	0.03	0.03	0.05	0.05	0.01	0.01	4	4
WV1013599	026	2003 to 2004								
WV1013599	026	2004 to 2005	0.11	0.11	0.22	0.22	0.02	0.02	10	10
WV1013599	028	2003 to 2004	0.70375	1.03375	0.62875	1.00125	0.03875	0.05125	31.625	48.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013599	028	2004 to 2005	0.182857143	0.272857143	0.217142857	0.292857143	0.04	0.052857143	12.42857143	19.14285714
WV1013599	029	2003 to 2004	0.575	0.84	0.645	0.89	0.07	0.1	21	23
WV1013599	029	2004 to 2005								
WV1013637	001	2003 to 2004		0.4		0.09		0.06		5.25
WV1013637	001	2004 to 2005		0.4		0.21		0.095		2
WV1013653	001	2003 to 2004	0.426666667	0.536666667	0.076666667	0.093333333	1.183333333	1.603333333	7.666666667	13.33333333
WV1013653	001	2004 to 2005								
WV1013653	DDR-1	2003 to 2004	0.33	0.446666667	0.216666667	0.31	0.27	0.31		
WV1013653	DDR-1	2004 to 2005								
WV1013653	UDR2	2003 to 2004	0.353333333	0.516666667	0.213333333	0.27	0.193333333	0.21		
WV1013653	UDR2	2004 to 2005								
WV1013670	001	2003 to 2004	0.188333333	0.269666667	0.3915	0.589583333	0.4807875	0.743491667	13.125	20.41666667
WV1013670	001	2004 to 2005	0.18	0.277777778	0.35	0.51	0.528888889	0.842222222	15.94444444	22.55555556
WV1013670	002	2003 to 2004	0.281341667	0.424333333	0.787283333	1.086	0.333558333	0.473666667	19.04166667	25.41666667
WV1013670	002	2004 to 2005	0.435555556	0.681111111	0.75	1.066666667	0.339444444	0.464555556	28.72222222	39.66666667
WV1013670	003	2003 to 2004	0.112	0.146666667	0.1336125	0.173583333	0.1766375	0.227833333	6.708333333	9.583333333
WV1013670	003	2004 to 2005	0.107777778	0.133333333	0.175555556	0.23	0.243333333	0.331111111	4.086666667	5.046666667
WV1013670	004	2003 to 2004	0.115041667	0.16075	0.413170833	0.549841667	0.104616667	0.147333333	5.041666667	6.75
WV1013670	004	2004 to 2005	0.145555556	0.184444444	0.286666667	0.375555556	0.055333333	0.064777778	6.571111111	9
WV1013670	007	2003 to 2004	0.161166667	0.241333333	0.490033333	0.78815	0.163916667	0.308083333	14.75	20.33333333
WV1013670	007	2004 to 2005	0.198888889	0.286666667	0.343333333	0.552222222	0.068888889	0.108888889	22.55555556	33.44444444
WV1013688	001	2003 to 2004	0.1741375	0.315691667	0.502475	0.737841667	0.840708333	1.157983333	10.875	16.25
WV1013688	001	2004 to 2005	0.441227273	0.655909091	0.230727273	0.321909091	0.769818182	1.135636364	8.893636364	12.50545455
WV1013742	001	2003 to 2004	0.153571429	0.18	0.226428571	0.287142857	0.431428571	0.502857143	5.285714286	7.071428571
WV1013742	001	2004 to 2005	0.09	0.105	0.205	0.215	0.32	0.57	4.5	7.5
WV1013785	006	2003 to 2004	0.0985	0.188	0.3665	0.5034	0.466	0.6136	4.4	6.4
WV1013785	006	2004 to 2005	0.083833333	0.089833333	0.5315	0.649	0.5665	0.591666667	4.131	5.523833333
WV1013793	001	2003 to 2004	0.121333333	0.159666667	0.44	0.511	0.522444444	0.747777778	4.055555556	5.888888889
WV1013793	001	2004 to 2005	0.08625	0.101833333	0.270083333	0.336666667	0.1315	0.179916667	4.75	6.583333333
WV1013793	002	2003 to 2004	0.116777778	0.155333333	0.212444444	0.345	0.189888889	0.381444444	4.963	7.444444444
WV1013793	002	2004 to 2005	0.096416667	0.118166667	0.297333333	0.353333333	0.151833333	0.182083333	3.833333333	5.166666667
WV1013793	003	2003 to 2004	0.115777778	0.162777778	0.331222222	0.438111111	0.346555556	0.461444444	3.555555556	5.666666667
WV1013793	003	2004 to 2005	0.07625	0.085	0.246916667	0.301	0.105583333	0.141333333	4.75	5.416666667
WV1013815	002	2003 to 2004	0.155	0.225	0.1975	0.235	14.2025	14.765	11.125	19.5
WV1013815	002	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013815	008	2003 to 2004	0.8225	0.9	0.215	0.2225	11.995	13.84	11.3125	11.75
WV1013815	008	2004 to 2005								
WV1013815	022	2003 to 2004	0.1	0.1	0.19	0.34	0.325	0.545	5.5	7
WV1013815	022	2004 to 2005	0.149090909	0.22	0.196363636	0.223636364	0.134545455	0.180909091	4.25	6.181818182
WV1013815	023	2003 to 2004	0.07	0.09	0.17	0.28	0.205	0.355	11	13
WV1013815	023	2004 to 2005	0.159090909	0.206363636	0.234545455	0.294545455	0.791818182	1.103636364	6.931818182	9.818181818
WV1013815	025	2003 to 2004								
WV1013815	025	2004 to 2005	0.03	0.03	0.04	0.04	0.35	0.35	1.5	1.5
WV1013815	026	2003 to 2004								
WV1013815	026	2004 to 2005	0.278333333	0.295	0.368333333	0.373333333	0.435	0.48	12.29166667	13.41666667
WV1013831	001	2003 to 2004	0.536	0.746	0.616	0.876	1.006	1.154	16.7	22.6
WV1013831	001	2004 to 2005	1.802727273	2.433636364	1.37	1.716363636	1.018181818	1.327272727	19.68181818	26.18181818
WV1013831	003	2003 to 2004	1.640833333	2.008333333	0.196666667	0.316666667	0.871666667	1.416666667	8	11.33333333
WV1013831	003	2004 to 2005	1.533636364	1.903636364	0.46	0.681818182	0.641818182	0.897272727	10.70454545	12.59090909
WV1013840	001	2003 to 2004	0.081666667	0.13	0.083333333	0.128333333	0.778333333	0.825	6.333333333	8.666666667
WV1013840	001	2004 to 2005	0.149090909	0.199090909	0.215454545	0.277272727	0.651818182	0.787272727	9.477272727	13.36363636
WV1013840	007	2003 to 2004	0.095	0.146666667	0.108333333	0.163333333	0.250833333	0.313333333	8.25	11.5
WV1013840	007	2004 to 2005	0.17	0.218181818	0.147272727	0.168181818	0.152727273	0.24	5.5	6.818181818
WV1013840	009	2003 to 2004	0.23	0.326666667	0.339166667	0.438333333	1.460833333	1.906666667	6	8.333333333
WV1013840	009	2004 to 2005	0.3	0.404545455	0.377272727	0.504545455	0.961818182	1.433636364	6.227272727	9.272727273
WV1013840	010	2003 to 2004	0.141666667	0.175	0.11	0.161666667	1.278333333	1.685	7.166666667	10.16666667
WV1013840	010	2004 to 2005	0.299	0.398	0.446	0.705	0.987	1.16	6.925	9
WV1013840	011	2003 to 2004	0.275833333	0.315	1.820833333	2.641666667	1.351666667	1.686666667	17.08333333	20.66666667
WV1013840	011	2004 to 2005	0.581	0.82	1.445	1.796	1.563	1.98	18.225	24.8
WV1013840	044	2003 to 2004	0.67	0.743333333	0.616666667	0.633333333	1.18	1.486666667	9.333333333	9.666666667
WV1013840	044	2004 to 2005	0.355	0.52	2.38	3.155	1.5	1.5	13.125	17.5
WV1013858	014	2003 to 2004	0.105	0.086666667	0.255	0.26	0.105	0.086666667	1.5	1.333333333
WV1013858	014	2004 to 2005	0.07	0.07	0.2575	0.2575	0.0675	0.0675	1	1
WV1013858	DSHC	2003 to 2004								
WV1013858	DSHC	2004 to 2005	0.136666667	0.136666667	0.306666667	0.306666667	0.09	0.09		
WV1013858	USHC	2003 to 2004	0.03	0.1765	0.151	0.192	0.181	0.1255		
WV1013858	USHC	2004 to 2005	0.183333333	0.183333333	0.34	0.34	0.08	0.08		
WV1013858	WT-4	2003 to 2004	0.01	0.425	0.161	0.2905	0.117	0.0985		
WV1013858	WT-4	2004 to 2005	0.3	0.3	0.636666667	0.636666667	0.296666667	0.296666667		
WV1013866	001	2003 to 2004	0.41	0.555	0.51625	0.65	0.04875	0.075	19.875	27.25

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1013866	001	2004 to 2005	0.48	0.610909091	1.110909091	1.384545455	0.370909091	0.401818182	16.06818182	23.45454545
WV1013866	002	2003 to 2004	0.335833333	0.383333333	0.2	0.29	0.124166667	0.168333333	6.791666667	9.333333333
WV1013866	002	2004 to 2005	0.314545455	0.470909091	0.254545455	0.357272727	0.295454545	0.448181818	5	7
WV1013882	001	2003 to 2004	0.347142857	0.41	0.172142857	0.228571429	1.572857143	1.918571429	5.785714286	7
WV1013882	001	2004 to 2005	0.315	0.345	0.185	0.225	0.705	0.74	5.375	7
WV1013963	001	2003 to 2004	0.239090909	0.280909091	0.342727273	0.413636364	0.287272727	0.388181818	12	16.63636364
WV1013963	001	2004 to 2005	0.241818182	0.3	0.420909091	0.513636364	0.205454545	0.273636364	11	14.18181818
WV1013963	002	2003 to 2004	0.541818182	0.660909091	0.888181818	1.217272727	0.499090909	0.579090909	3.636363636	4.545454545
WV1013963	002	2004 to 2005	0.14625	0.1945	0.3225	0.34125	0.2325	0.26625	4.25	6.875
WV1014005	024	2003 to 2004	0.1025	0.155	0.154166667	0.191666667	0.815	1.046666667	7.458333333	11.16666667
WV1014005	024	2004 to 2005	0.277272727	0.398181818	0.352727273	0.557272727	0.780909091	0.940909091	7.636363636	10.18181818
WV1014005	029	2003 to 2004	0.116666667	0.138333333	0.123333333	0.151666667	0.943333333	0.968333333	15.58333333	18.5
WV1014005	029	2004 to 2005	0.196363636	0.235454545	0.121818182	0.148181818	0.726363636	0.910909091	15.34090909	22
WV1014005	035	2003 to 2004	0.148333333	0.175	0.104166667	0.115	0.77	0.871666667	6.083333333	8.166666667
WV1014005	035	2004 to 2005	0.189090909	0.255454545	0.161818182	0.238181818	0.602727273	0.781818182	6.5	10.13636364
WV1014021	001	2003 to 2004								
WV1014021	001	2004 to 2005	0.4	0.4	0.06	0.06	0.06	0.06	9	9
WV1014021	002	2003 to 2004	0.466666667	0.466666667	0.612222222	0.612222222	0.667777778	0.667777778	21.66666667	29.77777778
WV1014021	002	2004 to 2005	0.4	0.4	0.431428571	0.431428571	0.845714286	0.845714286	11.28571429	14
WV1014021	003	2003 to 2004	0.4	0.4	0.279090909	0.279090909	1.345454545	1.345454545	12.81818182	14.90909091
WV1014021	003	2004 to 2005	0.4	0.4	0.138181818	0.138181818	0.334545455	0.334545455	5.545454545	5.545454545
WV1014021	006	2003 to 2004	0.45	0.45	0.499	0.499	0.262	0.262	18	20.9
WV1014021	006	2004 to 2005	0.378333333	0.42	0.2425	0.2425	0.21	0.21	7.083333333	7.083333333
WV1014030	001	2003 to 2004								
WV1014030	001	2004 to 2005	0.2	0.2	0.73	0.73	2.93	2.93	17	17
WV1014030	006	2003 to 2004	0.290909091	0.343636364	0.35	0.422727273	0.609090909	0.797272727	4.727272727	7.454545455
WV1014030	006	2004 to 2005	0.554545455	0.84	0.590909091	0.845454545	0.353636364	0.382727273	7.454545455	9.727272727
WV1014048	002	2003 to 2004	0.079791667	0.148916667	0.218125	0.296666667	0.872458333	1.0255	7.791666667	11.58333333
WV1014048	002	2004 to 2005	0.149916667	0.191166667	0.158166667	0.2145	0.708458333	0.862583333	6.59525	7.964291667
WV1014048	004	2003 to 2004	0.109	0.20925	0.618958333	0.787666667	0.371625	0.43775	8.958333333	14.08333333
WV1014048	004	2004 to 2005	0.188625	0.243833333	0.394708333	0.4825	0.353125	0.427833333	7.22025	8.630958333
WV1014064	003	2003 to 2004	0.131428571	0.168571429	0.38	0.51	0.757857143	0.931428571	8.178571429	11.14285714
WV1014064	003	2004 to 2005	0.05	0.065	0.15	0.15	0.315	0.325	4.25	6.75
WV1014064	005	2003 to 2004	0.140714286	0.181428571	0.246428571	0.31	0.457142857	0.565714286	9.321428571	11.71428571
WV1014064	005	2004 to 2005	0.255	0.275	0.19	0.225	1.11	1.12	5	7.25

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1014099	001	2003 to 2004	0.28	0.470909091	0.530909091	0.804545455	0.275454545	0.409090909	5.181818182	8.545454545
WV1014099	001	2004 to 2005	0.42	0.491	0.664545455	0.884545455	0.430909091	0.549090909	6.148181818	8.330909091
WV1014099	002	2003 to 2004	0.31	0.62	0.28	0.56	0.44	0.88	5.5	11
WV1014099	002	2004 to 2005	0.563333333	1.146666667	0.486666667	0.963333333	1.326666667	2.253333333	10.33333333	20.66666667
WV1014099	003	2003 to 2004	1.0775	1.7025	0.9975	1.4425	0.645	1.1125	14.875	22.5
WV1014099	003	2004 to 2005	0.9575	1.625	0.77375	1.3075	0.1425	0.22875	10.9375	20.5
WV1014099	004	2003 to 2004								
WV1014099	004	2004 to 2005	1.045	1.92	0.985	1.315	0.855	1.79	16.25	29
WV1014129	013	2003 to 2004	0.119545455	0.142227273	0.292718182	0.310536364	0.076236364	0.1236	15.40909091	15.45454545
WV1014129	013	2004 to 2005	2.1724	2.1724	0.8208	0.8208	0.0618	0.0618	2.8	2.5
WV1014145	001	2003 to 2004	0.087166667	0.153555556	0.056722222	0.075555556	0.052816667	0.063	4.888888889	7.777777778
WV1014145	001	2004 to 2005	0.116727273	0.121727273	0.115318182	0.175090909	0.045954545	0.048727273	5.493545455	7.474045455
WV1014145	040	2003 to 2004	0.047416667	0.0815	0.108916667	0.165333333	0.087666667	0.147333333	5.916666667	8
WV1014145	040	2004 to 2005	0.1503	0.186	0.42035	0.5172	0.1864	0.2148	4.9286	6.45715
WV1014145	041	2003 to 2004								
WV1014145	041	2004 to 2005	0.195	0.195	0.451	0.451	0.08	0.08	3.143	0
WV1014145	050	2003 to 2004	0.057	0.104	0.23525	0.290333333	0.121833333	0.141833333	7.416666667	9.833333333
WV1014145	050	2004 to 2005	0.13155	0.153640909	0.165363636	0.220363636	0.059863636	0.072454545	12.31822727	21.74677273
WV1014145	058	2003 to 2004								
WV1014145	058	2004 to 2005	0.282	0.282	0.117	0.117	0.012	0.012	3	3
WV1014145	069	2003 to 2004								
WV1014145	069	2004 to 2005	0.19025	0.1975	0.07775	0.122	0.1745	0.185	3	0
WV1014145	072	2003 to 2004	0.100666667	0.181333333	0.117	0.157	0.037166667	0.060333333	4.333333333	7.333333333
WV1014145	072	2004 to 2005	0.129318182	0.141636364	0.141636364	0.197090909	0.052318182	0.064090909	8.168863636	11.29222727
WV1014145	087	2003 to 2004								
WV1014145	087	2004 to 2005	0.245	0.245	0.224	0.224	0.07	0.07	3	0
WV1014145	088	2003 to 2004								
WV1014145	088	2004 to 2005	0.411	0.411	0.428	0.428	0.024	0.024	13	13
WV1014145	089	2003 to 2004								
WV1014145	089	2004 to 2005	0.16875	0.177	0.03675	0.058	0.007	0.01025	3	0
WV1014145	094	2003 to 2004								
WV1014145	094	2004 to 2005	0.334	0.334	0.188	0.188	0.1	0.1	3	0
WV1014145	096	2003 to 2004								
WV1014145	096	2004 to 2005	1.0865	1.134	0.6735	0.715	4.6355	4.844	4.5	6
WV1014145	097	2003 to 2004								



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1014145	097	2004 to 2005	0.502	0.502	0.49	0.49	0.075	0.075	35	35
WV1014145	098	2003 to 2004	0.051416667	0.082833333	0.102666667	0.121166667	0.063666667	0.090166667	6.5	8
WV1014145	098	2004 to 2005	0.172090909	0.193181818	0.219409091	0.351181818	0.387727273	0.425090909	4.714318182	5.415590909
WV1014145	100	2003 to 2004								
WV1014145	100	2004 to 2005	3.004	3.089	0.4265	0.664	6.2285	6.47	6.5	10
WV1014145	105	2003 to 2004								
WV1014145	105	2004 to 2005	0.1945	0.204	0.05325	0.07	0.0515	0.071	4.25	5.5
WV1014145	117	2003 to 2004	0.047833333	0.075666667	0.086666667	0.116166667	0.019666667	0.029666667	4.59525	6
WV1014145	117	2004 to 2005	0.120095455	0.126277273	0.119122727	0.166	0.030386364	0.038022727	4.539	5.746772727
WV1014145	150	2003 to 2004								
WV1014145	150	2004 to 2005	0.216	0.218666667	0.3905	0.397	0.383333333	0.386	4.5	5
WV1014145	DUTER-2	2003 to 2004								
WV1014145	DUTER-2	2004 to 2005								
WV1014145	UAR-7	2003 to 2004	0.01	0.01	0.056	0.058666667	0.0075	0.009		
WV1014145	UAR-7	2004 to 2005								
WV1014188	001	2003 to 2004	0.124125	0.17875	0.536383333	0.650833333	0.411304167	0.503583333	15.625	21.66666667
WV1014188	001	2004 to 2005	0.176125	0.22625	0.328375	0.417083333	0.321458333	0.361916667	10.67858333	16.33333333
WV1014188	002	2003 to 2004	0.384433333	0.56345	1.174704167	1.377083333	0.1064125	0.128666667	31.16666667	37.5
WV1014188	002	2004 to 2005	0.351291667	0.446833333	0.876416667	1.0235	0.119083333	0.1405	21.08333333	27.66666667
WV1014188	003	2003 to 2004	0.099875	0.13925	0.614	0.65025	0.022625	0.0235	28.375	29.5
WV1014188	003	2004 to 2005	0.313045455	0.403818182	0.448545455	0.529818182	0.014590909	0.011045455	19.09090909	22.54545455
WV1014196	001	2003 to 2004	0.358	0.45	16.74	17.6	13	13.98	20	28.8
WV1014196	001	2004 to 2005	0.17125	0.23625	4.42625	5.91	6.032857143	6.767142857	14.25	19.375
WV1014226	001	2003 to 2004	0.095227273	0.131818182	0.450454545	0.552727273	1.111363636	1.233636364	4.102272727	5.852272727
WV1014226	001	2004 to 2005	0.034375	0.051666667	0.27875	0.336666667	1.196666667	1.328333333	2.458333333	3.916666667
WV1014226	006	2003 to 2004	0.0725	0.101818182	0.25	0.359090909	0.301818182	0.370909091	3.369318182	4.727272727
WV1014226	006	2004 to 2005	0.074545455	0.123181818	0.205909091	0.322272727	0.282954545	0.482272727	5.954545455	10
WV1014226	010	2003 to 2004	0.010909091	0.015909091	0.015909091	0.020454545	0.006136364	0.007272727	3.875	5.875
WV1014226	010	2004 to 2005	0.009097223	0.012083333	0.06880558	0.097083333	0.041444442	0.060833333	2.88888917	4.291666667
WV1014226	011	2003 to 2004	0.200833333	0.226666667	0.45	0.656666667	0.234166667	0.313333333	0	2.354166667
WV1014226	011	2004 to 2005	0.361458333	0.450833333	0.299166667	0.403333333	0.065208333	0.091666667	4.104166667	5.458333333
WV1014226	016	2003 to 2004	0.017045455	0.025	0.0475	0.067272727	0.007272727	0.010454545	2.465909091	3.147727273
WV1014226	016	2004 to 2005	0.0075	0.010833333	0.027291667	0.042083333	0.005416667	0.0075	1.729166667	2.458333333
WV1014234	001	2003 to 2004	0.0375	0.051666667	0.215555556	0.267777778	0.016388889	0.024444444	3.402777778	5.194444444
WV1014234	001	2004 to 2005	0.052777778	0.077777778	0.251666667	0.297777778	0.022222222	0.031111111	2.111111111	2.388888889

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1014234	006	2003 to 2004	0.059583333	0.078333333	0.235208333	0.293333333	0.166041667	0.225	2.869791667	3.90625
WV1014234	006	2004 to 2005	0.052083333	0.071666667	0.165208333	0.2125	0.120625	0.162916667	2.104166667	3
WV1014234	007	2003 to 2004	0.031666667	0.046666667	0.71625	0.930833333	0.205	0.2875	3.067708333	4.302083333
WV1014234	007	2004 to 2005	0.028333333	0.040833333	1.172916667	1.449166667	0.43375	0.523333333	1.729166667	2.166666667
WV1014234	011	2003 to 2004	0.0775	0.096	0.0845	0.1005	0.0165	0.0185	3.35	3.35
WV1014234	011	2004 to 2005	0.036	0.0585	0.06025	0.0875	0.036	0.047	1.6	2.45
WV1014234	013	2003 to 2004	0.028125	0.039583333	0.2	0.273333333	0.188958333	0.259166667	2.4375	3.5625
WV1014234	013	2004 to 2005	0.025833333	0.040833333	0.261041667	0.378333333	0.219583333	0.300833333	1.541666667	2.166666667
WV1014234	014	2003 to 2004	0.058333333	0.086666667	0.160833333	0.22	0.032083333	0.046666667	5.875	6.375
WV1014234	014	2004 to 2005	0.0365625	0.06125	0.090625	0.134375	0.053125	0.079375	3.5625	5.4375
WV1014234	016	2003 to 2004	0.038	0.055	0.1015	0.146	0.06075	0.095	2.775	4.55
WV1014234	016	2004 to 2005	0.030416667	0.042916667	0.10875	0.131666667	0.086041667	0.103333333	1.791666667	2.666666667
WV1014234	017	2003 to 2004	0.035625	0.051666667	0.063958333	0.088333333	0.023541667	0.034166667	2.630208333	3.302083333
WV1014234	017	2004 to 2005	0.068958333	0.1275	0.056458333	0.095833333	0.132708333	0.25375	2.020833333	3.208333333
WV1014234	018	2003 to 2004	0.025	0.03625	0.1725	0.225	0.025833333	0.036666667	2.520833333	3.166666667
WV1014234	018	2004 to 2005	0.020625	0.034166667	0.158125	0.2275	0.039166667	0.0575	1.5625	2.25
WV1014285	001	2003 to 2004			2.29	2.89	1.7	2.57	12.5	14
WV1014285	001	2004 to 2005								
WV1014285	003	2003 to 2004			0.463333333	0.55	0.617777778	0.808888889	7.333333333	11.22222222
WV1014285	003	2004 to 2005	0.125714286	0.21	0.275833333	0.373333333	0.1225	0.185833333	8.083333333	11.5
WV1014358	001	2003 to 2004	1.119090909	1.386363636	0.260454545	0.358181818	0.135227273	0.162727273	12.21022727	16.96590909
WV1014358	001	2004 to 2005	0.728125	0.968333333	0.104375	0.144583333	0.141458333	0.183333333	4.083333333	6.666666667
WV1014358	002	2003 to 2004	0.04525	0.061	0.131	0.161	0.043	0.05	2.45	3.4375
WV1014358	002	2004 to 2005	0.045909091	0.057727273	0.139090909	0.161363636	0.019318182	0.027272727	1.681818182	1.909090909
WV1014358	003	2003 to 2004	0.22375	0.3425	1.3675	1.9625	0.68125	1.0275	19.921875	32
WV1014358	003	2004 to 2005	0.108863636	0.130909091	0.793181818	0.864545455	0.640909091	0.720454545	5.568181818	5.863636364
WV1014528	011	2003 to 2004	0.1425	0.145	0.093333333	0.095	0.03875	0.040833333	3.395833333	3.395833333
WV1014528	011	2004 to 2005	0.075	0.081	0.087	0.117	0.021	0.026	1.55	1.7
WV1014536	001	2003 to 2004	4.023333333	4.7625	0.809166667	1.031666667	8.081666667	8.8225	15.75	25.08333333
WV1014536	001	2004 to 2005	2.227916667	3.114166667	0.34625	0.474166667	5.102083333	7.103333333	8.625	12.58333333
WV1014536	002	2003 to 2004	0.927916667	1.2325	0.430416667	0.573333333	5.01375	6.595	3.375	5.458333333
WV1014536	002	2004 to 2005	0.960416667	1.120833333	0.227083333	0.325833333	2.019166667	2.791666667	9.125	13.20833333
WV1014536	003	2003 to 2004	0.578333333	0.705	0.620909091	3.029166667	2.596666667	2.991666667	3.708333333	4.875
WV1014536	003	2004 to 2005	0.89875	1.165833333	0.486666667	0.64	2.206666667	2.546666667	8.708333333	14
WV1014587	001	2003 to 2004	0.125	0.1275	0.28	0.2925	0.04375	0.06125	3.9375	3.9375

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1014587	001	2004 to 2005	0.096428571	0.112857143	0.318571429	0.334285714	0.055357143	0.063571429	0.571428571	0.642857143
WV1014587	012	2003 to 2004	0.484166667	0.638333333	0.335	0.445	1.34875	1.625833333	4.588541667	6.666666667
WV1014587	012	2004 to 2005	0.209318182	0.306818182	0.2725	0.471363636	1.008181818	1.523636364	3.113636364	5.227272727
WV1014587	013	2003 to 2004	0.3625	0.4825	0.068958333	0.099583333	0.689166667	1.02	4.890625	7.354166667
WV1014587	013	2004 to 2005	0.499305558	0.674166667	0.089722223	0.140833333	1.015972217	1.228333333	5.13888917	6.541666667
WV1014587	016	2003 to 2004	0.555909091	0.653636364	0.645681818	0.792727273	2.172727273	2.569090909	11.84659091	18.125
WV1014587	016	2004 to 2005	3.475	4.72125	4.564375	6.2775	3.82375	4.42375	9.90625	11.4375
WV1014587	027	2003 to 2004	0.235833333	0.309166667	0.413125	0.7175	4.29125	5.8775	16.140625	23.33333333
WV1014587	027	2004 to 2005	0.15125	0.187083333	0.294791667	0.431666667	1.571666667	2.275	11.27083333	16.25
WV1014587	032	2003 to 2004	0.150416667	0.206666667	0.024791667	0.044583333	0.760833333	1.091666667	1.833333333	1.875
WV1014587	032	2004 to 2005	0.126666667	0.189166667	0.027916667	0.049583333	0.661458333	0.959166667	4.8125	8.875
WV1014587	033	2003 to 2004	0.052708333	0.076666667	0.060833333	0.084166667	0.3175	0.359166667	2.78125	3.78125
WV1014587	033	2004 to 2005	0.052083333	0.066666667	0.049791667	0.062916667	0.14375	0.159583333	2.520833333	3.583333333
WV1014587	035	2003 to 2004	0.124545455	0.179545455	0.043409091	0.08	0.694090909	0.922727273	3.414772727	4.352272727
WV1014587	035	2004 to 2005	0.108055556	0.174444444	0.024444444	0.041666667	0.761666667	1.136666667	3.722222222	5.333333333
WV1014587	036	2003 to 2004	0.115833333	0.149166667	0.008125	0.01125	1.050416667	1.55	2.416666667	3
WV1014587	036	2004 to 2005	0.201458333	0.330833333	0.016666667	0.028333333	0.94625	1.339166667	2.833333333	4.958333333
WV1014587	038	2003 to 2004	0.214791667	0.3025	0.04	0.069166667	0.545833333	0.8	2.229166667	3.197916667
WV1014587	038	2004 to 2005	0.136666667	0.185833333	0.008333333	0.010833333	0.490416667	0.735	2.1875	3.458333333
WV1014587	040	2003 to 2004	0.121458333	0.171666667	0.068333333	0.127916667	0.480416667	0.6025	2.166666667	2.510416667
WV1014587	040	2004 to 2005	0.0825	0.106666667	0.019166667	0.027083333	0.53	0.809166667	2.88888917	4.625
WV1014587	047	2003 to 2004	0.103611111	0.161111111	0.168333333	0.255555556	1.306111111	1.58	4.319444444	6.222222222
WV1014587	047	2004 to 2005	0.373541667	0.506666667	0.180208333	0.270833333	1.213541667	1.561666667	6.75	8.791666667
WV1014587	048	2003 to 2004	0.12125	0.161666667	0.132291667	0.156666667	1.06375	1.499166667	5.880208333	8.208333333
WV1014587	048	2004 to 2005	0.09625	0.12875	0.142708333	0.189166667	1.032916667	1.3275	3.375	4.791666667
WV1014595	001	2003 to 2004								
WV1014595	001	2004 to 2005	0.29	0.29	0.15	0.15	0.05	0.05	3	3
WV1014595	002	2003 to 2004								
WV1014595	002	2004 to 2005	0.353333333	0.353333333	0.156666667	0.156666667	0.103333333	0.103333333	3.333333333	3.333333333
WV1014595	006	2003 to 2004								
WV1014595	006	2004 to 2005	0.36	0.36	0.18	0.18	0.46	0.46	3	3
WV1014595	008	2003 to 2004	0.452222222	0.648888889	0.138888889	0.197777778	0.255555556	0.366666667	3.111111111	3.222222222
WV1014595	008	2004 to 2005	0.4025	0.525	0.178333333	0.278333333	0.666666667	0.9325	10.91666667	18.5
WV1014595	016	2003 to 2004	0.195555556	0.231111111	0.123333333	0.152222222	0.116666667	0.138888889	3.055555556	3.111111111
WV1014595	016	2004 to 2005	0.213333333	0.2575	0.074166667	0.098333333	0.031666667	0.035	3.184166667	3.583333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1014595	017	2003 to 2004								
WV1014595	017	2004 to 2005	0.205	0.205	0.03	0.03	0.03	0.03	3	3
WV1014595	018	2003 to 2004			0.213333333	0.213333333				
WV1014595	018	2004 to 2005	0.236	0.236	0.074	0.074	0.032	0.032	3	3
WV1014595	019	2003 to 2004	0.23	0.276666667	0.154444444	0.223333333	0.05	0.05	3.277777778	3.555555556
WV1014595	019	2004 to 2005	0.235833333	0.285	0.105833333	0.140833333	0.255833333	0.289166667	3.416666667	3.833333333
WV1014595	020	2003 to 2004	0.202222222	0.248888889	0.12	0.154444444	0.107777778	0.134444444	3.062222222	3.454444444
WV1014595	020	2004 to 2005	0.2025	0.246666667	0.065833333	0.085	0.026666667	0.0275	3.375	3.75
WV1014595	021	2003 to 2004								
WV1014595	021	2004 to 2005					0.24	0.24		
WV1014633	006	2003 to 2004			0.139583333	0.223333333	0.01625	0.02125	9.208333333	15.57291667
WV1014633	006	2004 to 2005			0.109166667	0.1875	0.012916667	0.02125	3.395833333	5.125
WV1014633	011	2003 to 2004			0.188333333	0.225	0.033958333	0.04125	2.463541667	3.479166667
WV1014633	011	2004 to 2005			0.3195	0.401	0.0625	0.09	2.675	3.65
WV1014633	015	2003 to 2004			0.87125	1.015	0.25625	0.313333333	4.338541667	6.71875
WV1014633	015	2004 to 2005			0.746818182	0.859090909	0.186363636	0.214545455	2.840909091	4.409090909
WV1014633	016	2003 to 2004			0.570833333	0.685555556	0.167777778	0.214444444	12.64583333	13.68055556
WV1014633	016	2004 to 2005			0.2525	0.30625	0.0553125	0.07375	1.15625	1.3125
WV1014633	018	2003 to 2004								
WV1014633	018	2004 to 2005	0.0475	0.055	0.245	0.275	0.22	0.265	2.25	3.25
WV1014684	001	2003 to 2004	0.460833333	0.635833333	0.156666667	0.256666667	0.105	0.225833333	10.83333333	13.16666667
WV1014684	001	2004 to 2005	0.28	0.384166667	0.128333333	0.176666667	0.045833333	0.0625	13.25	15.33333333
WV1014684	002	2003 to 2004	0.429166667	0.5925	0.09	0.126666667	0.051666667	0.083333333	4.833333333	5.5
WV1014684	002	2004 to 2005	0.26	0.3575	0.128333333	0.194166667	0.04	0.0575	7	8.666666667
WV1014684	003	2003 to 2004	0.358333333	0.425	0.334166667	0.459166667	0.125	0.184166667	9.916666667	11.5
WV1014684	003	2004 to 2005	0.485833333	0.77	0.355	0.513333333	0.316666667	0.4225	19.25	30.16666667
WV1014684	006	2003 to 2004	0.380833333	0.470833333	0.139166667	0.209166667	0.115	0.186666667	8.666666667	11.83333333
WV1014684	006	2004 to 2005	0.2475	0.349166667	0.498333333	0.925833333	0.0825	0.1175	8.083333333	11
WV1014692	001	2003 to 2004			0.398333333	0.529444444	0.144444444	0.164444444	8.222222222	11.77777778
WV1014692	001	2004 to 2005			0.43	0.635	0.13375	0.14875	5.5	9.25
WV1014692	002	2003 to 2004			0.305	0.369166667	0.245	0.275833333	3.729166667	6.916666667
WV1014692	002	2004 to 2005			0.906363636	1.053636364	0.31	0.399090909	6.954545455	10.54545455
WV1014692	003	2003 to 2004			0.2625	0.33	0.288333333	0.34	4.5	6.583333333
WV1014692	003	2004 to 2005			0.529	0.745	0.46	0.564	6.125	10.4
WV1014692	004	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1014692	004	2004 to 2005			0.74	0.74	0.33	0.33	8	8
WV1014692	008	2003 to 2004			0.4	0.4	0.1	0.1	4	4
WV1014692	008	2004 to 2005			0.076	0.159	0.029	0.082	2.35	4.1
WV1014692	016	2003 to 2004	0.7075	0.7625	1.43	1.515	0.345	0.3575	7.5	8.75
WV1014692	016	2004 to 2005	0.08	0.08	0.1	0.1	0.023333333	0.023333333	2.333333333	2.333333333
WV1014692	017	2003 to 2004	0.04625	0.05625	0.04875	0.07875	0.03625	0.05375	2.375	3.5
WV1014692	017	2004 to 2005	0.085	0.085	0.08	0.098	0.076	0.129	2.4	2.7
WV1014692	019	2003 to 2004	0.118636364	0.178636364	0.182272727	0.248636364	0.058636364	0.07	3.204545455	4.363636364
WV1014692	019	2004 to 2005	0.128636364	0.182272727	0.177727273	0.238181818	0.107727273	0.158636364	3.204545455	4.454545455
WV1014692	020	2003 to 2004	0.113181818	0.167272727	0.258181818	0.367272727	0.036818182	0.056818182	5.863636364	9.272727273
WV1014692	020	2004 to 2005	0.220909091	0.348181818	0.260909091	0.370909091	0.114090909	0.145909091	5.318181818	7.090909091
WV1014692	021	2003 to 2004								
WV1014692	021	2004 to 2005	0.75	0.75	0.59	0.59	0.01	0.01	4	4
WV1014692	DSL1	2003 to 2004			0.801666667	1.163333333	0.13	0.164166667		
WV1014692	DSL1	2004 to 2005			0.784545455	1.086363636	0.115454545	0.167272727		
WV1014692	DSSF	2003 to 2004	0.56375	0.72125	0.635833333	0.794166667	0.099166667	0.106666667		
WV1014692	DSSF	2004 to 2005	0.2255	0.323	0.612	1.027	0.159	0.267		
WV1014692	USLC1	2003 to 2004	0.155	0.24125	0.239583333	0.336666667	0.022083333	0.025833333		
WV1014692	USLC1	2004 to 2005	0.129545455	0.170454545	0.234090909	0.3	0.042727273	0.059090909		
WV1014692	USMF	2003 to 2004	2.176875	3.6975	2.155	3.5625	0.13875	0.17125		
WV1014692	USMF	2004 to 2005	0.123	0.1995	0.504	0.878	0.2175	0.294		
WV1014773	002	2003 to 2004			0.024	0.0365	0.0135	0.022	2.1	2.4625
WV1014773	002	2004 to 2005								
WV1014773	004	2003 to 2004			0.020833333	0.0275	0.016875	0.0225	1.958333333	2.739583333
WV1014773	004	2004 to 2005			0.01875	0.030833333	0.020416667	0.029166667	1.416666667	2.333333333
WV1014773	005	2003 to 2004			0.204642857	0.214285714	0.346428571	0.375714286	45.8125	46.69642857
WV1014773	005	2004 to 2005			0.105	0.156666667	0.09	0.116666667	3.916666667	6.333333333
WV1014773	007	2003 to 2004			0.013541667	0.021666667	0.008541667	0.012916667	2.104166667	2.375
WV1014773	007	2004 to 2005			0.01125	0.016666667	0.005416667	0.006666667	1.6875	2.458333333
WV1014773	010	2003 to 2004	0.039791667	0.058333333	0.039375	0.059166667	0.025625	0.038333333	2.442708333	3.052083333
WV1014773	010	2004 to 2005	0.019791667	0.03	0.019166667	0.027083333	0.009166667	0.01375	1.39625	2.333333333
WV1014773	011	2003 to 2004	0.023333333	0.028333333	0.035	0.043333333	0.011666667	0.013333333	1.958333333	2.791666667
WV1014773	011	2004 to 2005	0.042083333	0.053333333	0.046041667	0.066666667	0.008541667	0.010833333	2.33375	3.791666667
WV1014773	012	2003 to 2004	0.015	0.015	0.36	0.36	0.09	0.09	0	0
WV1014773	012	2004 to 2005								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1014773	016	2003 to 2004	0.062916667	0.088333333	0.046041667	0.07375	0.011041667	0.017083333	3.09375	4.354166667
WV1014773	016	2004 to 2005	0.0815	0.108	0.068	0.086	0.03025	0.033	8.7	10.95
WV1014773	017	2003 to 2004	0.06125	0.081666667	0.081875	0.1275	0.011666667	0.017083333	6.479166667	10.875
WV1014773	017	2004 to 2005	0.043409091	0.066818182	0.037727273	0.067727273	0.007272727	0.010454545	1.613636364	2.409090909
WV1014781	001	2003 to 2004			0.09	0.106	0.152	0.16	5.1625	8.1
WV1014781	001	2004 to 2005			0.077777778	0.1	0.095833333	0.112222222	5.861111111	8.166666667
WV1014803	001	2003 to 2004	0.09125	0.136666667	0.146319442	0.2325	0.063958333	0.086666667	4.145833333	7.072916667
WV1014803	001	2004 to 2005	0.018125	0.026666667	0.045625	0.067083333	0.057083333	0.0725	1.75	2.333333333
WV1014803	003	2003 to 2004	0.229375	0.374166667	0.411875	0.7475	0.186875	0.263333333	2.46875	3.40625
WV1014803	003	2004 to 2005	0.045	0.0725	0.06375	0.090833333	0.088333333	0.116666667	1.25	1.791666667
WV1014811	011	2003 to 2004	0.04	0.041666667	2.758333333	3.446666667	2.14	2.283333333	8.666666667	8.666666667
WV1014811	011	2004 to 2005	0.05	0.05	5.01	5.01	2.01	2.01	9	9
WV1014838	002	2003 to 2004	0.020625	0.02875	0.599583333	0.729583333	0.294375	0.444166667	1.875	1.875
WV1014838	002	2004 to 2005	0.007954545	0.012272727	0.019545455	0.03	0.006590909	0.01	1.181818182	1.818181818
WV1014862	001	2003 to 2004	0.6025	0.6025	0.4	0.4	1.0925	1.0925	6.5	6.5
WV1014862	001	2004 to 2005	0.64	0.64	0.196666667	0.196666667	0.816666667	0.816666667	6	6
WV1014862	002	2003 to 2004	0.28	0.28	0.04	0.04	6.58	6.58	6	6
WV1014862	002	2004 to 2005	0.19	0.19	0.35	0.35	0.41	0.41	7	7
WV1014862	003	2003 to 2004	0.8	0.8	0.02	0.02	2.32	2.32	6	6
WV1014862	003	2004 to 2005								
WV1014862	004	2003 to 2004	0.936666667	0.936666667	0.202222222	0.202222222	1.822222222	1.822222222	11.333333333	11.333333333
WV1014862	004	2004 to 2005	0.688571429	0.688571429	0.105714286	0.105714286	1.408571429	1.408571429	4.571428571	4.571428571
WV1014862	005	2003 to 2004	1.637272727	1.637272727	0.487272727	0.487272727	1.144545455	1.144545455	8	8
WV1014862	005	2004 to 2005	0.439	0.439	0.304	0.304	0.782	0.782	4.8	4.8
WV1014862	006	2003 to 2004	4.750833333	4.750833333	0.259166667	0.259166667	1.545	1.545	42.166666667	42.166666667
WV1014862	006	2004 to 2005	0.849090909	1.410909091	0.11	0.118181818	0.389090909	0.559090909	8.454545455	11.454545455
WV1014862	007	2003 to 2004	0.47625	0.47625	0.1725	0.1725	0.1675	0.1675	4.25	4.25
WV1014862	007	2004 to 2005	0.586363636	0.586363636	0.09	0.09	0.415454545	0.415454545	4.909090909	4.909090909
WV1014862	008	2003 to 2004	0.37	0.37	0.1	0.1	0.096666667	0.096666667	4.666666667	4.666666667
WV1014862	008	2004 to 2005	0.284285714	0.284285714	0.172857143	0.172857143	0.164285714	0.164285714	5.142857143	5.142857143
WV1014889	003	2003 to 2004	0.46	0.46	1	1	0.31	0.31	7	7
WV1014889	003	2004 to 2005								
WV1014889	024	2003 to 2004	0.093181818	0.148181818	0.164545455	0.209090909	0.236363636	0.313636364	5.954545455	8
WV1014889	024	2004 to 2005	0.278571429	0.362857143	0.227142857	0.305714286	0.367142857	0.544285714	7.285714286	9.5
WV1014897	001	2003 to 2004	0.18475	0.29	0.34025	0.583	0.124	0.153	10.08125	16.5125

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1014897	001	2004 to 2005	0.069772727	0.089090909	0.089545455	0.104545455	0.12	0.166363636	4.295454545	6.090909091
WV1014897	003	2003 to 2004	0.0475	0.0475	0.015	0.015	0.0225	0.0225	2.6875	2.6875
WV1014897	003	2004 to 2005								
WV1014951	001	2003 to 2004	0.138958333	0.22	0.232083333	0.41	0.076041667	0.135	18.31770833	34.4375
WV1014951	001	2004 to 2005	0.259375	0.395875	0.164583333	0.278791667	0.037083333	0.058791667	4.666666667	7.333375
WV1014951	002	2003 to 2004	0.2055	0.264	0.2495	0.301	0.6465	0.814	13.025	18.0375
WV1014951	002	2004 to 2005	0.341363636	0.421818182	0.463636364	0.527272727	0.116363636	0.137272727	22.04545455	28.68231818
WV1014951	015	2003 to 2004	0.248333333	0.3725	0.429166667	0.636666667	0.078125	0.098333333	22.71875	36.78125
WV1014951	015	2004 to 2005	0.102916667	0.1575	0.199375	0.314166667	0.035416667	0.052083333	3.458333333	5.791666667
WV1014951	034	2003 to 2004								
WV1014951	034	2004 to 2005	0	0	0	0	0	0	0	0
WV1015036	001	2003 to 2004	0.065625	0.0825	0.061875	0.08	0.008125	0.01125	4.4375	4.9375
WV1015036	001	2004 to 2005	0.0625	0.093333333	0.04875	0.0725	0.02375	0.0425	2.458333333	2.75
WV1015044	001	2003 to 2004	0.72125	0.975833333	0.301041667	0.359166667	0.564166667	0.72	18.79166667	26.54166667
WV1015044	001	2004 to 2005	0.766363636	0.976363636	0.138636364	0.178181818	0.645	0.874545455	6.5	10.45454545
WV1015052	001	2003 to 2004	0.117291667	0.175833333	0.56875	0.7225	0.101041667	0.134166667	3.796875	5.59375
WV1015052	001	2004 to 2005	0.0925	0.156363636	0.508636364	0.596363636	0.117954545	0.148181818	1.5	2
WV1015109	001	2003 to 2004	0.143863636	0.178181818	0.466363636	0.557272727	0.437272727	0.499090909	5.6875	8.386363636
WV1015109	001	2004 to 2005	0.120227273	0.134090909	0.953636364	1.059090909	0.688181818	0.739090909	2.545454545	2.681818182
WV1015176	002	2003 to 2004	0.26	0.385833333	0.318333333	0.458333333	0.120833333	0.17	6.375	9.25
WV1015176	002	2004 to 2005	0.087	0.197	3.857	7.607	0.722	0.828	3.35	5.85
WV1015176	005	2003 to 2004	0.15625	0.240833333	0.13875	0.176666667	0.039166667	0.062916667	3.791666667	5.25
WV1015176	005	2004 to 2005	0.0705	0.1035	0.279	0.325	0.277	0.374	1.95	3.05
WV1015176	006	2003 to 2004	0.2475	0.3525	0.293333333	0.411666667	0.11	0.155833333	6.020833333	11
WV1015176	006	2004 to 2005	0.0925	0.165	0.24375	0.289	0.22825	0.297	4.675	8
WV1015176	007	2003 to 2004								
WV1015176	007	2004 to 2005	0.188889	0.226666667	0.193333333	0.223333333	0.8661111	0.913333333	12.86111	19.33333333
WV1015184	001	2003 to 2004	0.309166667	0.389166667	0.214166667	0.264166667	0.25	0.331666667	4.5	5.833333333
WV1015184	001	2004 to 2005	0.231818182	0.270909091	0.168181818	0.219090909	0.301818182	0.355454545	6.681818182	10.36363636
WV1015184	002	2003 to 2004	0.215	0.260833333	0.270833333	0.358333333	0.530833333	0.825	3.625	4.083333333
WV1015184	002	2004 to 2005	0.213636364	0.241818182	0.225454545	0.309090909	0.504545455	0.736363636	3.454545455	3.818181818
WV1015184	021	2003 to 2004	0.289166667	0.379166667	1.05	1.255	0.441666667	0.553333333	5.375	7.666666667
WV1015184	021	2004 to 2005	0.287272727	0.338181818	0.943636364	1.235454545	0.324545455	0.43	3.881818182	4.363636364
WV1015265	002	2003 to 2004	0.611666667	0.773333333	1.444583333	1.9975	1.4775	1.964166667	15.72395833	26.19791667
WV1015265	002	2004 to 2005	0.23125	0.298458333	0.8375	1.086791667	1.007916667	1.388458333	3.520833333	5.250125

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1015265	003	2003 to 2004								
WV1015265	003	2004 to 2005	0.379722222	0.474444444	1.049166667	1.2	0.748333333	0.842222222	9.833333333	16.5
WV1015281	001	2003 to 2004	0.425	0.618181818	0.438181818	0.609090909	0.100909091	0.128181818	7.704545455	10.54545455
WV1015281	001	2004 to 2005	0.3825	0.515833333	0.5025	0.810833333	0.1925	0.2825	12.125	17.75
WV1015281	002	2003 to 2004	0.550454545	0.874545455	0.554545455	0.782727273	0.100909091	0.117272727	12.43181818	16.09090909
WV1015281	002	2004 to 2005	0.470909091	0.694545455	0.593636364	0.840909091	0.267272727	0.330909091	17.34090909	24.09090909
WV1015311	001	2003 to 2004	0.380416667	0.5375	0.102013889	0.215	1.950416725	2.410833333	25.42013917	48.73958333
WV1015311	001	2004 to 2005	0.091785714	0.111428571	0.022857143	0.041428571	0.200714286	0.29	2.875	4.214285714
WV1015311	002	2003 to 2004	0.294285714	0.338571429	0.649642857	0.745	0.767857143	0.895714286	53.3125	90.64285714
WV1015311	002	2004 to 2005	0.040357143	0.061428571	0.028571429	0.051428571	0.201071429	0.292857143	0.714285714	0.785714286
WV1015311	005	2003 to 2004	0.54375	0.648333333	0.272916667	0.386666667	1.13	1.315	11.828125	19.125
WV1015311	005	2004 to 2005	0.305681818	0.382727273	0.057954545	0.078636364	0.655681818	0.867272727	8.295454545	13
WV1015311	006	2003 to 2004	0.187954545	0.300909091	0.215909091	0.325454545	0.083636364	0.136818182	34.8125	60.63636364
WV1015311	006	2004 to 2005	0.068888889	0.102777778	0.059444444	0.093888889	0.054444444	0.077777778	2.305555556	4.166666667
WV1015311	007	2003 to 2004	0.15	0.208571429	0.202857143	0.255714286	0.158214286	0.3	6.875	11.91071429
WV1015311	007	2004 to 2005	0.06175	0.071	0.07075	0.0995	0.2365	0.25	1.175	1.75
WV1015320	001	2003 to 2004	0.257083333	0.425	0.42875	0.668333333	0.307083333	0.450833333	20.19270833	33.5
WV1015320	001	2004 to 2005	0.229375	0.2875	0.253125	0.33	0.083541667	0.1025	18.58333333	25.875
WV1015320	002	2003 to 2004	0.127291667	0.2125	0.255416667	0.4025	0.069166667	0.100833333	10.81770833	18.86458333
WV1015320	002	2004 to 2005	0.077708333	0.11125	0.164583333	0.2475	0.051666667	0.065	6	8.458333333
WV1015338	001	2003 to 2004	0.741666667	1.0325	0.7025	0.938333333	0.593333333	0.679166667	18	22
WV1015338	001	2004 to 2005	0.818	1.067	0.538	0.657	0.483	0.63	17.6	26.2
WV1015338	002	2003 to 2004	0.385	0.504166667	0.1825	0.293333333	1.039166667	1.499166667	7.416666667	9.5
WV1015338	002	2004 to 2005	0.2825	0.47	0.2175	0.265833333	1.671666667	2.279166667	8.75	12.5
WV1015338	003	2003 to 2004								
WV1015338	003	2004 to 2005	0.2275	0.37	0.1325	0.2025	0.294375	0.503125	9.625	15.25
WV1015346	001	2003 to 2004	0.261666667	0.286666667	0.243333333	0.266666667	1.423333333	1.65	1.083333333	1.5
WV1015346	001	2004 to 2005	0.083333333	0.113333333	0.103333333	0.116666667	0.1	0.13	10	14.33333333
WV1015346	004	2003 to 2004	0.063333333	0.076666667	0.08	0.093333333	0.046666667	0.053333333	0	0.666666667
WV1015346	004	2004 to 2005	0.135	0.24	0.04	0.065	0.09	0.1	1.5	1.5
WV1015346	005	2003 to 2004	0.145	0.156666667	0.133333333	0.166666667	0.408333333	0.436666667	2.083333333	3.833333333
WV1015346	005	2004 to 2005								
WV1015346	007	2003 to 2004	0.07	0.076666667	0.175	0.223333333	0.143333333	0.146666667	0	0.666666667
WV1015346	007	2004 to 2005								
WV1015346	018	2003 to 2004	0.138333333	0.15	0.136666667	0.146666667	0.046666667	0.053333333	7.083333333	8.166666667



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1015346	018	2004 to 2005	0.263333333	0.45	0.07	0.12	0.066666667	0.076666667	4.333333333	5
WV1015346	019	2003 to 2004	0.13	0.13	0.12	0.12	0.04	0.04	0	0
WV1015346	019	2004 to 2005								
WV1015346	026	2003 to 2004	0.065	0.07	0.1	0.11	0.0525	0.055	2.75	2.75
WV1015346	026	2004 to 2005	0.12	0.21	0.075	0.095	0.045	0.075	3.125	4.75
WV1015346	027	2003 to 2004	0.2125	0.225	0.5875	0.635	0.76	0.85	8.75	9
WV1015346	027	2004 to 2005	0.1	0.17	0.085	0.14	0.015	0.015	2.625	3.75
WV1015346	028	2003 to 2004	0.055	0.055	0.4875	0.585	0.5275	0.8	6.25	6.25
WV1015346	028	2004 to 2005	0.16	0.235	0.06	0.105	0.085	0.155	3.625	5.75
WV1015362	001	2003 to 2004	0.110416667	0.15	0.061041667	0.09	0.348333333	0.449166667	3.130208333	5.333333333
WV1015362	001	2004 to 2005	0.084236108	0.106666667	0.034027778	0.047916667	0.588819417	0.72	3.458333333	5
WV1015362	002	2003 to 2004	0.093333333	0.117222222	0.060277778	0.071666667	1.098333333	1.384444444	3.944444444	5.930555556
WV1015362	002	2004 to 2005	0.053333333	0.076666667	0.046666667	0.06	1.512916667	1.6975	1.229166667	1.875
WV1015362	003	2003 to 2004	0.0575	0.084166667	0.060138889	0.11375	0.607013858	1.1125	3.58246525	8.989583333
WV1015362	003	2004 to 2005	0.039375	0.067083333	0.02	0.03875	0.606041667	0.9475	3.958333333	9.25
WV1015362	008	2003 to 2004								
WV1015362	008	2004 to 2005			0.016666667	0.018333333	0.0175	0.021666667	0.833333333	1
WV1015362	010	2003 to 2004	0.15	0.16	0.125	0.14	0.0225	0.0225	7.75	7.75
WV1015362	010	2004 to 2005	0.632916667	0.956666667	0.2525	0.363333333	0.036666667	0.045833333	11.58333333	17.33333333
WV1015362	011	2003 to 2004	0.266666667	0.266666667	0.28	0.28	1.563333333	1.563333333	9.583333333	9.583333333
WV1015362	011	2004 to 2005	0.09875	0.141	0.028708333	0.057	1.0036667	1.151	2.5375	4.8
WV1015362	012	2003 to 2004	0.069583333	0.090833333	0.055208333	0.100833333	0.919166667	1.463333333	3.677083333	5.135416667
WV1015362	012	2004 to 2005	0.065555556	0.095416667	0.01625	0.028333333	1.131944417	1.7775	3.645833333	5.666666667
WV1015389	021	2003 to 2004	0.33	0.413333333	0.08	0.08	0.186666667	0.213333333	3	3
WV1015389	021	2004 to 2005								
WV1015389	035	2003 to 2004								
WV1015389	035	2004 to 2005	0.27	0.27	0.19	0.19	0.03	0.03	19	19
WV1015460	001	2003 to 2004	0.425	0.466666667	0.106875	0.134444444	0.06875	0.054444444	4.875	6.666666667
WV1015460	001	2004 to 2005								
WV1015460	002	2003 to 2004	0.425	0.42	0.395	0.328	0.165	0.224	9.25	9.4
WV1015460	002	2004 to 2005								
WV1015478	001	2003 to 2004	0.323333333	0.449166667	0	0	0	0	0	0
WV1015478	001	2004 to 2005	0.471111111	0.692222222	0	0	0	0	0	0
WV1015478	002	2003 to 2004	0.278181818	0.380909091	0	0	0	0	0	0
WV1015478	002	2004 to 2005	0.416666667	0.582222222	0	0	0	0	0	0

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1015478	012	2003 to 2004	0.24	0.48	0	0	0	0	0	0
WV1015478	012	2004 to 2005								
WV1015494	DLB	2003 to 2004	0.55	0.7	0.925	1.32	0.19	0.28		
WV1015494	DLB	2004 to 2005								
WV1015494	ULB	2003 to 2004	0.06	0.8	0.97	1.36	0.18	0.27		
WV1015494	ULB	2004 to 2005								
WV1015532	002	2003 to 2004	0.210833333	0.260833333	0.335	0.46	0.075833333	0.1075	7.778333333	10.61083333
WV1015532	002	2004 to 2005	0.07	0.093333333	0.184166667	0.246666667	0.049166667	0.076666667	6.445833333	9.335
WV1015532	003	2003 to 2004	0.1875	0.299166667	0.115833333	0.165833333	0.039166667	0.055833333	4.443333333	5.721666667
WV1015532	003	2004 to 2005	0.045	0.0625	0.0725	0.075	0.010833333	0.014166667	3.3475	3.694166667
WV1015532	004	2003 to 2004	0.7475	0.890833333	0.3775	0.503333333	0.140833333	0.174166667	8.695833333	10.865
WV1015532	004	2004 to 2005	0.2625	0.413333333	0.1675	0.228333333	0.065	0.080833333	4.985	6.7775
WV1015532	005	2003 to 2004	0.338181818	0.441818182	0.294545455	0.364545455	0.1	0.120909091	5.620909091	6.728181818
WV1015532	005	2004 to 2005	0.249166667	0.321666667	0.185833333	0.265	0.085	0.103333333	7.943333333	11.40333333
WV1015532	006	2003 to 2004	0.240833333	0.330833333	0.366666667	0.4925	0.044166667	0.056666667	7.7775	10.83333333
WV1015532	006	2004 to 2005	0.071666667	0.1025	0.1925	0.261666667	0.050833333	0.0775	5.675833333	8.454166667
WV1015532	007	2003 to 2004	0.33	0.38	0.35	0.58	0.04	0.05	12.33	20
WV1015532	007	2004 to 2005								
WV1015532	009	2003 to 2004	0.178333333	0.264166667	0.125	0.185	0.020833333	0.025833333	3.610833333	4.139166667
WV1015532	009	2004 to 2005	0.036666667	0.0425	0.0825	0.096666667	0.0125	0.014166667	3.4175	3.833333333
WV1015532	011	2003 to 2004	0.1825	0.223333333	0.174166667	0.205833333	0.025833333	0.031666667	6.32	7.4725
WV1015532	011	2004 to 2005	0.131	0.164	0.195	0.231	0.046	0.06	4.833	5.767
WV1015532	014	2003 to 2004	0.225454545	0.305454545	0.3075	0.388333333	0.021666667	0.0275	7.8325	10.86166667
WV1015532	014	2004 to 2005	0.05	0.07	0.085	0.1	0.019166667	0.024166667	3.708333333	4.055
WV1015559	001	2003 to 2004	0.485	0.541666667	0.4865	0.565	0.0575	0.068333333	9.75	13.58333333
WV1015559	001	2004 to 2005	0.925	0.958333333	0.387	0.466666667	0.0665	0.085833333	13.3	16.5
WV1015559	002	2003 to 2004	0.485714286	0.533333333	0.159285714	0.2	0.059285714	0.087777778	4.571428571	6.333333333
WV1015559	002	2004 to 2005	0.471666667	0.575	0.11875	0.18	0.0925	0.1625	3.166666667	4.083333333
WV1015559	004	2003 to 2004	0.522727273	0.645454545	0.528181818	0.835454545	0.074	0.114	6.1	8.5
WV1015559	004	2004 to 2005	0.436363636	0.472727273	0.285909091	0.447272727	0.079545455	0.125454545	8.409090909	10.36363636
WV1015559	005	2003 to 2004	0.4	0.4	1.04	1.055	0.125	0.125	11.5	23
WV1015559	005	2004 to 2005	0.4	0.4	0.125	0.156666667	0.02	0.02	3.333333333	4
WV1015559	006	2003 to 2004	0.436363636	0.472727273	0.220909091	0.345454545	0.07	0.11	8.95	12.8
WV1015559	006	2004 to 2005	0.258	0.40425	0.227916667	0.368333333	0.102916667	0.18	9.083333333	12.58333333
WV1015567	001	2003 to 2004		0.4		0.065		0.02		3.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1015567	001	2004 to 2005	0.4	0.4	0.080833333	0.13875	0.0325	0.045	3.416666667	3.875
WV1015567	003	2003 to 2004								
WV1015567	003	2004 to 2005	0.7	1	0.245	0.34	1.13	1.66	12.5	16
WV1015567	006	2003 to 2004								
WV1015567	006	2004 to 2005		0.4		0.36		0.62		7
WV1015567	007	2003 to 2004								
WV1015567	007	2004 to 2005		0.4		0.22		0.09		7
WV1015630	001	2003 to 2004								
WV1015630	001	2004 to 2005	0.545625	0.55375	0.316875	0.3325	0.1046875	0.1125	6.9375	7.6875
WV1015681	002	2003 to 2004								
WV1015681	002	2004 to 2005	0.331333333	0.375666667	0.483333333	0.5	0.31	0.313333333	7	8.333333333
WV1015699	004	2003 to 2004								
WV1015699	004	2004 to 2005		0.542		1.675		0.38		22.5
WV1015702	001	2003 to 2004								
WV1015702	001	2004 to 2005	0.39725	0.4896	0.98875	1.194	0.56	0.572	22.375	24
WV1015702	002	2003 to 2004								
WV1015702	002	2004 to 2005	0.498	0.608666667	0.941	1.126666667	0.646	0.761666667	19.1	24
WV1015702	003	2003 to 2004								
WV1015702	003	2004 to 2005	0.7085	0.926	1.0725	1.385	0.3325	0.605	20	30
WV1015702	017	2003 to 2004								
WV1015702	017	2004 to 2005		0.242		0.14		0.02		1
WV1015737	001	2003 to 2004	0.4	0.4	0.112222222	0.156	0.038333333	0.05	3.777777778	5.8
WV1015737	001	2004 to 2005	0.4	0.4	0.082083333	0.101666667	0.04375	0.059166667	2.318181818	3.25
WV1015737	022	2003 to 2004	0.4	0.4	0.379444444	0.465454545	0.052777778	0.070909091	7.611111111	8.818181818
WV1015737	022	2004 to 2005	0.413636364	0.425	0.258181818	0.365	0.051363636	0.07	6.181818182	8.916666667
WV1015737	027	2003 to 2004	0.4	0.4	0.085	0.087142857	0.02125	0.021428571	4.125	6
WV1015737	027	2004 to 2005	0.4	0.4	0.124545455	0.176363636	0.025	0.029090909	5.772727273	8.636363636
WV1015753	001	2003 to 2004	0.338166667	0.351333333	0.147083333	0.198333333	0.0275	0.0325	4.166666667	6.416666667
WV1015753	001	2004 to 2005	0.4	0.4	0.1025	0.1275	0.039166667	0.046666667	5.583333333	7.666666667
WV1015818	001	2003 to 2004	0.627	0.763	0.623	0.783	0.154	0.259	10.7	15
WV1015818	001	2004 to 2005	0.708181818	1.185454545	0.29	0.61	0.028181818	0.035454545	12.27272727	21.45454545
WV1015818	004	2003 to 2004	2.8	4.64	1.885	3.475	0.19	0.275	56.5	73
WV1015818	004	2004 to 2005	0.929	1.095	0.598	0.707	0.213	0.233	22.4	25.8
WV1015826	001	2003 to 2004								
WV1015826	001	2004 to 2005	1.02	1.02	0.38	0.38	31.59	31.59	29	29

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1015826	002	2003 to 2004								
WV1015826	002	2004 to 2005	0.225	0.225	0.49	0.49	0.05	0.05	22	22
WV1015834	001	2003 to 2004	0.339166667	0.4325	0.108333333	0.141666667	0.26	0.459166667	6.166666667	8
WV1015834	001	2004 to 2005	0.470833333	0.715	0.0725	0.11	0.03875	0.054583333	3.270833333	4.75
WV1015834	002	2003 to 2004	0.361666667	0.446666667	0.140833333	0.21	0.584166667	0.955833333	7.5	9.333333333
WV1015834	002	2004 to 2005	0.28	0.354166667	0.067916667	0.095416667	0.328333333	0.4575	2.708333333	3.583333333
WV1015834	003	2003 to 2004	0.3	0.379090909	0.138181818	0.2	0.179090909	0.226363636	6.909090909	8.181818182
WV1015834	003	2004 to 2005	0.318333333	0.405	0.085833333	0.115833333	0.0875	0.122916667	3	5.375
WV1015834	005	2003 to 2004	0.335555556	0.454444444	0.297777778	0.496666667	0.201111111	0.272222222	6.111111111	7.555555556
WV1015834	005	2004 to 2005	0.27	0.349166667	0.062083333	0.099166667	0.03125	0.042916667	4.895833333	8.041666667
WV1015834	006	2003 to 2004	0.592857143	0.685714286	0.351428571	0.52	0.428571429	0.454285714	8	8
WV1015834	006	2004 to 2005	0.29125	0.40625	0.080625	0.133125	0.065625	0.0975	3.0625	4.6875
WV1015834	008	2003 to 2004								
WV1015834	008	2004 to 2005	0.302727273	0.390909091	0	0	0	0	0	0
WV1015848	001	2003 to 2004	0.053636364	0.064090909	0.120227273	0.139090909	0.01	0.010909091	2.886363636	4.034090909
WV1015848	001	2004 to 2005	0.041071429	0.053571429	0.094285714	0.119285714	0.010714286	0.012857143	2.428571429	2.857142857
WV1015848	004	2003 to 2004	0.1028125	0.135	0.1465625	0.17125	0.0140625	0.018125	5.75	8.703125
WV1015848	004	2004 to 2005	0.116666667	0.17	0.208333333	0.29	0.015	0.02	11.083333333	17.166666667
WV1015869	047	2003 to 2004	0.16625	0.2475	0	0	0	0	0	0
WV1015869	047	2004 to 2005	0.284	0.478	0	0	0	0	0	0
WV1015869	048	2003 to 2004	0.233636364	0.346363636	0	0	0	0	0	0
WV1015869	048	2004 to 2005	0.175	0.3425	0	0	0	0	0	0
WV1015877	001	2003 to 2004	0.4	0.4	0.283333333	0.359166667	0.1475	0.195	9.166666667	12.75
WV1015877	001	2004 to 2005	0.4	0.4	0.168	0.32875	0.07	0.14	5	8.625
WV1015877	003	2003 to 2004	0.384	0.583	0.98	1.48	1.25	1.43	38	47
WV1015877	003	2004 to 2005	0.4	0.4	0.280428571	0.434444444	0.101428571	0.144444444	8.785714286	8.888888889
WV1015877	004	2003 to 2004	0.4	0.4	0.2425	0.3275	0.2575	0.21	7.25	9.75
WV1015877	004	2004 to 2005								
WV1015877	005	2003 to 2004		0.4		0.06		0.06		1
WV1015877	005	2004 to 2005		0.4		0.77		0.12		18
WV1015877	006	2003 to 2004		0.4		0.07		0.05		1
WV1015877	006	2004 to 2005		0.4		1.135		0.205		23
WV1015877	007	2003 to 2004								
WV1015877	007	2004 to 2005				0.31		0.03		13
WV1015877	008	2003 to 2004	0.4	0.4	0.305	0.45	0.15	0.22	18.5	34

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1015877	008	2004 to 2005	0.4	0.42	0.285	0.515	0.390625	0.606	8.9375	15.7
WV1015877	009	2003 to 2004	0.4	0.4	0.210625	0.521	0.2625	0.277	6.8125	10.9
WV1015877	009	2004 to 2005	0.408333333	0.411111111	0.509166667	0.644444444	0.110833333	0.17	61.75	80.1111111
WV1015877	010	2003 to 2004	0.4	0.4	0.875	0.49	0.785	0.45	23	14.5
WV1015877	010	2004 to 2005	0.4	0.4	0.15	0.515	0.2	0.215	42.5	43
WV1015877	011	2003 to 2004	0.4	0.4	0.615	0.796666667	0.4675	0.45	17	15
WV1015877	011	2004 to 2005		0.4		0.64		0.05		30
WV1015877	012	2003 to 2004	0.4	0.4	0.17	0.835	0.36	0.82	3	2
WV1015877	012	2004 to 2005								
WV1015877	013	2003 to 2004	0.4	0.4	0.610833333	0.631111111	0.303333333	0.357777778	10.16666667	12.11111111
WV1015877	013	2004 to 2005		0.4		0.925		0.225		23.5
WV1015877	014	2003 to 2004	0.4	0.4	0.309375	0.435	0.1875	0.251	8.5625	10.1
WV1015877	014	2004 to 2005	0.4	0.4	0.3725	0.656666667	0.6975	0.616666667	12	24.66666667
WV1015877	015	2003 to 2004	0.4	0.4	0.3	0.305	0.15	0.21	14.5	19
WV1015877	015	2004 to 2005	0.4	0.4	0.22	0.34	0.13	0.18	12	18
WV1015877	016	2003 to 2004	0.4	0.4	0.1675	0.22	0.1	0.165	6	7.5
WV1015877	016	2004 to 2005	0.4	0.4	0.259	0.4	0.391	0.404285714	19.9	25.57142857
WV1015877	017	2003 to 2004								
WV1015877	017	2004 to 2005		0.4		0.74		0.2		28
WV1015877	018	2003 to 2004	0.4	0.4	0.221428571	0.267777778	0.266428571	0.308888889	12.5	16.11111111
WV1015877	018	2004 to 2005	0.4	0.4	0.2875	0.31	0.065	0.066666667	6.25	10
WV1015877	020	2003 to 2004	0.4	0.4	0.308333333	0.392727273	0.361666667	0.779090909	11.55555556	16.45454545
WV1015877	020	2004 to 2005	0.4	0.433333333	0.285	0.258333333	0.0525	0.04	14	13
WV1015877	021	2003 to 2004								
WV1015877	021	2004 to 2005		0.4		0.08		0.05		171
WV1015877	022	2003 to 2004								
WV1015877	022	2004 to 2005		0.4		0.83		0.05		53
WV1015893	001	2003 to 2004	0.217	0.261	0	0	0	0	0	0
WV1015893	001	2004 to 2005	0.377	0.493	0	0	0	0	0	0
WV1015915	001	2003 to 2004								
WV1015915	001	2004 to 2005	2.763333333	5.113333333	0	0	6.566666667	13.02333333	49.66666667	94
WV1015923	001	2003 to 2004								
WV1015923	001	2004 to 2005	0.05	0.1	0	0	0	0	0	0
WV1015923	004	2003 to 2004	0.506	0.782	0	0	0	0	0	0
WV1015923	004	2004 to 2005	0.3325	0.4525	0	0	0	0	7.625	13.45833333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1015923	007	2003 to 2004	0.976	1.742	0	0	0	0	0	0
WV1015923	007	2004 to 2005	0.329090909	0.441818182	0	0	0	0	0	0
WV1015923	016	2003 to 2004	0.4	0.4	0.191	0.252	0.034	0.114	5.3	8.8
WV1015923	016	2004 to 2005								
WV1015923	021	2003 to 2004	0.811428571	1.23875	0.312142857	0.4225	0.105	0.106666667	6.25	9.125
WV1015923	021	2004 to 2005	0.329090909	0.441818182	0	0			0	0
WV1015923	022	2003 to 2004	0.816	1.418	0	0.558	0	0	0	0
WV1015923	022	2004 to 2005	0.286363636	0.384545455	0	0	0	0	0	0
WV1015982	003	2003 to 2004	0.048611111	0.06	0.081666667	0.101111111	0.0425	0.057222222	2.583333333	3.236111111
WV1015982	003	2004 to 2005	0.041041667	0.05625	0.0475	0.065416667	0.01125	0.014583333	1.1875	1.875
WV1015982	004	2003 to 2004								
WV1015982	004	2004 to 2005	0.07	0.07	0.04	0.04	0.01	0.01	0	0
WV1015982	008	2003 to 2004	0.039285714	0.044285714	0.256428571	0.272857143	0.642857143	0.691428571	2.535714286	3.089285714
WV1015982	008	2004 to 2005	0.033333333	0.035	1.268333333	1.268333333	0.808333333	0.82	4.166666667	4.5
WV1015982	010	2003 to 2004								
WV1015982	010	2004 to 2005	0.03	0.03	0.1	0.1	0.01	0.01	1	1
WV1015991	001	2003 to 2004	0.4	0.4	0.74375	0.84	1.8	1.8925	6.625	7.5
WV1015991	001	2004 to 2005	0.1258	0.139333333	0.281	0.331666667	0.55	0.491666667	1.7	2.666666667
WV1015991	002	2003 to 2004		1.1		2.26		0.66		3
WV1015991	002	2004 to 2005								
WV1015991	008	2003 to 2004	0.669	0.731444444	0.592	0.478888889	0.721	1.146666667	8.5	9.111111111
WV1015991	008	2004 to 2005	0.12555	0.1431	0.413	0.575	1.236	1.417	4.15	5.5
WV1015991	010	2003 to 2004		0.4		0.27		0.28		10
WV1015991	010	2004 to 2005								
WV1015991	012	2003 to 2004								
WV1015991	012	2004 to 2005		0.059		0.23		0.37		24
WV1015991	013	2003 to 2004								
WV1015991	013	2004 to 2005		0.282		1.41		0.12		2
WV1015991	014	2003 to 2004								
WV1015991	014	2004 to 2005		0.09		1.93		0.14		12
WV1015991	015	2003 to 2004								
WV1015991	015	2004 to 2005		0.093		1.43		0.09		8
WV1015991	017	2003 to 2004		0.4		1.94		0.34		8
WV1015991	017	2004 to 2005								
WV1015991	027	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1015991	027	2004 to 2005	0.196	0.325	0.18	0.23	0.415	0.44	10	19
WV1015991	036	2003 to 2004								
WV1015991	036	2004 to 2005		0.17		2.03		0.29		20
WV1016024	001	2003 to 2004	0.04775	0.07	0.153	0.189	0.09775	0.116	4.2	4.475
WV1016024	001	2004 to 2005	0.031875	0.052083333	0.136666667	0.175	0.06875	0.083333333	1.416666667	2.291666667
WV1016024	002	2003 to 2004	0.04475	0.062	0.231	0.273	0.1125	0.131	2.9	3.9375
WV1016024	002	2004 to 2005	0.035625	0.049583333	0.22125	0.2475	0.083333333	0.095833333	1.333333333	2.125
WV1016024	005	2003 to 2004	0.09525	0.127	0.377	0.432	0.1555	0.205	9.825	14.175
WV1016024	005	2004 to 2005	0.073333333	0.120416667	0.24125	0.3325	0.078125	0.125	4.166666667	6.667125
WV1016024	007	2003 to 2004	0.45975	0.856	0.353	0.637	0.2845	0.5	20.8875	39.7125
WV1016024	007	2004 to 2005	0.150277778	0.218888889	0.113888889	0.136666667	0.165277778	0.211111111	4.777777778	7.555555556
WV1016024	008	2003 to 2004	0.061	0.092	0.3455	0.474	0.38825	0.521	2.6	2.975
WV1016024	008	2004 to 2005	0.040833333	0.059444444	1.708888889	2.083333333	1.550555556	1.974444444	2.722222222	3.666666667
WV1016024	009	2003 to 2004								
WV1016024	009	2004 to 2005	0.075	0.09	0.998333333	1.876666667	0.173333333	0.311666667	1.25	2
WV1016024	010	2003 to 2004	0.110833333	0.136666667	0.163333333	0.194444444	0.040277778	0.052777778	8.840277778	11.79166667
WV1016024	010	2004 to 2005	0.0621875	0.0931875	0.0821875	0.1181875	0.020625	0.0269375	3.15625	4.4375625
WV1016024	012	2003 to 2004								
WV1016024	012	2004 to 2005	0.030833333	0.036666667	1.828333333	2.676666667	0.493333333	0.596666667	7.833333333	9.333333333
WV1016032	001	2003 to 2004	0.942	1.548	1.805	2.579	0	0	24.675	38.95
WV1016032	001	2004 to 2005	0.483333333	0.733333333	0	0	0	0	13.20833333	0
WV1016059	001	2003 to 2004	0.87375	1.029416667	0.124583333	0.169166667	0.184166667	0.244166667	6.333333333	8.583333333
WV1016059	001	2004 to 2005	0.672916667	0.788333333	0.09375	0.130833333	0.165833333	0.216666667	6.041666667	8.333333333
WV1016083	DSMF	2003 to 2004								
WV1016083	DSMF	2004 to 2005	0.447	0.626	0.17	0.19	0.03	0.03		
WV1016083	USMF	2003 to 2004								
WV1016083	USMF	2004 to 2005	0.2835	0.412	0.135	0.15	0.03	0.03		
WV1016091	022	2003 to 2004								
WV1016091	022	2004 to 2005	0.056666667	0.056666667	0.1	0.1	0.046666667	0.046666667	4.11	4.11
WV1016091	024	2003 to 2004			0.116666667	0.168888889	0.05	0.066666667	3.036666667	3.074444444
WV1016091	024	2004 to 2005	0.0975	0.12375	0.08	0.09	0.021666667	0.025	3.264166667	3.5275
WV1016113	002	2003 to 2004	0.094833333	0.14425	0.201666667	0.258333333	0.035833333	0.041666667	7.125	10.25
WV1016113	002	2004 to 2005	0.0994375	0.133916667	0.1475	0.183333333	0.040416667	0.050833333	6.291666667	10.08333333
WV1016113	003	2003 to 2004	0.369291667	0.593083333	0.485416583	0.601666667	0.096111	0.120833333	9.486111083	14
WV1016113	003	2004 to 2005	0.188763833	0.261333333	0.53652775	0.655833333	0.144166667	0.173333333	10.77777775	16.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1016113	004	2003 to 2004	0.16775	0.237333333	0.377083333	0.468333333	0.087083333	0.104166667	6.625	9.166666667
WV1016113	004	2004 to 2005	0.168729167	0.268416667	0.624166667	0.7875	0.187916667	0.225833333	8.75	13.58333333
WV1016113	005	2003 to 2004	0.869791667	1.292166667	0.556111083	0.723333333	0.104583333	0.120833333	13.19444417	16.83333333
WV1016113	005	2004 to 2005	0.600708333	0.978666667	0.470416583	0.645833333	0.08125	0.099166667	17.56944383	28.33333333
WV1016113	DS-15	2003 to 2004	0.925291667	1.74775	0.748333333	1.1275	0.07125	0.090833333	15.04166667	24.58333333
WV1016113	DS-15	2004 to 2005	0.155166667	0.232333333	0.497777778	0.666666667	0.057222222	0.068888889	10.61111111	18.33333333
WV1016113	DSMF	2003 to 2004								
WV1016113	DSMF	2004 to 2005	2.2135	2.303	0.645	0.655	0.075	0.075		
WV1016113	DSMF02	2003 to 2004	0.088	0.142083333	0.342916667	0.393333333	0.069166667	0.0775	2.75	2.75
WV1016113	DSMF02	2004 to 2005	0.179111111	0.292222222	0.465	0.605555556	0.1	0.121111111	3.666666667	3.666666667
WV1016113	DSWB	2003 to 2004								
WV1016113	DSWB	2004 to 2005	0.313	0.319	0.3575	0.39	0.03	0.03	16.25	20.5
WV1016113	US-16	2003 to 2004	0.146125	0.176333333	0.217083333	0.2775	0.03125	0.0325	11.16666667	15.66666667
WV1016113	US-16	2004 to 2005	0.120277778	0.167666667	0.310555556	0.427777778	0.034444444	0.038888889	14.16666667	22.33333333
WV1016113	US-17	2003 to 2004	0.09275	0.121083333	0.14	0.1725	0.031666667	0.033333333	6.625	10
WV1016113	US-17	2004 to 2005	0.126555556	0.191555556	0.209444444	0.317777778	0.03	0.03	9	15
WV1016113	US-18	2003 to 2004	0.181083333	0.278916667	0.202083333	0.2825	0.031666667	0.033333333	7.833333333	11.91666667
WV1016113	US-18	2004 to 2005	0.130027778	0.181111111	0.198888889	0.296666667	0.032222222	0.034444444	12.83333333	21.55555556
WV1016113	USMF	2003 to 2004								
WV1016113	USMF	2004 to 2005	3.04175	3.106	0.6425	0.65	0.07	0.07		
WV1016113	USMFAC	2003 to 2004	0.058833333	0.078333333	0.15	0.195	0.03	0.03	4.75	4.75
WV1016113	USMFAC	2004 to 2005	0.149861111	0.248888889	0.236666667	0.282222222	0.034444444	0.038888889	5.333333333	5.333333333
WV1016113	USUWB-1	2003 to 2004								
WV1016113	USUWB-1	2004 to 2005	0.15425	0.195	0.09	0.11	0.03	0.03	9.5	11.5
WV1016113	USUWB-2	2003 to 2004								
WV1016113	USUWB-2	2004 to 2005	0.08075	0.0935	0.08	0.095	0.03	0.03	4.5	4.5
WV1016113	USUWB-3	2003 to 2004								
WV1016113	USUWB-3	2004 to 2005	0.143	0.172	0.1225	0.125	0.03	0.03	11.25	12
WV1016245	001	2003 to 2004	0.068636364	0.087727273	0.362727273	0.442727273	0.154090909	0.189090909	4.471590909	6.988636364
WV1016245	001	2004 to 2005	0.0825	0.099166667	0.298333333	0.316666667	0.142916667	0.183333333	1.708333333	2.416666667
WV1016245	002	2003 to 2004	0.055909091	0.066363636	0.063181818	0.072727273	0.008181818	0.009090909	2.147727273	2.931818182
WV1016245	002	2004 to 2005	0.0515	0.068	0.048	0.06	0	0.007	1.6	2.7
WV1016245	003	2003 to 2004								
WV1016245	003	2004 to 2005	0.03625	0.04625	0.4725	0.5825	0.045625	0.0575	0.9375	1.625
WV1016245	005	2003 to 2004								



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1016245	005	2004 to 2005	0.058333333	0.076666667	0.048333333	0.063333333	0	0.006666667	1.25	2.166666667
WV1016245	006	2003 to 2004								
WV1016245	006	2004 to 2005	0	0	0	0	0	0	0	0
WV1016245	007	2003 to 2004								
WV1016245	007	2004 to 2005	0.01475	0.0205	0.01525	0.022	0	0.0065	1.05	1.55
WV1016245	008	2003 to 2004								
WV1016245	008	2004 to 2005	0.016666667	0.02	0.010833333	0.016666667	0	0.006666667	1.75	2.5
WV1016288	002	2003 to 2004	0.4	0.4	0.212272727	0.281666667	0.105909091	0.1525	7.227272727	10.08333333
WV1016288	002	2004 to 2005	0.4	0.4	0.16375	0.220833333	0.051666667	0.063333333	6.083333333	7.666666667
WV1016288	009	2003 to 2004	0.4	0.4	0.168333333	0.235833333	0.042916667	0.050833333	6.833333333	10
WV1016288	009	2004 to 2005	0.4	0.4	0.12	0.166666667	0.039166667	0.048333333	5.75	7.5
WV1016288	012	2003 to 2004	0.475	0.522222222	0.4925	0.612222222	0.506666667	0.578888889	8.5	10.55555556
WV1016288	012	2004 to 2005	0.46	0.509090909	0.3835	0.515454545	0.664	0.767272727	12.65	17.18181818
WV1016288	014	2003 to 2004	0.4	0.4	0.222	0.262857143	0.168	0.207142857	8.3	10.71428571
WV1016288	014	2004 to 2005	0.4	0.4	0.188333333	0.249166667	0.430833333	0.624166667	8.875	11.66666667
WV1016288	015	2003 to 2004								
WV1016288	015	2004 to 2005		0.4		0.19		0.02		
WV1016288	017	2003 to 2004	0.4	0.4	0.23375	0.289166667	0.217083333	0.2725	5.208333333	7.833333333
WV1016288	017	2004 to 2005	0.4	0.4	0.233333333	0.323333333	0.24125	0.346666667	5.625	7.583333333
WV1016288	019	2003 to 2004	0.4	0.4	0.110909091	0.141666667	0.025	0.029166667	6.454545455	9.083333333
WV1016288	019	2004 to 2005	0.4	0.4	0.10875	0.141666667	0.020833333	0.021666667	9.041666667	13.08333333
WV1016288	024	2003 to 2004	0.4125	0.425	0.17875	0.269166667	0.027083333	0.0325	9.458333333	11.75
WV1016288	024	2004 to 2005	0.4	0.4	0.112083333	0.141666667	0.025833333	0.03	7.833333333	9.75
WV1016288	030	2003 to 2004	0.4125	0.425	0.13875	0.171666667	0.025	0.03	7.166666667	10.91666667
WV1016288	030	2004 to 2005	0.408333333	0.416666667	0.233333333	0.3575	0.033333333	0.043333333	10.875	13.91666667
WV1016288	031	2003 to 2004	0.4125	0.425	0.1825	0.2875	0.025416667	0.030833333	4.125	6
WV1016288	031	2004 to 2005	0.420833333	0.441666667	0.221666667	0.310833333	0.031666667	0.0375	13.125	19.5
WV1016288	032	2003 to 2004	0.4125	0.425	0.126666667	0.1925	0.02375	0.0275	4.833333333	6.5
WV1016288	032	2004 to 2005	0.4	0.4	0.167272727	0.234166667	0.023181818	0.025833333	9.590909091	11.66666667
WV1016288	056	2003 to 2004	0.4	0.4	0.218333333	0.274166667	0.1925	0.234166667	5	7.916666667
WV1016288	056	2004 to 2005	0.4	0.4	0.184090909	0.260833333	0.188636364	0.248333333	5.772727273	8.083333333
WV1016288	057	2003 to 2004	0.4375	0.46	0.39375	0.476	0.04125	0.048	5.25	7.4
WV1016288	057	2004 to 2005	0.4125	0.411111111	0.39125	0.463333333	0.05	0.104444444	6	9.666666667
WV1016296	001	2003 to 2004	0.663833333	0.663833333	0.248333333	0.248333333	0.03	0.03	8.5	8.5
WV1016296	001	2004 to 2005	0.3829	0.5042	0.211	0.222	0.03	0.03	9.3	9.4

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1016326	001	2003 to 2004	0.383333333	0.385	1.297222222	1.327	0.565714286	0.5875	12.11111111	12.95
WV1016326	001	2004 to 2005	0.407083333	0.479166667	1.800416667	2.193333333	0.689375	0.7775	28.625	43.41666667
WV1016512	DNF2	2003 to 2004								
WV1016512	DNF2	2004 to 2005	0.23	0.23	0.1925	0.1925	0.0475	0.0475	3.75	3.75
WV1016512	UNF1	2003 to 2004								
WV1016512	UNF1	2004 to 2005	0.2225	0.2225	0.255	0.255	0.0725	0.0725	3.75	3.75
WV1016539	116	2003 to 2004								
WV1016539	116	2004 to 2005	0.110333333	0.169333333	0.188333333	0.22	0.06	0.08	4.66666667	5.16666667
WV1016539	118	2003 to 2004								
WV1016539	118	2004 to 2005	0.213333333	0.223333333	0.39	0.41	0.5775	0.59	7.625	12.5
WV1016539	119	2003 to 2004								
WV1016539	119	2004 to 2005	0.2375	0.2425	0.815	1.0225	1.245	1.355	4.0625	5.625
WV1016652	001	2003 to 2004	0.502222222	0.591111111	0.197777778	0.297777778	1.997777778	2.372222222	11.66666667	12.44444444
WV1016652	001	2004 to 2005	0.37	0.51	0.088571429	0.117142857	1.147142857	1.503571429	4.035714286	5.571428571
WV1016652	DSTF	2003 to 2004								
WV1016652	DSTF	2004 to 2005	0.456363636	0.591818182	0.329090909	0.583636364	1.481818182	2.378181818		
WV1016652	USTF	2003 to 2004								
WV1016652	USTF	2004 to 2005	0.31	0.408181818	0.112727273	0.178181818	0.124545455	0.21		
WV1016679	001	2003 to 2004	0.88	1.337272727	0.332727273	0.409090909	4.435454545	7.452727273	9.090909091	12.18181818
WV1016679	001	2004 to 2005	0.691666667	1.03	0.283333333	0.524166667	4.315	7.449166667	10.91666667	17
WV1016679	002	2003 to 2004	0.317272727	0.450909091	0.162727273	0.248181818	0.13	0.223636364	18.81818182	24.72727273
WV1016679	002	2004 to 2005	0.281111111	0.464444444	0.111111111	0.144444444	0.022222222	0.026666667	25.11111111	32.44444444
WV1016679	004	2003 to 2004	0.43625	0.46625	0.19	0.21	0.07875	0.08375	12	13
WV1016679	004	2004 to 2005	0.218181818	0.335454545	0.131818182	0.172727273	0.130909091	0.223636364	15.72727273	19.63636364
WV1016679	005	2003 to 2004	0.265	0.265	0.315	0.315	0.105	0.105	4	4
WV1016679	005	2004 to 2005	0.6	0.6	0.315	0.315	0.015	0.015	4	4
WV1016679	006	2003 to 2004	0.295	0.3625	0.31625	0.445	0.42	0.62625	5	5.75
WV1016679	006	2004 to 2005	0.217777778	0.272222222	0.241111111	0.312222222	0.776666667	0.88	7.11111111	10.44444444
WV1016679	009	2003 to 2004	0.376363636	0.520909091	0.236363636	0.328181818	1.392727273	2.158181818	6.727272727	9.090909091
WV1016679	009	2004 to 2005	0.244166667	0.3675	0.1825	0.284166667	1.865833333	2.264166667	17.33333333	41.33333333
WV1016679	013	2003 to 2004	0.432727273	0.607272727	0.221818182	0.340909091	3.292727273	4.637272727	17.63636364	24.36363636
WV1016679	013	2004 to 2005	0.303333333	0.500833333	0.215	0.324166667	4.344166667	5.775833333	20.66666667	32
WV1016679	016	2003 to 2004	0.92	0.92	2.57	2.57	0.02	0.02	110	110
WV1016679	016	2004 to 2005	0.33	0.4225	0.1825	0.195	0.1075	0.1375	22.375	30.25
WV1016679	017	2003 to 2004	0.410909091	0.524545455	0.123636364	0.147272727	0.356363636	0.484545455	5.909090909	7.454545455

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1016679	017	2004 to 2005	0.2375	0.33	0.125833333	0.17	0.161666667	0.2	7.833333333	9.333333333
WV1016679	018	2003 to 2004	0.519090909	0.77	0.253636364	0.315454545	3.498181818	4.671818182	5.909090909	7.272727273
WV1016679	018	2004 to 2005	0.285833333	0.52	0.3875	0.590833333	5.226666667	6.6575	9.5	15.16666667
WV1016679	020	2003 to 2004	0.637272727	0.964545455	0.376363636	0.491818182	2.526363636	3.223636364	18.90909091	30
WV1016679	020	2004 to 2005	0.374166667	0.6475	0.3	0.468333333	3.68	4.713333333	7.5	11.83333333
WV1016679	DBHC58	2003 to 2004								
WV1016679	DBHC58	2004 to 2005	0.252857143	0.372857143	0.158571429	0.24	0.641428571	0.895714286		
WV1016679	DJSB66	2003 to 2004								
WV1016679	DJSB66	2004 to 2005	0.25125	0.38	0.1475	0.21875	0.32875	0.47625		
WV1016717	001	2003 to 2004		0.4		0.25		0.24		23
WV1016717	001	2004 to 2005								
WV1016725	013	2003 to 2004	0.18	0.21	0.12	0.168	0.91	1.232	5.602	7.268
WV1016725	013	2004 to 2005	0.2725	0.3925	0.13	0.19	1.068333333	1.488333333	6.166666667	8.806666667
WV1016733	001	2003 to 2004	0.278333333	0.355	0	0.295	1.089583333	1.8	13.70833333	20.08333333
WV1016733	001	2004 to 2005	1.36	2.388888889	0	0	0.910555556	1.555	0	0
WV1016741	003	2003 to 2004								
WV1016741	003	2004 to 2005	0.06	0.06	0.24	0.24	0.01	0.01	4	4
WV1016741	004	2003 to 2004	0.2775	0.405	0.1475	0.193333333	0.09	0.138333333	4.25	4.333333333
WV1016741	004	2004 to 2005	0.273636364	0.367272727	0.140909091	0.180909091	0.034545455	0.040909091	4	4
WV1016768	001	2003 to 2004								
WV1016768	001	2004 to 2005	0	0	0	0	0	0	0	0
WV1016776	001	2003 to 2004	0.462727273	0.594545455	0.157272727	0.248181818	0.105454545	0.138181818	5.363636364	6.363636364
WV1016776	001	2004 to 2005	0.301666667	0.388333333	0.150833333	0.206666667	0.1925	0.224166667	8.833333333	11.16666667
WV1016776	002	2003 to 2004	0.5	0.683636364	0.238181818	0.370909091	0.146363636	0.241818182	17.54545455	24.90909091
WV1016776	002	2004 to 2005	0.446666667	0.6775	0.179166667	0.245833333	0.106666667	0.178333333	21.25	27.5
WV1016776	003	2003 to 2004	0.517272727	0.690909091	0.191818182	0.235454545	0.430909091	0.575454545	6.181818182	7.636363636
WV1016776	003	2004 to 2005	0.381666667	0.5375	0.319166667	0.420833333	0.514166667	0.671666667	9.5	11.66666667
WV1016776	004	2003 to 2004	0.476363636	0.653636364	0.172727273	0.252727273	0.208181818	0.301818182	12.09090909	18
WV1016776	004	2004 to 2005	0.3875	0.583333333	0.2675	0.451666667	0.2825	0.3475	16.5	19.83333333
WV1016776	005	2003 to 2004	0.83	1.253636364	0.817272727	1.198181818	0.116363636	0.163636364	28.18181818	48
WV1016776	005	2004 to 2005	0.560909091	0.862727273	0.461818182	0.641818182	0.129090909	0.17	10.63636364	15.81818182
WV1016776	006	2003 to 2004	0.627272727	0.805454545	0.26	0.411818182	0.185454545	0.286363636	4.818181818	5.636363636
WV1016776	006	2004 to 2005	0.42	0.575	0.136666667	0.195	0.320833333	0.3925	7.666666667	9.833333333
WV1016776	013	2003 to 2004	3.98	4.053333333	1.823333333	1.843333333	0.036666667	0.04	82.66666667	86
WV1016776	013	2004 to 2005	0.524166667	0.649166667	0.316666667	0.435833333	0.0575	0.081666667	22.08333333	32

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1016776	041	2003 to 2004	0.503636364	0.692727273	0.16	0.238181818	0.274545455	0.403636364	8.909090909	12.54545455
WV1016776	041	2004 to 2005	0.365454545	0.538181818	0.167272727	0.229090909	0.352727273	0.452727273	9.818181818	11.81818182
WV1016776	042	2003 to 2004	0.533636364	0.747272727	0.428181818	0.665454545	0.11	0.18	17.81818182	27.63636364
WV1016776	042	2004 to 2005	0.457272727	0.705454545	0.196363636	0.288181818	0.05	0.062727273	9.909090909	14.36363636
WV1016776	043	2003 to 2004	0.874444444	1.033333333	0.813333333	0.925555556	0.544444444	0.721111111	39.66666667	45.77777778
WV1016776	043	2004 to 2005	0.584444444	0.616666667	1.181111111	1.628888889	1.156666667	1.366666667	19.88888889	22.22222222
WV1016776	045	2003 to 2004	0.373636364	0.504545455	0.098181818	0.149090909	0.032727273	0.042727273	7.090909091	8.727272727
WV1016776	045	2004 to 2005	0.2125	0.31	0.081666667	0.103333333	0.043333333	0.0625	9.583333333	12
WV1016776	046	2003 to 2004	0.389090909	0.530909091	0.110909091	0.157272727	0.115454545	0.192727273	10.45454545	13.81818182
WV1016776	046	2004 to 2005	0.2325	0.3575	0.185833333	0.300833333	0.0575	0.075	24.58333333	40.83333333
WV1016776	047	2003 to 2004	0.323636364	0.47	0.124545455	0.191818182	0.093636364	0.139090909	15	17.81818182
WV1016776	047	2004 to 2005	0.275833333	0.44	0.123333333	0.1725	0.149166667	0.215833333	23.08333333	32.16666667
WV1016776	048	2003 to 2004	0.378333333	0.421666667	0.205	0.22	0.106666667	0.11	4.5	5
WV1016776	048	2004 to 2005	0.158	0.158	0.114	0.114	0.026	0.026	7.2	7.2
WV1016776	049	2003 to 2004	0.302727273	0.45	0.233636364	0.311818182	0.111818182	0.159090909	8.363636364	10.36363636
WV1016776	049	2004 to 2005	0.294166667	0.399166667	0.340833333	0.520833333	0.261666667	0.393333333	16.33333333	21.83333333
WV1016776	050	2003 to 2004	0.344545455	0.427272727	0.158181818	0.197272727	0.240909091	0.401818182	7.090909091	9.272727273
WV1016776	050	2004 to 2005	0.346	0.486	0.338	0.463	0.292	0.369	13.3	19
WV1016776	051	2003 to 2004	0.27	0.45	0.045	0.065	0.085	0.13	14.5	19
WV1016776	051	2004 to 2005	0.36	0.36	0.03	0.03	0.01	0.01	10	10
WV1016776	052	2003 to 2004	0.246	0.356	0.276	0.374	0.532	0.896	5.8	7.6
WV1016776	052	2004 to 2005								
WV1016776	053	2003 to 2004	0.517272727	0.646363636	0.200909091	0.264545455	0.390909091	0.658181818	10.18181818	11.45454545
WV1016776	053	2004 to 2005	0.3025	0.428333333	0.1825	0.281666667	0.84	1.121666667	7.416666667	9.333333333
WV1016784	001	2003 to 2004	0.0575	0.078	0.051	0.071	0.0845	0.13	5.55	8.6
WV1016784	001	2004 to 2005								
WV1016784	002	2003 to 2004	0.0625	0.088	0.116	0.154	0.105	0.176	8.05	13.475
WV1016784	002	2004 to 2005								
WV1016784	041	2003 to 2004								
WV1016784	041	2004 to 2005	0.11	0.14	0.135	0.17	0.11	0.16	0	1
WV1016784	044	2003 to 2004	0.134	0.2195	0.10075	0.1585	0.0515	0.083	104.1313	205.2375
WV1016784	044	2004 to 2005	0.112045455	0.121818182	0.129772727	0.142727273	0.044772727	0.048181818	1.886363636	2.090909091
WV1016784	047	2003 to 2004	0	0	0.01	0.01	0.05	0.05	0	0
WV1016784	047	2004 to 2005								
WV1016849	001	2003 to 2004	0.407142857	0.41	0.207142857	0.252	0.025714286	0.028	8.714285714	11.8

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1016849	001	2004 to 2005	0.4125	0.42	0.22625	0.33	0.0275	0.028	9.375	14.4
WV1016849	002	2003 to 2004	0.640909091	0.881818182	1.055	1.846363636	0.320909091	0.393636364	46.86363636	89.45454545
WV1016849	002	2004 to 2005	0.686363636	0.833333333	0.576818182	0.859166667	0.230454545	0.279166667	9.5	11.66666667
WV1016849	003	2003 to 2004	0.2965	0.324666667	0.385	0.456666667	0.028333333	0.033333333	11	12.33333333
WV1016849	003	2004 to 2005	0.371	0.5	0.22	0.35	0.025	0.026666667	7.25	8.666666667
WV1016849	004	2003 to 2004	0.351	0.372	0.21	0.293333333	0.049	0.07	8.05	11.33333333
WV1016849	004	2004 to 2005	0.44	0.466666667	0.3695	0.525833333	0.035	0.04	12	17.5
WV1016865	001	2003 to 2004								
WV1016865	001	2004 to 2005	0.373333333	0.596666667	0	0	0	0	0	0
WV1016865	002	2003 to 2004								
WV1016865	002	2004 to 2005	0.437333333	0.741666667	0.625	0.953333333	0.351666667	0.47	19.66666667	27
WV1016865	003	2003 to 2004								
WV1016865	003	2004 to 2005	0.405	0.74	0	0	0	0	0	0
WV1016881	001	2003 to 2004	0.17	0.207142857	0	0	0	0	0	0
WV1016881	001	2004 to 2005	0.961666667	1.7775	0	0	1.077916667	2.146666667	6.0625	10.91666667
WV1016890	008	2003 to 2004	0.13775	0.22	0.08875	0.134	0.0335	0.048	3.175	5.375
WV1016890	008	2004 to 2005	0.046388889	0.067777778	0.044444444	0.058888889	0.015833333	0.023333333	2.666666667	4.277777778
WV1016890	015	2003 to 2004	0.08925	0.108	0.06925	0.093	0.02725	0.04	2.8	4.4125
WV1016890	015	2004 to 2005	0.24125	0.2675	0.183125	0.2	0.020625	0.03	15.4375	22.25
WV1016890	023	2003 to 2004	0.113571429	0.115	0.083928571	0.088571429	0.023571429	0.023571429	1.910714286	1.910714286
WV1016890	023	2004 to 2005	0.091666667	0.093333333	0.078333333	0.08	0.041666667	0.0425	2.083333333	2.166666667
WV1016911	001	2003 to 2004	0.291818182	0.383636364	0	0	0	0	0	0
WV1016911	001	2004 to 2005	0.294285714	0.422857143	0	0	0	0	0	0
WV1016911	002	2003 to 2004	0.1975	0.274166667	0	0	0	0	0	0
WV1016911	002	2004 to 2005	0.08	0.16	0	0	0	0	0	0
WV1016938	001	2003 to 2004	0.429166667	0.458333333	0.3725	0.556666667	0.10125	0.131666667	13.79166667	20.66666667
WV1016938	001	2004 to 2005	0.408333333	0.416666667	0.423333333	0.513333333	0.110416667	0.129166667	10.45833333	14.33333333
WV1016938	019	2003 to 2004	0.4125	0.3725	0.32625	0.430833333	0.082083333	0.1125	12.5	17.41666667
WV1016938	019	2004 to 2005	0.404166667	0.408333333	0.289166667	0.4225	0.088333333	0.1025	8.375	12.58333333
WV1016946	001	2003 to 2004	0.042291667	0.058333333	0.071458333	0.095	0.029166667	0.045	2.625	3.34375
WV1016946	001	2004 to 2005	0.032083333	0.055	0.092638892	0.160833333	0.127638917	0.350833333	2.381944417	4.125
WV1016946	002	2003 to 2004	0.0575	0.081666667	0.12	0.1725	0.026458333	0.038333333	2.692708333	3.604166667
WV1016946	002	2004 to 2005	0.077708333	0.098333333	0.218333333	0.303333333	0.015208333	0.020833333	4.4375	6.541666667
WV1016946	003	2003 to 2004	0.304	0.511666667	0.386791667	0.72	0.136333333	0.181666667	2.364583333	5.40625
WV1016946	003	2004 to 2005	0.292118058	0.4775	0.313680553	0.4475	0.139027783	0.179166667	2.583333333	6.833333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1016946	004	2003 to 2004	0.044791667	0.062083333	0.101875	0.130833333	0.1825	0.200833333	2.104166667	2.416666667
WV1016946	004	2004 to 2005	0.059166667	0.10125	0.069375	0.098333333	0.370416667	0.409166667	1.354583333	2.125
WV1016946	007	2003 to 2004	0.042916667	0.066666667	0.1225	0.158333333	0.02375	0.035833333	2.296875	2.958333333
WV1016946	007	2004 to 2005	0.18125	0.235833333	0.302708333	0.376666667	0.026458333	0.032083333	3.958333333	6.333333333
WV1016946	008	2003 to 2004	0.055208333	0.076666667	0.068333333	0.093333333	0.03625	0.0525	2.979166667	4.260416667
WV1016946	008	2004 to 2005	0.031041667	0.048333333	0.031458333	0.04875	0.015416667	0.021666667	2.541666667	3.875
WV1016954	001	2003 to 2004	0.403333333	0.433333333	0.283333333	0.306666667	0.021666667	0.026111111	5.298611111	6.166666667
WV1016954	001	2004 to 2005	0.058214286	0.072142857	0.097857143	0.120714286	0.017857143	0.024285714	1.285714286	1.571428571
WV1016962	001	2003 to 2004	0.404166667	0.5	0.300833333	0.376666667	0.264166667	0.3675	5.833333333	7.666666667
WV1016962	001	2004 to 2005	0.301818182	0.416363636	0.154090909	0.202272727	0.085909091	0.107727273	2.886363636	3.909090909
WV1016962	002	2003 to 2004	0.395	0.483333333	0.179166667	0.210833333	0.160833333	0.186666667	5.166666667	6
WV1016962	002	2004 to 2005	0.288181818	0.372727273	0.101363636	0.135	0.065909091	0.091818182	2.681818182	3.636363636
WV1016962	003	2003 to 2004	0.376666667	0.438333333	0.196666667	0.246666667	0.365	0.505	8.083333333	9.166666667
WV1016962	003	2004 to 2005	2.014545455	3.854545455	0.107272727	0.140909091	0.082727273	0.100909091	3.022727273	4.090909091
WV1016962	005	2003 to 2004								
WV1016962	005	2004 to 2005	0.16	0.16	0.27	0.27	0.01	0.01	4	4
WV1016962	006	2003 to 2004	0.22	0.256666667	0.223333333	0.25	0.026666667	0.04	5	6
WV1016962	006	2004 to 2005	0.165	0.255	0.2	0.2475	0.065	0.12	2.375	2.75
WV1016962	007	2003 to 2004	0.437142857	0.554285714	0.262857143	0.341428571	0.38	0.447142857	10.71428571	11.71428571
WV1016962	007	2004 to 2005	0.266666667	0.326666667	0	0	0	0	0	0
WV1016962	008	2003 to 2004	0.26	0.315	0.1525	0.1675	0.905	1.155	4.75	5.5
WV1016962	008	2004 to 2005	0.252	0.318	0.144	0.197	0.341	0.444	3.2	4.7
WV1016962	009	2003 to 2004	0.33	0.41	0.15	0.23	0.055	0.085	9.5	15
WV1016962	009	2004 to 2005	0.294	0.382	0.1	0.121	0.057	0.083	1.7	1.8
WV1016962	013	2003 to 2004	0.335	0.335	0.185	0.185	0.065	0.065	7	7
WV1016962	013	2004 to 2005								
WV1016962	DTC-1	2003 to 2004								
WV1016962	DTC-1	2004 to 2005	0.297777778	0.382222222	0.412222222	0.651111111	0.066666667	0.095555556		
WV1016962	UTC-1	2003 to 2004								
WV1016962	UTC-1	2004 to 2005	0.277777778	0.355555556	0.331111111	0.465555556	0.086666667	0.103333333		
WV1016971	001	2003 to 2004	0.425	0.45	0.536	0.653	1.4025	1.711	4.6	6
WV1016971	001	2004 to 2005	0.350541667	0.435666667	0.643333333	0.724166667	1.005416667	1.149166667	4.5	6.416666667
WV1016997	001	2003 to 2004	0.466666667	0.533333333	1.44625	0.8375	0.198333333	0.244166667	10.83333333	14.83333333
WV1016997	001	2004 to 2005	0.4	0.4	0.335	0.369	0.255625	0.276	8.8125	9.8
WV1016997	002	2003 to 2004	0.625	0.85	1.015	1.445	0.2225	0.31	8	10.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1016997	002	2004 to 2005	0.475	0.58	0.4525	0.598	1.1775	1.672	11.75	14.2
WV1016997	004	2003 to 2004								
WV1016997	004	2004 to 2005	0.69	0.733333333	1.1	1.245	0.151	0.188333333	27.2	31.66666667
WV1016997	005	2003 to 2004								
WV1016997	005	2004 to 2005	0.516666667	0.4875	0.569166667	0.59375	0.236666667	0.2575	17.16666667	22.875
WV1016997	006	2003 to 2004								
WV1016997	006	2004 to 2005	0.625	2.26	1.25	1.084	0.405	1.632	16.75	15.4
WV1016997	007	2003 to 2004								
WV1016997	007	2004 to 2005	0.4	0.4	0.1525	0.195	3.03	3.96	9	11
WV1016997	008	2003 to 2004								
WV1016997	008	2004 to 2005	0.4	0.4	0.1	0.135	0.06	0.06	1	1
WV1016997	009	2003 to 2004								
WV1016997	009	2004 to 2005	0.707142857	0.957142857	0.808571429	1.117142857	1.645714286	2.071428571	15.78571429	18.57142857
WV1016997	010	2003 to 2004								
WV1016997	010	2004 to 2005	0.561111111	0.63	0.503333333	0.652	5.963888889	6.558	12.11111111	17.5
WV1016997	015	2003 to 2004	0.4	0.4	0.43	0.27	0.11	0.333333333	22	18.66666667
WV1016997	015	2004 to 2005	0.4	0.4	0.151111111	0.209	0.236666667	0.469	15.88888889	21.8
WV1016997	018	2003 to 2004		0.4		0.12		0.45		1
WV1016997	018	2004 to 2005	0.4	0.966666667	0.34	1.66	0.145	0.416666667	22	53
WV1016997	019	2003 to 2004								
WV1016997	019	2004 to 2005		0.9		1.89		0.81		104
WV1016997	020	2003 to 2004								
WV1016997	020	2004 to 2005	0.4	0.55	0.155	0.6725	0.08	0.285	7	19.25
WV1016997	D001	2003 to 2004	1.104166667	0.516666667	0.68375	0.883333333	0.910833333	1.1875		
WV1016997	D001	2004 to 2005	0.425	0.45	0.5875	0.77	0.4925	0.6075		
WV1017004	001	2003 to 2004	1.104545455	1.663636364	2.296363636	4.330454545	0	0	272.0454545	539.7272727
WV1017004	001	2004 to 2005	1.551666667	2.985	2.689166667	5.269166667	0	0	0	0
WV1017004	002	2003 to 2004	4.13	6.0775	0	0	0	0	18.4375	33.625
WV1017004	002	2004 to 2005	0.884	1.484	0	0	0	0	23.8	45.2
WV1017080	002	2003 to 2004	0.201666667	0.28	0	0	0	0	0	0
WV1017080	002	2004 to 2005	0.13	0.255	0	0	0	0	18.5625	37.125
WV1017080	006	2003 to 2004	0.162727273	0.275454545	0	0	0	0	6.5	0
WV1017080	006	2004 to 2005	0.224444444	0.411111111	0	0	0	0	0	0
WV1017080	007	2003 to 2004	0.243636364	0.374545455	0	0	0	0	0	0
WV1017080	007	2004 to 2005	0.218888889	0.385555556	0	0	0	0	0	0

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1017080	031	2003 to 2004								
WV1017080	031	2004 to 2005	0.07	0.07	0	0	0	0	0	0
WV1017080	036	2003 to 2004	0.23	0.285833333	0	0	0	0	0	0
WV1017080	036	2004 to 2005	0.381666667	0.515	0	0	0	0	0	0
WV1017080	044	2003 to 2004	0.321	0.512	0.671	1.3095	0	0	0	0
WV1017080	044	2004 to 2005	0.335	0.451666667	0	0	0	0	8.136363636	0
WV1017098	DPB	2003 to 2004								
WV1017098	DPB	2004 to 2005	0.39	0.51	0.37	0.602	0.309	0.476		
WV1017136	001	2003 to 2004	0.4	0.4	0.4	0.44	0.075	0.12	12.5	16
WV1017136	001	2004 to 2005								
WV1017144	001	2003 to 2004	0.479166667	0.621666667	0.161666667	0.208333333	0.166666667	0.218333333	7.916666667	9.166666667
WV1017144	001	2004 to 2005	0.416666667	0.560833333	0.084166667	0.119166667	0.09125	0.120416667	3.708333333	5.291666667
WV1017144	005	2003 to 2004	0.77	0.85	0.286363636	0.319090909	0.927272727	1.465454545	10.36363636	12
WV1017144	005	2004 to 2005	0.475	0.671666667	0.174583333	0.253333333	0.461666667	0.464166667	4.395833333	6.666666667
WV1017144	008	2003 to 2004	0.405454545	0.524545455	0.292727273	0.398181818	0.206363636	0.322727273	5.727272727	6.909090909
WV1017144	008	2004 to 2005	0.3675	0.5025	0.127083333	0.154583333	0.046666667	0.062083333	2.479166667	3.541666667
WV1017144	009	2003 to 2004								
WV1017144	009	2004 to 2005	0.15	0.15	0.3	0.3	0.01	0.01	4	4
WV1017144	014	2003 to 2004	0.637272727	0.955454545	0.156363636	0.188181818	0.316363636	0.436363636	31.72727273	58.54545455
WV1017144	014	2004 to 2005	0.4	0.514166667	0.09375	0.110416667	0.080833333	0.102916667	3.416666667	5.041666667
WV1017144	018	2003 to 2004	0.328181818	0.404545455	0.172727273	0.204545455	0.181818182	0.285454545	7.181818182	9.454545455
WV1017144	018	2004 to 2005	0.3825	0.48	0.09	0.1175	0.069583333	0.102083333	3.75	6.083333333
WV1017144	022	2003 to 2004	0.37	0.467272727	0.215454545	0.29	0.189090909	0.285454545	6.636363636	8.727272727
WV1017144	022	2004 to 2005	0.305833333	0.428333333	0.115	0.146666667	0.137916667	0.235416667	3.8125	6.166666667
WV1017144	024	2003 to 2004	0.381	0.448	0.32	0.352	0.188	0.288	8.6	8.8
WV1017144	024	2004 to 2005								
WV1017152	003	2003 to 2004	0	0.423333333	0	0	0	0	0	0
WV1017152	003	2004 to 2005								
WV1017152	012	2003 to 2004	0.312857143	0.441428571	0	0	0	0	0	0
WV1017152	012	2004 to 2005								
WV1017152	014	2003 to 2004	0.266875	0.3525	0.080625	0.10875	0.113125	0.14875	0	0
WV1017152	014	2004 to 2005	0.058125	0.083333333	0.070625	0.109166667	0.080416667	0.105833333	2.104166667	3.208333333
WV1017152	019	2003 to 2004	0.055	0.06	0.05	0.09	0.41	0.79	0	0
WV1017152	019	2004 to 2005	0.059583333	0.0875	0.098958333	0.153333333	0.123125	0.17	1.1875	1.791666667
WV1017152	031	2003 to 2004	0.316666667	0.396666667	0.08375	0.122916667	0.089583333	0.1125	3.895833333	5.583333333



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1017152	031	2004 to 2005	0.147291667	0.199166667	0.129375	0.178333333	0.287291667	0.360833333	2.875	4.541666667
WV1017152	037	2003 to 2004	0.1075	0.155	0.1875	0.265	0.405	0.5475	0	4
WV1017152	037	2004 to 2005	0.07875	0.111666667	0.262291667	0.369166667	0.369791667	0.46875	4.958333333	8.75
WV1017152	039	2003 to 2004	0.41	0.602727273	0	0	0	0	0	0
WV1017152	039	2004 to 2005								
WV1017161	001	2003 to 2004	0.311111111	0.398888889	0.145555556	0.184444444	0.146666667	0.166666667	4.111111111	4.222222222
WV1017161	001	2004 to 2005	0.286666667	0.411666667	0.107916667	0.160833333	0.10375	0.137916667	1.729166667	2.416666667
WV1017161	003	2003 to 2004	0.6025	0.78	0.5	0.9025	0.8875	1.1525	10.5	11.5
WV1017161	003	2004 to 2005	0.4	0.56	0.0225	0.03875	0.13	0.25	6.6875	8.375
WV1017161	006	2003 to 2004	0.373	0.464	0.14	0.212	0.867	1.195	4.8	5
WV1017161	006	2004 to 2005	0.308333333	0.395	0.064166667	0.098333333	0.454166667	0.590416667	3.708333333	4.458333333
WV1017179	001	2003 to 2004	0.4	0.4	0.994166667	1.346666667	0.63	0.831666667	7.75	11
WV1017179	001	2004 to 2005	0.68065	1.0249	0.897	1.128	0.7495	0.823	8.65	13.9
WV1017187	001	2003 to 2004								
WV1017187	001	2004 to 2005	0.313333333	0.433333333	0.426666667	0.623333333	0.373333333	0.666666667	26.88666667	38.44666667
WV1017217	002	2003 to 2004	0.4	0.3705	0.218333333	0.299	0.337777778	0.404	2.944444444	4.2
WV1017217	002	2004 to 2005	0.383166667	0.38375	0.402916667	0.489166667	0.370416667	0.424166667	4.875	6.666666667
WV1017217	004	2003 to 2004	1.077777778	0.45	0.405555556	0.616	0.571666667	0.757	6.277777778	10.3
WV1017217	004	2004 to 2005	0.742636364	1.047166667	0.495	0.665833333	1.293636364	2.006666667	13.40909091	18
WV1017217	008	2003 to 2004	0.405	0.41	0.3465	0.423	0.6615	0.716	7.75	11.9
WV1017217	008	2004 to 2005	0.391333333	0.393666667	0.345	0.365833333	0.58125	0.62	13.66666667	18.58333333
WV1017217	010	2003 to 2004	0.455	0.5	0.5965	0.665	2.904	3.962	10.9	14.1
WV1017217	010	2004 to 2005	0.51825	0.545083333	0.649166667	0.7775	2.408333333	3.119166667	17	25.08333333
WV1017217	011	2003 to 2004	0.4	0.4	0.3955	0.542	1.197	1.438	9	13.9
WV1017217	011	2004 to 2005	0.72785	1.009090909	0.338	0.428181818	0.6665	0.808181818	6.85	9.727272727
WV1017217	021	2003 to 2004	0.4	0.4	0.08	0.105	0.295	2.465	19	12
WV1017217	021	2004 to 2005	0.4	0.4	0.05	0.05	0.25	0.43	17	18
WV1017217	025	2003 to 2004	0.4	0.7	0.365	1.345	1.71	2.625	30	39
WV1017217	025	2004 to 2005								
WV1017217	026	2003 to 2004		0.7		0.5		0.84		23
WV1017217	026	2004 to 2005								
WV1017217	031	2003 to 2004	0.471428571	0.525	0.272142857	0.40875	1.554285714	1.695	14.21428571	19.75
WV1017217	031	2004 to 2005	0.394428571	0.416222222	0.132142857	0.228888889	6.014285714	5.634444444	16.64285714	18.33333333
WV1017225	001	2003 to 2004	1.19	1.397142857	0.821428571	1.012857143	0.352857143	0.384285714	30.42857143	35.42857143
WV1017225	001	2004 to 2005	0.3475	0.47	0.32	0.44	0.0625	0.0625	8	12

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1017225	002	2003 to 2004	0.516363636	0.673636364	0.795454545	0.890909091	0.528181818	0.864545455	8.909090909	12.54545455
WV1017225	002	2004 to 2005	0.434	0.485	0.602	0.672	0.782	0.903	14.8	17.8
WV1017225	004	2003 to 2004	0.478181818	0.573636364	0.109090909	0.155454545	0.058181818	0.079090909	4.545454545	5.090909091
WV1017225	004	2004 to 2005	0.390833333	0.536666667	0.205833333	0.255833333	0.041666667	0.045833333	15.83333333	18.66666667
WV1017241	002	2003 to 2004	3.658	5.911	1.367	1.976	0	0	33.75	45.9
WV1017241	002	2004 to 2005	0.57375	0.81375	0.35625	0.644375	0.1375	0.256875	0	0
WV1017241	003	2003 to 2004								
WV1017241	003	2004 to 2005	0.698181818	0.967272727	0.586818182	0.920909091	0.645	0.68	22.06818182	23.5
WV1017268	001	2003 to 2004			0.34	0.34	0.13	0.13	8	8
WV1017268	001	2004 to 2005	0.08	0.08	0.37	0.37	0.13	0.13	10	10
WV1017268	002	2003 to 2004			0.36	0.36	0.12	0.12	14	14
WV1017268	002	2004 to 2005								
WV1017276	001	2003 to 2004	0.001	0.001	0.388	0.388	0.949	0.949	9	9
WV1017276	001	2004 to 2005								
WV1017276	005	2003 to 2004								
WV1017276	005	2004 to 2005	0.091	0.091	0.135	0.135	0.163	0.163	7	7
WV1017276	007	2003 to 2004	0.132090909	0.132727273	0.252609091	0.318363636	0.36785	0.438245455	7.136363636	8.636363636
WV1017276	007	2004 to 2005	0.1461	0.1962	0.7587	0.9785	1.2522	1.5057	6.65	8.1
WV1017276	008	2003 to 2004	0.113954545	0.122181818	0.482422727	0.777818182	0.085181818	0.108454545	10.18181818	13.18181818
WV1017276	008	2004 to 2005	0.1898	0.2471	0.2315	0.299	0.2201	0.2793	14.7	17
WV1017276	011	2003 to 2004								
WV1017276	011	2004 to 2005	0.46983	0.60706	0.468	0.5482	0.179	0.3064	20.4	31.2
WV1017373	002	2003 to 2004	0.128454545	0.168818182	0.303	0.371454545	1.506772727	1.749272727	8.136363636	12
WV1017373	002	2004 to 2005	0.17525	0.230666667	0.27225	0.349833333	1.64725	1.957083333	4.708333333	5.333333333
WV1017373	003	2003 to 2004	0.127818182	0.166181818	0.295818182	0.360636364	0.433590909	0.494	7.272727273	10.45454545
WV1017373	003	2004 to 2005	0.179541667	0.229916667	0.357708333	0.425916667	0.535083333	0.606	5.875	7.416666667
WV1017373	004	2003 to 2004	0.156681818	0.210272727	0.285863636	0.435545455	0.473318182	0.604727273	7.863636364	12
WV1017373	004	2004 to 2005	0.145791667	0.169	0.140458333	0.209333333	0.392583333	0.481166667	4.666666667	6.375
WV1017373	007	2003 to 2004	0.075	0.105	0.27425	0.3105	0.05325	0.0605	3	4
WV1017373	007	2004 to 2005	0.213666667	0.213666667	0.169666667	0.169666667	0.109666667	0.109666667	11.66666667	11.66666667
WV1017373	008	2003 to 2004								
WV1017373	008	2004 to 2005	0.411	0.411	0.103	0.103	0.148	0.148	3	0
WV1017373	009	2003 to 2004	0.061	0.086	0.26325	0.2955	0.05175	0.0595	5.75	9
WV1017373	009	2004 to 2005	0.1675	0.1675	0.101	0.101	0.06575	0.06575	5.75	5
WV1017403	008	2003 to 2004	0.471785714	0.543714286	0.573785714	0.664285714	0.380785714	0.432714286	15.14285714	20.85714286

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1017403	008	2004 to 2005	0.237	0.312777778	0.391666667	0.482222222	0.232666667	0.247555556	17.55555556	26.44444444
WV1017403	009	2003 to 2004	1.291181818	1.718	1.413909091	1.823909091	0.156727273	0.171818182	16.81818182	25.45
WV1017403	009	2004 to 2005	0.926181818	318.3692727	1.487909091	2.269454545	0.199681818	0.288454545	25.36363636	37.45454545
WV1017411	DUTMR-2	2003 to 2004	0.823633333	0.9473	9.537566667	11.34256667	2.477466667	2.802466667		
WV1017411	DUTMR-2	2004 to 2005	0.365	0.365	10.15	10.15	1.82	1.82		
WV1017411	DUTSR-5	2003 to 2004	1.376333333	1.376333333	0.908	0.908	0.445433333	0.61815		
WV1017411	DUTSR-5	2004 to 2005	0.475	0.475	0.34	0.34	0.095	0.095		
WV1017420	001	2003 to 2004	0.098571429	0.122857143	0.37	0.42	0.294285714	0.34	2.714285714	3.428571429
WV1017420	001	2004 to 2005	0.075	0.091666667	0.236666667	0.27	0.143333333	0.171666667	2.833333333	3.666666667
WV1017438	001	2003 to 2004								
WV1017438	001	2004 to 2005	0.645	0.645	0.732	0.732	0.314	0.314	60	60
WV1017438	003	2003 to 2004	3.66	3.66	0.42	0.42	0.118	0.118	174	174
WV1017438	003	2004 to 2005	0.7295	0.8295	0.0485	0.0535	0.8375	1.0925	21	34.5
WV1017438	008	2003 to 2004								
WV1017438	008	2004 to 2005	0.2813	0.3153	0.1851	0.3073	0.15585	0.2287	5.92145	7.7
WV1017438	009	2003 to 2004								
WV1017438	009	2004 to 2005	1.192333333	1.804	1.192833333	1.776	1.005666667	1.117	140.5	246
WV1017462	001	2003 to 2004	0.01	0.01	0.311	0.311	0.196	0.196	19	19
WV1017462	001	2004 to 2005								
WV1017462	002	2003 to 2004	0.01	0.01	0.1885	0.1885	2.34	2.34	1.5	1.5
WV1017462	002	2004 to 2005	4.92	4.92	0.53	0.53	3.062	3.062	1	1
WV1017462	003	2003 to 2004	0.12	0.12	0.64	0.64	1.037	1.037	27.5	27.5
WV1017462	003	2004 to 2005								
WV1017462	005	2003 to 2004	0.18	0.18	0.25	0.25	2.367	2.367	1	1
WV1017462	005	2004 to 2005								
WV1017489	001	2003 to 2004	0.174295833	0.274966667	0.406729167	0.484375	0.640341667	0.741741667	10.08929167	15.67858333
WV1017489	001	2004 to 2005	0.246318182	0.279363636	0.445136364	0.533545455	0.697863636	0.778090909	6.298727273	7.279227273
WV1017489	002	2003 to 2004								
WV1017489	002	2004 to 2005	0.2905625	0.330625	0.330875	0.379625	0.3465	0.383625	13.5625	16.1875
WV1017519	001	2003 to 2004	0.14	0.166666667	0.266666667	0.31	0.171111111	0.205555556	2.666666667	3.88888889
WV1017519	001	2004 to 2005	0.087142857	0.102857143	0.25	0.282857143	0.144285714	0.181428571	2.714285714	3.285714286
WV1017535	001	2003 to 2004	0.15169375	0.1755125	0.18116875	0.264125	0.7266125	0.858875	5.8125	9
WV1017535	001	2004 to 2005	0.251625	0.3295	0.2085	0.288375	0.1864375	0.2415	15.25	18.5
WV1017535	002	2003 to 2004								
WV1017535	002	2004 to 2005	0.747	0.747	1.03	1.03	0.27	0.27	48	48

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1017543	001	2003 to 2004	0.36	0.395	0.5475	0.5825	0.0925	0.0975	6.5	7.75
WV1017543	001	2004 to 2005	0.42	0.462	1.009	1.225	0.306	0.421	16.1	18.7
WV1017551	001	2003 to 2004								
WV1017551	001	2004 to 2005	0.1985	0.2355	0.53975	0.676	0.19275	0.2075	9	10.5
WV1017560	002	2003 to 2004								
WV1017560	002	2004 to 2005	0.23	0.27	0.21	0.32	0.07	0.1	2.25	3
WV1017560	005	2003 to 2004								
WV1017560	005	2004 to 2005	0.492	0.562	0.482	0.606	0.334	0.364	5.7	7
WV1017560	016	2003 to 2004								
WV1017560	016	2004 to 2005	0.3125	0.4325	0.4925	0.865	0.23	0.2575	5.8125	9.125
WV1017560	027	2003 to 2004								
WV1017560	027	2004 to 2005	0.2233333333	0.29	0.286666667	0.35	0.54	0.6133333333	3.333333333	5.166666667
WV1017560	028	2003 to 2004								
WV1017560	028	2004 to 2005	0.4744444444	0.53	0.4222222222	0.5633333333	0.4477777778	0.5433333333	12.611111111	16.5
WV1017608	001	2003 to 2004								
WV1017608	001	2004 to 2005	0.276666667	0.306666667	0.206666667	0.216666667	0.1833333333	0.23	16.16666667	16.33333333
WV1017888	001	2003 to 2004	0.278571429	0.345714286	0.372142857	0.511428571	1.087857143	1.32	13.5	18.42857143
WV1017888	001	2004 to 2005	0.08	0.09	0.11	0.135	0.57	0.955	6.875	10
WV1017888	002	2003 to 2004	2.06	2.108333333	0.884166667	0.8933333333	1.575	1.721666667	16.08333333	16.25
WV1017888	002	2004 to 2005								
WV1017888	003	2003 to 2004	2.528333333	2.761666667	0.7758333333	0.881666667	1.4025	1.45	16.5	18.16666667
WV1017888	003	2004 to 2005								
WV1017926	001	2003 to 2004	0.276666667	0.3533333333	0.19	0.266666667	0.51	0.566666667	6.333333333	8.333333333
WV1017926	001	2004 to 2005								
WV1017934	009	2003 to 2004	0.322857143	0.468571429	0.253571429	0.372857143	1.34	1.598571429	6.357142857	9
WV1017934	009	2004 to 2005	0.420909091	0.565454545	0.43	0.65	1.7	2.312727273	7.5	9.272727273
WV1017977	001	2003 to 2004	0.3156	0.4183	0.4468	0.6014	0.5079	0.6067	6.825	9.6
WV1017977	001	2004 to 2005	0.1285833333	0.185416667	0.445166667	0.614666667	0.324666667	0.6035833333	5.25	7.25
WV1017977	002	2003 to 2004	0.16225	0.24425	0.12625	0.1915	0.3945	0.6535	1.77075	2.5
WV1017977	002	2004 to 2005	0.11725	0.163666667	0.342166667	0.4635833333	0.114666667	0.163	6.166666667	9.583333333
WV1017985	001	2003 to 2004	0.193625	0.20275	0.6407375	0.8642125	0.4249375	0.47975	9.125	10.25
WV1017985	001	2004 to 2005	0.1500833333	0.1775	0.2215833333	0.3075	0.22825	0.2625	16.58333333	26
WV1017985	002	2003 to 2004	0.117	0.148	1.28475	1.533333333	0.192416667	0.2195	4	5.833333333
WV1017985	002	2004 to 2005	0.197545455	0.208454545	0.722545455	0.774818182	0.048363636	0.059363636	6.954590909	7.610409091
WV1018001	007	2003 to 2004	0.13	0.186666667	0.2058333333	0.2933333333	0.771666667	0.906666667	7.5	11.16666667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1018001	007	2004 to 2005	0.266363636	0.385454545	0.221818182	0.288181818	0.602727273	0.71	7.022727273	9.090909091
WV1018001	013	2003 to 2004	0.2575	0.363333333	0.200833333	0.31	0.758333333	0.903333333	9.083333333	13.5
WV1018001	013	2004 to 2005	0.186363636	0.229090909	0.180909091	0.232727273	0.94	1.285454545	9	12.72727273
WV1018001	014	2003 to 2004								
WV1018001	014	2004 to 2005	2.98	2.98	0.35	0.35	0.9	0.9	16	16
WV1018001	015	2003 to 2004	0.113	0.182	0.511	0.736	0.655	0.786	8.1	12
WV1018001	015	2004 to 2005	0.481	0.562	0.338	0.416	1.365	2.004	11.025	11.85
WV1018001	017	2003 to 2004	0.144166667	0.223333333	0.586666667	0.778333333	0.710833333	0.878333333	7.416666667	10.66666667
WV1018001	017	2004 to 2005	0.222727273	0.264545455	0.474545455	0.607272727	1.110909091	1.527272727	12.45454545	17.77272727
WV1018001	024	2003 to 2004	0.1475	0.215	0.249166667	0.275	0.666666667	0.821666667	8.666666667	11.66666667
WV1018001	024	2004 to 2005	0.31	0.425454545	0.264545455	0.336363636	1.034545455	1.507272727	8.045454545	11.09090909
WV1018027	001	2003 to 2004								
WV1018027	001	2004 to 2005	0.105	0.143333333	0.096666667	0.1	1.686666667	1.836666667	5.666666667	10
WV1018027	002	2003 to 2004								
WV1018027	002	2004 to 2005	0.24	0.24	0.52	0.52	1.62	1.65	17	17
WV1018027	005	2003 to 2004								
WV1018027	005	2004 to 2005	0.472	0.658	0.942	1.17	1.342	1.654	5.1	8.2
WV1018035	001	2003 to 2004	0.273333333	0.416666667	0.23	0.31	1.763333333	3	5.666666667	10.66666667
WV1018035	001	2004 to 2005	1.2775	2.12375	1.0725	1.78125	1.39375	1.9825	12.38625	22.14625
WV1018035	003	2003 to 2004	0.17	0.27	0.69	0.92	1.4	2.8	0.5	1
WV1018035	003	2004 to 2005	0.27	0.29	0.88	0.89	1.9	2.5	2.5	4
WV1018043	003	2003 to 2004	0.02	0.02	0.52	0.52	0.22	0.22		
WV1018043	003	2004 to 2005								
WV1018043	004	2003 to 2004	1.09	1.09	2.76	2.76	0.25	0.25		
WV1018043	004	2004 to 2005	0.5	0.5	0.54	0.54	0.68	0.68	36	36
WV1018043	005	2003 to 2004								
WV1018043	005	2004 to 2005	0.655	0.815	0.82	1.12	2.605	2.73	46.5	67.5
WV1018051	002	2003 to 2004	0.86375	1.415	1.380416667	1.986666667	0.123333333	0.19	40.6875	69.58333333
WV1018051	002	2004 to 2005	16.045	31.81363636	1.218181818	1.874545455	0.128181818	0.167272727	27.84090909	52.18181818
WV1018078	001	2003 to 2004	0.469	0.521	0.786333333	0.89	0.060333333	0.064333333	19	20
WV1018078	001	2004 to 2005	0.117333333	0.14425	0.380833333	0.475666667	0.128166667	0.21475	3.708333333	4.916666667
WV1018086	001	2003 to 2004	0.38	0.558	0.4	0.594	0.39	0.348	22	17.25
WV1018086	001	2004 to 2005	0.3	0.3	0.525	0.525	0.235	0.235	4.5	4.5
WV1018086	002	2003 to 2004	0.44	0.42625	0.44	0.42125	0.166666667	0.30625	8.333333333	10.625
WV1018086	002	2004 to 2005	0.21	0.258	0.37	0.422	0.292	0.34	8.111111111	9.777777778

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1018493	001	2003 to 2004	0.4	0.4	0.725	0.993333333	1.248333333	1.366666667	5.833333333	8.666666667
WV1018493	001	2004 to 2005	0.0425	0.0725	0.345	0.695	0.42	0.825	3.25	3.75
WV1018493	DBBS	2003 to 2004	0.089	0.141	0.806	1.222	0.808	1.078	6.125	8.875
WV1018493	DBBS	2004 to 2005	0.061363636	0.079545455	0.335454545	0.48	0.556363636	0.73	5.454545455	8.545454545
WV1018531	001	2003 to 2004	0.199583333	0.260833333	0.191666667	0.269166667	0.278541667	0.661666667	5.416666667	6.583333333
WV1018531	001	2004 to 2005	0.173	0.202	0.113	0.146	0.033	0.042	3.15	3.2
WV1018531	002	2003 to 2004	0.112291667	0.135833333	0.091875	0.149166667	0.093958333	0.149583333	2.791666667	3.416666667
WV1018531	002	2004 to 2005	0.202	0.226	0.135	0.166	0.102	0.147	3.3	3.6
WV1018531	003	2003 to 2004	0.216666667	0.226666667	0.12	0.156666667	0.13	0.196666667	3	3
WV1018531	003	2004 to 2005	0.201666667	0.221666667	0.123333333	0.13	0.038333333	0.041666667	3.166666667	3.166666667
WV1018531	004	2003 to 2004	0.56	0.56	0.18	0.18	6.3	6.3	3	3
WV1018531	004	2004 to 2005								
WV1018540	011	2003 to 2004	0.08	0	0	0			0	0
WV1018540	011	2004 to 2005	0.11	0.216666667	0	0	0	0	0	0
WV1018540	027	2003 to 2004	0.265833333	0.354166667	0	0	0	0	0	0
WV1018540	027	2004 to 2005	0.308333333	0.365	0	0	0	0	0	0
WV1018574	001	2003 to 2004	0.224166667	0.269166667	0.166666667	0.2075		0	3.75	4.5
WV1018574	001	2004 to 2005	0.239166667	0.2825	0.161666667	0.198333333			3.125	3.25
WV1018574	003	2003 to 2004	0.184166667	0.228333333	0.163333333	0.183333333		0	3.791666667	4.583333333
WV1018574	003	2004 to 2005	0.238333333	0.2775	0.181666667	0.223333333			3.375	3.75
WV1018574	004	2003 to 2004	0.190833333	0.211666667	0.128333333	0.153333333		0	3.125	3.25
WV1018574	004	2004 to 2005	0.2075	0.2525	0.145833333	0.198333333			3.333333333	3.666666667
WV1018574	005	2003 to 2004	0.19	0.228333333	0.1075	0.145		0	3.5	4
WV1018574	005	2004 to 2005	0.1825	0.206666667	0.141666667	0.209166667			3.166666667	3.333333333
WV1018582	001	2003 to 2004	0.710833333	1.1175	0	0	0	0	8.708333333	0
WV1018582	001	2004 to 2005	0.312	0.447	0	0	0	0	10.45	0
WV1018582	002	2003 to 2004	0.31	0.405	0	0	0	0	0	0
WV1018582	002	2004 to 2005	0.403333333	0.536666667	0	0	0	0	0	0
WV1018698	003	2003 to 2004	0.0725	0.104166667	0.188541667	0.238333333			6.25	9.8125
WV1018698	003	2004 to 2005	0.046818182	0.079545455	0.167272727	0.236818182	0.0325	0.047857143	2.75	4.590909091
WV1018761	001	2003 to 2004								
WV1018761	001	2004 to 2005		0.4		0.11		0.08		16
WV1018825	001	2003 to 2004	2.162	3.489	0.5845	0	0	0	10.75	18.65
WV1018825	001	2004 to 2005	0.798333333	1.184166667	0	0	0	0	10.6875	17.25
WV1018825	002	2003 to 2004								

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1018825	002	2004 to 2005	1.681666667	3.246666667	0.716666667	1.905	0	0	42.291666667	71.75
WV1018850	001	2003 to 2004	0.220909091	0.256363636	0.330909091	0.394545455		0	3.818181818	4.363636364
WV1018850	001	2004 to 2005	0.205833333	0.273333333	0.295	0.385833333			3.958333333	4.916666667
WV1018850	003	2003 to 2004	0.23	0.265	0.3575	0.434166667		0	4.791666667	6.416666667
WV1018850	003	2004 to 2005	0.21	0.2625	0.2875	0.379166667			3.458333333	3.833333333
WV1018884	001	2003 to 2004	0.08	0.119090909	0.101818182	0.137272727	0.010909091	0.013636364	4.818181818	5.477272727
WV1018884	001	2004 to 2005	0.047083333	0.069583333	0.078333333	0.106666667	0.019583333	0.02625	2.354166667	3
WV1018914	047	2003 to 2004	0.847222222	1.498333333	0.705	1.187777778	0.762222222	1.012222222	24.72222222	24.16666667
WV1018914	047	2004 to 2005	0.359166667	0.50875	0.224166667	0	0	0	61.075	103.9166667
WV1018914	094	2003 to 2004								
WV1018914	094	2004 to 2005	0.27875	0.3875	0	0	0	0	0	0
WV1018914	096	2003 to 2004								
WV1018914	096	2004 to 2005	0.200833333	0.396666667	0	0	0.221666667	0.439166667	0	0
WV1018922	002	2003 to 2004								
WV1018922	002	2004 to 2005	0.11	0.11	0.1275	0.1275	0.505	0.505	1.75	1.75
WV1018931	001	2003 to 2004	0.755454545	1.259090909	0.415454545	0.733636364			13.18181818	22.36363636
WV1018931	001	2004 to 2005	0.6825	0.95	0.241666667	0.3275			12.83333333	19
WV1018931	002	2003 to 2004	0.306	0.461	0.133	0.227			5.227272727	8
WV1018931	002	2004 to 2005	0.464166667	0.595833333	0.311666667	0.375833333			5.333333333	7.666666667
WV1018931	003	2003 to 2004	1.836363636	2.625454545	0.540909091	0.97			24.68181818	40.72727273
WV1018931	003	2004 to 2005	1.091818182	1.400909091	0.290909091	0.486363636			14	20
WV1018973	001	2003 to 2004	0.03	0.04	0.54	1.07	0.54	1.07	0	0
WV1018973	001	2004 to 2005								
WV1019066	009	2003 to 2004	0.500416667	0.941666667	1.005416667	1.943333333			374.0104167	742.4791667
WV1019066	009	2004 to 2005	0.088333333	0.114166667	0.178333333	0.244166667	0.043	0.046	2.916666667	3.5
WV1019091	001	2003 to 2004	0.364375	0.461666667	0.025625	0.043333333	1.0125	1.253333333	13.22916667	14.96875
WV1019091	001	2004 to 2005	0.564629633	0.793333333	0.024074074	0.039444444	3.463148111	3.95	9.361111111	11.5
WV1019091	004	2003 to 2004	0.94	1.62	0.85	1.41	0.235	0.38	6.5	7
WV1019091	004	2004 to 2005	0.268611108	0.54125	0.208125	0.365833333	0.629861108	0.751666667	3.625	5.666666667
WV1019091	006	2003 to 2004	0.03	0.03	0.02	0.02	0	0	0	0
WV1019091	006	2004 to 2005								
WV1019091	007	2003 to 2004	0.114166666	0.153636364	0.105151515	0.147272727	0.385909091	0.5	5.789772727	7.863636364
WV1019091	007	2004 to 2005	0.241666667	0.268333333	0.39875	0.421666667	0.874166667	0.973333333	7.833333333	10.41666667
WV1019121	001	2003 to 2004	0.41125	0.409166667	0.209166667	0.281666667	3.2025	4.879166667	12.18181818	17.33333333
WV1019121	001	2004 to 2005	0.326666667	0.486666667	0.172222222	0.253333333	3.89	5.665555556	10.88888889	15.33333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1019121	002	2003 to 2004	0.778	1.204	0.51	0.872	0.504	0.722	22.4	36
WV1019121	002	2004 to 2005	0.417	0.645	0.324	0.539	2.557	3.98	12.9	23
WV1019147	001	2003 to 2004	0.611666667	0.773333333	1.444583333	1.9975	1.4775	1.964166667	15.921875	26.39583333
WV1019147	001	2004 to 2005	0.250416667	0.298458333	0.895833333	1.086791667	0.9675	1.307625	4.1875	5.250125
WV1019180	001	2003 to 2004								
WV1019180	001	2004 to 2005	0.1	0.109	0.097	0.109	0.277	0.308	4	5.1
WV1019201	001	2003 to 2004								
WV1019201	001	2004 to 2005	0.25	0.353333333	1.16	1.383333333	1.553333333	1.74	3.5	4
WV1019279	001	2003 to 2004	0.217727273	0.32	0.223636364	0.282727273	0.076363636	0.107272727	11.70454545	18.22727273
WV1019279	001	2004 to 2005	0.6	0.846	0.233	0.307	0.131	0.225	11.1	15.35
WV1019279	002	2003 to 2004	0.08	0.08	0.39	0.39	0.25	0.25	23	23
WV1019279	002	2004 to 2005	0.28	0.308333333	0.431666667	0.503333333	0.415	0.53	10.75	11.58333333
WV1019279	010	2003 to 2004	0.1	0.1	0.33	0.33	0.26	0.26	19	19
WV1019279	010	2004 to 2005								
WV1019279	011	2003 to 2004	0.13	0.13	0.31	0.31	0.18	0.18	26	26
WV1019279	011	2004 to 2005								
WV1019279	013	2003 to 2004	0.09	0.11	0.285	0.35	0.175	0.18	25	29
WV1019279	013	2004 to 2005	0.74	1.051666667	0.33	0.468333333	0.23	0.413333333	11.08333333	14.08333333
WV1019279	020	2003 to 2004								
WV1019279	020	2004 to 2005	0.2	0.216666667	0.228333333	0.323333333	0.355	0.448333333	11.375	13
WV1019279	021	2003 to 2004	1.002272727	1.256363636	0.328636364	0.371818182	0.266363636	0.315454545	13.38636364	16.81818182
WV1019279	021	2004 to 2005	0.377	0.623	0.291	0.34	0.173	0.264	14.225	18.2
WV1019279	023	2003 to 2004								
WV1019279	023	2004 to 2005	0.618333333	1.006666667	0.353333333	0.503333333	0.366666667	0.595	14.33333333	17.16666667
WV1019279	024	2003 to 2004								
WV1019279	024	2004 to 2005	0.461666667	0.606666667	0.483333333	0.656666667	0.316666667	0.401666667	22.08333333	29.66666667
WV1019279	029	2003 to 2004	0.533333333	0.915	0.5325	0.845	0.389166667	0.54	24.54166667	30.5
WV1019279	029	2004 to 2005	0.882	1.592	0.34	0.485	0.2	0.286	13.5	19.95
WV1019279	030	2003 to 2004	0.23	0.23	0.07	0.07	0.14	0.14	16	16
WV1019279	030	2004 to 2005								
WV1019287	001	2003 to 2004	0.227083333	0.305	0.271666667	0.395	0.137083333	0.21	11.5	16.20833333
WV1019287	001	2004 to 2005	0.621111111	0.884444444	0.584444444	0.814444444	0.258888889	0.391111111	18.91666667	25.11111111
WV1019309	001	2003 to 2004								
WV1019309	001	2004 to 2005	0.1875	0.2275	0.11	0.1425	0.175	0.2	12.5	21
WV1019309	009	2003 to 2004								



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1019309	009	2004 to 2005	1.17	1.17	0.11	0.11	0.03	0.03	4	4
WV1019317	001	2003 to 2004	0.27	0.27	0.385	0.385	0.04625	0.04625	32.9375	32.9375
WV1019317	001	2004 to 2005	0.215	0.215	0.18	0.18	0.0425	0.0425	7.5	7.5
WV1019333	001	2003 to 2004	1.063333333	87.305	0.175454545	0.27125	1.795833333	3.1425	10.63636364	16.33333333
WV1019333	001	2004 to 2005	1.802	2.927	0.208	0.294	1.471	2.429	17.925	30.849
WV1019333	002	2003 to 2004	1.6975	2.35	0.26	0.2075	4.62	9.065	7	12
WV1019333	002	2004 to 2005	1.456	2.064	0.104	0.132	3.61	4.78	18.4	24.4
WV1019341	001	2003 to 2004	23.36333333	30.08333333	7.88	8.84	15.75166667	20.975	0	0
WV1019341	001	2004 to 2005	0.15	0.3	25.58	51.16	28.04	56.07	0	0
WV1019341	003	2003 to 2004	0.44	0.672857143	0	0	0	0	0	0
WV1019341	003	2004 to 2005	0.481	0.604	0	0	0	0	0	0
WV1019341	006	2003 to 2004	0.5725	0.7625	0	0	0	0	0	0
WV1019341	006	2004 to 2005	0.61	1.21	0	0	0	0	0	0
WV1019341	007	2003 to 2004	1.021428571	1.324285714	0	0	4.97	6.28	0	0
WV1019341	007	2004 to 2005	0.7225	0.9	0	0	0.889375	1.42	0	0
WV1019341	013	2003 to 2004								
WV1019341	013	2004 to 2005	0.895714286	1.35	0	0	3.11	5.219285714	0	0
WV1019341	014	2003 to 2004	0.27375	0.53625	0	0	0	0	0	0
WV1019341	014	2004 to 2005	0.58	0.824444444	0	0	0	0	0	0
WV1019341	016	2003 to 2004	2.692857143	5.045714286	0	0	5.821428571	9.995714286	9.714285714	16.5
WV1019341	016	2004 to 2005	0.675	1.057777778	0	0	0.98375	1.650555556	0	0
WV1019449	027	2003 to 2004								
WV1019449	027	2004 to 2005	0.06	0.09	0.04	0.06	0.24	0.3	26.5	31
WV1019457	003	2003 to 2004	0.126	0.13	0.2085	0.226	0.0865	0.095	5.175	5.65
WV1019457	003	2004 to 2005	0.149166667	0.203333333	0.186666667	0.215833333	0.103333333	0.141666667	4.1875	6.458333333
WV1019457	004	2003 to 2004	0.22	0.289166667	0.233333333	0.278333333	0.2	0.256666667	10.83333333	14.60416667
WV1019457	004	2004 to 2005	0.203636364	0.258181818	0.209090909	0.245454545	0.158181818	0.200909091	10.68181818	17.40909091
WV1019490	001	2003 to 2004	0.12875	0.15	0.299375	0.36875	0.43	0.4625	14.6328125	18
WV1019490	001	2004 to 2005	0.028333333	0.026833333	0.275	0.2735	0.165	0.1635	0.666666667	0.500166667
WV1019490	003	2003 to 2004	0.342142857	0.48	0.130714286	0.222857143	0.021071429	0.033571429	6.026785714	10.96428571
WV1019490	003	2004 to 2005								
WV1019490	004	2003 to 2004	0.208888889	0.235555556	0.313888889	0.357777778	0.160277778	0.205555556	17.50694444	21.33333333
WV1019490	004	2004 to 2005	0.0425	0.04025	0.1125	0.11025	0	0	3.75	3.50025
WV1019546	001	2003 to 2004	0.18	0.29	0.21	0.21	1.11	1.15		
WV1019546	001	2004 to 2005	0.35	0.35	0	0	1.1	0	0	0

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1019554	001	2003 to 2004	0.71625	1.35125	0.225	0.4325	1.9075	3.73625	0	0
WV1019554	001	2004 to 2005	0.66125	0.9811111111	0.23875	0.39	0.886875	1.328888889	0	0
WV1019589	014	2003 to 2004	1.306	1.5	0	0	0	0	22.424	25.9
WV1019589	014	2004 to 2005	0.840833333	1.264166667	0.465	0.8525	0.570416667	0.694583333	24.79166667	38.83333333
WV1019660	004	2003 to 2004	7.33	7.33	0.14	0.14	5.64	5.64	34	34
WV1019660	004	2004 to 2005	13.57	13.57	4.03	4.03	10.19	10.19	17	17
WV1019660	DHW (SW7)	2003 to 2004	8.996666667	10.73444444	0.652222222	0.947777778	2.795555556	3.213333333		
WV1019660	DHW (SW7)	2004 to 2005	9.532727273	11.32363636	1.500909091	2.118181818	5.102727273	5.933636364		
WV1019660	DLF (SW6)	2003 to 2004	0.507777778	0.734444444	0.167777778	0.257777778	0.134444444	0.155555556		
WV1019660	DLF (SW6)	2004 to 2005	0.435	0.483	0.206	0.285	0.103	0.119		
WV1019660	DLFCB (SW1)	2003 to 2004	7.485714286	8.495714286	0.692857143	1.055714286	3.218571429	3.791428571		
WV1019660	DLFCB (SW1)	2004 to 2005	9.286	11.045	0.504	0.653	6.937	9.79		
WV1019660	DRFCB (SW3)	2003 to 2004	8.251428571	9.251428571	0.668571429	0.82	2.927142857	3.325714286		
WV1019660	DRFCB (SW3)	2004 to 2005	6.63	7.997	0.712	0.832	3.13	4.027		
WV1019660	GW7	2003 to 2004	1.618571429	2.585714286	0.112857143	0.145714286	0.684285714	1.095714286		
WV1019660	GW7	2004 to 2005	0.550909091	0.740909091	0.18	0.274545455	0.151818182	0.274545455		
WV1019660	GW8	2003 to 2004								
WV1019660	GW8	2004 to 2005	127.18	252	0.15	0.17	1.85	2.25		
WV1019660	GW9	2003 to 2004	0.481428571	0.808571429	0.068571429	0.077142857	0.168571429	0.314285714		
WV1019660	GW9	2004 to 2005	1.933	2.268	0.095	0.107	1.738	2.14		
WV1019660	UCB (SW2)	2003 to 2004	7.071428571	7.588571429	0.451428571	0.5	2.474285714	2.735714286		
WV1019660	UCB (SW2)	2004 to 2005	4.108181818	5.245454545	0.175454545	0.257272727	1.492727273	2.073636364		
WV1019660	UHW (SW22)	2003 to 2004	9.124444444	11.07777778	1.377777778	2.222222222	2.944444444	3.451111111		
WV1019660	UHW (SW22)	2004 to 2005	9.766363636	11.52454545	1.856363636	2.268181818	4.953636364	6.270909091		
WV1019660	ULF (SW19)	2003 to 2004	1.45125	2.3525	0.42875	0.7775	0.5075	0.68375		
WV1019660	ULF (SW19)	2004 to 2005	0.993333333	1.306666667	0.151666667	0.233333333	0.491666667	0.645		
WV1019660	URFLF	2003 to 2004	3.186666667	3.464444444	0.158888889	0.261111111	1.763333333	2.213333333		
WV1019660	URFLF	2004 to 2005	2.163	2.443	0.072	0.088	1.557	1.86		
WV1019988	002	2003 to 2004	0.457727273	0.597727273	0	0	0	0	0	0
WV1019988	002	2004 to 2005	0.222	0.245	0	0	0	0	0	0
WV1019988	003	2003 to 2004	1.144	1.974	0	0	0	0	15.95	27.1
WV1019988	003	2004 to 2005	0.732777778	1.266666667	0.968888889	1.855	0	0	17.88888889	33.94444444
WV1019988	004	2003 to 2004	0.35375	0.65625	0	0	0	0	0	0
WV1019988	004	2004 to 2005	0.395625	0.638125	0	0	0	0	0	0
WV1019996	001	2003 to 2004	0.4	0.4	0.254545455	0.2975	0.105	0.12	7.681818182	9.333333333

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1019996	001	2004 to 2005	0.330555556	0.34	0.225555556	0.264444444	0.096666667	0.118888889	4.277777778	5.555555556
WV1019996	002	2003 to 2004	0.4	0.4	0.520909091	0.628333333	1.74	2.01	4.136363636	4.75
WV1019996	002	2004 to 2005	0.4	0.4	0.461111111	0.53	1.125555556	1.232222222	4.444444444	6.111111111
WV1020005	001	2003 to 2004	0.53	0.533333333	0.323	0.321666667	0.138	0.145	5.4	7.333333333
WV1020005	001	2004 to 2005	0.4	0.4	0.106	0.142	0.154	0.19	3.8	4.8
WV1020005	005	2003 to 2004	0.4	0.4	0.174444444	0.233	0.542777778	0.677	7.777777778	8.3
WV1020005	005	2004 to 2005	0.4	0.4	0.09	0.113333333	0.525555556	0.642222222	3.555555556	5.111111111
WV1020005	006	2003 to 2004	0.4	0.46	0.159375	0.289	0.110625	0.137	2.3125	7.7
WV1020005	006	2004 to 2005	0.4	0.4	0.203333333	0.236666667	0.096666667	0.1	2.833333333	3.666666667
WV1020005	007	2003 to 2004	0.4	0.4	0.22	0.272	0.212777778	0.264	5.055555556	6.2
WV1020005	007	2004 to 2005	0.4	0.4	0.172222222	0.195555556	0.171111111	0.2	2.611111111	3.555555556
WV1020013	003	2003 to 2004	0.3975	0.505833333	0.3075	0.3775	0.715833333	1.050833333	6.166666667	7.333333333
WV1020013	003	2004 to 2005	0.3025	0.408333333	0.11875	0.160416667	0.132916667	0.192916667	2.770833333	3.666666667
WV1020013	004	2003 to 2004	0.374545455	0.473636364	0.269090909	0.339090909	1.58	2.15	5.636363636	6.909090909
WV1020013	004	2004 to 2005	0.300833333	0.403333333	0.165416667	0.214166667	0.701666667	0.843333333	3.708333333	5.041666667
WV1020013	005	2003 to 2004	0.362727273	0.466363636	0.180909091	0.200909091	1.112727273	1.326363636	4.454545455	4.909090909
WV1020013	005	2004 to 2005	0.304166667	0.434166667	0.10875	0.15125	0.770416667	1.112916667	2.270833333	3.166666667
WV1020013	006	2003 to 2004	0.372727273	0.477272727	0.385454545	0.560909091	0.457272727	0.532727273	8.454545455	10.90909091
WV1020013	006	2004 to 2005	0.349166667	0.445833333	0.179583333	0.225	0.181666667	0.226666667	4.083333333	5.916666667
WV1020013	007	2003 to 2004	0.404	0.48	0.233	0.283	0.322	0.43	6	7
WV1020013	007	2004 to 2005	0.266666667	0.348333333	0.134583333	0.188333333	0.108333333	0.126666667	2.708333333	4.208333333
WV1020013	009	2003 to 2004	0.25	0.255	0.165	0.18	0.645	0.735	13.5	14
WV1020013	009	2004 to 2005	0.250833333	0.3	0.093333333	0.114583333	0.03125	0.03875	2.625	3.666666667
WV1020013	015	2003 to 2004	0.518333333	0.718333333	0.275	0.3525	0.574166667	0.768333333	10.16666667	13.16666667
WV1020013	015	2004 to 2005	0.383333333	0.529166667	0.1425	0.18625	0.189166667	0.23625	6.4375	9.833333333
WV1020013	038	2003 to 2004	0.26	0.26	0.22	0.25	0.13	0.18	10	10
WV1020013	038	2004 to 2005	0.393	0.47	0.178	0.233	0.1105	0.151	4.7	6.55
WV1020056	001	2003 to 2004	0.42	0.436363636	0.1205	0.170909091	0.1075	0.118181818	6.45	8.454545455
WV1020056	001	2004 to 2005	1.172222222	1.277777778	0.107777778	0.151111111	0.125	0.145555556	8.055555556	12.11111111
WV1020102	001	2003 to 2004	0.41	0.4125	0.68	0.8675	0.156	0.225	26.1	31.27125
WV1020102	001	2004 to 2005	0.4	0.4	0.14	0.23	0.14	0.295	4.5	9
WV1020102	002	2003 to 2004		0.9		2.18		0.03		12
WV1020102	002	2004 to 2005	0.5	0.6	0.349444444	0.451	0.089444444	0.135	6.611111111	9.8
WV1020102	004	2003 to 2004								
WV1020102	004	2004 to 2005	0.675	0.64	1.28875	1.18	0.7425	0.794	11.375	10.8

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1020102	005	2003 to 2004								
WV1020102	005	2004 to 2005	0.4	0.2895	0.115	0.18	0.045	0.04	3.5	18
WV1020111	001	2003 to 2004		0.4		0.11		0.05		1
WV1020111	001	2004 to 2005		0.6		0.63		0.34		22
WV1020111	002	2003 to 2004	0.4	0.4	0.18	0.16	0.035	0.03	8	6.5
WV1020111	002	2004 to 2005	0.407142857	0.4111111111	0.169285714	0.178888889	0.065	0.075555556	4.928571429	6.444444444
WV1020145	001	2003 to 2004	0.4	0.45	0.342222222	0.59	0.03	0.088333333	12.83333333	18.41666667
WV1020145	001	2004 to 2005	0.4	0.4	0.465	0.559166667	0.036818182	0.045833333	12.36363636	15.33333333
WV1020161	005	2003 to 2004								
WV1020161	005	2004 to 2005	0.03	0.03	0.07	0.07	0.01	0.01	3	3
WV1020196	001	2003 to 2004	0	0	0	0	0	0	0	0
WV1020196	001	2004 to 2005	0	0	0	0	0	0	0	0
WV1020196	005	2003 to 2004	0.239583333	0.3	0	0	0	0	0	0
WV1020196	005	2004 to 2005	0.347083333	0.385	0.105833333	0.192916667	0	0	0	0
WV1020196	006	2003 to 2004	0.214583333	0.245	0	0	0.100416667	0.11125	0	0
WV1020196	006	2004 to 2005	0.368333333	0.594166667	0.285833333	0.539166667	0	0	0	0
WV1020196	007	2003 to 2004	0.331666667	0.405	0.257916667	0.54375	0	0	0	0
WV1020196	007	2004 to 2005	0.418888889	0.637777778	0.254444444	0.445555556	0	0	6.138888889	11
WV1020218	002	2003 to 2004								
WV1020218	002	2004 to 2005	0.354666667	0.3785	0.241666667	0.32	0.205	0.1975	11	14.5
WV1020269	001	2003 to 2004	0.56	1.12	0	0	0	0	0	0
WV1020269	001	2004 to 2005								
WV1020269	002	2003 to 2004	0.21	0.357272727	0	0	0	0	14.20454545	0
WV1020269	002	2004 to 2005								
WV1020285	001	2003 to 2004								
WV1020285	001	2004 to 2005	1.02	1.02	0.38	0.38	21.59	21.59	29	29
WV1020285	002	2003 to 2004								
WV1020285	002	2004 to 2005	0.225	0.225	0.49	0.49	0.05	0.05	22	22
WV1020307	007	2003 to 2004								
WV1020307	007	2004 to 2005	1.483333333	2.566666667	0.3975	0.49	0.794166667	0.893333333	5.5	6.333333333
WV1020307	018	2003 to 2004								
WV1020307	018	2004 to 2005	0.864285714	1.2125	0.54	0.60875	1.051428571	1.30875	6.928571429	7.125
WV1020307	019	2003 to 2004		0.4		0.41		2.365		4.5
WV1020307	019	2004 to 2005	0.792857143	0.95	0.432857143	0.49	1.657857143	1.758	6	7.1
WV1020307	020	2003 to 2004		0.4		0.52		1.2525		4.25

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1020307	020	2004 to 2005	0.4	0.4	0.392142857	0.418	0.733571429	0.924	2.857142857	4.2
WV1020307	021	2003 to 2004								
WV1020307	021	2004 to 2005	0.4	0.4	0.635	0.74	0.95	0.97	4.25	6
WV1020307	022	2003 to 2004		0.4		0.9625		1.925		4.75
WV1020307	022	2004 to 2005	0.72	0.6375	1.436	1.69	1.017	1.2675	44.5	37.125
WV1020315	011	2003 to 2004	0.164375	0.2925	0.157916667	0.27	0.049583333	0.085	4.296875	6.041666667
WV1020315	011	2004 to 2005	0.024166667	0.030833333	0.03625	0.055416667	0.006666667	0.01125	1.895833333	2.791666667
WV1020323	001	2003 to 2004	2.12	2.86	0.68	0.77	0.08	0.09	32.17	33
WV1020323	001	2004 to 2005	1.135555556	1.256666667	0.418888889	0.504444444	0.097777778	0.11	27.00333333	31.66666667
WV1020331	001	2003 to 2004	0.02875	0.035	0.07	0.085	0.055	0.075	0	0
WV1020331	001	2004 to 2005	0.028541667	0.043333333	0.310625	0.384166667	0.159375	0.203333333	2	2.916666667
WV1020340	001	2003 to 2004	0.4	0.5	0.16625	0.454444444	0.2125	0.108888889	14.42125	18.88888889
WV1020340	001	2004 to 2005		0.4		0.163333333		0.02		3
WV1020366	003	2003 to 2004	0.405555556	0.41	0.307777778	0.359	0.076666667	0.089	3.722222222	5.9
WV1020366	003	2004 to 2005	0.4	0.4	0.208888889	0.268888889	0.062777778	0.076666667	7	10.44444444
WV1020374	001	2003 to 2004	0.611	0.894	0.951	1.156	3.003	3.543	7.75625	12.2
WV1020374	001	2004 to 2005	0.243125	0.3675	0.723333333	0.8875	3.12875	3.353333333	4.541666667	6.666666667
WV1020404	001	2003 to 2004	0.42	0.595	0.77	1.545	0.500833333	0.81	7.25	9.166666667
WV1020404	001	2004 to 2005	0.315833333	0.528333333	1.170833333	2.260833333	1.210833333	2.618333333	7.916666667	11.16666667
WV1020404	002	2003 to 2004	0.596666667	0.776666667	0.343333333	0.373333333	0.043333333	0.05	9.333333333	9.333333333
WV1020404	002	2004 to 2005	0.143333333	0.23	0.22	0.273333333	0.03	0.033333333	4.333333333	4.666666667
WV1020412	001	2003 to 2004	0.477272727	0.525	0.694545455	0.799166667	0.873181818	1.085	11	14
WV1020412	001	2004 to 2005	0.4125	0.422222222	0.405	0.51	0.535625	0.641111111	10.625	32.33333333
WV1020412	002	2003 to 2004	0.2453125	0.301777778	0.8045	0.95	0.357	0.403636364	10	12.54545455
WV1020412	002	2004 to 2005	0.3338	0.373	0.2565	0.37	0.0975	0.131	5.25	8.4
WV1020412	003	2003 to 2004	0.363428571	0.44	2.639444444	2.742	1.172222222	1.295	33.625	37.22222222
WV1020412	003	2004 to 2005	0.32225	0.335	0.5555	0.821	0.7795	0.937	14.75	22.9
WV1020412	004	2003 to 2004	0.3602	0.4728	0.660416667	0.803333333	0.743333333	0.914166667	35.90909091	65.81818182
WV1020412	004	2004 to 2005			0.3925	0.494	0.4265	0.536	6.45	8.9
WV1020412	006	2003 to 2004	0.4	0.4	0.474090909	0.663333333	0.096818182	0.1225	5.909090909	9.833333333
WV1020412	006	2004 to 2005	0.4	0.4	0.2035	0.243	0.038	0.046	2.45	3.2
WV1020412	007	2003 to 2004	0.3004	0.3241	0.405833333	0.545833333	0.175833333	0.236666667	8.583333333	12.58333333
WV1020412	007	2004 to 2005	0.31825	0.32575	0.186666667	0.283	0.063333333	0.093	4.555555556	10.7
WV1020412	008	2003 to 2004	0.4405	0.6118	0.450454545	0.681666667	1.456363636	1.825833333	6.2	9.090909091
WV1020412	008	2004 to 2005	0.4	0.4	0.2485	0.295	0.4555	0.584	5.1	6.5

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1020412	009	2003 to 2004								
WV1020412	009	2004 to 2005		0.4		1.54		0.28		10
WV1020439	001	2003 to 2004								
WV1020439	001	2004 to 2005	0.53	0.748	0	0	0	0	18.2	0
WV1020439	003	2003 to 2004								
WV1020439	003	2004 to 2005	0.352	0.414	0	0	0	0	0	0
WV1020439	006	2003 to 2004								
WV1020439	006	2004 to 2005	0.504285714	0.721428571	0	0	0	0	0	0
WV1020439	007	2003 to 2004								
WV1020439	007	2004 to 2005	0.56	0.6925	0	0	0	0	17.625	30.75
WV1020439	DFC-1	2003 to 2004								
WV1020439	DFC-1	2004 to 2005	0.315454545	0.378181818	0.159090909	0.24	0.09	0.120909091		
WV1020439	DRF-1	2003 to 2004								
WV1020439	DRF-1	2004 to 2005	0.32	0.416363636	0.264545455	0.368181818	0.163636364	0.227272727		
WV1020439	UFC-1	2003 to 2004								
WV1020439	UFC-1	2004 to 2005	0.289090909	0.404545455	0.152727273	0.206363636	0.175454545	0.221818182		
WV1020439	URF-1	2003 to 2004								
WV1020439	URF-1	2004 to 2005	0.266666667	0.306666667	0.17	0.196666667	0.16	0.193333333		
WV1020455	001	2003 to 2004	0.66875	0.9025	0.27125	0.3525	0.1675	0.18875	7.96625	9.33375
WV1020455	001	2004 to 2005	0.23	0.298333333	0.118333333	0.138333333	0.144166667	0.184166667	4.9575	5.945
WV1020455	DPF	2003 to 2004	0.419	0.647	0.42	0.646	0.078	0.119		
WV1020455	DPF	2004 to 2005	0.173636364	0.262727273	0.270909091	0.385454545	0.045454545	0.056363636		
WV1020455	DPF-1	2003 to 2004	0.77	1.348	0.672	1.161	0.085	0.135		
WV1020455	DPF-1	2004 to 2005	0.178333333	0.230833333	0.168333333	0.240833333	0.043333333	0.055833333		
WV1020455	UPF	2003 to 2004	0.457	0.708	0.508	0.784	0.076	0.119		
WV1020455	UPF	2004 to 2005	0.1425	0.196666667	0.1325	0.183333333	0.0325	0.040833333		
WV1020455	UPF-1	2003 to 2004	0.489	0.731	0.506	0.771	0.094	0.125		
WV1020455	UPF-1	2004 to 2005	0.124166667	0.155833333	0.145	0.180833333	0.043333333	0.055833333		
WV1020480	DRC	2003 to 2004	0.39	0.4	0.24	0.32	0.02	0.02		
WV1020480	DRC	2004 to 2005	0.915	1.256666667	0.610833333	0.8325	0.241666667	0.396666667		
WV1020480	URC	2003 to 2004	0.46	0.61	0.33	0.47	0.02	0.02		
WV1020480	URC	2004 to 2005	0.954166667	1.418333333	0.535833333	0.835	0.18	0.276666667		
WV1020498	DHC	2003 to 2004	0.25	0.4	0.161428571	0.252857143	0.022857143	0.025714286		
WV1020498	DHC	2004 to 2005	0.436363636	0.694545455	0.328181818	0.566363636	0.035454545	0.045454545		
WV1020498	UHC	2003 to 2004	0.274285714	0.401428571	0.148571429	0.19	0.022857143	0.022857143		

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1020498	UHC	2004 to 2005	0.3825	0.565833333	0.2775	0.485	0.033333333	0.0425		
WV1020501	003	2003 to 2004	0.281666667	0.394166667	0	0	0	0	0	0
WV1020501	003	2004 to 2005	2.34	3.63	0	0	0	0	21.375	0
WV1020510	001	2003 to 2004								
WV1020510	001	2004 to 2005	0.33	0.33	0.98	0.98	0.31	0.31	30	30
WV1020510	013	2003 to 2004	0.613333333	1.0225	0.341666667	0.495	0.049166667	0.065	7.333333333	10.5
WV1020510	013	2004 to 2005	1.15	1.875	0.295	0.4	0.315	0.34	20	33
WV1020510	018	2003 to 2004	0.303636364	0.404545455	0.320909091	0.545454545	0.051818182	0.075454545	4.272727273	4.545454545
WV1020510	018	2004 to 2005	0.272222222	0.415555556	0.094444444	0.135555556	0.048888889	0.081111111	8.111111111	12.22222222
WV1020510	024	2003 to 2004	0.585	0.72875	0.25	0.34	0.1	0.1725	5.25	6.5
WV1020510	024	2004 to 2005	0.28	0.365	0.215	0.23	0.03	0.03	4	4
WV1020510	026	2003 to 2004	0.966666667	1.102222222	0.93	1.174	0.146	0.187	23.2	28.4
WV1020510	026	2004 to 2005								
WV1020510	027	2003 to 2004	0.93	0.93	0.93	0.93	0.01	0.01	52	52
WV1020510	027	2004 to 2005								
WV1020510	028	2003 to 2004	0.431818182	0.507272727	0.313636364	0.442727273	0.282727273	0.388181818	8.272727273	11.45454545
WV1020510	028	2004 to 2005	0.411	0.572	0.36	0.43	0.263	0.312	8.9	13.2
WV1020552	001	2003 to 2004	0.4	0.4	0.26	0.357777778	0.047222222	0.06	5.8125	8.75
WV1020552	001	2004 to 2005	0.4	0.4	0.2	0.27	0.0325	0.035	5.5	7.5
WV1020561	001	2003 to 2004								
WV1020561	001	2004 to 2005	1.52	2.35	0	0	0	0	0	0
WV1020561	002	2003 to 2004								
WV1020561	002	2004 to 2005	0.65	0.91	0	0	0	0	0	0
WV1020579	031	2003 to 2004								
WV1020579	031	2004 to 2005	0.36	0.645	0	0	0	0	22.125	43.5
WV1020579	045	2003 to 2004								
WV1020579	045	2004 to 2005	0.9175	1.3575	0	0	0	0	11.0625	0
WV1020587	DJB	2003 to 2004	0.24	0.361666667	0.205	0.31	0.035	0.15		
WV1020587	DJB	2004 to 2005	0.194	0.307	0.142	0.19	0.023	0.031		
WV1020587	DPF	2003 to 2004	0.306666667	0.396666667	0.41	0.573333333	0.06	0.08		
WV1020587	DPF	2004 to 2005	0.107	0.149	0.134	0.187	0.04	0.054		
WV1020587	UPF	2003 to 2004	0.355	0.406666667	0.316666667	0.401666667	0.095	0.11		
WV1020587	UPF	2004 to 2005	0.055	0.074	0.086	0.101	0.016	0.021		
WV1020609	005	2003 to 2004	1.425	2.502	0	0	0.668	1.057	0	0
WV1020609	005	2004 to 2005	0.953888889	1.371666667	0	0	0.228333333	0.268888889	10.33333333	18.44444444

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1020609	006	2003 to 2004	0.443	0.695	0	0	2.056	2.506	0	0
WV1020609	006	2004 to 2005	0.556	0.8695	0.2065	0.3855	1.0055	1.5475	0	0
WV1020609	008	2003 to 2004	0	0	0	0	0.79	1.58	0	0
WV1020609	008	2004 to 2005	0.311666667	0.563333333	0	0	0.765	0.94	0	0
WV1020609	009	2003 to 2004	0.18625	0.209166667	0	0	0.145833333	0.166666667	0	0
WV1020609	009	2004 to 2005	0.337777778	0.578333333	0	0	0.14	0.258888889	0	0
WV1020609	010	2003 to 2004	3.405	6.4175	0	0	0	0	20.375	37.25
WV1020609	010	2004 to 2005	0.48625	0.861875	0	0	0	0	0	0
WV1020609	011	2003 to 2004	5.86	11.72	0	0	0	0	0	0
WV1020609	011	2004 to 2005	0	0	0	0	0	0	0	0
WV1020609	012	2003 to 2004	0.94	1.88	0	0	0	0	0	0
WV1020609	012	2004 to 2005								
WV1020609	013	2003 to 2004	1.727222222	3.218888889	0.817222222	1.523888889	0	0	21.41666667	31.33333333
WV1020609	013	2004 to 2005	0.434444444	0.638333333	0	0	0	0	0	0
WV1020609	023	2003 to 2004								
WV1020609	023	2004 to 2005	1.316666667	2.306666667	0	1.088333333	0	0	27.33333333	0
WV1020609	025	2003 to 2004								
WV1020609	025	2004 to 2005	1.106666667	2.21	0.563333333	1.126666667	0.445	0.886666667	21.66666667	43.33333333
WV1020609	033	2003 to 2004								
WV1020609	033	2004 to 2005	0.515	0.662777778	0	0	0.871111111	1.361111111	0	0
WV1020617	002	2003 to 2004								
WV1020617	002	2004 to 2005		0.277		0.24		0.21		9
WV1020650	008	2003 to 2004								
WV1020650	008	2004 to 2005	0.1675	0.21	0	0.0075	0.0575	0.075	4.875	8
WV1020650	009	2003 to 2004								
WV1020650	009	2004 to 2005	0.06	0.065	0.46	0.475	0.2675	0.28	3.25	5.75
WV1020978	001	2003 to 2004								
WV1020978	001	2004 to 2005	0.07	0.07	0.1	0.1	0.01	0.01	4	4
WV1021095	001	2003 to 2004	0.115	0.18	0.215	0.26	0.23	0.25	0	0
WV1021095	001	2004 to 2005	0.143125	0.185041667	0.294166667	0.336708333	0.294583333	0.325875	8.958333333	13.79170833
WV1021141	DSDF-01	2003 to 2004								
WV1021141	DSDF-01	2004 to 2005	0.24	0.3	0.15	0.15	0.04	0.04		
WV1021141	DSJF-12	2003 to 2004								
WV1021141	DSJF-12	2004 to 2005	0.22	0.25	0.08	0.09	0.01	0.01	3	3
WV1021141	USDF-01	2003 to 2004								



**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WV1021141	USDF-01	2004 to 2005	0.21	0.27	0.15	0.17	0.06	0.07	3	3
WV1021613	001	2003 to 2004								
WV1021613	001	2004 to 2005	0.077272727	0.093636364	0.100909091	0.135909091	0.085681818	0.114090909	6.363636364	7.772727273
WV1021664	001	2003 to 2004								
WV1021664	001	2004 to 2005	0.055833333	0.073333333	0.050833333	0.08	0.029166667	0.045	1.25	1.5
WV1021664	009	2003 to 2004								
WV1021664	009	2004 to 2005	0.46	0.46	0.52	0.52	0.17	0.17	0	0
WV1021681	004	2003 to 2004								
WV1021681	004	2004 to 2005	0.248125	0.2656875	0.390625	0.4000625	0.5125	0.5375625	26.21875	29.1250625
WV1021681	006	2003 to 2004								
WV1021681	006	2004 to 2005	0.075	0.111666667	0.15	0.211666667	0.034166667	0.041666667	3.166666667	5.75
WVG012002	001	2003 to 2004	0.154	0.226	0.3625	0.56	0.041	0.065	8.229166667	10.83333333
WVG012002	001	2004 to 2005	0.262	0.373	0.547	0.781	0.084	0.119	14.075	25.3
WVG013068	001	2003 to 2004	0.62	1.23	0	0	0	0	0	0
WVG013068	001	2004 to 2005								
WVG013068	014	2003 to 2004	0.38	0.76	0	0	0	0	0	0
WVG013068	014	2004 to 2005								
WVG014003	003	2003 to 2004			0.875	0.875	0.185	0.185	16.165	16.165
WVG014003	003	2004 to 2005								
WVG014010	001	2003 to 2004								
WVG014010	001	2004 to 2005	0.36	0.438	0.32375	0.364	0.184	0.198	6.25	8.85
WVG015007	002	2003 to 2004	0.136666667	0.166666667	0.328333333	0.378333333	0.15	0.1575	4.195	5.39
WVG015007	002	2004 to 2005								
WVG015007	003	2003 to 2004	0.05	0.05	0.03	0.03	0.01	0.01	3	3
WVG015007	003	2004 to 2005								
WVG015007	004	2003 to 2004	0.07	0.07	0.1	0.1	0.01	0.01	3	3
WVG015007	004	2004 to 2005								
WVG015007	005	2003 to 2004	1.1525	1.4325	0.1725	0.1725	0.015	0.02	12.0025	13.085
WVG015007	005	2004 to 2005	0.14875	0.23875	0.2075	0.22625	0.01875	0.0225	4.5625	5.2075
WVG015007	007	2003 to 2004	0.3175	0.3925	0.264	0.308	0.01625	0.02125	6.166	7.8
WVG015007	007	2004 to 2005	0.329090909	0.496363636	0.161818182	0.202727273	0.017272727	0.022727273	8.953636364	11.12090909
WVG015007	009	2003 to 2004	0.105	0.105	0.125	0.125	0.03	0.03	9.165	9.165
WVG015007	009	2004 to 2005	0.54	0.54	1.27	1.27	0.25	0.25	14.7	14.7
WVG015014	001	2003 to 2004	0.4	0.4	0.2175	0.305	0.04875	0.0675	9	14.25
WVG015014	001	2004 to 2005	0.4375	0.466666667	0.490625	0.722222222	0.125625	0.165555556	15.0625	24.66666667

**Table F-3. Annual Average Concentrations (mg/L) in WVDMR for AMD Outfalls**

NPDES ID	Outfall Number	Loadings Year	Aluminum Average Conc. (a)	Aluminum Maximum Conc. (a)	Iron Average Conc. (a)	Iron Maximum Conc. (a)	Manganese Average Conc. (a)	Manganese Maximum Conc. (a)	TSS Average Conc. (a)	TSS Maximum Conc. (a)
WVG015033	DMF	2003 to 2004	0.4	0.4	0.185	0.32	0.02	0.02		
WVG015033	DMF	2004 to 2005								
WVG015034	002	2003 to 2004	0.093333333	0.13	0.034545455	0.039090909	0.01	0.01	3.181818182	4
WVG015034	002	2004 to 2005			0.028333333	0.042083333			1.583333333	2.291666667
WVG015050	001	2003 to 2004								
WVG015050	001	2004 to 2005	0.4	0.4	0.225	0.28	0.0525	0.07	4.75	7
WVG022516	001	2003 to 2004	0.128666667	0.128666667	0.034666667	0.034666667	0.009666667	0.009666667	1.666666667	1.666666667
WVG022516	001	2004 to 2005	0.152	0.152	0.04025	0.04025	0.01225	0.01225	4.285	4.285
WVG022516	002	2003 to 2004	0.1805	0.1805	0.05085	0.05085	0.023	0.023	13	13
WVG022516	002	2004 to 2005	0.0905	0.0905	0.1285	0.1285	0.07625	0.07625	9.285	9.285

Source: WVDMR.

(a) For the pollutant loadings analysis, EPA used ½ the detection limit as the sample concentration if at least one sample for the loading year was detected. If all the samples for a loading year were non-detect, EPA estimated pollutant loadings using a concentration of zero (i.e., zero loads).

**Table F-4. Revised Pollutant Concentrations (mg/L) for Outfalls with Monthly Loadings Exceeding 10,000 lbs/month in WVDMR for AMD Outfalls**

NPDES ID	Inspection Code	Loadings Year	PRAM Description	Sample Date	AvgOfMCAV (a)	MaxOfMCMX (a)
WV0028452	003	2003 to 2004	Total Suspended Solids	30-Sep-03	159.1875	316
WV0038288	201	2004 to 2005	Iron, Total (As Fe)	31-Oct-04		837
WV0038288	201	2003 to 2004	Iron, Total (As Fe)	31-Aug-03		506
WV0038288	201	2003 to 2004	Iron, Total (As Fe)	31-Mar-04		463
WV0038288	201	2003 to 2004	Iron, Total (As Fe)	31-Dec-03		208
WV0038288	203	2003 to 2004	Iron, Total (As Fe)	31-Mar-04		36820
WV0038288	HAGANS PUMP	2004 to 2005	Iron, Total (As Fe)	31-Dec-04		184
WV0038288	HAGANS PUMP	2004 to 2005	Iron, Total (As Fe)	31-Mar-05		176
WV0038288	HAGANS PUMP	2004 to 2005	Iron, Total (As Fe)	31-Oct-04		173
WV0038288	HAGANS PUMP	2004 to 2005	Iron, Total (As Fe)	31-Jan-05		168
WV0038288	HAGANS PUMP	2004 to 2005	Iron, Total (As Fe)	28-Feb-05		158
WV0038288	HAGANS PUMP	2004 to 2005	Iron, Total (As Fe)	30-Sep-04		107
WV0038288	CP	2004 to 2005	Iron, Total (As Fe)	31-Mar-05		298
WV0050857	201	2003 to 2004	Iron, Total (As Fe)	30-Sep-03	579	579
WV0050857	201	2003 to 2004	Iron, Total (As Fe)	31-Dec-03	554	554
WV0050857	201	2003 to 2004	Iron, Total (As Fe)	31-Oct-03	554	554
WV0050857	201	2003 to 2004	Iron, Total (As Fe)	30-Jun-03	239	239
WV0051101	003	2004 to 2005	Total Suspended Solids	31-Dec-04	517	1001
WV0056693	022	2003 to 2004	Total Suspended Solids	29-Feb-04	3950	3950
WV0064050	001	2003 to 2004	Total Suspended Solids	31-Jul-03	271	271
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	31-May-03	1704	1952
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	30-Apr-03	1538	1816
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	31-Jul-03	1181	1222
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	30-Jun-03	1157	1221
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	30-Sep-03	968.7	1107.22
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	31-Oct-03	864.8505	896.28
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	30-Nov-03	793.335	798.27
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	31-Jan-04	760.827	801.694
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	31-Mar-04	686.9785	800.467
WV0095206	WL-3	2004 to 2005	Iron, Total (As Fe)	30-Apr-04	645.9765	666.62
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	29-Feb-04	586.61	727.84
WV0095206	WL-3	2004 to 2005	Iron, Total (As Fe)	31-May-04	585.806	613.423
WV0095206	WL-3	2004 to 2005	Iron, Total (As Fe)	31-Mar-05	579.3375	640
WV0095206	WL-3	2004 to 2005	Iron, Total (As Fe)	30-Jun-04	557.1165	577.327
WV0095206	WL-3	2004 to 2005	Iron, Total (As Fe)	28-Feb-05	538.835	548.93
WV0095206	WL-3	2004 to 2005	Iron, Total (As Fe)	31-Jul-04	513.004	560.14
WV0095206	WL-3	2004 to 2005	Iron, Total (As Fe)	31-Aug-04	489.0495	515.987
WV0095206	WL-3	2003 to 2004	Aluminum, Total (as Al)	31-May-03	475.5	538
WV0095206	WL-3	2003 to 2004	Aluminum, Total (as Al)	30-Apr-03	446.5	485
WV0095206	WL-3	2003 to 2004	Aluminum, Total (as Al)	30-Jun-03	362	363
WV0095206	WL-3	2003 to 2004	Aluminum, Total (as Al)	31-Jul-03	334	344
WV0095206	WL-3	2003 to 2004	Iron, Total (As Fe)	31-Dec-03	280.875	558.86
WV0095206	WL-3	2003 to 2004	Aluminum, Total (as Al)	30-Sep-03	244.6115	249.245
WV0095206	WL-3	2003 to 2004	Aluminum, Total (as Al)	31-Oct-03	187.1305	189.901
WV0095206	WL-3	2003 to 2004	Aluminum, Total (as Al)	31-Jan-04	170.47	186.13
WV0095206	WL-3	2003 to 2004	Aluminum, Total (as Al)	31-Mar-04	159.2945	173.119
WV0095206	WL-3	2004 to 2005	Aluminum, Total (as Al)	31-Mar-05	151.009	163.268
WV0095206	WL-3	2003 to 2004	Aluminum, Total (as Al)	30-Nov-03	148.45	158.1
WV0095206	WL-3	2003 to 2004	Aluminum, Total (as Al)	29-Feb-04	139.83	140.7
WV0095206	WL-3	2004 to 2005	Aluminum, Total (as Al)	30-Apr-04	137.811	142.79
WV0095206	WL-3	2004 to 2005	Aluminum, Total (as Al)	31-May-04	126.388	132.888
WV0095206	WL-3	2004 to 2005	Aluminum, Total (as Al)	28-Feb-05	121.715	123.98

**Table F-4. Revised Pollutant Concentrations (mg/L) for Outfalls with Monthly Loadings Exceeding 10,000 lbs/month in WVDMR for AMD Outfalls**

NPDES ID	Inspection Code	Loadings Year	PRAM Description	Sample Date	AvgOfMCAV (a)	MaxOfMCMX (a)
WV0095206	WL-3	2004 to 2005	Aluminum, Total (as Al)	30-Jun-04	120.1065	125.898
WV0095206	WL-3	2004 to 2005	Aluminum, Total (as Al)	31-Jul-04	107.5945	115.428
WV0096199	001	2003 to 2004	Total Suspended Solids	31-Jul-03	174	174
WV0099651	010	2003 to 2004	Total Suspended Solids	30-Jun-03	705	705
WV1005251	003	2003 to 2004	Total Suspended Solids	31-May-03	155	308
WV1006258	002	2003 to 2004	Total Suspended Solids	29-Feb-04	300	350
WV1006258	002	2003 to 2004	Total Suspended Solids	31-Jan-04	267.5	285
WV1006258	002	2003 to 2004	Total Suspended Solids	31-Mar-04	250	250
WV1006258	002	2003 to 2004	Total Suspended Solids	31-Dec-03	250	300
WV1006258	002	2003 to 2004	Total Suspended Solids	30-Sep-03	179	200
WV1006258	002	2003 to 2004	Total Suspended Solids	30-Nov-03	175	200
WV1006258	002	2003 to 2004	Total Suspended Solids	31-Oct-03	175	200
WV1008129	005	2003 to 2004	Total Suspended Solids	30-Jun-03	163.5	278
WV1008307	EFUSMB	2004 to 2005	Iron, Total (As Fe)	31-Aug-04	135.5	270.97
WV1011936	001	2003 to 2004	Total Suspended Solids	30-Jun-03	148	275
WV1013173	001	2003 to 2004	Total Suspended Solids	30-Jun-03	219	428
WV1013173	002	2003 to 2004	Total Suspended Solids	30-Jun-03	3033	6048
WV1013173	003	2003 to 2004	Total Suspended Solids	30-Jun-03	1488.5	2944
WV1013378	013	2003 to 2004	Total Suspended Solids	31-Jul-03	1053.188	2104
WV1014951	001	2003 to 2004	Total Suspended Solids	30-Sep-03	171.1875	340
WV1015311	002	2003 to 2004	Total Suspended Solids	30-Jun-03	261.6875	521
WV1016784	044	2003 to 2004	Total Suspended Solids	30-Jun-03	1005.188	2008
WV1016849	002	2003 to 2004	Total Suspended Solids	30-Sep-03	441	877
WV1017004	001	2003 to 2004	Total Suspended Solids	31-Jan-04	2850	5700
WV1018051	002	2003 to 2004	Total Suspended Solids	30-Nov-03	276	474
WV1018051	002	2004 to 2005	Total Suspended Solids	30-Apr-04	242	460
WV1018914	047	2004 to 2005	Total Suspended Solids	31-May-04	395.5	756
WV1019066	009	2003 to 2004	Total Suspended Solids	30-Jun-03	2219.5	4426
WV1020412	004	2003 to 2004	Total Suspended Solids	29-Feb-04	252.5	544

Source: WVDMR.

a – For outfalls with monthly pollutant loadings exceeding 10,000 pounds using unrevised data, EPA identified concentrations reported above 100 mg/L. The median concentrations from all treated outfalls are: Total aluminum: 0.21 mg/L; Total iron: 0.23 mg/L; Total manganese: 0.12 mg/L; and TSS: 4.75 mg/L. Therefore, EPA concluded that these concentration values reported above 100 should have units of measurement of micrograms per liter. Note that if an outfall's initial pollutant loadings did not exceed 10,000 pounds per month, EPA did not modify the data received from WV DEP.

**Appendix G**

**ANNUAL AVERAGE CONCENTRATION VALUES AND ANNUAL AVERAGE FLOW RATES IN *PADEPINSPECTOR* BY POLLUTANT AND AMD OUTFALL**

Table G-1 Annual Average Flow Rates in *PADEPInspector* for AMD Outfalls

Table G-2 Annual Average Concentrations in *PADEPInspector* for AMD Outfalls

Table G-3 Revised Pollutant Concentrations for Outfalls with Monthly Loadings Exceeding 10,000 Lbs/month.

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
589	64609	LY2007	35	Gal/Min	0.0504
828	89950	LY2006	4	Gal/Min	0.00576
928	38979	LY2003	10	Gal/Min	0.0144
1048	15404	LY2003	75	Gal/Min	0.108
1048	15404	LY2004	100	Gal/Min	0.144
1497	82449	LY2005	5.4	Gal/Min	0.007776
1497	82449	LY2006	6.225	Gal/Min	0.008964
1497	82449	LY2007	7.395833333	Gal/Min	0.01065
1497	82450	LY2005	1.1	Gal/Min	0.001584
1497	82450	LY2006	2.85	Gal/Min	0.004104
1497	82450	LY2007	4.863636364	Gal/Min	0.007003636
1832	19685	LY2003	27.11111111	Gal/Min	0.03904
1832	19685	LY2004	44	Gal/Min	0.06336
1832	19685	LY2005	53.375	Gal/Min	0.07686
1832	19685	LY2006	24.4	Gal/Min	0.035136
1832	19685	LY2007	80.75	Gal/Min	0.11628
2496	34912	LY2003	30	Gal/Min	0.0432
2496	34912	LY2004	10.75	Gal/Min	0.01548
2496	34912	LY2005	6.666666667	Gal/Min	0.0096
2496	34912	LY2006	10	Gal/Min	0.0144
2496	34912	LY2007	4.5	Gal/Min	0.00648
2496	44482	LY2003	15	Gal/Min	0.0216
2496	58602	LY2005	40	Gal/Min	0.0576
2496	58602	LY2006	20	Gal/Min	0.0288
2496	58602	LY2007	11	Gal/Min	0.01584
2522	26400	LY2003	30	Gal/Min	0.0432
2522	26400	LY2004	21.66666667	Gal/Min	0.0312
2522	26400	LY2005	16	Gal/Min	0.02304
2522	26400	LY2006	25	Gal/Min	0.036
2522	26400	LY2007	15.33333333	Gal/Min	0.02208
2522	58602	LY2003	8	Gal/Min	0.01152
2522	58602	LY2004	30	Gal/Min	0.0432
3405	25954	LY2003	21.25	Gal/Min	0.0306
3405	25954	LY2004	30	Gal/Min	0.0432
3405	25954	LY2005	27.5	Gal/Min	0.0396
3405	25954	LY2006	35	Gal/Min	0.0504
3405	25954	LY2007	22.5	Gal/Min	0.0324
3405	25955	LY2003	24	Gal/Min	0.03456
3405	25955	LY2004	30.75	Gal/Min	0.04428
3405	25955	LY2005	27.425	Gal/Min	0.039492
3405	25955	LY2006	35.5	Gal/Min	0.05112
3405	25955	LY2007	23.675	Gal/Min	0.034092
3550	23353	LY2003	8.333333333	Gal/Min	0.012
3550	23353	LY2004	4	Gal/Min	0.00576
3550	23353	LY2005	22.5	Gal/Min	0.0324
3550	62144	LY2003	8	Gal/Min	0.01152
3550	62144	LY2004	5	Gal/Min	0.0072

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
3550	62144	LY2005	7.727272727	Gal/Min	0.011127273
3550	62144	LY2006	6.833333333	Gal/Min	0.00984
3550	62144	LY2007	8.833333333	Gal/Min	0.01272
3840	52288	LY2003	150	Gal/Min	0.216
3840	52288	LY2004	250	Gal/Min	0.36
3840	52288	LY2005	300	Gal/Min	0.432
3840	52288	LY2006	62.5	Gal/Min	0.09
3853	58914	LY2003	55	Gal/Min	0.0792
3853	71713	LY2003	65	Gal/Min	0.0936
3853	71713	LY2004	300	Gal/Min	0.432
3853	71713	LY2005	5	Gal/Min	0.0072
3853	94443	LY2007	162.5	Gal/Min	0.234
3860	23312	LY2003	75	Gal/Min	0.108
3860	23312	LY2004	55.41666667	Gal/Min	0.0798
3860	23312	LY2005	54.54545455	Gal/Min	0.078545455
3860	23312	LY2006	25.83333333	Gal/Min	0.0372
3860	23312	LY2007	19.5	Gal/Min	0.02808
3867	70408	LY2003	10	Gal/Min	0.0144
3867	70408	LY2004	5	Gal/Min	0.0072
3867	70408	LY2005	25	Gal/Min	0.036
4227	97962	LY2003	4	Gal/Min	0.00576
4227	97962	LY2004	3.666666667	Gal/Min	0.00528
4227	97962	LY2005	10	Gal/Min	0.0144
4227	97962	LY2006	1.833333333	Gal/Min	0.00264
4246	97986	LY2003	6.5	Gal/Min	0.00936
4246	97986	LY2004	147.5	Gal/Min	0.2124
4246	97986	LY2005	31.25	Gal/Min	0.045
4246	97986	LY2006	31.25	Gal/Min	0.045
4246	97986	LY2007	62.5	Gal/Min	0.09
4246	97987	LY2003	7.8	Gal/Min	0.011232
4246	97987	LY2004	65	Gal/Min	0.0936
4246	97987	LY2005	48.75	Gal/Min	0.0702
4246	97987	LY2006	34.28571429	Gal/Min	0.049371429
4246	97987	LY2007	65	Gal/Min	0.0936
4255	97961	LY2005	14	Gal/Min	0.02016
4255	97961	LY2006	80.75	Gal/Min	0.11628
4255	97961	LY2007	13	Gal/Min	0.01872
4255	97983	LY2004	50	Gal/Min	0.072
4255	97983	LY2005	20	Gal/Min	0.0288
4255	97983	LY2006	45	Gal/Min	0.0648
4255	97983	LY2007	25	Gal/Min	0.036
4286	97964	LY2003	73.18181818	Gal/Min	0.105381818
4286	97964	LY2004	92.5	Gal/Min	0.1332
4286	97964	LY2005	47.77777778	Gal/Min	0.0688
4286	97964	LY2006	36.25	Gal/Min	0.0522
4286	97964	LY2007	34.16666667	Gal/Min	0.0492
4292	39672	LY2003	102.5	Gal/Min	0.1476

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
4292	39672	LY2007	100	Gal/Min	0.144
4292	97983	LY2003	110.2	Gal/Min	0.158688
4292	97983	LY2004	37.5	Gal/Min	0.054
4292	97983	LY2005	45	Gal/Min	0.0648
4292	97983	LY2006	40	Gal/Min	0.0576
4292	97984	LY2003	89.40909091	Gal/Min	0.128749091
4292	97984	LY2004	5	Gal/Min	0.0072
4292	97984	LY2005	31.66666667	Gal/Min	0.0456
4292	97984	LY2006	34.33333333	Gal/Min	0.04944
4292	97984	LY2007	42.55666667	Gal/Min	0.0612816
4292	97985	LY2003	165.7142857	Gal/Min	0.238628571
4292	97985	LY2004	2	Gal/Min	0.00288
4292	97985	LY2005	18.33333333	Gal/Min	0.0264
4292	97985	LY2006	38	Gal/Min	0.05472
4292	97985	LY2007	91.66666667	Gal/Min	0.132
4393	16037	LY2003	12	Gal/Min	0.01728
4395	24837	LY2007	80	Gal/Min	0.1152
4395	85406	LY2005	39.5	Gal/Min	0.05688
4395	85406	LY2006	58.5	Gal/Min	0.08424
4395	85406	LY2007	120	Gal/Min	0.1728
4395	86483	LY2006	44.4375	Gal/Min	0.06399
4395	86483	LY2007	85.625	Gal/Min	0.1233
4395	93064	LY2007	76.66666667	Gal/Min	0.1104
4467	17725	LY2003	103.5	Gal/Min	0.14904
4467	17726	LY2005	4606.105	Gal/Min	6.6327912
4467	17726	LY2007	14.275	Gal/Min	0.020556
4468	54469	LY2006	10	Gal/Min	0.0144
4468	54472	LY2003	245	Gal/Min	0.3528
4468	64142	LY2003	151.6363636	Gal/Min	0.218356364
4468	64142	LY2004	135	Gal/Min	0.1944
4468	64142	LY2005	92.48	Gal/Min	0.1331712
4468	64142	LY2006	100.25	Gal/Min	0.14436
4468	64142	LY2007	73.33333333	Gal/Min	0.1056
4468	64143	LY2003	30.69090909	Gal/Min	0.044194909
4468	64143	LY2004	27.5	Gal/Min	0.0396
4468	64143	LY2005	20	Gal/Min	0.0288
4468	64144	LY2003	31.39090909	Gal/Min	0.045202909
4468	64144	LY2004	29	Gal/Min	0.04176
4468	64144	LY2005	26.7	Gal/Min	0.038448
4468	64145	LY2003	39.93636364	Gal/Min	0.057508364
4468	64145	LY2004	32	Gal/Min	0.04608
4468	64145	LY2005	25.5	Gal/Min	0.03672
4468	64146	LY2003	37.02727273	Gal/Min	0.053319273
4468	64146	LY2004	34.5	Gal/Min	0.04968
4468	64146	LY2005	100.25	Gal/Min	0.14436
4468	64146	LY2006	60	Gal/Min	0.0864
4468	64148	LY2003	26.27272727	Gal/Min	0.037832727



**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
4468	64148	LY2004	25	Gal/Min	0.036
4468	64149	LY2003	21.91818182	Gal/Min	0.031562182
4468	64149	LY2004	21.5	Gal/Min	0.03096
4468	64150	LY2003	34.84545455	Gal/Min	0.050177455
4468	64150	LY2004	36	Gal/Min	0.05184
4468	64151	LY2003	40.48181818	Gal/Min	0.058293818
4468	64151	LY2004	39	Gal/Min	0.05616
4468	64151	LY2005	7.5	Gal/Min	0.0108
4468	64152	LY2003	145.2727273	Gal/Min	0.209192727
4468	64152	LY2004	116.75	Gal/Min	0.16812
4468	64152	LY2005	94.5	Gal/Min	0.13608
4468	64152	LY2006	68.25	Gal/Min	0.09828
4468	64152	LY2007	68.66666667	Gal/Min	0.09888
4478	24186	LY2003	5.8125	Gal/Min	0.00837
4478	24186	LY2004	8.95	Gal/Min	0.012888
4478	24186	LY2005	8.665	Gal/Min	0.0124776
4478	24186	LY2006	10.11	Gal/Min	0.0145584
4478	24186	LY2007	10.13	Gal/Min	0.0145872
4621	14222	LY2007	10	Gal/Min	0.0144
4622	24223	LY2003	168.75	Gal/Min	0.243
4622	24223	LY2004	150	Gal/Min	0.216
4622	24223	LY2005	51	Gal/Min	0.07344
4622	24223	LY2007	187.5	Gal/Min	0.27
4709	17350	LY2003	46.25	Gal/Min	0.0666
4709	17350	LY2004	34.9	Gal/Min	0.050256
4709	17350	LY2005	22.875	Gal/Min	0.03294
4709	17350	LY2006	18.91666667	Gal/Min	0.02724
4709	17350	LY2007	19.08333333	Gal/Min	0.02748
4726	17376	LY2003	100	Gal/Min	0.144
4726	17376	LY2004	65	Gal/Min	0.0936
4726	17376	LY2005	45.72727273	Gal/Min	0.065847273
4726	17376	LY2006	43.5	Gal/Min	0.06264
4726	17376	LY2007	48.08333333	Gal/Min	0.06924
5065	17366	LY2003	3	Gal/Min	0.00432
5065	17366	LY2004	5	Gal/Min	0.0072
5065	17366	LY2005	40	Gal/Min	0.0576
5065	17366	LY2007	80	Gal/Min	0.1152
5462	22466	LY2003	2	Gal/Min	0.00288
5928	83885	LY2005	15.8	Gal/Min	0.022752
5928	83885	LY2006	27.4	Gal/Min	0.039456
5928	83885	LY2007	31.5	Gal/Min	0.04536
5999	17369	LY2003	6.75	Gal/Min	0.00972
5999	17369	LY2004	4.18125	Gal/Min	0.006021
5999	17369	LY2005	7.166666667	Gal/Min	0.01032
5999	17369	LY2006	14.71428571	Gal/Min	0.021188571
5999	17369	LY2007	7.0725	Gal/Min	0.0101844
50834	32855	LY2003	0.5	Gal/Min	0.00072

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
190515	32959	LY2005	50	Gal/Min	0.072
190515	81670	LY2005	50	Gal/Min	0.072
190515	81670	LY2006	47	Gal/Min	0.06768
190515	81670	LY2007	7.5	Gal/Min	0.0108
238703	32681	LY2003	25	Gal/Min	0.036
238703	32681	LY2004	20	Gal/Min	0.0288
238783	6901	LY2007	50	Gal/Min	0.072
238783	6902	LY2005	3	Gal/Min	0.00432
238783	6902	LY2006	0.454545455	Gal/Min	0.000654545
238943	6576	LY2005	5	Gal/Min	0.0072
239093	32886	LY2003	2	Gal/Min	0.00288
239098	29849	LY2006	3.5	Gal/Min	0.00504
240215	63954	LY2003	40.76666667	Gal/Min	0.058704
240215	63954	LY2004	26.45	Gal/Min	0.038088
240215	63954	LY2005	46.3	Gal/Min	0.066672
240215	63954	LY2006	10.33333333	Gal/Min	0.01488
240215	63954	LY2007	30.42857143	Gal/Min	0.043817143
240215	71700	LY2003	5.583333333	Gal/Min	0.00804
240215	71700	LY2005	1.5	Gal/Min	0.00216
240215	71700	LY2006	1	Gal/Min	0.00144
240215	71700	LY2007	2	Gal/Min	0.00288
240591	17451	LY2003	110.4166667	Gal/Min	0.159
240591	17451	LY2004	84.09090909	Gal/Min	0.121090909
240591	17451	LY2005	128.875	Gal/Min	0.18558
240591	17451	LY2006	57.63636364	Gal/Min	0.082996364
240591	17451	LY2007	91.5	Gal/Min	0.13176
240591	91563	LY2006	65	Gal/Min	0.0936
240591	91563	LY2007	46.66666667	Gal/Min	0.0672
240591	91564	LY2006	30	Gal/Min	0.0432
240591	91565	LY2006	25	Gal/Min	0.036
240591	91566	LY2006	57.5	Gal/Min	0.0828
240591	91566	LY2007	51.11111111	Gal/Min	0.0736
240591	98583	LY2007	54	Gal/Min	0.07776
240591	98584	LY2007	22	Gal/Min	0.03168
240591	98585	LY2007	20	Gal/Min	0.0288
240591	98587	LY2007	15	Gal/Min	0.0216
240591	98589	LY2007	10	Gal/Min	0.0144
240591	99687	LY2007	55	Gal/Min	0.0792
240606	17451	LY2005	24	Gal/Min	0.03456
240606	17451	LY2007	5	Gal/Min	0.0072
240705	47344	LY2003	0.5	Gal/Min	0.00072
240705	47345	LY2004	2	Gal/Min	0.00288
240834	54467	LY2003	124.8	Gal/Min	0.179712
240834	54467	LY2004	5	Gal/Min	0.0072
240834	54467	LY2006	22	Gal/Min	0.03168
240858	24502	LY2003	1020	Gal/Min	1.4688
240858	24502	LY2004	998.0769231	Gal/Min	1.437230769

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
240858	24502	LY2005	807.7777778	Gal/Min	1.1632
240858	24502	LY2006	1416.666667	Gal/Min	2.04
240858	24502	LY2007	1207.692308	Gal/Min	1.739076923
240903	26565	LY2006	5	Gal/Min	0.0072
242342	82446	LY2005	8.1375	Gal/Min	0.011718
242342	82446	LY2006	73.81818182	Gal/Min	0.106298182
242342	82446	LY2007	39.58333333	Gal/Min	0.057
242404	88770	LY2006	45	Gal/Min	0.0648
242404	88770	LY2007	56.25	Gal/Min	0.081
242413	90592	LY2006	36.66666667	Gal/Min	0.0528
242413	90592	LY2007	49.16666667	Gal/Min	0.0708
242489	82583	LY2005	3	Gal/Min	0.00432
242625	33004	LY2005	3	Gal/Min	0.00432
242625	33004	LY2006	2.5	Gal/Min	0.0036
242625	33005	LY2004	40	Gal/Min	0.0576
242625	33005	LY2005	60	Gal/Min	0.0864
242625	33005	LY2006	27.5	Gal/Min	0.0396
242625	74850	LY2004	25	Gal/Min	0.036
244691	55311	LY2003	23.71909091	Gal/Min	0.034155491
244691	55311	LY2004	21.95333333	Gal/Min	0.0316128
244778	56556	LY2006	10	Gal/Min	0.0144
246601	92744	LY2006	60	Gal/Min	0.0864
246601	92744	LY2007	50	Gal/Min	0.072
246683	28935	LY2003	17.5	Gal/Min	0.0252
246683	28935	LY2004	50	Gal/Min	0.072
246683	28935	LY2005	20	Gal/Min	0.0288
247246	72965	LY2003	18.75	Gal/Min	0.027
247246	72965	LY2004	14.8	Gal/Min	0.021312
247246	72965	LY2005	20.25	Gal/Min	0.02916
247246	72965	LY2006	16.35	Gal/Min	0.023544
247246	72965	LY2007	21.42857143	Gal/Min	0.030857143
247251	24154	LY2003	5.666666667	Gal/Min	0.00816
247251	24154	LY2004	3.791666667	Gal/Min	0.00546
247251	24154	LY2005	4.875	Gal/Min	0.00702
247262	71083	LY2007	10	Gal/Min	0.0144
247276	23922	LY2003	106.25	Gal/Min	0.153
247276	23922	LY2004	78.33333333	Gal/Min	0.1128
247276	23922	LY2005	27.5	Gal/Min	0.0396
247276	23922	LY2006	99	Gal/Min	0.14256
247276	23922	LY2007	83	Gal/Min	0.11952
248092	23496	LY2003	265.625	Gal/Min	0.3825
248092	23496	LY2004	146.25	Gal/Min	0.2106
248092	23496	LY2005	60.625	Gal/Min	0.0873
248092	23496	LY2006	185.4545455	Gal/Min	0.267054545
248092	23496	LY2007	247.5	Gal/Min	0.3564
248119	14349	LY2003	100	Gal/Min	0.144
248296	47338	LY2005	5	Gal/Min	0.0072

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
248296	47338	LY2007	30	Gal/Min	0.0432
248296	47340	LY2004	10	Gal/Min	0.0144
251033	72108	LY2003	1.75	Gal/Min	0.00252
251033	72108	LY2004	4	Gal/Min	0.00576
251033	72108	LY2006	1	Gal/Min	0.00144
252923	69288	LY2003	43.55	Gal/Min	0.062712
253466	20945	LY2003	102.0625	Gal/Min	0.14697
253466	20945	LY2004	163.3333333	Gal/Min	0.2352
253466	20945	LY2005	92.64285714	Gal/Min	0.133405714
253466	20945	LY2006	189.2072727	Gal/Min	0.272458473
253466	20945	LY2007	94.804	Gal/Min	0.13651776
253823	40828	LY2003	3.666666667	Gal/Min	0.00528
253919	6231	LY2005	62.5	Gal/Min	0.09
253919	6236	LY2003	15.136	Gal/Min	0.02179584
253919	6236	LY2004	19.33333333	Gal/Min	0.02784
253919	79573	LY2005	20.6	Gal/Min	0.029664
254757	13041	LY2003	21.5	Gal/Min	0.03096
254757	13041	LY2004	22.5	Gal/Min	0.0324
254757	13041	LY2005	16	Gal/Min	0.02304
254757	13041	LY2006	8.5	Gal/Min	0.01224
254757	13041	LY2007	5.25	Gal/Min	0.00756
254770	62754	LY2006	0.25	Gal/Min	0.00036
254775	40823	LY2006	1.5	Gal/Min	0.00216
254775	40823	LY2007	15	Gal/Min	0.0216
254793	95443	LY2007	20	Gal/Min	0.0288
257174	16885	LY2003	75	Gal/Min	0.108
257174	16885	LY2005	50	Gal/Min	0.072
258320	9835	LY2003	13.75	Gal/Min	0.0198
258320	9835	LY2004	48.33333333	Gal/Min	0.0696
258320	9835	LY2005	2	Gal/Min	0.00288
259728	49780	LY2003	50	Gal/Min	0.072
259728	49780	LY2004	400	Gal/Min	0.576
259728	49780	LY2006	0.75	Gal/Min	0.00108
259728	49781	LY2003	0.5	Gal/Min	0.00072
259728	49781	LY2005	0.5	Gal/Min	0.00072
259728	49781	LY2006	0.75	Gal/Min	0.00108
259938	66877	LY2003	12.25	Gal/Min	0.01764
259938	66877	LY2004	6.5	Gal/Min	0.00936
259938	66877	LY2005	5.5	Gal/Min	0.00792
259938	66877	LY2006	25	Gal/Min	0.036
259938	66877	LY2007	20.5	Gal/Min	0.02952
259938	80390	LY2005	7.5	Gal/Min	0.0108
259938	80390	LY2006	12	Gal/Min	0.01728
259938	80390	LY2007	4.375	Gal/Min	0.0063
260413	23628	LY2003	452.0833333	Gal/Min	0.651
260413	23628	LY2004	522.7272727	Gal/Min	0.752727273
260413	23628	LY2005	566.6666667	Gal/Min	0.816

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
260413	24490	LY2003	117.8571429	Gal/Min	0.169714286
260413	24490	LY2004	136.1111111	Gal/Min	0.196
260413	24490	LY2005	135.7142857	Gal/Min	0.195428571
260413	24490	LY2006	137.5	Gal/Min	0.198
260413	83823	LY2005	1.75	Gal/Min	0.00252
260413	83823	LY2006	4.875	Gal/Min	0.00702
260413	83823	LY2007	3.916666667	Gal/Min	0.00564
260413	83824	LY2005	5	Gal/Min	0.0072
260413	83824	LY2006	16.60666667	Gal/Min	0.0239136
260413	83824	LY2007	11.49285714	Gal/Min	0.016549714
260413	83825	LY2005	327.5	Gal/Min	0.4716
260413	83825	LY2006	480.4545455	Gal/Min	0.691854545
260413	83825	LY2007	519.2307692	Gal/Min	0.747692308
260413	83826	LY2005	187.5	Gal/Min	0.27
260413	83826	LY2006	245.4545455	Gal/Min	0.353454545
260413	83826	LY2007	200	Gal/Min	0.288
260413	83827	LY2005	5	Gal/Min	0.0072
260413	83827	LY2006	112.2222222	Gal/Min	0.1616
260413	83827	LY2007	131.875	Gal/Min	0.1899
260413	83828	LY2005	5	Gal/Min	0.0072
260413	83828	LY2006	30	Gal/Min	0.0432
260413	83828	LY2007	33	Gal/Min	0.04752
260413	83829	LY2006	120	Gal/Min	0.1728
260413	83829	LY2007	125	Gal/Min	0.18
260413	83830	LY2006	4.714285714	Gal/Min	0.006788571
260413	83830	LY2007	2.7	Gal/Min	0.003888
260413	83831	LY2006	9.041666667	Gal/Min	0.01302
260413	83831	LY2007	26.66666667	Gal/Min	0.0384
260423	24490	LY2003	125	Gal/Min	0.18
260423	24490	LY2004	136.3636364	Gal/Min	0.196363636
260423	24490	LY2005	137.5	Gal/Min	0.198
261292	23211	LY2003	48.5	Gal/Min	0.06984
261292	23211	LY2005	35	Gal/Min	0.0504
261292	23213	LY2003	18	Gal/Min	0.02592
261292	23213	LY2005	4	Gal/Min	0.00576
262109	19276	LY2003	45	Gal/Min	0.0648
262109	19276	LY2004	13.5	Gal/Min	0.01944
262109	19276	LY2005	25	Gal/Min	0.036
262109	19276	LY2006	25.83333333	Gal/Min	0.0372
262109	19276	LY2007	50	Gal/Min	0.072
262460	19287	LY2005	20	Gal/Min	0.0288
263929	23034	LY2006	5.666666667	Gal/Min	0.00816
263929	23034	LY2007	7	Gal/Min	0.01008
264369	18740	LY2007	173.3333333	Gal/Min	0.2496
264726	55808	LY2007	3250	Gal/Min	4.68
265379	19630	LY2004	50	Gal/Min	0.072
265538	8968	LY2003	40.22222222	Gal/Min	0.05792

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
265538	8968	LY2004	37	Gal/Min	0.05328
265538	8968	LY2005	16.16666667	Gal/Min	0.02328
265538	8968	LY2006	34.5	Gal/Min	0.04968
265538	8968	LY2007	16.88636364	Gal/Min	0.024316364
265538	54171	LY2004	2.8	Gal/Min	0.004032
265538	54171	LY2005	0.071428571	Gal/Min	0.000102857
266019	47090	LY2004	2.5	Gal/Min	0.0036
267724	55394	LY2003	950	Gal/Min	1.368
267724	55394	LY2004	950	Gal/Min	1.368
267724	55394	LY2005	950	Gal/Min	1.368
267724	55394	LY2006	950	Gal/Min	1.368
267724	55397	LY2003	950	Gal/Min	1.368
267724	55397	LY2004	950	Gal/Min	1.368
267724	55397	LY2005	950	Gal/Min	1.368
267902	58687	LY2003	750	Gal/Min	1.08
267902	58687	LY2004	750	Gal/Min	1.08
267902	58687	LY2005	750	Gal/Min	1.08
267902	58687	LY2006	750	Gal/Min	1.08
268905	19587	LY2003	1050	Gal/Min	1.512
268905	19587	LY2004	75	Gal/Min	0.108
268905	19587	LY2005	250	Gal/Min	0.36
268905	19588	LY2004	250	Gal/Min	0.36
269572	19149	LY2005	1.5	Gal/Min	0.00216
269646	6982	LY2003	21.11111111	Gal/Min	0.0304
269646	6982	LY2004	6.5	Gal/Min	0.00936
269989	40777	LY2003	45	Gal/Min	0.0648
269989	40777	LY2004	35.5	Gal/Min	0.05112
269989	40777	LY2005	25	Gal/Min	0.036
269989	40777	LY2006	35	Gal/Min	0.0504
269989	40777	LY2007	22.5	Gal/Min	0.0324
270369	68230	LY2004	60	Gal/Min	0.0864
270369	68231	LY2004	60	Gal/Min	0.0864
270369	68235	LY2004	10	Gal/Min	0.0144
270454	63919	LY2004	6	Gal/Min	0.00864
270454	63919	LY2005	15	Gal/Min	0.0216
270613	55756	LY2003	40	Gal/Min	0.0576
270613	55756	LY2005	115	Gal/Min	0.1656
270613	55756	LY2006	50	Gal/Min	0.072
270613	75003	LY2004	2	Gal/Min	0.00288
270613	86490	LY2006	10	Gal/Min	0.0144
270620	41336	LY2004	25	Gal/Min	0.036
270621	15430	LY2004	100	Gal/Min	0.144
270621	15430	LY2007	10	Gal/Min	0.0144
270690	61700	LY2003	135	Gal/Min	0.1944
270690	61700	LY2005	125	Gal/Min	0.18
270690	61700	LY2006	150	Gal/Min	0.216
270690	61700	LY2007	200	Gal/Min	0.288

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
270690	97956	LY2003	211.1111111	Gal/Min	0.304
270690	97956	LY2004	150.1666667	Gal/Min	0.21624
270690	97956	LY2005	136	Gal/Min	0.19584
270690	97956	LY2006	108.3333333	Gal/Min	0.156
270690	97956	LY2007	210.4166667	Gal/Min	0.303
270690	97959	LY2003	13.54	Gal/Min	0.0194976
270690	97959	LY2004	27.5	Gal/Min	0.0396
270690	97959	LY2007	31.42857143	Gal/Min	0.045257143
270690	97989	LY2003	65	Gal/Min	0.0936
270690	97989	LY2004	28.4	Gal/Min	0.040896
270690	97989	LY2005	31.66666667	Gal/Min	0.0456
270690	97989	LY2006	15.75	Gal/Min	0.02268
270690	97989	LY2007	37.85714286	Gal/Min	0.054514286
271106	23764	LY2003	1	Gal/Min	0.00144
271106	23764	LY2004	3	Gal/Min	0.00432
271671	19769	LY2003	88.33333333	Gal/Min	0.1272
271671	19769	LY2004	250	Gal/Min	0.36
271671	19776	LY2003	10	Gal/Min	0.0144
271671	19776	LY2004	125	Gal/Min	0.18
271671	53718	LY2003	2.5	Gal/Min	0.0036
271671	53718	LY2004	10	Gal/Min	0.0144
271671	53718	LY2005	9	Gal/Min	0.01296
271671	53718	LY2006	35	Gal/Min	0.0504
271671	53718	LY2007	26.5	Gal/Min	0.03816
271671	64444	LY2003	33	Gal/Min	0.04752
271671	64444	LY2004	87.5	Gal/Min	0.126
271671	64444	LY2005	100	Gal/Min	0.144
271671	64444	LY2006	5	Gal/Min	0.0072
271674	79403	LY2004	100	Gal/Min	0.144
271674	79403	LY2005	250	Gal/Min	0.36
272018	19092	LY2005	1.5	Gal/Min	0.00216
272018	19092	LY2006	10	Gal/Min	0.0144
272018	19092	LY2007	1	Gal/Min	0.00144
272018	47041	LY2005	1	Gal/Min	0.00144
272018	47041	LY2006	1	Gal/Min	0.00144
272154	13097	LY2004	30	Gal/Min	0.0432
272262	23367	LY2003	300	Gal/Min	0.432
272262	23367	LY2005	400	Gal/Min	0.576
272262	23367	LY2006	350	Gal/Min	0.504
272262	23367	LY2007	95.83333333	Gal/Min	0.138
272355	52801	LY2003	2996	Gal/Min	4.31424
272839	21025	LY2006	2160	Gal/Min	3.1104
272839	21025	LY2007	3333.333333	Gal/Min	4.8
275099	12454	LY2003	2600	Gal/Min	3.744
275099	12454	LY2004	3200	Gal/Min	4.608
275099	12454	LY2005	3166.666667	Gal/Min	4.56
275099	12454	LY2006	2900	Gal/Min	4.176

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
275099	12454	LY2007	2200	Gal/Min	3.168
276847	18877	LY2004	38.57142857	Gal/Min	0.055542857
276847	18877	LY2005	47.72727273	Gal/Min	0.068727273
276847	18877	LY2006	79.58333333	Gal/Min	0.1146
276847	18877	LY2007	60.76923077	Gal/Min	0.087507692
276867	58274	LY2004	42.5	Gal/Min	0.0612
276867	58274	LY2005	23	Gal/Min	0.03312
276867	58274	LY2006	66.91666667	Gal/Min	0.09636
276867	58274	LY2007	0.166666667	Gal/Min	0.00024
276902	20119	LY2004	4	Gal/Min	0.00576
276952	20694	LY2003	90.90909091	Gal/Min	0.130909091
276952	20694	LY2004	111.25	Gal/Min	0.1602
276952	20694	LY2005	68	Gal/Min	0.09792
276952	20694	LY2006	61.66666667	Gal/Min	0.0888
276952	20694	LY2007	52	Gal/Min	0.07488
277021	18646	LY2003	345.4166667	Gal/Min	0.4974
277021	18646	LY2004	262.0833333	Gal/Min	0.3774
277021	18646	LY2005	317.3076923	Gal/Min	0.456923077
277021	18646	LY2006	349.9166667	Gal/Min	0.50388
277021	18646	LY2007	460.4545455	Gal/Min	0.663054545
277021	18647	LY2003	1238.888889	Gal/Min	1.784
277021	18647	LY2004	601.8	Gal/Min	0.866592
277021	18647	LY2005	530.2	Gal/Min	0.763488
277021	18647	LY2006	1554.636364	Gal/Min	2.238676364
277021	18647	LY2007	1358.285714	Gal/Min	1.955931429
277172	51798	LY2003	5.04	MGD	5.04
277172	51798	LY2006	2950	Gal/Min	4.248
278840	58690	LY2006	18.33333333	Gal/Min	0.0264
278841	19463	LY2003	10	Gal/Min	0.0144
278841	19463	LY2004	50.5	Gal/Min	0.07272
278841	19463	LY2005	50	Gal/Min	0.072
278841	19463	LY2006	49.57142857	Gal/Min	0.071382857
278841	19463	LY2007	47.5	Gal/Min	0.0684
278948	18616	LY2003	8	Gal/Min	0.01152
278948	18616	LY2004	46	Gal/Min	0.06624
278948	18616	LY2005	84	Gal/Min	0.12096
278948	18616	LY2006	72.5	Gal/Min	0.1044
278948	18616	LY2007	55	Gal/Min	0.0792
279046	18634	LY2003	2500	Gal/Min	3.6
279046	18634	LY2004	2527.272727	Gal/Min	3.639272727
279046	18634	LY2005	3128.571429	Gal/Min	4.505142857
279046	18634	LY2006	2004.166667	Gal/Min	2.886
279046	18634	LY2007	2733.333333	Gal/Min	3.936
279325	63863	LY2003	196.3636364	Gal/Min	0.282763636
279325	63863	LY2004	610	Gal/Min	0.8784
279325	63863	LY2005	754.5454545	Gal/Min	1.086545455
279325	63863	LY2006	1000	Gal/Min	1.44



**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
279325	63863	LY2007	1416.666667	Gal/Min	2.04
279520	19412	LY2004	50	Gal/Min	0.072
279781	41917	LY2003	435	Gal/Min	0.6264
279781	41917	LY2004	1980	Gal/Min	2.8512
279781	41917	LY2005	1625	Gal/Min	2.34
280584	10285	LY2003	1977.777778	Gal/Min	2.848
280584	10285	LY2004	2012.5	Gal/Min	2.898
280584	10285	LY2005	1450	Gal/Min	2.088
280584	10285	LY2006	1538.5	Gal/Min	2.21544
280584	10285	LY2007	1314.285714	Gal/Min	1.892571429
280626	19117	LY2004	20.16666667	Gal/Min	0.02904
280626	19117	LY2005	67	Gal/Min	0.09648
280833	19027	LY2004	10	Gal/Min	0.0144
280833	19027	LY2007	2	Gal/Min	0.00288
281838	51181	LY2003	525.14125	Gal/Min	0.7562034
281838	51181	LY2004	314.125	Gal/Min	0.45234
281838	51181	LY2005	320	Gal/Min	0.4608
281838	51181	LY2006	162.5	Gal/Min	0.234
281838	51181	LY2007	7.5	Gal/Min	0.0108
466986	67305	LY2003	76.22222222	Gal/Min	0.10976
466986	67305	LY2004	89.72727273	Gal/Min	0.129207273
466986	67305	LY2005	51.25	Gal/Min	0.0738
466986	67305	LY2006	11.11111111	Gal/Min	0.016
466986	67305	LY2007	50	Gal/Min	0.072
468702	12979	LY2003	21.6	Gal/Min	0.031104
468702	12979	LY2004	25.65	Gal/Min	0.036936
468702	12979	LY2005	17.675	Gal/Min	0.025452
468702	12979	LY2006	21	Gal/Min	0.03024
468702	12979	LY2007	25.27777778	Gal/Min	0.0364
468705	40761	LY2003	36	Gal/Min	0.05184
468705	40761	LY2005	13.66666667	Gal/Min	0.01968
468705	40761	LY2007	9	Gal/Min	0.01296
468705	62291	LY2003	70	Gal/Min	0.1008
468705	62291	LY2004	90	Gal/Min	0.1296
468705	62291	LY2005	45	Gal/Min	0.0648
468705	62291	LY2006	49.33333333	Gal/Min	0.07104
468705	62291	LY2007	90	Gal/Min	0.1296
468707	63830	LY2004	75	Gal/Min	0.108
479775	33287	LY2005	15.66666667	Gal/Min	0.02256
479814	42226	LY2003	1	Gal/Min	0.00144
479814	42226	LY2004	2	Gal/Min	0.00288
479814	42226	LY2007	1.666666667	Gal/Min	0.0024
481386	10085	LY2005	1000	Gal/Min	1.44
481386	10085	LY2006	1354.545455	Gal/Min	1.950545455
481386	10085	LY2007	1550	Gal/Min	2.232
481396	10085	LY2003	1607.5	Gal/Min	2.3148
481396	10085	LY2004	1788.571429	Gal/Min	2.575542857

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
481396	10085	LY2005	2016.428571	Gal/Min	2.903657143
481396	10085	LY2006	1519.923077	Gal/Min	2.188689231
481396	10085	LY2007	1700	Gal/Min	2.448
481396	43114	LY2006	200	Gal/Min	0.288
481396	87243	LY2006	200	Gal/Min	0.288
487593	40257	LY2003	75	Gal/Min	0.108
490739	41897	LY2007	12	Gal/Min	0.01728
490802	41830	LY2006	5	Gal/Min	0.0072
490906	42737	LY2003	122.2222222	Gal/Min	0.176
490906	42737	LY2004	145.4545455	Gal/Min	0.209454545
490906	42737	LY2005	75.5	Gal/Min	0.10872
490906	42737	LY2006	73.27272727	Gal/Min	0.105512727
490906	42737	LY2007	62	Gal/Min	0.08928
490916	42298	LY2003	8.2	Gal/Min	0.011808
490916	42298	LY2004	0.5	Gal/Min	0.00072
490916	42298	LY2006	1.5	Gal/Min	0.00216
490916	42298	LY2007	1	Gal/Min	0.00144
491093	81282	LY2005	19.16666667	Gal/Min	0.0276
491596	42813	LY2003	481.8181818	Gal/Min	0.693818182
491596	42813	LY2004	490	Gal/Min	0.7056
491596	42813	LY2005	442	Gal/Min	0.63648
491596	42813	LY2006	450	Gal/Min	0.648
491596	42813	LY2007	330	Gal/Min	0.4752
492205	41069	LY2005	20	Gal/Min	0.0288
492562	34767	LY2003	38.33333333	Gal/Min	0.0552
492562	34767	LY2005	1	Gal/Min	0.00144
492562	34767	LY2006	10	Gal/Min	0.0144
493115	43492	LY2003	135	Gal/Min	0.1944
493115	43492	LY2004	100	Gal/Min	0.144
494625	43857	LY2004	10	Gal/Min	0.0144
494625	43862	LY2004	195	Gal/Min	0.2808
494655	46917	LY2003	2	Gal/Min	0.00288
495260	48430	LY2006	4	Gal/Min	0.00576
495965	49318	LY2003	200	Gal/Min	0.288
495965	49318	LY2004	220.8333333	Gal/Min	0.318
495965	49318	LY2005	205.4166667	Gal/Min	0.2958
495965	49318	LY2006	113.6363636	Gal/Min	0.163636364
510671	67990	LY2006	31.66666667	Gal/Min	0.0456
510671	67990	LY2007	33.75	Gal/Min	0.0486
510671	67991	LY2006	4	Gal/Min	0.00576
510671	67991	LY2007	6	Gal/Min	0.00864
510671	68010	LY2006	37.5	Gal/Min	0.054
510671	68010	LY2007	60	Gal/Min	0.0864
510674	46985	LY2003	70	Gal/Min	0.1008
510674	46985	LY2005	25	Gal/Min	0.036
510674	46986	LY2003	30	Gal/Min	0.0432
510674	46986	LY2005	10	Gal/Min	0.0144

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
510674	46987	LY2003	0.5	Gal/Min	0.00072
510674	46987	LY2007	100	Gal/Min	0.144
510674	46990	LY2003	10	Gal/Min	0.0144
510674	46990	LY2004	22	Gal/Min	0.03168
510674	46990	LY2005	1	Gal/Min	0.00144
510674	46991	LY2005	5	Gal/Min	0.0072
510856	69964	LY2006	20	Gal/Min	0.0288
512244	49767	LY2003	1	Gal/Min	0.00144
513596	51682	LY2004	30	Gal/Min	0.0432
513638	53007	LY2003	157.5	Gal/Min	0.2268
513638	53007	LY2004	25	Gal/Min	0.036
513638	53007	LY2006	133.3333333	Gal/Min	0.192
513879	45943	LY2003	110	Gal/Min	0.1584
513879	45943	LY2004	75	Gal/Min	0.108
514203	46314	LY2003	3.856	Gal/Min	0.0055264
515696	64666	LY2003	26	Gal/Min	0.03744
515696	64666	LY2004	6.666666667	Gal/Min	0.0096
516756	46851	LY2006	3	Gal/Min	0.00432
522013	53749	LY2003	7	Gal/Min	0.01008
522083	56378	LY2003	60	Gal/Min	0.0864
523185	70965	LY2003	10	Gal/Min	0.0144
523428	52944	LY2003	3000	Gal/Min	4.32
523428	52944	LY2004	3600	Gal/Min	5.184
523428	52944	LY2005	3000	Gal/Min	4.32
523428	52944	LY2006	3000	Gal/Min	4.32
523428	52944	LY2007	3000	Gal/Min	4.32
523428	52945	LY2003	2750	Gal/Min	3.96
523428	52945	LY2004	3000	Gal/Min	4.32
523428	52945	LY2005	3250	Gal/Min	4.68
523428	52945	LY2006	3333.333333	Gal/Min	4.8
523428	52945	LY2007	3000	Gal/Min	4.32
523529	51798	LY2004	5	MGD	5
523529	51798	LY2005	5500	Gal/Min	7.92
523529	51798	LY2006	2877	Gal/Min	4.14288
523529	51798	LY2007	3484.727273	Gal/Min	5.018007273
523581	54717	LY2007	5.675	Gal/Min	0.008172
523581	54720	LY2005	30	Gal/Min	0.0432
523581	54720	LY2006	42.30769231	Gal/Min	0.060923077
523581	54720	LY2007	33.63636364	Gal/Min	0.048436364
523717	52874	LY2003	10.5	Gal/Min	0.01512
523717	52874	LY2004	30	Gal/Min	0.0432
524151	54980	LY2003	6.5	Gal/Min	0.00936
524151	54980	LY2004	5	Gal/Min	0.0072
524151	54980	LY2005	12	Gal/Min	0.01728
524519	54943	LY2003	30	Gal/Min	0.0432
524519	54943	LY2004	110.625	Gal/Min	0.1593
524519	54943	LY2005	72.91666667	Gal/Min	0.105

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
524519	54943	LY2006	131.25	Gal/Min	0.189
524519	54943	LY2007	81.25	Gal/Min	0.117
542304	58968	LY2005	1.666666667	Gal/Min	0.0024
542304	58968	LY2006	35	Gal/Min	0.0504
542304	58968	LY2007	62.5	Gal/Min	0.09
542304	58970	LY2003	26.25	Gal/Min	0.0378
542304	58970	LY2004	56.25	Gal/Min	0.081
542304	58970	LY2005	37.5	Gal/Min	0.054
543063	49153	LY2006	2371.75	Gal/Min	3.41532
543063	49153	LY2007	2479.7	Gal/Min	3.570768
543063	49154	LY2006	1.5	Gal/Min	0.00216
544041	55294	LY2003	7.5	Gal/Min	0.0108
544041	55294	LY2004	3.5	Gal/Min	0.00504
544041	55294	LY2005	13.23333333	Gal/Min	0.019056
544041	55294	LY2006	4	Gal/Min	0.00576
544041	55294	LY2007	1	Gal/Min	0.00144
546747	68096	LY2003	63.88888889	Gal/Min	0.092
546747	68096	LY2004	87.5	Gal/Min	0.126
546747	68096	LY2005	330.9090909	Gal/Min	0.476509091
546747	68096	LY2006	331.25	Gal/Min	0.477
546747	68096	LY2007	225	Gal/Min	0.324
546969	63192	LY2004	108.3333333	Gal/Min	0.156
547221	60312	LY2004	3.333333333	Gal/Min	0.0048
547221	60312	LY2005	3.75	Gal/Min	0.0054
547483	64459	LY2003	3	Gal/Min	0.00432
547483	64459	LY2006	0.428571429	Gal/Min	0.000617143
548511	62285	LY2003	100	Gal/Min	0.144
550007	71911	LY2003	36.66666667	Gal/Min	0.0528
550007	71911	LY2004	41.66666667	Gal/Min	0.06
550007	71911	LY2005	100	Gal/Min	0.144
550007	71911	LY2006	66.25	Gal/Min	0.0954
551383	60613	LY2006	116.25	Gal/Min	0.1674
551383	60613	LY2007	55	Gal/Min	0.0792
551600	65666	LY2003	104.375	Gal/Min	0.1503
551600	65666	LY2004	77.27272727	Gal/Min	0.111272727
551600	65666	LY2005	67.5	Gal/Min	0.0972
551600	65666	LY2006	103.5714286	Gal/Min	0.149142857
555629	64231	LY2003	100	Gal/Min	0.144
555629	64231	LY2004	5	Gal/Min	0.0072
555629	64231	LY2006	1	Gal/Min	0.00144
555629	64231	LY2007	10	Gal/Min	0.0144
555629	64235	LY2003	76	Gal/Min	0.10944
555629	64235	LY2004	1	Gal/Min	0.00144
555629	64235	LY2005	1	Gal/Min	0.00144
558156	63549	LY2003	1	Gal/Min	0.00144
559018	64402	LY2006	16.07692308	Gal/Min	0.023150769
559018	64402	LY2007	30.5	Gal/Min	0.04392

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
559018	64403	LY2004	21	Gal/Min	0.03024
559018	64403	LY2006	0.333333333	Gal/Min	0.00048
559018	64403	LY2007	0.142857143	Gal/Min	0.000205714
559018	80828	LY2005	20.9	Gal/Min	0.030096
559018	80828	LY2006	4.25	Gal/Min	0.00612
559865	66699	LY2006	1	Gal/Min	0.00144
559865	66699	LY2007	30	Gal/Min	0.0432
562159	72878	LY2003	35.16666667	Gal/Min	0.05064
562440	66969	LY2003	40	Gal/Min	0.0576
562608	79384	LY2004	20	Gal/Min	0.0288
565374	91464	LY2006	15.475	Gal/Min	0.022284
565374	91464	LY2007	14.76666667	Gal/Min	0.021264
568081	70745	LY2006	20	Gal/Min	0.0288
568081	70745	LY2007	72.5	Gal/Min	0.1044
570583	73303	LY2003	15	Gal/Min	0.0216
570583	73303	LY2004	40	Gal/Min	0.0576
570895	74759	LY2006	5	Gal/Min	0.0072
570895	74759	LY2007	8.333333333	Gal/Min	0.012
570895	74761	LY2007	56.25	Gal/Min	0.081
571276	72247	LY2005	1.9	Gal/Min	0.002736
571276	72247	LY2006	3.175	Gal/Min	0.004572
571276	72247	LY2007	5.066666667	Gal/Min	0.007296
571908	69816	LY2005	50	Gal/Min	0.072
571908	69817	LY2003	5	Gal/Min	0.0072
571908	69817	LY2005	25	Gal/Min	0.036
571908	69818	LY2003	5	Gal/Min	0.0072
571981	69953	LY2006	10	Gal/Min	0.0144
573563	70253	LY2007	10	Gal/Min	0.0144
573920	75971	LY2005	312.5	Gal/Min	0.45
573920	75971	LY2006	200	Gal/Min	0.288
573920	75971	LY2007	300	Gal/Min	0.432
574474	73769	LY2007	10	Gal/Min	0.0144
574826	71463	LY2005	50	Gal/Min	0.072
574837	71304	LY2003	5	Gal/Min	0.0072
574837	71304	LY2004	40	Gal/Min	0.0576
574837	71304	LY2006	65	Gal/Min	0.0936
574837	71304	LY2007	71	Gal/Min	0.10224
626806	73145	LY2006	35	Gal/Min	0.0504
626806	73145	LY2007	65	Gal/Min	0.0936
627286	71855	LY2006	1.181818182	Gal/Min	0.001701818
627405	73389	LY2003	4	Gal/Min	0.00576
627405	73389	LY2004	5	Gal/Min	0.0072
628348	74618	LY2005	3.333333333	Gal/Min	0.0048
628348	74618	LY2006	7.333333333	Gal/Min	0.01056
628348	74618	LY2007	0.222222222	Gal/Min	0.00032
630226	72454	LY2004	10	Gal/Min	0.0144
630290	71826	LY2004	20	Gal/Min	0.0288

**Table G-1. Annual Average Flow Rates in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Annual Average Final Flow Rate	Final Flow Rate Units	Annual Average Final Flow Rate (MGD)
630290	71831	LY2004	15	Gal/Min	0.0216
630290	71831	LY2005	5	Gal/Min	0.0072
630634	75447	LY2004	20	Gal/Min	0.0288
631376	72744	LY2004	6.25	Gal/Min	0.009
632601	73189	LY2004	18.75	Gal/Min	0.027
632785	76927	LY2006	5	Gal/Min	0.0072
634231	83407	LY2005	200	Gal/Min	0.288
634231	83407	LY2006	126.25	Gal/Min	0.1818
634231	83407	LY2007	150	Gal/Min	0.216
634368	75249	LY2004	2.625	Gal/Min	0.00378
634368	75250	LY2004	0.5	Gal/Min	0.00072
634368	75250	LY2005	45.71428571	Gal/Min	0.065828571
634368	75250	LY2006	52	Gal/Min	0.07488
634368	89367	LY2007	50	Gal/Min	0.072
634719	71753	LY2003	10	Gal/Min	0.0144
634719	71753	LY2004	15	Gal/Min	0.0216
636335	78361	LY2004	2056.25	Gal/Min	2.961
636335	78361	LY2005	1963.2875	Gal/Min	2.827134
636335	78361	LY2006	3225	Gal/Min	4.644
636335	78361	LY2007	3325	Gal/Min	4.788
636517	78783	LY2005	80	Gal/Min	0.1152
638074	73828	LY2004	50	Gal/Min	0.072
638458	76595	LY2004	166.6666667	Gal/Min	0.24
638458	76595	LY2005	123.3333333	Gal/Min	0.1776
638458	76595	LY2006	30	Gal/Min	0.0432
641505	76423	LY2004	20	Gal/Min	0.0288
643343	78692	LY2004	233.3333333	Gal/Min	0.336
643343	78692	LY2005	178.5714286	Gal/Min	0.257142857
643343	78692	LY2006	139.2857143	Gal/Min	0.200571429
643343	78692	LY2007	158.3333333	Gal/Min	0.228
644232	76866	LY2007	150	Gal/Min	0.216
646058	80826	LY2005	49	Gal/Min	0.07056
646058	80826	LY2006	39.58333333	Gal/Min	0.057
646058	80826	LY2007	25.76923077	Gal/Min	0.037107692
646142	77177	LY2006	13.75	Gal/Min	0.0198
648223	80644	LY2005	2854.571429	Gal/Min	4.110582857
648223	80644	LY2006	2866.5	Gal/Min	4.12776
648223	80644	LY2007	2000	Gal/Min	2.88
650742	79554	LY2005	200	Gal/Min	0.288
650742	79554	LY2007	5	Gal/Min	0.0072
652158	79851	LY2006	20	Gal/Min	0.0288
652158	79851	LY2007	8	Gal/Min	0.01152
653694	86104	LY2007	5	Gal/Min	0.0072
653735	80488	LY2006	80	Gal/Min	0.1152
653751	80629	LY2005	1	Gal/Min	0.00144
653751	80629	LY2006	13.5	Gal/Min	0.01944
660639	52874	LY2007	1	Gal/Min	0.00144

**Table G-1. Annual Average Flow Rates in PADEPInspector for AMD Outfalls**

<b>Primary Facility ID</b>	<b>Outfall Number</b>	<b>Loadings Year</b>	<b>Annual Average Final Flow Rate</b>	<b>Final Flow Rate Units</b>	<b>Annual Average Final Flow Rate (MGD)</b>
660807	87792	LY2007	15	Gal/Min	0.0216
661298	82763	LY2006	30	Gal/Min	0.0432
661298	82763	LY2007	26.25	Gal/Min	0.0378
662409	82888	LY2007	5	Gal/Min	0.0072
662831	80510	LY2007	7	Gal/Min	0.01008
667560	88089	LY2007	12.5	Gal/Min	0.018
667560	89663	LY2007	100	Gal/Min	0.144
673155	91491	LY2006	15	Gal/Min	0.0216
673155	91491	LY2007	62.5	Gal/Min	0.09
673568	92748	LY2007	3	Gal/Min	0.00432
676549	93179	LY2007	10	Gal/Min	0.0144
676721	92325	LY2007	21.66666667	Gal/Min	0.0312
685072	96843	LY2007	833.3333333	Gal/Min	1.2

Source: PADEPInspector.

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
589	64609	LY2003				
589	64609	LY2004				
589	64609	LY2005				
589	64609	LY2006				
589	64609	LY2007	0	0	0	14
828	89950	LY2003				
828	89950	LY2004				
828	89950	LY2005				
828	89950	LY2006	0	0	0	0
828	89950	LY2007				
928	38979	LY2003	0	0.378	1.1	4
928	38979	LY2004				
928	38979	LY2005				
928	38979	LY2006				
928	38979	LY2007				
1048	15404	LY2003	0	0.4545	4.62	12
1048	15404	LY2004	0	0	1.78	10
1048	15404	LY2005				
1048	15404	LY2006				
1048	15404	LY2007				
1497	82449	LY2003				
1497	82449	LY2004				
1497	82449	LY2005	2.8	0.279333333	1.394333333	33.33333333
1497	82449	LY2006	3.720636364	0.511	1.764363636	30.54545455
1497	82449	LY2007	2.9875	0.2605	2.149625	32.6875
1497	82450	LY2003				
1497	82450	LY2004				
1497	82450	LY2005	0.525	0	0.584	12.33333333
1497	82450	LY2006	0.519363636	0.198363636	0.542181818	5.818181818
1497	82450	LY2007	0.535	0	0.40925	12.05
1832	19685	LY2003	0.287888889	0	0.566777778	22
1832	19685	LY2004	0.318	0	2.7856	18.3
1832	19685	LY2005	0	0	3.751428571	16.28571429
1832	19685	LY2006	0	0	0.6224	15.95
1832	19685	LY2007	0	0	2.582444444	10.94444444
2496	34912	LY2003	0	1.25	1.35	0
2496	34912	LY2004	0	0.3405	0.8475	3.25
2496	34912	LY2005	0	0	0.635333333	5
2496	34912	LY2006	1.035	0.22775	0.25375	2.75
2496	34912	LY2007	0	0.47825	0.22025	6.725
2496	44482	LY2003	24	31.4	10.5	0
2496	44482	LY2004				
2496	44482	LY2005				



**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
2496	44482	LY2006				
2496	44482	LY2007				
2496	58602	LY2003				
2496	58602	LY2004				
2496	58602	LY2005	11.6	87.3	10.6	4
2496	58602	LY2006	20.2	94.5	12	6
2496	58602	LY2007	13.915	97.15	10.68	11
2522	26400	LY2003	0	0	0	0
2522	26400	LY2004	0.337333333	0	1.245666667	6.333333333
2522	26400	LY2005	0	0	0	5.833333333
2522	26400	LY2006	0	0.3045	3.0435	3.75
2522	26400	LY2007	0	0	0.205333333	9.166666667
2522	58602	LY2003	19.1	72.9	10.5	14
2522	58602	LY2004	41.2	113	12.9	10
2522	58602	LY2005				
2522	58602	LY2006				
2522	58602	LY2007				
3405	25954	LY2003	0	2.8125	4.569	5.75
3405	25954	LY2004	0	0	1.057	4.25
3405	25954	LY2005	0	0	0.45525	2.625
3405	25954	LY2006	0	0	0.065	2.75
3405	25954	LY2007	0.414	0	0.081	3.75
3405	25955	LY2003	0	0	1.0665	2.125
3405	25955	LY2004	0	0	0.4905	3.25
3405	25955	LY2005	0	0	1.431	4.75
3405	25955	LY2006	0	0.1945	0.49725	0
3405	25955	LY2007	0	0	0.741	4.375
3550	23353	LY2003	0.339	0.507333333	0.140666667	10.5
3550	23353	LY2004	0.5775	0.86	0.048	3.75
3550	23353	LY2005	1.5575	1.20275	0.1005	15
3550	23353	LY2006				
3550	23353	LY2007				
3550	62144	LY2003	1.693	0.676	0.576	11.25
3550	62144	LY2004	0.90325	1.302666667	1.712	20.91666667
3550	62144	LY2005	0	0.369363636	1.231272727	6
3550	62144	LY2006	0	0.23725	1.266083333	3.666666667
3550	62144	LY2007	0	0.201888889	1.052888889	5.5
3840	52288	LY2003	0	0.242	3.135	5
3840	52288	LY2004	0.547	0.611	0.282	36
3840	52288	LY2005	0	0	2.84	4
3840	52288	LY2006	0	0.2695	0.521	6.75
3840	52288	LY2007				
3853	58914	LY2003	0	0	0.9285	4.75

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
3853	58914	LY2004				
3853	58914	LY2005				
3853	58914	LY2006				
3853	58914	LY2007				
3853	71713	LY2003	0.515	0.28275	3.13	6.25
3853	71713	LY2004	0	0	0.429	72
3853	71713	LY2005	0	0.555	0	0
3853	71713	LY2006				
3853	71713	LY2007				
3853	94443	LY2003				
3853	94443	LY2004				
3853	94443	LY2005				
3853	94443	LY2006				
3853	94443	LY2007	0.304125	0.871	2.23325	19.1875
3860	23312	LY2003	0	0.280666667	0.9735	9.25
3860	23312	LY2004	0	0.428916667	1.6255	10.45833333
3860	23312	LY2005	0	0.564727273	1.098818182	8.5
3860	23312	LY2006	0	0.31	0.78675	7.791666667
3860	23312	LY2007	0	0.2653	0.4188	5
3867	70408	LY2003	0	0.584	2.11	20
3867	70408	LY2004	0.3815	0.5895	0.8325	7
3867	70408	LY2005	2.51	1.53	0.954	50
3867	70408	LY2006				
3867	70408	LY2007				
4227	97962	LY2003	16.5	0	29.6	94
4227	97962	LY2004	15.57	0.503333333	19.49466667	78
4227	97962	LY2005	2.82	0.373	4.01	20
4227	97962	LY2006	7.610333333	0.486666667	10.76	15.16666667
4227	97962	LY2007				
4246	97986	LY2003	0.4255	0	3.011	6
4246	97986	LY2004	0	0	2.715	12
4246	97986	LY2005	0	0.4175	2.763	4.375
4246	97986	LY2006	0	0.736125	7.11625	4.8125
4246	97986	LY2007	0	0.284	2.7715	2.75
4246	97987	LY2003	0.577	0	11.708	7.5
4246	97987	LY2004	0.455	0.209	5.813285714	12.14285714
4246	97987	LY2005	0.45	0	2.61325	3.75
4246	97987	LY2006	0	0	4.386285714	4.357142857
4246	97987	LY2007	0.464	0	2.74	2.75
4255	97961	LY2003				
4255	97961	LY2004				
4255	97961	LY2005	0	0	3.289333333	5.666666667
4255	97961	LY2006	0.472	0.2195	3.10375	6.25

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
4255	97961	LY2007	0.4535	0	2.8145	2.75
4255	97983	LY2003				
4255	97983	LY2004	0.776	2.41	4.16	12
4255	97983	LY2005	0	0.348	0.102	4
4255	97983	LY2006	1.08	0	3.27	14
4255	97983	LY2007	0.559	1.083	2.781	4
4286	97964	LY2003	15.51427273	1.481	46.64545455	111.4545455
4286	97964	LY2004	29.74808333	3.0875	39.77916667	176.6666667
4286	97964	LY2005	22.36222222	2.354444444	26.35833333	156.5
4286	97964	LY2006	29.504375	2.880125	38.7425	323
4286	97964	LY2007	36.58833333	2.290333333	47.21666667	180.6666667
4292	39672	LY2003	13.675	14.17	11.67	25
4292	39672	LY2004				
4292	39672	LY2005				
4292	39672	LY2006				
4292	39672	LY2007	27.9	17	27.2	12
4292	97983	LY2003	9.911	4.4573	12.5422	16
4292	97983	LY2004	28.71	11.125	26.4	20
4292	97983	LY2005	0.896	2.7	3.52	8
4292	97983	LY2006	0	0	0.106	4
4292	97983	LY2007				
4292	97984	LY2003	34.56727273	0.212727273	30.31636364	178.7272727
4292	97984	LY2004	68.4	0	53.1	12
4292	97984	LY2005	3.530666667	0.28	22.17666667	12
4292	97984	LY2006	9.663333333	0	34.26666667	12.5
4292	97984	LY2007	33.742	0.637333333	38.4	9.333333333
4292	97985	LY2003	18.89928571	14.554	11.94185714	83.71428571
4292	97985	LY2004	0.538	0.803	0.423	0
4292	97985	LY2005	0.923333333	1.462333333	7.643333333	13.16666667
4292	97985	LY2006	0	0.2685	0.955	6.75
4292	97985	LY2007	15.46733333	14.46266667	12.91533333	112.6666667
4393	16037	LY2003	1.863	0.180833333	14.2	8.583333333
4393	16037	LY2004				
4393	16037	LY2005				
4393	16037	LY2006				
4393	16037	LY2007				
4395	24837	LY2003				
4395	24837	LY2004				
4395	24837	LY2005				
4395	24837	LY2006				
4395	24837	LY2007	0	0	9.755	0
4395	85406	LY2003				
4395	85406	LY2004				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
4395	85406	LY2005	0	2.985	17.25	7.75
4395	85406	LY2006	0	0	9.1364	6.2
4395	85406	LY2007	0	9.35	26.3	14
4395	86483	LY2003				
4395	86483	LY2004				
4395	86483	LY2005				
4395	86483	LY2006	0.52	0.2578	3.836	10.4
4395	86483	LY2007	0	4.374625	22.435	6.09375
4395	93064	LY2003				
4395	93064	LY2004				
4395	93064	LY2005				
4395	93064	LY2006				
4395	93064	LY2007	0.953333333	0.312666667	3.786666667	5.166666667
4467	17725	LY2003	0	0.2305	0.8145	4.75
4467	17725	LY2004				
4467	17725	LY2005				
4467	17725	LY2006				
4467	17725	LY2007				
4467	17726	LY2003				
4467	17726	LY2004				
4467	17726	LY2005	0	0	0.2085	0
4467	17726	LY2006				
4467	17726	LY2007	0	0.752	0.596	4
4468	54469	LY2003				
4468	54469	LY2004				
4468	54469	LY2005				
4468	54469	LY2006	14.1	23.2	3.34	16
4468	54469	LY2007				
4468	54472	LY2003	1.395	0.77	11.69	21
4468	54472	LY2004				
4468	54472	LY2005				
4468	54472	LY2006				
4468	54472	LY2007				
4468	64142	LY2003	10.47545455	7.647272727	12.57	13.04545455
4468	64142	LY2004	9.81	5.565	12.425	10
4468	64142	LY2005	9.502	8.326	15.72	9.9
4468	64142	LY2006	10.825	8.6125	15	12
4468	64142	LY2007	9.625	5.505	10.64	3.75
4468	64143	LY2003	5.05	1.039272727	11.70727273	23.40909091
4468	64143	LY2004	4.2	7.975	11.095	17
4468	64143	LY2005	7.05	0	9.58	12
4468	64143	LY2006				
4468	64143	LY2007				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
4468	64144	LY2003	6.021818182	0.795363636	11.90181818	17.40909091
4468	64144	LY2004	5.365	8.775	11.065	10.75
4468	64144	LY2005	9.36	0	10.3	4
4468	64144	LY2006				
4468	64144	LY2007				
4468	64145	LY2003	5.309090909	1.353545455	11.76181818	17.63636364
4468	64145	LY2004	6.39	9.225	10.735	10.75
4468	64145	LY2005	8.82	0	10.5	10
4468	64145	LY2006				
4468	64145	LY2007				
4468	64146	LY2003	5.303636364	1.165636364	11.62272727	20.72727273
4468	64146	LY2004	5.065	8.225	10.765	10.75
4468	64146	LY2005	6.92	0.231	14	12
4468	64146	LY2006	5.241	0	16.261	14
4468	64146	LY2007				
4468	64148	LY2003	0	0.439636364	9.37	6.590909091
4468	64148	LY2004	0.5615	0.227	4.75	3.75
4468	64148	LY2005				
4468	64148	LY2006				
4468	64148	LY2007				
4468	64149	LY2003	0	0.210090909	7.618181818	6.409090909
4468	64149	LY2004	0.476	0	2.28	6.75
4468	64149	LY2005				
4468	64149	LY2006				
4468	64149	LY2007				
4468	64150	LY2003	0	0.203909091	6.561818182	7
4468	64150	LY2004	0	0	2.1815	2.75
4468	64150	LY2005				
4468	64150	LY2006				
4468	64150	LY2007				
4468	64151	LY2003	0.284272727	0.285818182	8.002727273	8.409090909
4468	64151	LY2004	0	0	2.985	2.75
4468	64151	LY2005	0	0	17.7	20
4468	64151	LY2006				
4468	64151	LY2007				
4468	64152	LY2003	0	0.223090909	7.32	10.09090909
4468	64152	LY2004	0.31325	0	5.2525	7.375
4468	64152	LY2005	0.425666667	0	6.219666667	3.833333333
4468	64152	LY2006	0	0	4.37375	6.5
4468	64152	LY2007	0	0	1.936666667	3.666666667
4478	24186	LY2003	0.2885	1.024625	0.843375	17.6875
4478	24186	LY2004	0	2.8999	3.9461	14.6
4478	24186	LY2005	0	1.6778	1.6064	14.3

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
4478	24186	LY2006	0.33	0.4464	1.7089	10.5
4478	24186	LY2007	0.698	23.2559	4.0622	10.55
4621	14222	LY2003				
4621	14222	LY2004				
4621	14222	LY2005				
4621	14222	LY2006				
4621	14222	LY2007	0.964	1.85	0.128	30
4622	24223	LY2003	0.306875	0.883375	5.977375	10
4622	24223	LY2004	0	0.331	3.475666667	7.833333333
4622	24223	LY2005	0	0	0.3825	3.75
4622	24223	LY2006				
4622	24223	LY2007	0.4905	15.2	9.985	22
4709	17350	LY2003	0.32025	0	0.8425	2.625
4709	17350	LY2004	0.3631	0	0.6064	4.74
4709	17350	LY2005	0.346	0	0.764	5.1
4709	17350	LY2006	0.319916667	0.2315	0.44075	3.25
4709	17350	LY2007	0.3045	0.230583333	0.706166667	1.708333333
4726	17376	LY2003	0.4625	0.21225	3.5725	2.625
4726	17376	LY2004	0.3255	0.1689	2.621	7.35
4726	17376	LY2005	0.323	0.5451	2.7741	7.75
4726	17376	LY2006	0.33725	0.181583333	2.69525	3.416666667
4726	17376	LY2007	0.2855	0.1655	2.481583333	2.25
5065	17366	LY2003	25.3	2.33	59.6	10
5065	17366	LY2004	21.75	16.835	55.25	10.75
5065	17366	LY2005	0.698	0.641	25.4	36
5065	17366	LY2006				
5065	17366	LY2007	0	0	9.24	10.75
5462	22466	LY2003	0	3.97	3.57	50
5462	22466	LY2004				
5462	22466	LY2005				
5462	22466	LY2006				
5462	22466	LY2007				
5928	83885	LY2003				
5928	83885	LY2004				
5928	83885	LY2005	0	0.2366	1.0586	3.3
5928	83885	LY2006	0	0	0.4079	3.722222222
5928	83885	LY2007	0	0	0.4555	0
5999	17369	LY2003	1.25	0.6375	3.748	18.85
5999	17369	LY2004	3.213	0.591571429	4.729428571	52.5
5999	17369	LY2005	0.5778	1.072	6.0792	10.4
5999	17369	LY2006	0	0	0.3465	13.875
5999	17369	LY2007	2.135714286	0.355714286	2.828	9.571428571
50834	32855	LY2003	0.952	1.85	11.3	18

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
50834	32855	LY2004				
50834	32855	LY2005				
50834	32855	LY2006				
50834	32855	LY2007				
190515	32959	LY2003				
190515	32959	LY2004				
190515	32959	LY2005	0.618	0.386	0.278	18
190515	32959	LY2006				
190515	32959	LY2007				
190515	81670	LY2003				
190515	81670	LY2004				
190515	81670	LY2005	33.8	0.574	0.185	14
190515	81670	LY2006	0.654666667	0.517333333	0.566	7.166666667
190515	81670	LY2007	0.5935	0.733	0.781	9
238703	32681	LY2003	0	0.537	1.66	14
238703	32681	LY2004	0	1.21	9.97	28
238703	32681	LY2005				
238703	32681	LY2006				
238703	32681	LY2007				
238783	6901	LY2003				
238783	6901	LY2004				
238783	6901	LY2005				
238783	6901	LY2006				
238783	6901	LY2007	6.23	3.39	0.396	42
238783	6902	LY2003				
238783	6902	LY2004				
238783	6902	LY2005	1.662714286	1.414857143	0.073571429	22.42857143
238783	6902	LY2006	0.705666667	0.448333333	0	3.666666667
238783	6902	LY2007				
238943	6576	LY2003				
238943	6576	LY2004				
238943	6576	LY2005	3.86	9.05	0.137	160
238943	6576	LY2006				
238943	6576	LY2007				
239093	32886	LY2003	0	0	0.124	10.75
239093	32886	LY2004				
239093	32886	LY2005				
239093	32886	LY2006				
239093	32886	LY2007				
239098	29849	LY2003				
239098	29849	LY2004				
239098	29849	LY2005				
239098	29849	LY2006	0	6.85	21.1	4

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
239098	29849	LY2007				
240215	63954	LY2003	2.101833333	0.169333333	7.089166667	13.31666667
240215	63954	LY2004	11.595	0.29	8.204	16.5
240215	63954	LY2005	3.621	0.1315	5.557375	10.4375
240215	63954	LY2006	0.289333333	0	6.88	10.5
240215	63954	LY2007	1.664	0.163428571	7.424285714	9.285714286
240215	71700	LY2003	4.336666667	0.119333333	23.5	3.833333333
240215	71700	LY2004				
240215	71700	LY2005	6.315	0.1255	25.05	6
240215	71700	LY2006	6.989	0.046	23.6	14
240215	71700	LY2007	1.77	0	15.8	40
240591	17451	LY2003	0	0	1.0605	3.208333333
240591	17451	LY2004	0.473	0	2.1303	11.45
240591	17451	LY2005	0.2875	0	0.17325	6.0625
240591	17451	LY2006	0.547272727	0.307272727	0.715363636	2.772727273
240591	17451	LY2007	0	0.768181818	0.457545455	5.590909091
240591	91563	LY2003				
240591	91563	LY2004				
240591	91563	LY2005				
240591	91563	LY2006	0.695	1.16	7.775	0
240591	91563	LY2007	3.009	0.342	7.711	0
240591	91564	LY2003				
240591	91564	LY2004				
240591	91564	LY2005				
240591	91564	LY2006	0	0.58	8.05	0
240591	91564	LY2007				
240591	91565	LY2003				
240591	91565	LY2004				
240591	91565	LY2005				
240591	91565	LY2006	0	0	5.55	0
240591	91565	LY2007				
240591	91566	LY2003				
240591	91566	LY2004				
240591	91566	LY2005				
240591	91566	LY2006	0	0.18775	1.59075	7.125
240591	91566	LY2007	0.869571429	0	2.365714286	4.857142857
240591	98583	LY2003				
240591	98583	LY2004				
240591	98583	LY2005				
240591	98583	LY2006				
240591	98583	LY2007	0.623333333	0	1.784333333	8
240591	98584	LY2003				
240591	98584	LY2004				



**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
240591	98584	LY2005				
240591	98584	LY2006				
240591	98584	LY2007	0	0	0	10
240591	98585	LY2003				
240591	98585	LY2004				
240591	98585	LY2005				
240591	98585	LY2006				
240591	98585	LY2007	1.25	0	2.21	12
240591	98587	LY2003				
240591	98587	LY2004				
240591	98587	LY2005				
240591	98587	LY2006				
240591	98587	LY2007	1.03	0	1.81	12
240591	98589	LY2003				
240591	98589	LY2004				
240591	98589	LY2005				
240591	98589	LY2006				
240591	98589	LY2007	0	0	0.173	20
240591	99687	LY2003				
240591	99687	LY2004				
240591	99687	LY2005				
240591	99687	LY2006				
240591	99687	LY2007	0	0	1.3	0
240606	17451	LY2003				
240606	17451	LY2004				
240606	17451	LY2005	0	0	0.064	0
240606	17451	LY2006				
240606	17451	LY2007	0	0	0.059	8
240705	47344	LY2003	3.22	3.3	0.114	34
240705	47344	LY2004				
240705	47344	LY2005				
240705	47344	LY2006				
240705	47344	LY2007				
240705	47345	LY2003				
240705	47345	LY2004	2.9425	14.63	1.2915	8.75
240705	47345	LY2005				
240705	47345	LY2006				
240705	47345	LY2007				
240834	54467	LY2003	0	0.954333333	2.777	8.5
240834	54467	LY2004	0.242	0.834	0.159	4
240834	54467	LY2005				
240834	54467	LY2006	0	0	0.744	0
240834	54467	LY2007				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
240858	24502	LY2003	0	0.244	0.7476	7.8
240858	24502	LY2004	0	0.328	0.971846154	14.80769231
240858	24502	LY2005	0	0.235555556	0.969666667	6.611111111
240858	24502	LY2006	0	0.198083333	1.059833333	6.583333333
240858	24502	LY2007	0	0.929454545	2.345272727	9.923076923
240903	26565	LY2003				
240903	26565	LY2004				
240903	26565	LY2005				
240903	26565	LY2006	0	0.386	0.076	0
240903	26565	LY2007				
242342	82446	LY2003				
242342	82446	LY2004				
242342	82446	LY2005	0.3226	0	3.968	4.2
242342	82446	LY2006	0.4582	0	3.6273	6.7
242342	82446	LY2007	1.617	0.3546	2.5215	14.8
242404	88770	LY2003				
242404	88770	LY2004				
242404	88770	LY2005				
242404	88770	LY2006	0	0.238	0.517	7
242404	88770	LY2007	0	0.267	1.15425	4.875
242413	90592	LY2003				
242413	90592	LY2004				
242413	90592	LY2005				
242413	90592	LY2006	0	0	1.042	9.333333333
242413	90592	LY2007	0	0.306666667	0.69	3.666666667
242489	82583	LY2003				
242489	82583	LY2004				
242489	82583	LY2005	0	0	1.63	12
242489	82583	LY2006				
242489	82583	LY2007				
242625	33004	LY2003				
242625	33004	LY2004				
242625	33004	LY2005	0	0	0.058	6
242625	33004	LY2006	0	0	0.054	6
242625	33004	LY2007				
242625	33005	LY2003				
242625	33005	LY2004	3.27	0	11.3	10
242625	33005	LY2005	0	0	1.7	48
242625	33005	LY2006	0.5935	0	2.1785	18
242625	33005	LY2007				
242625	74850	LY2003				
242625	74850	LY2004	15.39666667	0.674666667	25.3	22
242625	74850	LY2005				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
242625	74850	LY2006				
242625	74850	LY2007				
244691	55311	LY2003	2.310636364	14.14636364	27.58181818	11.95454545
244691	55311	LY2004	3.073333333	16.95	29.25	8.25
244691	55311	LY2005				
244691	55311	LY2006				
244691	55311	LY2007				
244778	56556	LY2003				
244778	56556	LY2004				
244778	56556	LY2005				
244778	56556	LY2006	0	0.337	0.671	4
244778	56556	LY2007				
246601	92744	LY2003				
246601	92744	LY2004				
246601	92744	LY2005				
246601	92744	LY2006	0	0.608	2.1	8
246601	92744	LY2007	0.572	0.395	1.66	22
246683	28935	LY2003	0	0.5505	2.225	4.75
246683	28935	LY2004	0	1.2905	4.2285	14
246683	28935	LY2005	0	0	0.604	10
246683	28935	LY2006				
246683	28935	LY2007				
247246	72965	LY2003	0.32525	0.19625	1.113	7.125
247246	72965	LY2004	0.5689	0.2329	1.3882	8.5
247246	72965	LY2005	0.486375	0.41375	1.947375	2.3125
247246	72965	LY2006	0.5519	0.691	2	2
247246	72965	LY2007	0.416285714	0.258285714	1.866428571	3.357142857
247251	24154	LY2003	0	0	0.49025	5.208333333
247251	24154	LY2004	0.296833333	0.210833333	0.4985	15.41666667
247251	24154	LY2005	0	0	0.08575	3.25
247251	24154	LY2006				
247251	24154	LY2007				
247262	71083	LY2003				
247262	71083	LY2004				
247262	71083	LY2005				
247262	71083	LY2006				
247262	71083	LY2007	4.29	5.46	0.101	76
247276	23922	LY2003	11.8275	0	0.0345	4.75
247276	23922	LY2004	18.46666667	0	0.038333333	7.166666667
247276	23922	LY2005	4.888	0	0.068	3.75
247276	23922	LY2006	4.1166	0	0.0498	6.1
247276	23922	LY2007	3.2448	0	0.0526	5.4
248092	23496	LY2003	0.919625	0	0.329625	8.3125

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
248092	23496	LY2004	0.497375	0	0.069	8.3125
248092	23496	LY2005	0.323375	0	0.1515	7.3125
248092	23496	LY2006	0.502545455	0	0.442181818	0
248092	23496	LY2007	1.109166667	0.193833333	0.365833333	10.33333333
248119	14349	LY2003	0	0	0.073	0
248119	14349	LY2004				
248119	14349	LY2005				
248119	14349	LY2006				
248119	14349	LY2007				
248296	47338	LY2003				
248296	47338	LY2004				
248296	47338	LY2005	7.84	13.6	3.41	20
248296	47338	LY2006				
248296	47338	LY2007	0	1.44	0.421	0
248296	47340	LY2003				
248296	47340	LY2004	1.79	15.6	0.276	206
248296	47340	LY2005				
248296	47340	LY2006				
248296	47340	LY2007				
251033	72108	LY2003	16.325	71.294	5.65	68
251033	72108	LY2004	8.11	0	7.84	6
251033	72108	LY2005				
251033	72108	LY2006	4.89	0.886	0.874	16
251033	72108	LY2007				
252923	69288	LY2003	0.298222222	6.777777778	11.05333333	41.55555556
252923	69288	LY2004				
252923	69288	LY2005				
252923	69288	LY2006				
252923	69288	LY2007				
253466	20945	LY2003	0.532	0.765375	11.269375	17.5
253466	20945	LY2004	0	0.27575	2.888625	16.1875
253466	20945	LY2005	0	0.278571429	1.808285714	8.428571429
253466	20945	LY2006	0	0	0.247444444	6.388888889
253466	20945	LY2007	0.2813	0	1.4097	6.2
253823	40828	LY2003	1.05	0	9.87	0
253823	40828	LY2004				
253823	40828	LY2005				
253823	40828	LY2006				
253823	40828	LY2007				
253919	6231	LY2003				
253919	6231	LY2004				
253919	6231	LY2005	0	0.669	3.92	10
253919	6231	LY2006				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
253919	6231	LY2007				
253919	6236	LY2003	0.472	136	25.28	75.2
253919	6236	LY2004	1.006666667	108.6666667	23.43333333	46
253919	6236	LY2005				
253919	6236	LY2006				
253919	6236	LY2007				
253919	79573	LY2003				
253919	79573	LY2004				
253919	79573	LY2005	0.865	2.265	0.881	10
253919	79573	LY2006				
253919	79573	LY2007				
254757	13041	LY2003	0.94	0.294	5.395	4.75
254757	13041	LY2004	0.795	0	4.755	14
254757	13041	LY2005	0.396	0	1.375	2.75
254757	13041	LY2006	0	0	1.097	0
254757	13041	LY2007	0.625	0	0.686	0
254770	62754	LY2003				
254770	62754	LY2004				
254770	62754	LY2005				
254770	62754	LY2006	1.895	0	1.795	0
254770	62754	LY2007				
254775	40823	LY2003				
254775	40823	LY2004				
254775	40823	LY2005				
254775	40823	LY2006	0	1.02	6.92	18
254775	40823	LY2007	1.495	1.51	11.12	10
254793	95443	LY2003				
254793	95443	LY2004				
254793	95443	LY2005				
254793	95443	LY2006				
254793	95443	LY2007	0	0	0.162	58
257174	16885	LY2003	0	0.392	0.535	28
257174	16885	LY2004				
257174	16885	LY2005	0.643	0.528	1.63	90
257174	16885	LY2006				
257174	16885	LY2007				
258320	9835	LY2003	0	0.234	1.37325	7.875
258320	9835	LY2004	0	0	1.536666667	2.333333333
258320	9835	LY2005	0	0	1.86	8
258320	9835	LY2006				
258320	9835	LY2007				
259728	49780	LY2003	0.571	0	0.344	0
259728	49780	LY2004	0	0	0.485	7.75

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
259728	49780	LY2005				
259728	49780	LY2006	0	0	0	0
259728	49780	LY2007				
259728	49781	LY2003	0	0	0.048666667	0
259728	49781	LY2004				
259728	49781	LY2005	0	0	0.066	0
259728	49781	LY2006	3.925	5.605	0.34	47
259728	49781	LY2007				
259938	66877	LY2003	0.525	0.446	0.27175	3.25
259938	66877	LY2004	0	0.2575	0.13125	5.75
259938	66877	LY2005	0	0.308	0.9035	0
259938	66877	LY2006	0	0	0.1125	3.75
259938	66877	LY2007	0.396	0.335	0.212	3
259938	80390	LY2003				
259938	80390	LY2004				
259938	80390	LY2005	0	1.02	0.164	24
259938	80390	LY2006	0	0.257666667	0.074666667	29.33333333
259938	80390	LY2007	0.7145	0.37475	0.04625	6.25
260413	23628	LY2003	0	0	0.506666667	6.208333333
260413	23628	LY2004	0	0	0.395090909	5.181818182
260413	23628	LY2005	0	0	0.395166667	4.75
260413	23628	LY2006				
260413	23628	LY2007				
260413	24490	LY2003	0	1.501857143	1.520285714	47.42857143
260413	24490	LY2004	0	0.857222222	1.279222222	49.11111111
260413	24490	LY2005	0	2.712714286	1.409571429	98
260413	24490	LY2006	0	0.53125	1.06925	28.5
260413	24490	LY2007				
260413	83823	LY2003				
260413	83823	LY2004				
260413	83823	LY2005	0	0	0.8175	2.75
260413	83823	LY2006	0	0	0.12	6.3625
260413	83823	LY2007	0	0	0.220666667	3.333333333
260413	83824	LY2003				
260413	83824	LY2004				
260413	83824	LY2005	0	0.876	2.96	24
260413	83824	LY2006	0.3375	0.179666667	2.572833333	5.333333333
260413	83824	LY2007	0	0.297142857	2.123571429	2.857142857
260413	83825	LY2003				
260413	83825	LY2004				
260413	83825	LY2005	0	0	0.08075	0
260413	83825	LY2006	0	0.535454545	0.81	5.909090909
260413	83825	LY2007	0	0.261230769	0.338615385	6.192307692

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
260413	83826	LY2003				
260413	83826	LY2004				
260413	83826	LY2005	0	0	0.0385	2.625
260413	83826	LY2006	0	0.164181818	0.103	5.181818182
260413	83826	LY2007	0	0	0.045545455	1.954545455
260413	83827	LY2003				
260413	83827	LY2004				
260413	83827	LY2005	0	0	0	10
260413	83827	LY2006	0	0	0.829666667	6.055555556
260413	83827	LY2007	0.34125	0.21475	1.944	4.5
260413	83828	LY2003				
260413	83828	LY2004				
260413	83828	LY2005	0	0	0	0
260413	83828	LY2006	0.308714286	0.198142857	0.083714286	5.571428571
260413	83828	LY2007	0	0	0.1572	2.9
260413	83829	LY2003				
260413	83829	LY2004				
260413	83829	LY2005				
260413	83829	LY2006	0	0.6252	0.8142	18
260413	83829	LY2007	0	3.801666667	2.164583333	25.33333333
260413	83830	LY2003				
260413	83830	LY2004				
260413	83830	LY2005				
260413	83830	LY2006	0.314857143	0.171857143	10.59857143	5.357142857
260413	83830	LY2007	0	0.9642	3.121	3.7
260413	83831	LY2003				
260413	83831	LY2004				
260413	83831	LY2005				
260413	83831	LY2006	0.437833333	1.322	2.265	18.66666667
260413	83831	LY2007	0	1.209	2.893333333	10.66666667
260423	24490	LY2003	0	2.134	1.3887	45
260423	24490	LY2004	0	2.171636364	3.180363636	72.72727273
260423	24490	LY2005	0	3.6105	1.798	368.5
260423	24490	LY2006				
260423	24490	LY2007				
261292	23211	LY2003	0	0.273	2.895	3.75
261292	23211	LY2004				
261292	23211	LY2005	0	0	2.8	0
261292	23211	LY2006				
261292	23211	LY2007				
261292	23213	LY2003	0	0.2485	3.9885	6
261292	23213	LY2004				
261292	23213	LY2005	0	0	0.158	6

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
261292	23213	LY2006				
261292	23213	LY2007				
262109	19276	LY2003	1.966666667	7.378	0.574	17.33333333
262109	19276	LY2004	0.603333333	0.578666667	0.443666667	11.33333333
262109	19276	LY2005	0	0.815	0.6675	12
262109	19276	LY2006	0	4.137666667	1.066333333	10
262109	19276	LY2007	0	0.816	0.536	16
262460	19287	LY2003				
262460	19287	LY2004				
262460	19287	LY2005	0.696	5	0.155	84
262460	19287	LY2006				
262460	19287	LY2007				
263929	23034	LY2003				
263929	23034	LY2004				
263929	23034	LY2005				
263929	23034	LY2006	0	0	3.306666667	8
263929	23034	LY2007	0	2.28	6.183	16.66666667
264369	18740	LY2003				
264369	18740	LY2004				
264369	18740	LY2005				
264369	18740	LY2006				
264369	18740	LY2007	0	0.692	0.205666667	8
264726	55808	LY2003				
264726	55808	LY2004				
264726	55808	LY2005				
264726	55808	LY2006				
264726	55808	LY2007	0	2.575	0.218	8.75
265379	19630	LY2003				
265379	19630	LY2004	2.21	1.51	0.059	4
265379	19630	LY2005				
265379	19630	LY2006				
265379	19630	LY2007				
265538	8968	LY2003	3.255333333	0	12.38777778	3.833333333
265538	8968	LY2004	2.37	0	10.46833333	0
265538	8968	LY2005	0.783714286	0.206571429	3.552285714	7.642857143
265538	8968	LY2006	1.016375	0.271	6.761	5
265538	8968	LY2007	0.617	0.1913	4.5273	1.95
265538	54171	LY2003				
265538	54171	LY2004	8.62	0	13.3	0
265538	54171	LY2005	7.43	0	10.8	0
265538	54171	LY2006				
265538	54171	LY2007				
266019	47090	LY2003				



**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
266019	47090	LY2004	0	0	0	14
266019	47090	LY2005				
266019	47090	LY2006				
266019	47090	LY2007				
267724	55394	LY2003	0	0.585333333	0	4.388888889
267724	55394	LY2004	0	0.570888889	0	7.611111111
267724	55394	LY2005	0	1.101333333	0.060166667	7.083333333
267724	55394	LY2006	0	0.3885	0	2.75
267724	55394	LY2007				
267724	55397	LY2003	0	10.6	0.254	12
267724	55397	LY2004	0	7.81	0.171	14
267724	55397	LY2005	0	6.25	0.147	24
267724	55397	LY2006				
267724	55397	LY2007				
267902	58687	LY2003	2.071428571	0.824142857	0.084714286	18.5
267902	58687	LY2004	0	0.69575	0.068	21.375
267902	58687	LY2005	2.8	5.857571429	4.381857143	10.57142857
267902	58687	LY2006	0	0.634	0.209	6
267902	58687	LY2007				
268905	19587	LY2003	0	0.2285	0.1595	2.75
268905	19587	LY2004	0	0.3	0.106	16
268905	19587	LY2005	0	0.537	0.051	10
268905	19587	LY2006				
268905	19587	LY2007				
268905	19588	LY2003				
268905	19588	LY2004	0	0.479	0.13	14
268905	19588	LY2005				
268905	19588	LY2006				
268905	19588	LY2007				
269572	19149	LY2003				
269572	19149	LY2004				
269572	19149	LY2005	0	0	0.065	0
269572	19149	LY2006				
269572	19149	LY2007				
269646	6982	LY2003	0.697777778	1.962222222	0.128111111	13.77777778
269646	6982	LY2004	1.4005	1.963333333	0.280333333	27
269646	6982	LY2005				
269646	6982	LY2006				
269646	6982	LY2007				
269989	40777	LY2003	0	66.9	23.9	36
269989	40777	LY2004	0	87.4	23.05	74
269989	40777	LY2005	1.25	12.9	19.6	6
269989	40777	LY2006	0	21.3	14.9	34

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
269989	40777	LY2007	1.15	12.4	20.65	0
270369	68230	LY2003				
270369	68230	LY2004	6.23	6.24	59.9	16
270369	68230	LY2005				
270369	68230	LY2006				
270369	68230	LY2007				
270369	68231	LY2003				
270369	68231	LY2004	4.59	0.769	56.6	10
270369	68231	LY2005				
270369	68231	LY2006				
270369	68231	LY2007				
270369	68235	LY2003				
270369	68235	LY2004	0	0	14.6	0
270369	68235	LY2005				
270369	68235	LY2006				
270369	68235	LY2007				
270454	63919	LY2003				
270454	63919	LY2004	0	0.603	0.438	8
270454	63919	LY2005	0	0.637	0.46	0
270454	63919	LY2006				
270454	63919	LY2007				
270613	55756	LY2003	0	0.3	0.101	28
270613	55756	LY2004				
270613	55756	LY2005	0	0	1.04	10
270613	55756	LY2006	0	0	3.85	14
270613	55756	LY2007				
270613	75003	LY2003				
270613	75003	LY2004	6.29	2.69	1.09	54
270613	75003	LY2005				
270613	75003	LY2006				
270613	75003	LY2007				
270613	86490	LY2003				
270613	86490	LY2004				
270613	86490	LY2005				
270613	86490	LY2006	0	0	0.13	0
270613	86490	LY2007				
270620	41336	LY2003				
270620	41336	LY2004	0	0.06	0.121	20
270620	41336	LY2005				
270620	41336	LY2006				
270620	41336	LY2007				
270621	15430	LY2003				
270621	15430	LY2004	10.8	35	0.894	900

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
270621	15430	LY2005				
270621	15430	LY2006				
270621	15430	LY2007	0.55	0.904	0.054	8
270690	61700	LY2003	10.175	23.4	11.75	11
270690	61700	LY2004				
270690	61700	LY2005	50.15	122.45	63.05	9.75
270690	61700	LY2006	15.4	38.7	19.3	4
270690	61700	LY2007	12.7	20.3	13.6	0
270690	97956	LY2003	23.92444444	36.03855556	24.07222222	27.94444444
270690	97956	LY2004	14.818	15.00316667	23.50016667	14.25
270690	97956	LY2005	1.568	0.7466	0.474	25.9
270690	97956	LY2006	0	0.233333333	1.996666667	19.66666667
270690	97956	LY2007	0.908727273	2.773545455	22.12090909	9.363636364
270690	97959	LY2003	16.5742	45.014	46.545	99.2
270690	97959	LY2004	49.415	49.23	57.5	1687
270690	97959	LY2005				
270690	97959	LY2006				
270690	97959	LY2007	33.68	75.09666667	57.35	94.33333333
270690	97989	LY2003	12.5735	0.993625	11.600875	138.9375
270690	97989	LY2004	1.103333333	0	4.673333333	5.833333333
270690	97989	LY2005	19.492	6.2975	19.6675	143.875
270690	97989	LY2006	0.462333333	0	4.117666667	4.5
270690	97989	LY2007	21.13483333	24.87316667	26.76333333	105.9166667
271106	23764	LY2003	0	0	0.054	0
271106	23764	LY2004	0.679	0.801	0.058	18
271106	23764	LY2005				
271106	23764	LY2006				
271106	23764	LY2007				
271671	19769	LY2003	0.716666667	2.48	0.630333333	57.83333333
271671	19769	LY2004	0	1.39	1.02	32
271671	19769	LY2005				
271671	19769	LY2006				
271671	19769	LY2007				
271671	19776	LY2003	0	2.23	0.593	22
271671	19776	LY2004	0	0.3615	0.1775	7.75
271671	19776	LY2005				
271671	19776	LY2006				
271671	19776	LY2007				
271671	53718	LY2003	0	0.2885	0.651	0
271671	53718	LY2004	0	0	0.122	0
271671	53718	LY2005	0	0.2665	0.1975	5
271671	53718	LY2006	0.411	0.306	0.0525	4.75
271671	53718	LY2007	0.3855	0.701	0.2735	4.75

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
271671	64444	LY2003	0	0.77475	0.0955	39.5
271671	64444	LY2004	0	0.26175	0.1325	33.5
271671	64444	LY2005	0	0	0	41.33333333
271671	64444	LY2006	0	0.2535	0	61
271671	64444	LY2007				
271674	79403	LY2003				
271674	79403	LY2004	0	1.16	0.352	42
271674	79403	LY2005	0.35875	51.7965	0.94875	144
271674	79403	LY2006				
271674	79403	LY2007				
272018	19092	LY2003				
272018	19092	LY2004				
272018	19092	LY2005	16	0.77	0.4	86
272018	19092	LY2006	1.2735	0.51125	0.073	5.25
272018	19092	LY2007	0.8815	0	0.1175	4.75
272018	47041	LY2003				
272018	47041	LY2004				
272018	47041	LY2005	0	0	0.062	0
272018	47041	LY2006	1.88	1.28	0.11	42
272018	47041	LY2007				
272154	13097	LY2003				
272154	13097	LY2004	1	1.09	1.7	8
272154	13097	LY2005				
272154	13097	LY2006				
272154	13097	LY2007				
272262	23367	LY2003	0	0.274	0.65975	3.25
272262	23367	LY2004				
272262	23367	LY2005	0	1.38	3.94	4
272262	23367	LY2006	0	1.24	0.315	12
272262	23367	LY2007	0.337833333	1.583833333	0.4725	4.6
272355	52801	LY2003	0	0	0.093	6
272355	52801	LY2004				
272355	52801	LY2005				
272355	52801	LY2006				
272355	52801	LY2007				
272839	21025	LY2003				
272839	21025	LY2004				
272839	21025	LY2005				
272839	21025	LY2006	0	2.57	0.289	0
272839	21025	LY2007	0	2.066666667	0.434666667	2.333333333
275099	12454	LY2003	0	0.21525	0.49675	8
275099	12454	LY2004	0.5825	1.14	0.7735	8
275099	12454	LY2005	0	0.831666667	0.503	14.66666667

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
275099	12454	LY2006	0	0.266	0.129	6.75
275099	12454	LY2007	0	0.364	0.649	6
276847	18877	LY2003				
276847	18877	LY2004	1.001142857	0.641	0.036714286	113.4285714
276847	18877	LY2005	0.382	0.333545455	0.029090909	14.31818182
276847	18877	LY2006	0.926	0.667333333	0.0415	23.58333333
276847	18877	LY2007	0.344416667	0.317416667	0.040166667	9
276867	58274	LY2003				
276867	58274	LY2004	0.365333333	0.381	0.445666667	16
276867	58274	LY2005	7.5365	0.85625	3.6235	12
276867	58274	LY2006	1.604833333	1.761666667	0.386	31.33333333
276867	58274	LY2007	1.375	0.665	0.1765	18
276902	20119	LY2003				
276902	20119	LY2004	0	0	0.135	0
276902	20119	LY2005				
276902	20119	LY2006				
276902	20119	LY2007				
276952	20694	LY2003	75.37727273	251.4681818	26.75681818	26.86363636
276952	20694	LY2004	69.6375	278.5	25.25	31.25
276952	20694	LY2005	55.5	266.3333333	24.7	40.66666667
276952	20694	LY2006	67.80666667	292.5333333	25.26666667	25.83333333
276952	20694	LY2007	61.5	273	23.8	9.75
277021	18646	LY2003	0.70075	0.361416667	0.783333333	8.25
277021	18646	LY2004	1.091636364	0.323545455	0.756090909	7.045454545
277021	18646	LY2005	0.908	0.221615385	1.042153846	6.769230769
277021	18646	LY2006	0.722	0.359916667	1.009	8.333333333
277021	18646	LY2007	0.988125	0.349375	1.502875	6.5
277021	18647	LY2003	0.895555556	1.139888889	0.440777778	28.16666667
277021	18647	LY2004	0	0.4194	0.5261	12
277021	18647	LY2005	0	0.476666667	0.647	17.56666667
277021	18647	LY2006	0	0.593333333	0.716111111	16.88888889
277021	18647	LY2007	0	0.702	0.5486	16.8
277172	51798	LY2003	0	0.3535	0.0335	9
277172	51798	LY2004				
277172	51798	LY2005				
277172	51798	LY2006	0	0.378	0.052	4
277172	51798	LY2007				
278840	58690	LY2003				
278840	58690	LY2004				
278840	58690	LY2005				
278840	58690	LY2006	0	0.536	2.58	14
278840	58690	LY2007				
278841	19463	LY2003	0	0.598	0.347	16

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
278841	19463	LY2004	0.291	1.557	0.5355	10.5
278841	19463	LY2005	0	0.6415	0.3705	5.75
278841	19463	LY2006	0.209428571	1.360142857	0.891857143	9.428571429
278841	19463	LY2007	0	0.699666667	0.329	11.33333333
278948	18616	LY2003	0	0.838	0.864	6
278948	18616	LY2004	0.3207	1.1265	0.7256	4.75
278948	18616	LY2005	0	0.593	0.3252	4.5
278948	18616	LY2006	0	1.58725	0.726	4.875
278948	18616	LY2007	0	1.011	0.51625	0
279046	18634	LY2003	0	1.41	0.051	20
279046	18634	LY2004	0.181272727	0.681545455	0.030181818	8.954545455
279046	18634	LY2005	0.304307692	1.036307692	0.135769231	13.03846154
279046	18634	LY2006	0	0.78175	0.092	7.916666667
279046	18634	LY2007	0	0.87675	0.06375	8.741666667
279325	63863	LY2003	0	0.276545455	0.026909091	3.909090909
279325	63863	LY2004	0	0.5213	0.0249	12.5
279325	63863	LY2005	0	0.3742	0.0439	2.65
279325	63863	LY2006	0	0.451454545	0.044454545	5.954545455
279325	63863	LY2007	0	0.36125	0.035583333	7.458333333
279520	19412	LY2003				
279520	19412	LY2004	0.35675	2.13025	1.518	9
279520	19412	LY2005				
279520	19412	LY2006				
279520	19412	LY2007				
279781	41917	LY2003	0	0	0	2.75
279781	41917	LY2004	0	0.986	0.3272	8.4
279781	41917	LY2005	0	1.195	0.5745	6.5
279781	41917	LY2006				
279781	41917	LY2007				
280584	10285	LY2003	0	0.729333333	0.159888889	16.77777778
280584	10285	LY2004	0	0.57025	0.1385	12.375
280584	10285	LY2005	0	0.882	0.157166667	5.833333333
280584	10285	LY2006	0	0.6306	0.1722	5.7
280584	10285	LY2007	0	1.46	0.21475	10
280626	19117	LY2003				
280626	19117	LY2004	0	0.117666667	0.171666667	10
280626	19117	LY2005	0	0	0.096	2.75
280626	19117	LY2006				
280626	19117	LY2007				
280833	19027	LY2003				
280833	19027	LY2004	2.01	0.909	0.195	84
280833	19027	LY2005				
280833	19027	LY2006				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
280833	19027	LY2007	1.6	1.14	0	8
281838	51181	LY2003	0.98	0.444285714	2.708857143	9.928571429
281838	51181	LY2004	12.328125	11.0545	11.875375	219.9375
281838	51181	LY2005	0	0	0.136	4.875
281838	51181	LY2006	0	0.2005	0.61	9.375
281838	51181	LY2007	0	0.251	0.3665	5.75
466986	67305	LY2003	3.890555556	4.872444444	57.14444444	26.22222222
466986	67305	LY2004	3.853454545	10.004	54.06363636	23.27272727
466986	67305	LY2005	2.816	7.717	24.812	34.4
466986	67305	LY2006	0.3825	0.3275	0.9775	5.3125
466986	67305	LY2007	0.9056	0	24.194	15.6
468702	12979	LY2003	0	0	0.369666667	12.5
468702	12979	LY2004	0	0	1.739	4.75
468702	12979	LY2005	0	0	0.2805	10.875
468702	12979	LY2006	0	0	0.553333333	7.333333333
468702	12979	LY2007	0	0	1.541444444	6
468705	40761	LY2003	0	6.65	6.01	12
468705	40761	LY2004				
468705	40761	LY2005	0.6005	6.3	6.3	0
468705	40761	LY2006				
468705	40761	LY2007	15.4	13	13	0
468705	62291	LY2003	0	0.3425	3.0765	6.75
468705	62291	LY2004	0	0	0.994	11.75
468705	62291	LY2005	0	0.254	1.9505	7.75
468705	62291	LY2006	0	0.214666667	0.691	3
468705	62291	LY2007	0	0	0.7435	2.75
468707	63830	LY2003				
468707	63830	LY2004	0.522	1.235	5.83	52
468707	63830	LY2005				
468707	63830	LY2006				
468707	63830	LY2007				
479775	33287	LY2003				
479775	33287	LY2004				
479775	33287	LY2005	1.233	2.268333333	6.86	12.66666667
479775	33287	LY2006				
479775	33287	LY2007				
479814	42226	LY2003	0	0	0	0
479814	42226	LY2004	1.01	0.829	0.077	0
479814	42226	LY2005				
479814	42226	LY2006				
479814	42226	LY2007	0	0.944	0.05	4
481386	10085	LY2003				
481386	10085	LY2004				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
481386	10085	LY2005	0.82	0	0.653	8
481386	10085	LY2006	0.692545455	0.268636364	6.971818182	16.72727273
481386	10085	LY2007	0.6225	0	5.50075	4.25
481396	10085	LY2003	0.869305556	0.185277778	4.251388889	8.819444444
481396	10085	LY2004	0.761176471	0.175058824	5.505882353	12.73529412
481396	10085	LY2005	0.951882353	0.441171429	5.240558824	14.5
481396	10085	LY2006	0.6722	0.23	6.8802	10.14
481396	10085	LY2007	0.635	0	6.31	14
481396	43114	LY2003				
481396	43114	LY2004				
481396	43114	LY2005				
481396	43114	LY2006	0	0.658	5.32	0
481396	43114	LY2007				
481396	87243	LY2003				
481396	87243	LY2004				
481396	87243	LY2005				
481396	87243	LY2006	2.7	0	3.51	8
481396	87243	LY2007				
487593	40257	LY2003	10	2.8	22.4	0
487593	40257	LY2004				
487593	40257	LY2005				
487593	40257	LY2006				
487593	40257	LY2007				
490739	41897	LY2003				
490739	41897	LY2004				
490739	41897	LY2005				
490739	41897	LY2006				
490739	41897	LY2007	0	0	0	0
490802	41830	LY2003				
490802	41830	LY2004				
490802	41830	LY2005				
490802	41830	LY2006	0.624	2.11	0.681	4
490802	41830	LY2007				
490906	42737	LY2003	0.200888889	1.409111111	0.481666667	18.44444444
490906	42737	LY2004	0.2374	0.7671	0.274	16.55
490906	42737	LY2005	0	0.9207	0.3456	12.1
490906	42737	LY2006	1.0452	4.0976	0.3494	11.5
490906	42737	LY2007	0.1937	2.0737	0.5395	9.1
490916	42298	LY2003	0.36575	0.24875	1.07075	4.375
490916	42298	LY2004	0	0.377	0.354	8.75
490916	42298	LY2005				
490916	42298	LY2006	0.917	0.8235	0.2405	23
490916	42298	LY2007	0	0	0.109	16



**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
491093	81282	LY2003				
491093	81282	LY2004				
491093	81282	LY2005	0	0	0.4288	9.1
491093	81282	LY2006				
491093	81282	LY2007				
491596	42813	LY2003	0	0.222727273	0.467636364	64
491596	42813	LY2004	0.922	1.1094	1.5162	50.8
491596	42813	LY2005	0	0.1681	0.6863	33.8
491596	42813	LY2006	0	0.243375	0.852	17.25
491596	42813	LY2007	0	0.254	1.1233	17.3
492205	41069	LY2003				
492205	41069	LY2004				
492205	41069	LY2005	0	1.57	13.6	20
492205	41069	LY2006				
492205	41069	LY2007				
492562	34767	LY2003	27.6	1.613	9.286666667	220
492562	34767	LY2004				
492562	34767	LY2005	1.39	0	2.49	0
492562	34767	LY2006	6.934	0.388	4.305	0
492562	34767	LY2007				
493115	43492	LY2003	0	3.12	2.25	12
493115	43492	LY2004	0	5.13	3.34	8
493115	43492	LY2005				
493115	43492	LY2006				
493115	43492	LY2007				
494625	43857	LY2003				
494625	43857	LY2004	3.78	0.671	3	22
494625	43857	LY2005				
494625	43857	LY2006				
494625	43857	LY2007				
494625	43862	LY2003				
494625	43862	LY2004	1.89	10.5	1.62	42
494625	43862	LY2005				
494625	43862	LY2006				
494625	43862	LY2007				
494655	46917	LY2003	0	0.564	0.138	0
494655	46917	LY2004				
494655	46917	LY2005				
494655	46917	LY2006				
494655	46917	LY2007				
495260	48430	LY2003				
495260	48430	LY2004				
495260	48430	LY2005				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
495260	48430	LY2006	0	0.9155	18.83975	3.625
495260	48430	LY2007				
495965	49318	LY2003	0.199	0.897666667	2.04	8
495965	49318	LY2004	0	0.579666667	1.4755	14.04166667
495965	49318	LY2005	0	0.303916667	0.86625	7
495965	49318	LY2006	0	0	0.582888889	5.5
495965	49318	LY2007				
510671	67990	LY2003				
510671	67990	LY2004				
510671	67990	LY2005				
510671	67990	LY2006	0	0	0.363666667	3
510671	67990	LY2007	0	0.18925	0.36275	7.75
510671	67991	LY2003				
510671	67991	LY2004				
510671	67991	LY2005				
510671	67991	LY2006	0	0	0.362	2.75
510671	67991	LY2007	0	1.01	0.851	6
510671	68010	LY2003				
510671	68010	LY2004				
510671	68010	LY2005				
510671	68010	LY2006	0	0	0.1975	2.75
510671	68010	LY2007	0	0	0	5.3
510674	46985	LY2003	0.506666667	0.973	1.94	21.33333333
510674	46985	LY2004				
510674	46985	LY2005	0	0.615	2.43	6
510674	46985	LY2006				
510674	46985	LY2007				
510674	46986	LY2003	0	0	0.355	0
510674	46986	LY2004				
510674	46986	LY2005	0	0	0.298	4
510674	46986	LY2006				
510674	46986	LY2007				
510674	46987	LY2003	15.4	1.06	4.3	4
510674	46987	LY2004				
510674	46987	LY2005				
510674	46987	LY2006				
510674	46987	LY2007	8.73	1.47	1.71	102
510674	46990	LY2003	2.45	4.23	6.68	36
510674	46990	LY2004	3.413333333	7.681333333	4.556666667	270
510674	46990	LY2005	0	0	4.96	10
510674	46990	LY2006				
510674	46990	LY2007				
510674	46991	LY2003				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
510674	46991	LY2004				
510674	46991	LY2005	0	0	1.55	8
510674	46991	LY2006				
510674	46991	LY2007				
510856	69964	LY2003				
510856	69964	LY2004				
510856	69964	LY2005				
510856	69964	LY2006	0	1.61	15.3	6
510856	69964	LY2007				
512244	49767	LY2003	0.504	0.904	0.236	26
512244	49767	LY2004				
512244	49767	LY2005				
512244	49767	LY2006				
512244	49767	LY2007				
513596	51682	LY2003				
513596	51682	LY2004	0	0	2.69	0
513596	51682	LY2005				
513596	51682	LY2006				
513596	51682	LY2007				
513638	53007	LY2003	0	1.225	0.154	6.75
513638	53007	LY2004	0	0.348	0.136	14
513638	53007	LY2005				
513638	53007	LY2006	0.745	2.51	0.115	18
513638	53007	LY2007				
513879	45943	LY2003	0	0	1.995	6
513879	45943	LY2004	0	0	1.78	12
513879	45943	LY2005				
513879	45943	LY2006				
513879	45943	LY2007				
514203	46314	LY2003	2.2512	1.5814	0.1468	27.5
514203	46314	LY2004				
514203	46314	LY2005				
514203	46314	LY2006				
514203	46314	LY2007				
515696	64666	LY2003	0.331571429	11.77085714	4.084285714	5.285714286
515696	64666	LY2004	0.483666667	0	1.882666667	13.33333333
515696	64666	LY2005				
515696	64666	LY2006				
515696	64666	LY2007				
516756	46851	LY2003				
516756	46851	LY2004				
516756	46851	LY2005				
516756	46851	LY2006	0	0	0	0

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
516756	46851	LY2007				
522013	53749	LY2003	0.535	1.51	9.15	8
522013	53749	LY2004				
522013	53749	LY2005				
522013	53749	LY2006				
522013	53749	LY2007				
522083	56378	LY2003	1.01	1.53	0.474	90
522083	56378	LY2004				
522083	56378	LY2005				
522083	56378	LY2006				
522083	56378	LY2007				
523185	70965	LY2003	0	1.473	2.58	0
523185	70965	LY2004				
523185	70965	LY2005				
523185	70965	LY2006				
523185	70965	LY2007				
523428	52944	LY2003	0	7.46675	0.1785	16.5
523428	52944	LY2004	0	1.447	0.1108	29.2
523428	52944	LY2005	0	1.42925	0.08875	25
523428	52944	LY2006	0	1.072333333	0.047666667	33.33333333
523428	52944	LY2007	0	1.575	0.0965	36
523428	52945	LY2003	0	0.856125	0.042	30
523428	52945	LY2004	0	0.2715	0	14
523428	52945	LY2005	0	0.362	0	6
523428	52945	LY2006	0	1.623	0.188	27.33333333
523428	52945	LY2007	0	1.7	0.136	26
523529	51798	LY2003				
523529	51798	LY2004	0	0.838	0.031	0
523529	51798	LY2005	0	0.487428571	0.037285714	10.14285714
523529	51798	LY2006	0	0.468272727	0.060909091	9
523529	51798	LY2007	0	0.697090909	0.056636364	5
523581	54717	LY2003				
523581	54717	LY2004				
523581	54717	LY2005				
523581	54717	LY2006				
523581	54717	LY2007	0	0	0.602	0
523581	54720	LY2003				
523581	54720	LY2004				
523581	54720	LY2005	0	0.301	1.0225	13.36
523581	54720	LY2006	0.7425	0.475	0.458	14.9375
523581	54720	LY2007	0	0.2826	0.3192	4.375
523717	52874	LY2003	0	0	3.8	12
523717	52874	LY2004	0	0.804	4.86	16

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
523717	52874	LY2005				
523717	52874	LY2006				
523717	52874	LY2007				
524151	54980	LY2003	0	0	1.271	3.75
524151	54980	LY2004	0	0	1.1	0
524151	54980	LY2005	0	0.481	0.822	4
524151	54980	LY2006				
524151	54980	LY2007				
524519	54943	LY2003	0	0.241	0.07	6
524519	54943	LY2004	0	0.20825	0.073125	6.75
524519	54943	LY2005	0	0.181166667	0.085166667	5.625
524519	54943	LY2006	0.329166667	0.991333333	0.269583333	12.75
524519	54943	LY2007	0.340909091	0.216181818	0.046363636	3.727272727
542304	58968	LY2003				
542304	58968	LY2004				
542304	58968	LY2005	0.899	15.6	7.13	38
542304	58968	LY2006	0.603333333	4.26	9.52	7.166666667
542304	58968	LY2007	0	0.282	1.7575	13
542304	58970	LY2003	0.410666667	31.93333333	7.546666667	52.66666667
542304	58970	LY2004	0.733333333	17.96666667	8.03	40
542304	58970	LY2005	0	33.5	6.45	16
542304	58970	LY2006				
542304	58970	LY2007				
543063	49153	LY2003				
543063	49153	LY2004				
543063	49153	LY2005				
543063	49153	LY2006	0	0.80675	0.20225	3.875
543063	49153	LY2007	0.378	1.0894	0.314	2.85
543063	49154	LY2003				
543063	49154	LY2004				
543063	49154	LY2005				
543063	49154	LY2006	0	1.64	0.304	12
543063	49154	LY2007				
544041	55294	LY2003	0.388	0.4125	0.209	0
544041	55294	LY2004	0	0	0.186	6.75
544041	55294	LY2005	0	4.245285714	11.227	23.57142857
544041	55294	LY2006	1.06	0.655	0.2615	4
544041	55294	LY2007	0	0	1.28	30
546747	68096	LY2003	0	0	0.134222222	9.277777778
546747	68096	LY2004	0.666	0.78025	0.17325	23
546747	68096	LY2005	0.559545455	0.863545455	0.136909091	19.72727273
546747	68096	LY2006	0.30175	0.569625	0.154625	12.25
546747	68096	LY2007	0.209833333	0.5885	0.19	21.66666667

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
546969	63192	LY2003				
546969	63192	LY2004	0	0	10.06	9.166666667
546969	63192	LY2005				
546969	63192	LY2006				
546969	63192	LY2007				
547221	60312	LY2003				
547221	60312	LY2004	0	0.1795	3.036166667	14.58333333
547221	60312	LY2005	0.3545	0.22975	4.257	5.75
547221	60312	LY2006				
547221	60312	LY2007				
547483	64459	LY2003	2.58	3.21	0.222	78
547483	64459	LY2004				
547483	64459	LY2005				
547483	64459	LY2006	0.742	0.422	0.07	10
547483	64459	LY2007				
548511	62285	LY2003	0.949	0.795	4.1	0
548511	62285	LY2004				
548511	62285	LY2005				
548511	62285	LY2006				
548511	62285	LY2007				
550007	71911	LY2003	0.459	0.376	0.3825	9.75
550007	71911	LY2004	0.669333333	0.298666667	1.405	43.83333333
550007	71911	LY2005	0.545333333	4.6	0.817	0
550007	71911	LY2006	0.407	0.40875	1.26575	5.75
550007	71911	LY2007				
551383	60613	LY2003				
551383	60613	LY2004				
551383	60613	LY2005				
551383	60613	LY2006	0	0.297	0.089	8.25
551383	60613	LY2007	0	0	0.0944	5.8
551600	65666	LY2003	0.7515	2.17125	1.531625	16.5
551600	65666	LY2004	0.889636364	2.166181818	0.878545455	15.2
551600	65666	LY2005	0.229	0.871	0.8008	11.2
551600	65666	LY2006	0.629857143	2.197714286	0.610142857	16.57142857
551600	65666	LY2007				
555629	64231	LY2003	0.9855	1.83	0.4795	66
555629	64231	LY2004	0.782	0.739	0.409	8
555629	64231	LY2005				
555629	64231	LY2006	0	0.309	0.664	6
555629	64231	LY2007	4	2.6	1.18	44
555629	64235	LY2003	0.569	0.8055	0.6395	14.75
555629	64235	LY2004	0	0	0.113	0
555629	64235	LY2005	0.505	0.369	0.719	0

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
555629	64235	LY2006				
555629	64235	LY2007				
558156	63549	LY2003	0	0	0.548	20
558156	63549	LY2004				
558156	63549	LY2005				
558156	63549	LY2006				
558156	63549	LY2007				
559018	64402	LY2003				
559018	64402	LY2004				
559018	64402	LY2005				
559018	64402	LY2006	2.143857143	1.203142857	0.298	34.14285714
559018	64402	LY2007	1.6952	1.5746	0.2078	34.3
559018	64403	LY2003				
559018	64403	LY2004	3.360833333	2.184333333	0.426166667	160.25
559018	64403	LY2005				
559018	64403	LY2006	24.8	43	0.774	1180
559018	64403	LY2007	0	0.512	0.291	0
559018	80828	LY2003				
559018	80828	LY2004				
559018	80828	LY2005	1.2295	1.2452	0.2118	28.1
559018	80828	LY2006	1.924333333	0.890666667	0.418333333	13.33333333
559018	80828	LY2007				
559865	66699	LY2003				
559865	66699	LY2004				
559865	66699	LY2005				
559865	66699	LY2006	1.91	1.1195	0.1685	14
559865	66699	LY2007	0	0.489	1.46	0
562159	72878	LY2003	0	68.76666667	20.13333333	52
562159	72878	LY2004				
562159	72878	LY2005				
562159	72878	LY2006				
562159	72878	LY2007				
562440	66969	LY2003	0.843	1.31	0.104	116
562440	66969	LY2004				
562440	66969	LY2005				
562440	66969	LY2006				
562440	66969	LY2007				
562608	79384	LY2003				
562608	79384	LY2004	1.22	4.41	0.951	66
562608	79384	LY2005				
562608	79384	LY2006				
562608	79384	LY2007				
565374	91464	LY2003				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
565374	91464	LY2004				
565374	91464	LY2005				
565374	91464	LY2006	0	8.063	2.4345	15
565374	91464	LY2007	0.325	2.740833333	2.765916667	7.583333333
568081	70745	LY2003				
568081	70745	LY2004				
568081	70745	LY2005				
568081	70745	LY2006	0	0.361666667	0.389333333	6
568081	70745	LY2007	1.4325	2.968	0.54425	70.875
570583	73303	LY2003	0	0	1.21	6
570583	73303	LY2004	0.735	0.654	2.12	12
570583	73303	LY2005				
570583	73303	LY2006				
570583	73303	LY2007				
570895	74759	LY2003				
570895	74759	LY2004				
570895	74759	LY2005				
570895	74759	LY2006	0	0.367	0	0
570895	74759	LY2007	0	0	0	12
570895	74761	LY2003				
570895	74761	LY2004				
570895	74761	LY2005				
570895	74761	LY2006				
570895	74761	LY2007	0	0	0	14.875
571276	72247	LY2003				
571276	72247	LY2004				
571276	72247	LY2005	0	0	1.82	0
571276	72247	LY2006	0.7125	0.25925	2.132	4.625
571276	72247	LY2007	0	0.295666667	1.144333333	5.833333333
571908	69816	LY2003				
571908	69816	LY2004				
571908	69816	LY2005	21.1	24.6	0.425	458
571908	69816	LY2006				
571908	69816	LY2007				
571908	69817	LY2003	0	0	0	0
571908	69817	LY2004				
571908	69817	LY2005	32.3	46.5	0.988	916
571908	69817	LY2006				
571908	69817	LY2007				
571908	69818	LY2003	10.2	11.8	0.144	202
571908	69818	LY2004				
571908	69818	LY2005				
571908	69818	LY2006				



**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
571908	69818	LY2007				
571981	69953	LY2003				
571981	69953	LY2004				
571981	69953	LY2005				
571981	69953	LY2006	1.625	1.405	0.357	66
571981	69953	LY2007				
573563	70253	LY2003				
573563	70253	LY2004				
573563	70253	LY2005				
573563	70253	LY2006				
573563	70253	LY2007	0	2.23	0.641	20
573920	75971	LY2003				
573920	75971	LY2004				
573920	75971	LY2005	0	0.232	0.221	4.75
573920	75971	LY2006	0	0	0.073	2.75
573920	75971	LY2007	0.74	0.6385	0.108	12
574474	73769	LY2003				
574474	73769	LY2004				
574474	73769	LY2005				
574474	73769	LY2006				
574474	73769	LY2007	0	0	0.15	18
574826	71463	LY2003				
574826	71463	LY2004				
574826	71463	LY2005	4.145	4.9625	0.2495	156
574826	71463	LY2006				
574826	71463	LY2007				
574837	71304	LY2003	0	0.367	0.093	12
574837	71304	LY2004	0	0	0.08	0
574837	71304	LY2005				
574837	71304	LY2006	0	0.4765	0.195	7
574837	71304	LY2007	0.6042	0.3818	0.2666	12.3
626806	73145	LY2003				
626806	73145	LY2004				
626806	73145	LY2005				
626806	73145	LY2006	10.72833333	4.930333333	0.827666667	116.6666667
626806	73145	LY2007	3.87	1.895	0.5845	39
627286	71855	LY2003				
627286	71855	LY2004				
627286	71855	LY2005				
627286	71855	LY2006	1.6035	0.964	0.148	3.75
627286	71855	LY2007				
627405	73389	LY2003	1.03	2.17	0.517	32
627405	73389	LY2004	2.69	2.53	0.466	136

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
627405	73389	LY2005				
627405	73389	LY2006				
627405	73389	LY2007				
628348	74618	LY2003				
628348	74618	LY2004				
628348	74618	LY2005	21.1	36.6	0.546	568
628348	74618	LY2006	1.793333333	0.998	0.473666667	21.83333333
628348	74618	LY2007	0.5775	0.504	0.0705	2.75
630226	72454	LY2003				
630226	72454	LY2004	2.36	5.31	38	62
630226	72454	LY2005				
630226	72454	LY2006				
630226	72454	LY2007				
630290	71826	LY2003				
630290	71826	LY2004	3.62	1.71	0.285	78
630290	71826	LY2005				
630290	71826	LY2006				
630290	71826	LY2007				
630290	71831	LY2003				
630290	71831	LY2004	0	0.75	5.24	4
630290	71831	LY2005	0	0	8.84	4
630290	71831	LY2006				
630290	71831	LY2007				
630634	75447	LY2003				
630634	75447	LY2004	0	0.365	0.416	10
630634	75447	LY2005				
630634	75447	LY2006				
630634	75447	LY2007				
631376	72744	LY2003				
631376	72744	LY2004	29.2	38.8	0.923	974
631376	72744	LY2005				
631376	72744	LY2006				
631376	72744	LY2007				
632601	73189	LY2003				
632601	73189	LY2004	0	0.255666667	4.346666667	7.333333333
632601	73189	LY2005				
632601	73189	LY2006				
632601	73189	LY2007				
632785	76927	LY2003				
632785	76927	LY2004				
632785	76927	LY2005				
632785	76927	LY2006	1.389	1.142	1.324	24
632785	76927	LY2007				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
634231	83407	LY2003				
634231	83407	LY2004				
634231	83407	LY2005	0	0	0	4
634231	83407	LY2006	0	0.605	0.137	12
634231	83407	LY2007	0.4955	0.5285	0.327	4.75
634368	75249	LY2003				
634368	75249	LY2004	1.65	3.48	1.22	70.75
634368	75249	LY2005				
634368	75249	LY2006				
634368	75249	LY2007				
634368	75250	LY2003				
634368	75250	LY2004	0	0	3.72	0
634368	75250	LY2005	1.551428571	2.364714286	16.72714286	106.8571429
634368	75250	LY2006	1.3578	1.0594	8.0056	20.8
634368	75250	LY2007				
634368	89367	LY2003				
634368	89367	LY2004				
634368	89367	LY2005				
634368	89367	LY2006				
634368	89367	LY2007	0	0.398	0.118	6
634719	71753	LY2003	0	0.643	2.28	0
634719	71753	LY2004	0	0.352	4.28	0
634719	71753	LY2005				
634719	71753	LY2006				
634719	71753	LY2007				
636335	78361	LY2003				
636335	78361	LY2004	0	6.8125	2.38975	19.5
636335	78361	LY2005	0	0.85175	0.681125	30.5
636335	78361	LY2006	0	0	0.37825	42
636335	78361	LY2007	0	0.31225	0.51225	20.5
636517	78783	LY2003				
636517	78783	LY2004				
636517	78783	LY2005	18.05	1.6565	1.6145	85
636517	78783	LY2006				
636517	78783	LY2007				
638074	73828	LY2003				
638074	73828	LY2004	2.27	7.73	14.2	84
638074	73828	LY2005				
638074	73828	LY2006				
638074	73828	LY2007				
638458	76595	LY2003				
638458	76595	LY2004	0.860333333	1.62	1.381	71.33333333
638458	76595	LY2005	0	0	0.142333333	8.5

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
638458	76595	LY2006	0	0.307	0.422	12
638458	76595	LY2007				
641505	76423	LY2003				
641505	76423	LY2004	0	0	0.394	6
641505	76423	LY2005				
641505	76423	LY2006				
641505	76423	LY2007				
643343	78692	LY2003				
643343	78692	LY2004	0.379	0.521	0.360333333	16.66666667
643343	78692	LY2005	0.364642857	0.198071429	0.259428571	12.5
643343	78692	LY2006	0.272642857	0.182642857	0.3005	7.035714286
643343	78692	LY2007	0.395	0.34175	0.264416667	10.20833333
644232	76866	LY2003				
644232	76866	LY2004				
644232	76866	LY2005				
644232	76866	LY2006				
644232	76866	LY2007	3.7835	0.81	0	36
646058	80826	LY2003				
646058	80826	LY2004				
646058	80826	LY2005	0.340833333	0	0.739833333	9.708333333
646058	80826	LY2006	0.65	0.18925	0.547666667	8.333333333
646058	80826	LY2007	1.000636364	0.308727273	1.210545455	12.63636364
646142	77177	LY2003				
646142	77177	LY2004				
646142	77177	LY2005				
646142	77177	LY2006	0.949	0.4725	0.294	22
646142	77177	LY2007				
648223	80644	LY2003				
648223	80644	LY2004				
648223	80644	LY2005	0	1.433	0.824428571	9.357142857
648223	80644	LY2006	0	2.019571429	0.712285714	8.214285714
648223	80644	LY2007	0	1.685	0.51	13
650742	79554	LY2003				
650742	79554	LY2004				
650742	79554	LY2005	0	0.316	1.38	10
650742	79554	LY2006				
650742	79554	LY2007	0	0	6.35	0
652158	79851	LY2003				
652158	79851	LY2004				
652158	79851	LY2005				
652158	79851	LY2006	0.645	1.25	2.615	15
652158	79851	LY2007	0	0.6415	2.355	4.75
653694	86104	LY2003				

**Table G-2. Annual Average Concentrations in PADEP Inspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
653694	86104	LY2004				
653694	86104	LY2005				
653694	86104	LY2006				
653694	86104	LY2007	2.91	3.03	0.1615	76.75
653735	80488	LY2003				
653735	80488	LY2004				
653735	80488	LY2005				
653735	80488	LY2006	2.17	3.61	0.6	230
653735	80488	LY2007				
653751	80629	LY2003				
653751	80629	LY2004				
653751	80629	LY2005	0	0	1.09	8
653751	80629	LY2006	0	0.167	0.175333333	10
653751	80629	LY2007				
660639	52874	LY2003				
660639	52874	LY2004				
660639	52874	LY2005				
660639	52874	LY2006				
660639	52874	LY2007	0	0.636	0.724	28
660807	87792	LY2003				
660807	87792	LY2004				
660807	87792	LY2005				
660807	87792	LY2006				
660807	87792	LY2007	18.3	43.6	1.03	1530
661298	82763	LY2003				
661298	82763	LY2004				
661298	82763	LY2005				
661298	82763	LY2006	446.5	300	18.7	68
661298	82763	LY2007	458.25	2087.5	16.775	15.25
662409	82888	LY2003				
662409	82888	LY2004				
662409	82888	LY2005				
662409	82888	LY2006				
662409	82888	LY2007	0	3.74	10.8	24
662831	80510	LY2003				
662831	80510	LY2004				
662831	80510	LY2005				
662831	80510	LY2006				
662831	80510	LY2007	6.59	0.961	6.96	8
667560	88089	LY2003				
667560	88089	LY2004				
667560	88089	LY2005				
667560	88089	LY2006				

**Table G-2. Annual Average Concentrations in PADEPInspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Loadings Year	Average Annual Aluminum Concentration (mg/L) (a)	Average Annual Iron Concentration (mg/L) (a)	Average Annual Manganese Concentration (mg/L) (a)	Average Annual TSS Concentration (mg/L) (a)
667560	88089	LY2007	0	0.243	0.2625	8
667560	89663	LY2003				
667560	89663	LY2004				
667560	89663	LY2005				
667560	89663	LY2006				
667560	89663	LY2007	0	3.49	1.04	16
673155	91491	LY2003				
673155	91491	LY2004				
673155	91491	LY2005				
673155	91491	LY2006	0	0.518	3.55	0
673155	91491	LY2007	0	0.721	0.891666667	7.583333333
673568	92748	LY2003				
673568	92748	LY2004				
673568	92748	LY2005				
673568	92748	LY2006				
673568	92748	LY2007	3.775	2.947	0.309	38
676549	93179	LY2003				
676549	93179	LY2004				
676549	93179	LY2005				
676549	93179	LY2006				
676549	93179	LY2007	0.678	0.504	0.128	22
676721	92325	LY2003				
676721	92325	LY2004				
676721	92325	LY2005				
676721	92325	LY2006				
676721	92325	LY2007	8.704666667	22.85166667	1.047666667	682
685072	96843	LY2003				
685072	96843	LY2004				
685072	96843	LY2005				
685072	96843	LY2006				
685072	96843	LY2007	0.350666667	0.713333333	0.877333333	8.5

Source: PADEPInspector.

(a) For the pollutant loadings analysis, EPA used one-half the detection limit as the sample concentration if at least one sample for the loading year was detected. If all the samples for a loading year were non-detect, EPA estimated pollutant loadings using a concentration of zero (i.e., zero loads).

**Table G-3. Revised Pollutant Concentrations for Outfalls with Monthly Loadings Exceeding 10,000 lb/month in PADEPInspector for AMD Outfalls**

Primary Facility ID	Outfall Number	Month/Year	Loadings Year	Analysis Parameter	Pollutant Concentration (mg/L) (a)
661298	82763	Dec-07	LY2007	Iron	3990
661298	82763	Sep-07	LY2007	Iron	3760
676721	92325	Dec-07	LY2007	TSS	2002
281838	51181	Apr-04	LY2004	TSS	1672
260423	24490	Mar-05	LY2005	TSS	976
631376	72744	Apr-04	LY2004	TSS	974
270621	15430	Sep-04	LY2004	TSS	900
4292	97984	Feb-03	LY2003	TSS	890
559018	64403	Sep-04	LY2004	TSS	766
270690	97989	Apr-05	LY2005	TSS	532
4286	97964	Apr-07	LY2007	TSS	516
260413	24490	Jan-05	LY2005	TSS	502
4286	97964	May-03	LY2003	TSS	466
271674	79403	Aug-05	LY2005	TSS	428
270690	97989	Feb-03	LY2003	TSS	408
260423	24490	Feb-05	LY2005	TSS	362
491596	42813	Feb-03	LY2003	TSS	348
4292	97985	Apr-07	LY2007	TSS	318
276952	20694	Mar-04	LY2004	Iron	300
276952	20694	Apr-07	LY2007	Iron	300
276952	20694	Jun-03	LY2003	Iron	300
276952	20694	Feb-04	LY2004	Iron	300
276952	20694	Dec-04	LY2004	Iron	300
276952	20694	Jan-05	LY2005	Iron	300
276952	20694	Jun-04	LY2004	Iron	300
276952	20694	Mar-05	LY2005	Iron	300
4286	97964	Feb-06	LY2006	TSS	294
276952	20694	Jul-06	LY2006	Iron	277.6
4286	97964	Jan-04	LY2004	TSS	240
4286	97964	Jan-05	LY2005	TSS	236
276952	20694	Dec-03	LY2003	Iron	225
270690	61700	Jan-05	LY2005	Iron	218
4292	97985	Apr-03	LY2003	TSS	213
271674	79403	Aug-05	LY2005	Iron	205
491596	42813	Mar-04	LY2004	TSS	176
491596	42813	Jan-05	LY2005	TSS	154
636335	78361	Oct-06	LY2006	TSS	120

Source: PADEPInspector.

(a) For outfalls with monthly pollutant loadings exceeding 10,000 pounds using unrevised data, EPA identified concentrations reported above 100 mg/L. EPA concluded that these concentration values reported above 100 should have units of measurement of micrograms per liter. Note that if an outfall's initial pollutant loadings did not exceed 10,000 pounds per month, EPA did not modify the data received from PA DEP.

**Appendix H**

**ANNUAL POLLUTANT LOADINGS BY POLLUTANT AND AMD OUTFALL  
INCLUDED IN *WVDMR***

Table H-1 Annual Pollutant Loadings for AMD Outfalls in *WVDMR*



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0000213	003	2003 to 2004	352.5480264	259.6346823	129.1234192	1359.004157	22.80676044	1.453954169	9.094548599
WV0000213	003	2004 to 2005	230.7062773	83.63102538	43.25742715	720.9571092	14.92466956	0.468333725	3.046749968
WV0000213	012	2003 to 2004	648.8614132	1234.999559	484.2128307	4596.101687	41.97563368	6.915997283	34.10455785
WV0000213	012	2004 to 2005	403.7359943	421.0389645	217.0080964	2595.44568	26.11817231	2.357818117	15.28452926
WV0000418	002	2003 to 2004	594.6093709	2631.277168	0	11695.72642	38.4660031	14.73515162	0
WV0000418	002	2004 to 2005	439.9244239	970.1312068	0	0	28.45924582	5.432734565	0
WV0000418	005	2003 to 2004	0	0	0	0	0	0	0
WV0000418	005	2004 to 2005	10.90087109	0	0	1038.178199	0.705190603	0	0
WV0000418	015	2003 to 2004	103.5551887	1728.087847	0	0	6.699111052	9.677291596	0
WV0000418	015	2004 to 2005	71.38665115	916.0300872	193.3153729	0	4.618089252	5.129768306	13.61577988
WV0000434	001	2003 to 2004	6.409308698	1.954449198	0.534819097	361.7893915	0.414625972	0.010944915	0.037668909
WV0000434	001	2004 to 2005	6.409308698	2.710798711	1.211207938	280.0918353	0.414625972	0.015180472	0.085308998
WV0000434	002	2003 to 2004	60.35852835	13.65754954	2.811732781	1891.136067	3.90466658	0.076482275	0.198038749
WV0000434	002	2004 to 2005	60.35852835	25.72374949	5.115190685	2362.215948	3.90466658	0.144052992	0.360278178
WV0000434	004	2003 to 2004	51.90890994	7.267247391	0.519089099	259.5445497	3.358050492	0.040696584	0.036560998
WV0000434	004	2004 to 2005	51.90890994	7.267247391	0.519089099	259.5445497	3.358050492	0.040696584	0.036560998
WV0001104	004	2003 to 2004	7.878259079	14.42610626	2.19875536	361.3377721	0.509654158	0.080786192	0.154864916
WV0001104	004	2004 to 2005	0.582488272	3.135893092	1.322190274	37.49878143	0.037681874	0.017561001	0.093125815
WV0001104	005	2003 to 2004	1.730297	8.489269791	6.434542079	27.5766091	0.111935017	0.047539909	0.453204043
WV0001104	005	2004 to 2005	1.730297	8.489269791	6.434542079	27.5766091	0.111935017	0.047539909	0.453204043
WV0001104	006	2003 to 2004	25.22403661	41.39735783	3.816566748	1141.900332	1.631773595	0.231825196	0.268812211
WV0001104	006	2004 to 2005	5.919238168	8.683928387	2.626266524	136.044605	0.382922713	0.048629997	0.184975806
WV0001104	007	2003 to 2004	1.395953191	1.9646081	0.417253919	132.3406868	0.090305909	0.011001805	0.029388441
WV0001104	007	2004 to 2005	1.65135227	2.662224238	1.659192681	73.15912353	0.106827986	0.014908455	0.116861903
WV0001104	009	2003 to 2004	2.134934219	46.80904155	5.208464489	257.3816844	0.13811149	0.262130623	0.366847731
WV0001104	009	2004 to 2005	0.796084104	20.73603679	2.409143675	63.30085155	0.051499649	0.116121802	0.169683194
WV0001104	011	2003 to 2004	465.2576676	14746.93779	11724.68558	55934.25726	30.09808416	82.58284866	825.8046712
WV0001104	011	2004 to 2005	540.4136814	5895.892759	4611.248596	40621.76616	34.96001806	33.01699827	324.7840299
WV0001104	013	2003 to 2004	44.24499384	41.3021911	0.404673227	2615.100703	2.862262443	0.231292262	0.028502346
WV0001104	013	2004 to 2005	2.271014942	2.63870308	0.650406317	109.3794956	0.146914718	0.014776737	0.045810062
WV0001104	014	2003 to 2004	11.58217624	32.17541545	4.811405638	1219.413991	0.749265062	0.18018232	0.338881689

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0001104	014	2004 to 2005	7.811897926	17.3688397	6.415862796	570.9488662	0.505361174	0.097265499	0.451888405
WV0001104	015	2003 to 2004	1.760937744	4.225709871	0.108594164	252.5659227	0.113917204	0.023663974	0.007648612
WV0001104	015	2004 to 2005	2.309405837	2.811732694	0.413378774	192.4414736	0.149398271	0.015745703	0.029115503
WV0001104	016	2003 to 2004	8.824514689	19.85515805	0.129772275	1193.904929	0.570868584	0.111188881	0.009140249
WV0001104	016	2004 to 2005	8.824514689	19.85515805	0.129772275	1193.904929	0.570868584	0.111188881	0.009140249
WV0001104	017	2003 to 2004	9.732920823	23.14272285	0	2357.529711	0.629634481	0.129599243	0
WV0001104	017	2004 to 2005	1.600524809	2.119613937	0.648861409	233.5901073	0.103539896	0.011869838	0.04570125
WV0001104	020	2003 to 2004	1.193634632	3.517369574	0.453639737	29.72258374	0.077217675	0.019697269	0.031951203
WV0001104	020	2004 to 2005	0.893831169	3.097674158	0.342102346	36.03884417	0.057823025	0.017346975	0.024095291
WV0001104	021	2003 to 2004	0.453865028	4.537974373	2.064415613	25.67283169	0.02936108	0.025412656	0.145402966
WV0001104	021	2004 to 2005	0.616664101	5.524661507	3.576111063	42.83959936	0.03989275	0.030938103	0.251876198
WV0001104	022	2003 to 2004	6.975260098	6.326849358	3.702565357	461.3674933	0.451238056	0.035430355	0.260782752
WV0001104	022	2004 to 2005	19.79715423	16.97853978	9.095857122	592.6267413	1.280701976	0.095079819	0.640648421
WV0001104	023	2003 to 2004	22.04371462	23.09946629	6.964445897	966.4655499	1.426034699	0.129357007	0.490526754
WV0001104	023	2004 to 2005	22.04371462	23.09946629	6.964445897	966.4655499	1.426034699	0.129357007	0.490526754
WV0001503	001	2003 to 2004	144.04723	0	0	0	9.318590438	0	0
WV0001503	001	2004 to 2005	279.1358423	0	0	0	18.057637	0	0
WV0001503	002	2003 to 2004	33.77864311	0	0	0	2.185181489	0	0
WV0001503	002	2004 to 2005	25.16446744	0	0	686.8738637	1.627919993	0	0
WV0001503	003	2003 to 2004	21.15648643	33.94626607	0	996.9484985	1.368638828	0.190099083	0
WV0001503	003	2004 to 2005	21.12043807	0	0	878.936812	1.366306816	0	0
WV0001503	005	2003 to 2004	20.39587696	0	0	485.7963569	1.319434077	0	0
WV0001503	005	2004 to 2005	59.72154793	70.85652746	0	1569.556761	3.863459542	0.39679654	0
WV0001503	006	2003 to 2004	19.7411165	0	0	0	1.277076826	0	0
WV0001503	006	2004 to 2005	19.7411165	0	0	0	1.277076826	0	0
WV0001503	010	2003 to 2004	19.61048401	0	0	0	1.268626052	0	0
WV0001503	010	2004 to 2005	19.61048401	0	0	0	1.268626052	0	0
WV0001848	005	2003 to 2004	4.549599858	664.7303885	129.7755245	797.5317728	0.294319146	3.722490043	9.140478325
WV0001848	005	2004 to 2005	7.221586887	567.6611923	127.3426518	489.8903485	0.467173235	3.178902563	8.969123821
WV0001848	012	2003 to 2004	6.129487202	19.03191588	13.99603034	644.6708357	0.396523979	0.106578725	0.985782276
WV0001848	012	2004 to 2005	16.79604753	38.35176373	83.40572612	903.2240684	1.086556735	0.214769869	5.87451474

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0001848	013	2003 to 2004	3.633623892	5.363920983	0.432574273	337.4079328	0.235063547	0.030037956	0.0304675
WV0001848	013	2004 to 2005	0	0	0	0	0	0	0
WV0001848	014	2003 to 2004	63.63618025	158.9899669	220.6660466	2316.884898	4.116701866	0.890343783	15.54216963
WV0001848	014	2004 to 2005	146.6163177	149.5792253	637.8722178	3829.881892	9.484787842	0.837643632	44.92724804
WV0001848	027	2003 to 2004	0.582623467	3.650746554	1.162498268	27.4712821	0.03769062	0.02044418	0.08187823
WV0001848	027	2004 to 2005	0.291469442	0.888669758	0.414234919	13.93474912	0.018855513	0.00497655	0.029175804
WV0001864	002	2003 to 2004	50.81545919	54.89727811	19.89841579	1024.54011	3.287313834	0.307424746	1.401504936
WV0001864	002	2004 to 2005	22.98185959	27.54281451	16.8393051	562.0761701	1.486724437	0.154239756	1.186042621
WV0001864	007	2003 to 2004	37.45101892	33.33345253	35.50353345	1008.247272	2.422751945	0.186667328	2.500620045
WV0001864	007	2004 to 2005	5.549296898	5.268574231	3.643717189	596.8353178	0.358990763	0.029504015	0.256637899
WV0001872	001	2003 to 2004	0.299422495	4.613674895	0.913137243	38.98237593	0.019370005	0.025836578	0.064314987
WV0001872	001	2004 to 2005	0.550450735	2.973407321	4.654498933	47.63723934	0.035609327	0.01665108	0.32783028
WV0001872	002	2003 to 2004	221.5792931	3416.388112	397.8651107	40553.74029	14.33423386	19.13177275	28.02282968
WV0001872	002	2004 to 2005	277.3311359	1756.404925	289.3029889	8421.923512	17.94088835	9.835867228	20.37647475
WV0001872	004	2003 to 2004	0.519089127	0.692118836	0.227101493	25.95445637	0.033580507	0.003875865	0.015995437
WV0001872	004	2004 to 2005	0.519089127	0.692118836	0.227101493	25.95445637	0.033580507	0.003875865	0.015995437
WV0001872	005	2003 to 2004	0.346059418	0.108143568	0	5.136819489	0.022387004	0.000605604	0
WV0001872	005	2004 to 2005	0.346059418	0.108143568	0	5.136819489	0.022387004	0.000605604	0
WV0001872	006	2003 to 2004	0.865148546	0.692118836	0.043257427	0	0.055967511	0.003875865	0.00304675
WV0001872	006	2004 to 2005	0.865148546	0.692118836	0.043257427	0	0.055967511	0.003875865	0.00304675
WV0001881	001	2003 to 2004	42.17598914	57.74866224	70.94217665	1167.950482	2.728416013	0.323392497	4.996669675
WV0001881	001	2004 to 2005	42.17598914	57.74866224	70.94217665	1167.950482	2.728416013	0.323392497	4.996669675
WV0001881	006	2003 to 2004	23.32193291	68.4826855	10.94412909	1175.814119	1.508724193	0.383503025	0.770827743
WV0001881	006	2004 to 2005	8.089138824	8.824515081	0.367688128	355.5544201	0.523296225	0.049417283	0.025897375
WV0002569	001	2003 to 2004	1.730297091	11.77219951	1.907961464	342.3516305	0.111935022	0.065924315	0.134383432
WV0002569	001	2004 to 2005	1.730297091	7.288876381	0.978699282	310.9127495	0.111935022	0.040817706	0.068932717
WV0002569	002	2003 to 2004	380.6653522	125.8719023	30.57759348	2843.815337	24.62570443	0.704882628	2.15367136
WV0002569	002	2004 to 2005	380.6653522	96.13602602	22.35327511	1622.333752	24.62570443	0.538361727	1.57440802
WV0002569	003	2003 to 2004	38.24000168	8.22612039	1.067016493	38.93168339	2.473792315	0.046066273	0.075153163
WV0002569	003	2004 to 2005	38.24000168	6.921188141	0.865148518	302.8019812	2.473792315	0.038758652	0.060934998
WV0002569	005	2003 to 2004	2.595445637	16.25243329	0.896046691	468.1071551	0.167902534	0.091013623	0.063111248

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0002569	005	2004 to 2005	2.595445637	1.446960964	0.475831701	54.72064512	0.167902534	0.008102981	0.03351425
WV0002569	008	2003 to 2004	324.6037266	165.8832183	15.78896058	3268.885035	20.99900971	0.92894599	1.112063715
WV0002569	008	2004 to 2005	324.6037266	124.542939	35.57202308	4149.348507	20.99900971	0.697440433	2.505443974
WV0002569	010	2003 to 2004	38.24000168	60.3513208	17.87973676	536.3920973	2.473792315	0.337967384	1.259323334
WV0002569	010	2004 to 2005	38.24000168	32.11863921	4.964690876	420.1377575	2.473792315	0.179864373	0.349678027
WV0002747	005	2003 to 2004	18.89808881	55.58579484	24.02589636	1296.821623	1.22254034	0.31128044	1.692215737
WV0002747	005	2004 to 2005	11.1486185	32.91103664	9.587418823	225.528492	0.721217684	0.184301799	0.675270582
WV0002976	008	2003 to 2004	34.26774614	70.50173908	47.49665375	1104.686509	2.216822159	0.394809725	3.345331376
WV0002976	008	2004 to 2005	24.72751739	76.98642025	62.08227163	636.2774089	1.599653162	0.431123938	4.372640066
WV0002976	014	2003 to 2004	3.008357373	3.670982495	0.625266433	114.6813347	0.194614296	0.020557501	0.044039385
WV0002976	014	2004 to 2005	5.746749104	12.01799445	1.847632858	395.6972974	0.371764186	0.067300767	0.130134308
WV0002984	006	2003 to 2004	42.81283632	67.21122643	45.02377133	2329.592678	2.769614431	0.376382855	3.171158872
WV0002984	006	2004 to 2005	42.81283632	67.21122643	45.02377133	2329.592678	2.769614431	0.376382855	3.171158872
WV0002984	010	2003 to 2004	18.26274532	4.740743759	13.43548672	126.5955663	1.181439198	0.026548164	0.946301513
WV0002984	010	2004 to 2005	12.55855822	6.895697493	7.726085547	269.4319808	0.812428399	0.038615905	0.544171312
WV0002984	011	2003 to 2004	0	0.043257427	0	0	0	0.000242242	0
WV0002984	011	2004 to 2005	0.605603982	0.562346555	0.519089127	0	0.039177258	0.003149141	0.036561
WV0002984	015	2003 to 2004	911.6679503	167.6608676	1136.572158	9315.584896	58.97690807	0.938900825	80.05217634
WV0002984	015	2004 to 2005	609.9867357	149.9095941	806.3312113	2941.455849	39.46078353	0.839493697	56.79231878
WV0003018	003	2003 to 2004	37.53663134	7.872851544	15.24824264	230.3457932	2.428290317	0.044087967	1.073979334
WV0003018	003	2004 to 2005	21.14206724	6.48861405	3.460594168	324.4306983	1.367706033	0.036336237	0.243739997
WV0003018	005	2003 to 2004	26.24283853	38.16566714	15.29555559	309.1103552	1.697681129	0.213727728	1.077311726
WV0003018	005	2004 to 2005	27.88301634	25.97698612	9.823040673	497.4604098	1.803786226	0.145471117	0.691866133
WV0003051	001	2003 to 2004	37.05989953	70.76509382	256.4147094	898.5378724	2.397449957	0.396284511	18.06005486
WV0003051	001	2004 to 2005	34.62081157	31.08749082	111.0632641	1410.868022	2.239662391	0.174089942	7.822517856
WV0003051	006	2003 to 2004	1.364575196	2.122563291	2.344749159	28.7932247	0.088276028	0.011886354	0.165147696
WV0003051	006	2004 to 2005	1.4396612	1.641078586	2.49045617	52.08915009	0.093133433	0.00919004	0.175410276
WV0003051	008	2003 to 2004	0.778633675	1.489227029	6.696790352	31.72211272	0.050370759	0.008339671	0.471674973
WV0003051	008	2004 to 2005	0.606955767	0.740783422	5.309849071	29.73948064	0.039264706	0.004148387	0.373988551
WV0003051	011	2003 to 2004	0	8.132396329	2.941505055	207.6356509	0	0.045541418	0.207178998
WV0003051	011	2004 to 2005	0	8.132396329	2.941505055	207.6356509	0	0.045541418	0.207178998

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0003051	012	2003 to 2004	0.410044365	11.88678067	22.86155054	62.20508231	0.026526269	0.066565969	1.610207378
WV0003051	012	2004 to 2005	0.367913414	3.767451392	6.38249792	25.90939539	0.023800766	0.021097727	0.449538417
WV0003051	017	2003 to 2004	1.081435654	5.48738476	6.468787619	51.50337296	0.069959387	0.030729354	0.455616059
WV0003051	017	2004 to 2005	1.492872771	10.29920005	8.85990746	62.15797274	0.096575754	0.057675518	0.624029781
WV0003051	018	2003 to 2004	0	0	0	0	0	0	0
WV0003051	018	2004 to 2005	0	0	0	0	0	0	0
WV0003051	021	2003 to 2004	12.54465351	0.432574259	29.84762386	259.5445553	0.811528886	0.002422416	2.102257416
WV0003051	021	2004 to 2005	12.54465351	0.432574259	29.84762386	259.5445553	0.811528886	0.002422416	2.102257416
WV0003051	022	2003 to 2004	11.24693073	0	237.0506938	86.51485176	0.727577622	0	16.69618933
WV0003051	022	2004 to 2005	13.39087726	1.997952386	150.1722137	309.0878319	0.86627213	0.011188533	10.57707814
WV0003051	023	2003 to 2004	11.50782714	35.93069923	8.938065584	819.074849	0.744455328	0.201211909	0.629534691
WV0003051	023	2004 to 2005	5.050755163	23.0174572	7.295635403	371.9688098	0.326739492	0.128897756	0.513853421
WV0004201	002	2003 to 2004	57.73424487	64.70589996	62.38441913	2583.910261	3.734898491	0.362353027	4.393921218
WV0004201	002	2004 to 2005	49.84697363	71.45045278	85.95250462	1922.071626	3.224661326	0.400122521	6.053891966
WV0004201	003	2003 to 2004	138.9861132	357.4433284	114.9313786	2741.799918	8.991180635	2.001682567	8.094960732
WV0004201	003	2004 to 2005	188.5086548	382.2334347	259.7860791	2705.031066	12.19485406	2.140507158	18.29751052
WV0004201	005	2003 to 2004	2.076356509	4.498772437	0.346059418	17.30297091	0.134322027	0.025193125	0.024374
WV0004201	005	2004 to 2005	1.994167328	3.045322775	0.795936647	51.90891127	0.129005109	0.017053807	0.056060198
WV0004201	009	2003 to 2004	292.3156662	368.783981	329.3043709	10722.79506	18.91025583	2.06519022	23.19389172
WV0004201	009	2004 to 2005	198.9445125	290.9422442	357.389258	7269.771161	12.86996238	1.629276509	25.17199431
WV0004201	017	2003 to 2004	17.38227608	37.34918318	58.54532271	278.4205297	1.124480572	0.209155418	4.123522175
WV0004201	017	2004 to 2005	11.72636707	45.38424913	75.20663899	329.8378694	0.758592942	0.254151786	5.297028512
WV0004201	018	2003 to 2004	50.06457266	91.39573246	48.77274814	1528.429076	3.238738071	0.511816084	3.435210521
WV0004201	018	2004 to 2005	51.9521691	67.86729738	26.36540133	828.3797132	3.36084898	0.380056852	1.856994069
WV0004201	019	2003 to 2004	104.4839901	214.5135815	72.64652304	1854.013329	6.759196346	1.201276014	5.116711888
WV0004201	019	2004 to 2005	104.4839901	214.5135815	72.64652304	1854.013329	6.759196346	1.201276014	5.116711888
WV0004201	020	2003 to 2004	492.74534	457.4905408	41.39735677	6090.645597	31.8762951	2.561946937	2.915739648
WV0004201	020	2004 to 2005	117.3833495	96.45540692	83.44357277	2195.746918	7.593671585	0.540150259	5.877180393
WV0004278	003	2003 to 2004	6.694086684	26.02294666	24.98476863	172.6692274	0.433048606	0.145728496	1.759751979
WV0004278	003	2004 to 2005	8.06161125	21.69163301	21.18040884	415.664544	0.521515433	0.121473141	1.491799541
WV0004278	015	2003 to 2004	6.791415854	8.270819785	1.427495046	235.7529709	0.439344948	0.046316589	0.100542745

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0004278	015	2004 to 2005	5.678520209	8.423400577	1.17974797	239.8820878	0.367350376	0.047171042	0.083093178
WV0004278	BGCD	2003 to 2004	4738.706767	8178.890585	787.3284051	789.2000122	306.5527018	45.80178564	55.4538943
WV0004278	BGCD	2004 to 2005	9449.190043	8917.918566	1398.523406	789.2000122	611.2795918	49.94034219	98.50218618
WV0004278	BGCU	2003 to 2004	5176.795386	6871.559522	861.3480434	789.2000122	334.8931872	38.48073195	60.66731881
WV0004278	BGCU	2004 to 2005	9452.093823	9980.829381	1433.130926	789.2000122	611.4674408	55.89264254	100.9396973
WV0004421	002	2003 to 2004	38.24000168	41.93807399	5.349501686	655.8907237	2.473792315	0.234853206	0.376781403
WV0004421	002	2004 to 2005	38.24000168	13.50867643	6.473164972	92.53999569	2.473792315	0.075648585	0.455924369
WV0004421	003	2003 to 2004	38.24000168	10.82300816	6.942816913	118.6334928	2.473792315	0.060608844	0.48900336
WV0004421	003	2004 to 2005	38.24000168	21.2691359	10.61969817	243.1878401	2.473792315	0.119107157	0.747977103
WV0004537	002	2003 to 2004	6.10125904	4.712278488	4.59158261	207.2494142	0.394697865	0.026388759	0.323398896
WV0004537	002	2004 to 2005	23.15763391	18.35080101	22.32999762	777.4390274	1.498095492	0.102764482	1.572768517
WV0004537	003	2003 to 2004	11.82809402	65.28841075	191.0010917	1550.746897	0.765173783	0.365615087	13.45277813
WV0004537	003	2004 to 2005	20.87643962	27.12375801	68.85440052	622.4175913	1.35052226	0.151893039	4.849621358
WV0004553	002	2003 to 2004	8.540016469	87.39984684	82.97403544	938.1454431	0.552464048	0.489439125	5.844109474
WV0004553	002	2004 to 2005	21.46045994	104.2147107	157.1944692	1275.057713	1.388303244	0.583602359	11.0716766
WV0005541	001	2003 to 2004	184.6983975	532.7909093	94.63643502	6115.518669	11.94836388	2.983628986	6.665527156
WV0005541	001	2004 to 2005	184.6983975	532.7909093	94.63643502	6115.518669	11.94836388	2.983628986	6.665527156
WV0005541	004	2003 to 2004	737.3790697	1026.864454	350.828348	3967.885776	47.70194849	5.750440738	24.7098898
WV0005541	004	2004 to 2005	190.0947648	648.5586094	715.6508794	1118.204499	12.29746145	3.631928083	50.4054318
WV0005541	006	2003 to 2004	416.3567439	1339.717965	483.9503271	7278.425786	26.93462395	7.502420336	34.08606893
WV0005541	006	2004 to 2005	56.62916271	179.7968628	177.2667719	789.6553117	3.663409383	1.006862396	12.48542891
WV0005606	001	2003 to 2004	0.713747519	1.237162366	0.142749504	4.758316791	0.046173195	0.006928109	0.010054274
WV0005606	001	2004 to 2005	0.713747519	1.237162366	0.142749504	4.758316791	0.046173195	0.006928109	0.010054274
WV0005606	002	2003 to 2004	4421.654084	3286.066611	977.2227487	47010.38632	286.0421783	18.40197237	68.82872086
WV0005606	002	2004 to 2005	13347.28523	17944.75951	24860.83691	196179.4051	863.4521088	100.4906497	1751.023097
WV0005690	002	2003 to 2004	19.68753629	8.673114125	2.254793402	410.9455551	1.273610658	0.048569437	0.158811843
WV0005690	002	2004 to 2005	22.11240988	11.65984274	2.72915042	721.6125354	1.430478678	0.065295117	0.192222226
WV0005690	003	2003 to 2004	97.65724539	69.24793035	30.08554015	2271.01489	6.317565932	0.387788396	2.119014573
WV0005690	003	2004 to 2005	70.5853059	67.92857918	12.28871382	2613.469537	4.566249253	0.38040003	0.865530867
WV0005690	004	2003 to 2004	33.1351895	15.51860198	4.044569401	490.9718001	2.143555693	0.086904168	0.284871119
WV0005690	004	2004 to 2005	33.1351895	15.51860198	4.044569401	490.9718001	2.143555693	0.086904168	0.284871119

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0005690	039	2003 to 2004	18.58627436	57.93611303	2.927085868	633.000349	1.202368685	0.324442221	0.206163412
WV0005690	039	2004 to 2005	18.58627436	57.93611303	2.927085868	633.000349	1.202368685	0.324442221	0.206163412
WV0005801	002	2003 to 2004	2532.271697	2420.252982	1337.321345	24052.93137	163.8157347	13.55341621	94.19154201
WV0005801	002	2004 to 2005	2939.197952	1741.507954	1973.439851	28955.43997	190.1402889	9.752444197	138.9952709
WV0005801	004	2003 to 2004	6.608161847	34.86863161	7.20865349	75.32690924	0.427490024	0.19526433	0.507727025
WV0005801	004	2004 to 2005	6.549792424	8.975916109	3.5440192	103.5706399	0.423714035	0.050265128	0.249615872
WV0005801	005	2003 to 2004	2.580698696	2.400983753	1.058430564	17.25490676	0.166948536	0.013445509	0.07454843
WV0005801	005	2004 to 2005	2.58960584	10.04437445	3.166011026	97.83748412	0.16752475	0.056248495	0.222991625
WV0005801	007	2003 to 2004	0.506111884	0.516926241	1.462101008	11.03064368	0.032740993	0.002894787	0.102980147
WV0005801	007	2004 to 2005	3.028019847	9.916765062	1.650270827	345.1942649	0.195886285	0.055533882	0.11623351
WV0005801	014	2003 to 2004	1.920629748	3.99410241	2.936097848	73.35738608	0.124247873	0.022366973	0.206798153
WV0005801	014	2004 to 2005	1.459577667	2.742881297	3.043520408	43.23940203	0.094421854	0.015360135	0.214364245
WV0005801	GWM-1	2003 to 2004	2.602655112	120.7728289	28.90422246	789.2000122	0.168368923	0.676327818	2.035810834
WV0005801	GWM-1	2004 to 2005	2.602655112	349.3425361	97.71214394	789.2000122	0.168368923	1.956318132	6.882158534
WV0005801	GWM-2	2003 to 2004	1.66396897	220.8637731	41.36815933	789.2000122	0.107644176	1.236837085	2.913683185
WV0005801	GWM-2	2004 to 2005	1.66396897	131.1408356	44.87633491	789.2000122	0.107644176	0.734388653	3.160774484
WV0020834	002	2003 to 2004	109.2141877	284.5293275	43.34033669	2273.17777	7.065198582	1.593364177	3.052589535
WV0020834	002	2004 to 2005	295.9817269	670.284628	66.19467656	5370.409424	19.14741775	3.753593783	4.662289044
WV0020834	005	2003 to 2004	40.46732273	69.21188301	31.71129865	1620.580505	2.617880306	0.387586531	2.233521606
WV0020834	005	2004 to 2005	65.24661826	32.9044825	60.13503247	1909.094428	4.220883059	0.184265095	4.235490188
WV0020834	010	2003 to 2004	50.79503271	68.05474634	56.00755275	780.7965425	3.28599242	0.381106566	3.944779447
WV0020834	010	2004 to 2005	50.79503271	68.05474634	56.00755275	780.7965425	3.28599242	0.381106566	3.944779447
WV0020834	011	2003 to 2004	17.29576078	41.01885361	12.13370796	313.9768173	1.118883792	0.229705572	0.854613341
WV0020834	011	2004 to 2005	18.58266953	21.44847409	29.54842725	506.1118894	1.202135484	0.120111451	2.081184105
WV0020834	016	2003 to 2004	7.512372885	16.14943881	6.708505713	249.0906731	0.485984535	0.090436854	0.472500121
WV0020834	016	2004 to 2005	4.449335255	3.120714318	1.915686017	59.3244701	0.287832907	0.017476	0.134927496
WV0020834	017	2003 to 2004	21.55301253	48.63937096	23.84565606	495.6580075	1.394290584	0.272380468	1.679520873
WV0020834	017	2004 to 2005	20.44994857	35.56841898	30.66591049	378.1420013	1.322932035	0.199183139	2.159891791
WV0020834	020	2003 to 2004	3.503851421	4.671801894	0.25954455	25.95445497	0.226668408	0.02616209	0.018280499
WV0020834	020	2004 to 2005	14.70752514	17.64903016	3.676881284	73.53762568	0.951447682	0.098834565	0.258973746
WV0020834	021	2003 to 2004	1.557267375	1.470752521	2.681960407	73.53762568	0.10074152	0.008236214	0.188898493

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0020834	021	2004 to 2005	1.557267375	1.470752521	2.681960407	73.53762568	0.10074152	0.008236214	0.188898493
WV0020834	022	2003 to 2004	2.329721346	4.795394678	0.747735508	37.07779361	0.150712506	0.026854209	0.052665248
WV0020834	022	2004 to 2005	1.470752516	1.218417507	0.547927397	24.51254108	0.095144768	0.006823138	0.038592165
WV0020834	023	2003 to 2004	30.79928822	29.24202084	2.076356509	34.60594182	1.9924434	0.163755311	0.146243999
WV0020834	023	2004 to 2005	16.14222965	5.104376219	46.53778071	191.053632	1.044260461	0.028584506	3.27779508
WV0020834	026	2003 to 2004	5.826775401	7.842571415	1.976864425	89.87931973	0.376941185	0.043918398	0.139236474
WV0020834	026	2004 to 2005	3.52980606	3.90181988	3.045322938	145.3449537	0.228347445	0.021850191	0.214491202
WV0020834	027	2003 to 2004	2.595445497	1.167950474	3.893168245	12.97722748	0.167902525	0.006540522	0.274207483
WV0020834	027	2004 to 2005	0.325728427	0.418083035	0.094301192	2.422415933	0.021071768	0.002341265	0.006641915
WV0020834	028	2003 to 2004	39.0008949	73.9615461	6.306932773	810.6441557	2.523015306	0.414184643	0.444216138
WV0020834	028	2004 to 2005	8.296450076	10.16942456	4.49898871	215.5878064	0.536707442	0.056948776	0.31687723
WV0021687	001	2003 to 2004	199.2905687	90.73245204	61.04704319	3309.193133	12.89234918	0.508101713	4.299725831
WV0021687	001	2004 to 2005	208.6630158	122.74295	51.61151792	3747.174645	13.49866418	0.687360495	3.635153566
WV0021687	002	2003 to 2004	11.5064754	2.617074295	0.69211882	182.2219085	0.744367882	0.014655616	0.048747998
WV0021687	002	2004 to 2005	16.53695357	3.559725694	0.69211882	251.4337904	1.069795631	0.019934463	0.048747998
WV0021687	DSDF01	2003 to 2004	45595.49067	39920.83678	8479.320823	789.2000122	2949.627724	223.556678	597.2239254
WV0021687	DSDF01	2004 to 2005	51527.21938	33043.14064	8479.320823	789.2000122	3333.358466	185.041581	597.2239254
WV0021687	DSRFBF	2003 to 2004	89.97544464	47.72735931	43.25742476	2595.445486	5.820620902	0.267273203	3.0467498
WV0021687	DSRFBF	2004 to 2005	94.69771757	60.95692479	16.46485835	1378.830498	6.126110479	0.341358767	1.159669217
WV0021687	USDF01	2003 to 2004	40532.20902	36365.07726	13107.00049	789.2000122	2622.077878	203.6444254	923.1652446
WV0021687	USDF01	2004 to 2005	48367.21057	33857.94862	13107.00049	789.2000122	3128.933654	189.6045055	923.1652446
WV0021687	USRFBF	2003 to 2004	12.36441452	3.684090863	1.552941618	789.2000122	0.799869008	0.020630908	0.109378323
WV0021687	USRFBF	2004 to 2005	9.884141792	4.47231328	1.552941618	789.2000122	0.639417149	0.025044953	0.109378323
WV0023329	002	2003 to 2004	38.24000168	14.95985991	2.811732682	283.8768605	2.473792315	0.083775213	0.198038742
WV0023329	002	2004 to 2005	38.24000168	14.95985991	2.811732682	283.8768605	2.473792315	0.083775213	0.198038742
WV0024619	003	2003 to 2004	49.15616491	32.61019991	6.847453818	807.635793	3.17997207	0.182617113	0.482286652
WV0024619	003	2004 to 2005	44.55514759	10.1276446	4.120269713	421.219174	2.882326666	0.056714808	0.290202919
WV0024627	007	2003 to 2004	5.190890994	2.465673222	1.872428537	88.98670275	0.335805049	0.01380777	0.131880742
WV0024627	007	2004 to 2005	5.190890994	2.984762321	0.934360379	90.84059239	0.335805049	0.016714668	0.065809796
WV0024627	008	2003 to 2004	5.190890994	2.187589776	2.539828808	135.9086496	0.335805049	0.012250502	0.178887739
WV0024627	008	2004 to 2005	5.190890994	3.374079146	1.271768293	57.09980093	0.335805049	0.018894843	0.089574445



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0024627	009	2003 to 2004	43.25742476	24.7828996	14.50926122	504.6699556	2.798375398	0.138784233	1.021930662
WV0024627	009	2004 to 2005	43.25742476	26.3870291	12.7609403	778.6336457	2.798375398	0.147767358	0.898791191
WV0024627	018	2003 to 2004	43.40161616	26.97100434	15.17614652	633.0003155	2.807703315	0.151037619	1.068901388
WV0024627	018	2004 to 2005	43.25742476	28.1173261	10.27363838	1067.917674	2.798375398	0.157457021	0.723603077
WV0024937	001	2003 to 2004	43.30068419	52.79568971	28.79863205	1056.021945	2.801173903	0.295655852	2.028373786
WV0024937	001	2004 to 2005	43.30068419	52.79568971	28.79863205	1056.021945	2.801173903	0.295655852	2.028373786
WV0025607	002	2003 to 2004	112.2755521	115.4117161	333.379579	3306.26426	7.263241968	0.646305587	23.48092082
WV0025607	002	2004 to 2005	33.30957066	30.42574224	101.8667353	299.6027436	2.154836622	0.17038415	7.174778826
WV0025607	004	2003 to 2004	4619.082078	1503.601111	6617.71036	18965.67787	298.8140353	8.420165923	466.1051328
WV0025607	004	2004 to 2005	4051.914164	1425.602576	5123.842212	15937.65814	262.1232534	7.983374142	360.8875313
WV0025607	005	2003 to 2004	9.478182675	2.616473476	26.02775283	146.8950089	0.61315516	0.014652251	1.833212475
WV0025607	005	2004 to 2005	2.573816829	1.141687061	5.666722754	43.72089944	0.16650334	0.006393447	0.399124232
WV0025607	006	2003 to 2004	7.3537624	3.965264039	34.96641925	84.71245902	0.47572383	0.022205478	2.462789485
WV0025607	006	2004 to 2005	2.152057051	1.402261633	3.338031534	24.15206409	0.139219187	0.007852665	0.235107544
WV0025607	007	2003 to 2004	7.676030135	5.528298927	11.79413705	0	0.496571722	0.030958473	0.830696346
WV0025607	007	2004 to 2005	2.58463131	1.541045849	1.157136206	44.06850426	0.167202942	0.008629856	0.081500564
WV0025607	015	2003 to 2004	1.757783522	4.052229548	1.128297875	124.9508774	0.113713153	0.022692485	0.079469394
WV0025607	015	2004 to 2005	0.771260234	0.822874204	0.192200607	22.66099224	0.049893762	0.004608095	0.013537264
WV0025607	017	2003 to 2004	2.414305108	4.586638963	1.321153895	144.6194883	0.156184333	0.025685177	0.09305282
WV0025607	017	2004 to 2005	1.107570369	1.586105631	0.253236185	43.43766595	0.071650074	0.008882191	0.017836182
WV0025607	026	2003 to 2004	247.7839489	707.8447118	214.7100416	12862.32556	16.0294449	3.963930245	15.12267038
WV0025607	026	2004 to 2005	125.0136943	287.179481	186.2684646	6390.879353	8.087287872	1.608205036	13.11944505
WV0025607	032	2003 to 2004	7.050468992	8.428316339	1.672292793	164.4027996	0.456103411	0.04719857	0.117784583
WV0025607	032	2004 to 2005	1.370719675	3.949943676	0.627232672	128.1501235	0.088673522	0.022119684	0.044177873
WV0025615	001	2003 to 2004	28.54990156	24.44044604	19.03326784	708.3403635	1.846927841	0.136866493	1.340569978
WV0025615	001	2004 to 2005	28.54990156	24.44044604	19.03326784	708.3403635	1.846927841	0.136866493	1.340569978
WV0025615	002	2003 to 2004	53.53106682	6.704901207	0.97329211	800.2624012	3.462989793	0.037547445	0.068551874
WV0025615	002	2004 to 2005	53.53106682	6.704901207	0.97329211	800.2624012	3.462989793	0.037547445	0.068551874
WV0025615	003	2003 to 2004	124.5813919	22.06128815	10.38178266	778.6336994	8.059321703	0.123543209	0.731220002
WV0025615	003	2004 to 2005	124.5813919	22.06128815	10.38178266	778.6336994	8.059321703	0.123543209	0.731220002
WV0025615	005	2003 to 2004	0.576765683	2.242176587	1.44912377	103.8178224	0.037311673	0.012556188	0.102066121

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0025615	005	2004 to 2005	9.516633694	4.325742588	1.730297035	1038.178221	0.615642604	0.024224158	0.121869995
WV0025615	008	2003 to 2004	3.7680308	3.80665352	0.483556231	215.5146773	0.243758493	0.021317259	0.034058312
WV0025615	008	2004 to 2005	3.568737593	5.947895989	0.951663358	404.4569272	0.230865974	0.033308216	0.067028497
WV0027031	002	2003 to 2004	549.810743	1794.839113	641.7199894	20864.13846	35.5679254	10.05109868	45.1982581
WV0027031	002	2004 to 2005	549.810743	1794.839113	641.7199894	20864.13846	35.5679254	10.05109868	45.1982581
WV0027031	004	2003 to 2004	17.82205954	65.03753915	3.233492572	1597.280445	1.152930699	0.364210206	0.227744553
WV0027031	004	2004 to 2005	17.82205954	65.03753915	3.233492572	1597.280445	1.152930699	0.364210206	0.227744553
WV0027031	005	2003 to 2004	335.5301712	1729.77606	287.3964531	16074.4602	21.7058547	9.68674559	20.24219174
WV0027031	005	2004 to 2005	335.5301712	1729.77606	287.3964531	16074.4602	21.7058547	9.68674559	20.24219174
WV0027031	006	2003 to 2004	32.32874583	152.1317325	51.04376235	1815.730453	2.091385871	0.851937672	3.595164843
WV0027031	006	2004 to 2005	32.32874583	152.1317325	51.04376235	1815.730453	2.091385871	0.851937672	3.595164843
WV0027871	003	2003 to 2004	17.91127812	22.3816625	3.459242294	561.5354579	1.158702358	0.125337306	0.243644781
WV0027871	003	2004 to 2005	14.15479108	28.40571001	4.421870254	1089.246039	0.915690644	0.15907197	0.311445547
WV0027871	004	2003 to 2004	14.59036919	21.10962362	11.36949365	366.9671671	0.943868721	0.118213888	0.800787442
WV0027871	004	2004 to 2005	2.271014859	3.568737635	2.487301988	67.58972794	0.146914712	0.01998493	0.175188118
WV0027871	005	2003 to 2004	47.84361445	67.01746838	42.66534017	2367.127445	3.095061585	0.37529781	3.005047511
WV0027871	005	2004 to 2005	58.20286657	69.52008995	33.34967284	4448.530593	3.765214199	0.38931249	2.3489172
WV0027871	006	2003 to 2004	153.8053876	568.7044971	716.68996	8620.70966	9.949857512	3.18474507	50.47861735
WV0027871	006	2004 to 2005	216.4403346	355.6391256	461.1872449	11125.26924	14.00178839	1.991579032	32.48279697
WV0027871	008	2003 to 2004	0.692118836	0.865148546	0.432574273	51.90891274	0.044774009	0.004844832	0.0304675
WV0027871	008	2004 to 2005	2.757661012	5.353106635	2.865804549	112.1989526	0.178396443	0.029977396	0.201847185
WV0028452	001	2003 to 2004	84.37451162	221.7619002	379.9218653	4219.852073	5.458289735	1.241866597	26.75903324
WV0028452	001	2004 to 2005	39.4543782	113.3389653	122.7519617	2939.25199	2.552351692	0.634698183	8.645787789
WV0028452	002	2003 to 2004	375.7312989	1109.868402	590.6441127	47835.50336	24.30651452	6.215262831	41.60083135
WV0028452	002	2004 to 2005	266.371123	704.0371556	276.8475317	16101.6758	17.23187179	3.942607931	19.49919965
WV0028452	003	2003 to 2004	3097.32186	3981.846119	1386.13016	31247.5019	200.3695167	22.29833747	97.6292928
WV0028452	003	2004 to 2005	1413.977148	998.2552505	708.9712056	45496.9001	91.47190077	5.590229204	49.9349624
WV0028452	004	2003 to 2004	64.98887652	156.8892796	70.49338425	4191.712235	4.204209433	0.878579935	4.965059884
WV0028452	004	2004 to 2005	23.36576949	50.50980474	60.62798722	1400.684489	1.511560035	0.282854896	4.270210466
WV0028452	006	2003 to 2004	3.803274009	13.57224267	7.122605527	266.2866306	0.246038419	0.076004556	0.501666409
WV0028452	006	2004 to 2005	2.582828855	3.774210484	1.979928454	119.4535821	0.167086339	0.021135578	0.139452283

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0028452	010	2003 to 2004	5.785680886	11.567757	5.490088459	140.766879	0.374282731	0.064779437	0.38668335
WV0028452	010	2004 to 2005	5.785680886	11.567757	5.490088459	140.766879	0.374282731	0.064779437	0.38668335
WV0028452	013	2003 to 2004	4.109455459	3.6768812	8.218910917	21.62871294	0.26584567	0.020590534	0.578882477
WV0028452	013	2004 to 2005	4.109455459	3.6768812	8.218910917	21.62871294	0.26584567	0.020590534	0.578882477
WV0028452	017	2003 to 2004	26.69794303	1023.290477	480.3511938	1842.496016	1.727122393	5.730426467	33.83257121
WV0028452	017	2004 to 2005	14.49369594	654.3226557	304.0898814	910.3722087	0.937614811	3.664206742	21.41795982
WV0029726	001	2003 to 2004	28.06926376	0	172.7533354	0	1.815834798	0	12.16753408
WV0029726	001	2004 to 2005	88.43440194	0	109.3421587	0	5.720928976	0	7.70129526
WV0031607	004	2003 to 2004	0.346059418	0.346059418	0.346059418	34.60594182	0.022387004	0.001937933	0.024374
WV0031607	004	2004 to 2005	0.346059418	0.346059418	0.346059418	34.60594182	0.022387004	0.001937933	0.024374
WV0031607	006	2003 to 2004	9.284897538	26.98452296	6.03008535	123.486435	0.60065131	0.151113323	0.424716946
WV0031607	006	2004 to 2005	9.284897538	26.98452296	6.03008535	123.486435	0.60065131	0.151113323	0.424716946
WV0032115	006	2003 to 2004	61.98699093	28.55801182	70.8439488	487.9978372	4.010013804	0.159924861	4.989751194
WV0032115	006	2004 to 2005	117.8359352	25.50025329	152.6176091	1016.279179	7.62294991	0.142801413	10.74931465
WV0032115	007	2003 to 2004	154.9381896	192.6622689	132.8138167	1194.535816	10.02313985	1.078908667	9.35447433
WV0032115	007	2004 to 2005	379.2549822	206.7885231	118.9308872	3390.300805	24.53446588	1.158015688	8.376658083
WV0032115	013	2003 to 2004	57.41432034	46.95233138	105.682399	377.5111631	3.714202184	0.262933046	7.443527438
WV0032115	013	2004 to 2005	72.50665718	32.91349471	71.8740171	375.9791356	4.690543803	0.184315564	5.062301984
WV0033073	010	2003 to 2004	38.24000168	21.47731274	12.31394769	116.9752936	2.473792315	0.120272947	0.867308164
WV0033073	010	2004 to 2005	38.24000168	21.47731274	12.31394769	116.9752936	2.473792315	0.120272947	0.867308164
WV0033073	011	2003 to 2004	38.24000168	12.92676069	0.377300881	85.67373491	2.473792315	0.072389857	0.026574429
WV0033073	011	2004 to 2005	38.24000168	9.657220478	0.638047052	102.0154317	2.473792315	0.054080433	0.044939562
WV0033073	012	2003 to 2004	38.24000168	17.5389201	3.108635932	204.9320566	2.473792315	0.098217949	0.218950526
WV0033073	012	2004 to 2005	38.24000168	14.06947793	2.7360322	137.0719703	2.473792315	0.078789074	0.192706931
WV0033073	019	2003 to 2004	38.24000168	286.1568948	98.33855209	1299.975817	2.473792315	1.602478554	6.926278333
WV0033073	019	2004 to 2005	38.24000168	166.0593653	136.7504915	1503.392231	2.473792315	0.929932413	9.631746109
WV0036579	001	2003 to 2004	561.4904079	45.37884233	94.28496783	2715.935539	36.32349712	0.254121508	6.640772271
WV0036579	001	2004 to 2005	564.1759762	40.57636755	107.5379628	1724.529417	36.4972298	0.22722765	7.574220347
WV0036587	001	2003 to 2004	93.20009075	44.22088676	20.96412159	1010.257531	6.029227179	0.247636957	1.476565783
WV0036587	001	2004 to 2005	27.11519617	17.91578368	6.14615925	493.1346511	1.754115006	0.100328385	0.432892378
WV0038113	001	2003 to 2004	48.34734748	25.07512241	116.0026114	586.9230747	3.127648687	0.14042068	8.17041086

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0038113	001	2004 to 2005	3.498911388	13.3390567	10.58809094	94.41965694	0.226348832	0.074698715	0.745750912
WV0038113	002	2003 to 2004	28.86622128	19.41786171	350.9713992	594.2403306	1.867390948	0.108740022	24.71996533
WV0038113	002	2004 to 2005	16.47792541	5.321564658	121.1280046	215.4309968	1.065977028	0.029800761	8.531407633
WV0038113	005	2003 to 2004	3.287564473	6.402099237	0.692118836	657.5128947	0.212676543	0.035851754	0.048748
WV0038113	005	2004 to 2005	3.287564473	6.402099237	0.692118836	657.5128947	0.212676543	0.035851754	0.048748
WV0038113	006	2003 to 2004	6.631627863	5.235542431	15.82596989	65.49084218	0.429008069	0.029319037	1.114670391
WV0038113	006	2004 to 2005	1.222022261	0.151400992	5.353106353	0	0.079054106	0.000847846	0.37703529
WV0038121	001	2003 to 2004	20.41322751	22.12738104	10.47219023	1143.528977	1.320556505	0.123913329	0.737587678
WV0038121	001	2004 to 2005	20.41322751	22.12738104	10.47219023	1143.528977	1.320556505	0.123913329	0.737587678
WV0038253	004	2003 to 2004	2.811732682	3.6768812	4.758316847	64.88613882	0.181894406	0.020590534	0.335142487
WV0038253	004	2004 to 2005	2.811732682	3.6768812	4.758316847	64.88613882	0.181894406	0.020590534	0.335142487
WV0038253	006	2003 to 2004	38.24000168	168.7039566	272.521776	1297.722743	2.473792315	0.944742123	19.19452374
WV0038253	006	2004 to 2005	38.24000168	168.7039566	272.521776	1297.722743	2.473792315	0.944742123	19.19452374
WV0038253	007	2003 to 2004	1011.207223	919.4528296	890.7154733	10234.14839	65.41622461	5.148935662	62.73575473
WV0038253	007	2004 to 2005	879.7479126	255.8637474	661.2251586	7758.449491	56.91196202	1.432836934	46.57206551
WV0038253	010	2003 to 2004	833.4264542	676.782131	243.4213473	24994.92871	53.91537056	3.789979798	17.14489351
WV0038253	010	2004 to 2005	385.0874504	828.8614657	159.4213157	37728.93138	24.91177534	4.641624042	11.22852006
WV0038253	016	2003 to 2004	78.45043337	112.3467454	63.13661717	2179.203419	5.075053911	0.629141752	4.446900776
WV0038253	016	2004 to 2005	167.4553977	245.0277614	22.31296708	676.6857575	10.83289326	1.372155415	1.571569005
WV0038253	033	2003 to 2004	1098.63267	1132.953117	353.8825293	43251.15516	71.07188308	6.344537228	24.92500493
WV0038253	033	2004 to 2005	871.632833	1050.526073	177.1045571	53830.81541	56.38698766	5.882945799	12.47400364
WV0038288	002	2003 to 2004	22.4217657	21.18171959	45.78077573	126.8884501	1.450491282	0.118617625	3.224476956
WV0038288	002	2004 to 2005	245.3777463	425.6530758	155.6402215	8066.428427	15.87378473	2.383657139	10.96220629
WV0038288	004	2003 to 2004	762.0192294	2890.226946	2351.102453	22433.30179	49.29595038	16.18527032	165.5951774
WV0038288	004	2004 to 2005	668.6624727	2726.980545	1991.182557	54755.2493	43.25658829	15.27109051	140.2449427
WV0038288	005	2003 to 2004	521.0969862	1292.647275	811.386762	14175.8192	33.71039756	7.238824481	57.14839634
WV0038288	005	2004 to 2005	806.3580898	3222.180848	2165.647017	61674.99695	52.16428516	18.04421211	152.5329964
WV0038288	007	2003 to 2004	304.44577	1041.148576	771.3375888	9943.440502	19.69496699	5.830431819	54.32761329
WV0038288	007	2004 to 2005	969.416934	1095.368149	482.6915958	22373.46186	62.71276003	6.134061415	33.99741272
WV0038288	015	2003 to 2004	3.114534764	3.936425882	5.926267537	30.2801991	0.20148304	0.022043984	0.417404747
WV0038288	015	2004 to 2005	3.114534764	3.936425882	5.926267537	30.2801991	0.20148304	0.022043984	0.417404747

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0038288	201	2003 to 2004	38.24000168	1697.133105	22839.92217	789.2000122	2.473792315	9.503945051	1608.684027
WV0038288	201	2004 to 2005	38.24000168	177.4116859	2501.144437	789.2000122	2.473792315	0.993505406	176.1630831
WV0038288	203	2003 to 2004	38.24000168	12030.53952	920.4099189	789.2000122	2.473792315	67.3710189	64.82722334
WV0038288	203	2004 to 2005	38.24000168	12030.53952	920.4099189	789.2000122	2.473792315	67.3710189	64.82722334
WV0038288	E SUMP	2003 to 2004	38.24000168	27832.92352	732.7894408	789.2000122	2.473792315	155.8643661	51.61255194
WV0038288	E SUMP	2004 to 2005	38.24000168	58735.22205	1166.703257	789.2000122	2.473792315	328.9172317	82.17439975
WV0038288	PUMP	2003 to 2004	38.24000168	551428.8222	14851.57345	789.2000122	2.473792315	3088.001294	1046.040736
WV0038288	PUMP	2004 to 2005	38.24000168	165317.0505	20025.68948	789.2000122	2.473792315	925.7754497	1410.469203
WV0038288	HOLLOW	2003 to 2004	38.24000168	108755.6563	1737.477752	789.2000122	2.473792315	609.0316533	122.3757545
WV0038288	HOLLOW	2004 to 2005	38.24000168	22728.17815	1715.022937	789.2000122	2.473792315	127.2777931	120.7941947
WV0038288	SYPHON	2003 to 2004	21.62871238	24656.73211	287.6618747	789.2000122	1.399187699	138.0776949	20.26088617
WV0038288	SYPHON	2004 to 2005	674.8158728	260582.7447	4464.166543	789.2000122	43.65465922	1459.263319	314.424601
WV0038539	023	2003 to 2004	50.99870333	22.34065818	192.7100336	527.1097705	3.29916812	0.125107681	13.57314402
WV0038539	023	2004 to 2005	76.32412435	67.56900115	204.2949138	531.5256272	4.937500395	0.378386393	14.38910178
WV0038768	004	2003 to 2004	38.24000168	28.76000948	2.805553139	65.96757653	2.473792315	0.161056047	0.197603498
WV0038768	004	2004 to 2005	38.24000168	28.76000948	2.805553139	65.96757653	2.473792315	0.161056047	0.197603498
WV0039471	001	2003 to 2004	500.4591443	1424.88072	310.5707585	15741.19748	32.37531048	7.979331749	21.87442738
WV0039471	001	2004 to 2005	1178.057427	3893.006174	449.5753364	47202.75161	76.20996718	21.8008338	31.66493553
WV0039471	002	2003 to 2004	5.538392671	4.112609754	4.229134491	183.8440649	0.358285355	0.023030614	0.297870591
WV0039471	002	2004 to 2005	37.00564617	15.38684657	3.067221846	1025.587423	2.39394024	0.086166338	0.216033608
WV0039471	003	2003 to 2004	1.060347678	1.41888863	0.631378185	35.46207729	0.06859518	0.007945776	0.044469854
WV0039471	003	2004 to 2005	2.983861204	2.777442166	1.489812787	130.7896379	0.193029609	0.015553676	0.10493197
WV0039471	005	2003 to 2004	24.90050731	243.5172339	192.0080022	968.3355218	1.610844091	1.363696461	13.52369785
WV0039471	005	2004 to 2005	15.25878685	162.6185433	141.7952294	558.811145	0.987109472	0.91066381	9.987062089
WV0039471	006	2003 to 2004	71.59383568	418.8695116	52.05553773	4745.069429	4.63149227	2.345669181	3.666427209
WV0039471	006	2004 to 2005	191.629504	1221.431156	190.9815439	21066.97035	12.39674559	6.840014231	13.45140133
WV0039471	010	2003 to 2004	14.94138517	17.92632805	7.202631828	250.6227121	0.966576372	0.100387433	0.507302901
WV0039471	010	2004 to 2005	16.90824634	34.12812644	15.1108102	632.8385699	1.093815012	0.191117501	1.064299556
WV0039471	011	2003 to 2004	34.95200011	50.35164373	17.12994065	1384.237628	2.26108738	0.281969195	1.206512952
WV0039471	011	2004 to 2005	34.95200011	50.35164373	17.12994065	1384.237628	2.26108738	0.281969195	1.206512952
WV0039535	001	2003 to 2004	82.45466473	94.29878871	18.66317659	725.3429437	5.334092506	0.528073198	1.314503345

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0039535	001	2004 to 2005	82.45466473	94.29878871	18.66317659	725.3429437	5.334092506	0.528073198	1.314503345
WV0039535	007	2003 to 2004	133.4126655	70.33387277	27.27380718	1161.123976	8.630627525	0.393869673	1.92097581
WV0039535	007	2004 to 2005	133.4126655	70.33387277	27.27380718	1161.123976	8.630627525	0.393869673	1.92097581
WV0039535	011	2003 to 2004	39.62758707	92.34703549	34.6275693	532.6070587	2.563556785	0.51714338	2.438923269
WV0039535	011	2004 to 2005	39.62758707	92.34703549	34.6275693	532.6070587	2.563556785	0.51714338	2.438923269
WV0040711	001	2003 to 2004	410.2065647	999.477249	603.8628543	17213.21131	26.53676138	5.597072395	42.53186686
WV0040711	001	2004 to 2005	515.8988869	2260.643951	1115.98394	38035.89519	33.3741262	12.65960567	78.60208653
WV0040711	006	2003 to 2004	274.4683677	462.205594	52.55777292	8226.120525	17.75569239	2.588351234	3.701801136
WV0040711	006	2004 to 2005	259.5445486	605.6039467	17.3029699	8651.484952	16.79025239	3.39138198	1.21869992
WV0040711	007	2003 to 2004	1057.175474	1415.52722	520.855473	58004.60461	68.38996669	7.926952149	36.68540873
WV0040711	007	2004 to 2005	2499.107671	1310.51979	478.6254019	130222.8778	161.6703136	7.338910562	33.71101852
WV0040711	008	2003 to 2004	8.207113631	18.1602543	19.65853426	359.4298907	0.530928159	0.10169742	1.384609362
WV0040711	008	2004 to 2005	9.440933302	13.53236486	16.16025342	271.4403515	0.610745453	0.07578124	1.13821498
WV0040711	010	2003 to 2004	4.214509162	8.707101775	0.964022625	164.3782167	0.272641721	0.048759768	0.067898997
WV0040711	010	2004 to 2005	5.288580821	13.80777057	2.823628504	389.2086963	0.342124723	0.077323512	0.1988766
WV0040711	015	2003 to 2004	82.80192347	346.9245585	138.2795726	2104.473782	5.356557096	1.942777458	9.739443863
WV0040711	015	2004 to 2005	72.40211667	171.9482687	141.0732809	3381.288809	4.68378095	0.962910271	9.936213093
WV0040711	016	2003 to 2004	207.3652914	560.3639256	219.9279694	21502.54604	13.41471281	3.138037871	15.49018464
WV0040711	016	2004 to 2005	128.9071325	419.6691381	50.50304566	23663.61498	8.339159118	2.35014709	3.55708055
WV0040711	018	2003 to 2004	4.466329337	5.666722911	0.573160899	49.74603997	0.288932275	0.031733647	0.040369436
WV0040711	018	2004 to 2005	12.33797911	15.66880089	2.763668852	155.2460951	0.798158868	0.087745282	0.194653463
WV0040711	022	2003 to 2004	3.93642584	6.48861398	0.713747533	142.7495069	0.254652173	0.036336237	0.050271373
WV0040711	022	2004 to 2005	78.3877019	65.28497334	3.341933597	1042.249845	5.070995736	0.365595838	0.235382378
WV0040711	023	2003 to 2004	351.1962326	599.205475	268.0338279	13033.10227	22.71931126	3.35555054	18.87842413
WV0040711	023	2004 to 2005	361.2175411	493.3761856	299.5901219	7709.91541	23.36760188	2.762906541	21.10102829
WV0041122	010	2003 to 2004	109.4052399	118.324201	295.4676872	2557.335782	7.077557981	0.662615502	20.81067289
WV0041122	010	2004 to 2005	110.8561648	105.5571303	277.078232	3303.980546	7.171420077	0.591119908	19.51544857
WV0041122	013	2003 to 2004	217.2063531	564.9275767	676.4217883	4019.335892	14.05134305	3.163594317	47.64240958
WV0041122	013	2004 to 2005	117.669215	389.2862089	368.9137625	5719.956701	7.612164577	2.180002692	25.98369964
WV0041122	025	2003 to 2004	153.18536	178.1268716	50.47600814	5098.95832	9.909747172	0.997510445	3.555176216
WV0041122	025	2004 to 2005	90.70721971	141.7437739	14.45699252	5544.443189	5.867960321	0.793765106	1.018249221

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0041122	026	2003 to 2004	0.778633649	5.709980093	3.114534596	77.86336491	0.050370757	0.031975887	0.219365987
WV0041122	026	2004 to 2005	0.778633649	5.709980093	3.114534596	77.86336491	0.050370757	0.031975887	0.219365987
WV0041149	006	2003 to 2004	147.9923105	490.7963663	997.105336	5215.007271	9.573802491	2.748459554	70.22911094
WV0041149	006	2004 to 2005	147.9923105	654.7327156	997.105336	5528.840014	9.573802491	3.666503077	70.22911094
WV0041734	002	2003 to 2004	29.80829899	52.88416865	9.919714204	1261.740461	1.928335101	0.296151334	0.698675139
WV0041734	002	2004 to 2005	22.02196213	16.96772517	11.05423849	710.4048995	1.424627503	0.095019258	0.778583078
WV0041734	003	2003 to 2004	995.662332	729.7589406	51.72970075	31559.69039	64.41060674	4.086649922	3.643477537
WV0041734	003	2004 to 2005	49.02508229	43.72604784	5.335082507	2645.912541	3.171492176	0.244865859	0.375765817
WV0041734	004	2003 to 2004	242.7678892	345.3582833	20.14264053	4459.480214	15.7049499	1.934006317	1.418706415
WV0041734	004	2004 to 2005	288.7433219	286.8868568	25.44978591	6389.482353	18.67915653	1.606566341	1.792504537
WV0041734	006	2003 to 2004	18.40843816	21.72724394	1.575291282	760.9702246	1.190864244	0.121672562	0.110952476
WV0041734	006	2004 to 2005	41.27028835	43.31149826	5.297682946	1662.436971	2.669825128	0.242544382	0.373131654
WV0041734	007	2003 to 2004	795.2156744	172.8855118	36.98509908	16722.59987	51.44346876	0.968158832	2.604971143
WV0041734	007	2004 to 2005	346.0593981	116.7950469	38.93168229	4325.742476	22.38700319	0.654052239	2.74207482
WV0041734	009	2003 to 2004	1.730297091	0.4758317	0.302801991	30.2801991	0.111935022	0.002664657	0.02132725
WV0041734	009	2004 to 2005	1.730297091	0.4758317	0.302801991	30.2801991	0.111935022	0.002664657	0.02132725
WV0041734	011	2003 to 2004	387.3810736	275.4113866	56.00971654	10620.77975	25.06015261	1.54230371	3.944931849
WV0041734	011	2004 to 2005	424.7639049	179.5483628	49.65592189	12100.06367	27.47849341	1.005470796	3.497415089
WV0041785	001	2003 to 2004	82.38573671	106.3542845	31.40096006	2202.11765	5.329633469	0.595583972	2.21166353
WV0041785	001	2004 to 2005	29.89268427	60.07375153	23.44913013	2165.394705	1.933794088	0.336412997	1.651592367
WV0042544	001	2003 to 2004	20.76356521	16.00524808	73.97019865	519.0891274	1.343220277	0.089629386	5.20994232
WV0042544	001	2004 to 2005	20.76356521	16.00524808	73.97019865	519.0891274	1.343220277	0.089629386	5.20994232
WV0042544	002	2003 to 2004	66.46503698	95.77194372	20.01196724	5760.267201	4.299704047	0.536322866	1.409502704
WV0042544	002	2004 to 2005	66.46503698	95.77194372	20.01196724	5760.267201	4.299704047	0.536322866	1.409502704
WV0042544	003	2003 to 2004	43.1979479	72.28316037	13.69097563	4739.121546	2.794527768	0.404785684	0.96429636
WV0042544	003	2004 to 2005	43.1979479	72.28316037	13.69097563	4739.121546	2.794527768	0.404785684	0.96429636
WV0042544	004	2003 to 2004	56.01836809	936.4872484	554.2598138	2512.535544	3.623896336	5.244328404	39.03817636
WV0042544	004	2004 to 2005	56.01836809	936.4872484	554.2598138	2512.535544	3.623896336	5.244328404	39.03817636
WV0042544	007	2003 to 2004	22.49386146	15.57267332	7.3537624	173.0297035	1.455155245	0.087206967	0.517947479
WV0042544	007	2004 to 2005	22.49386146	15.57267332	7.3537624	173.0297035	1.455155245	0.087206967	0.517947479
WV0042846	008	2003 to 2004	540.3633858	1964.699875	1711.103208	19143.23187	34.95676438	11.00231891	120.5181165

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0042846	008	2004 to 2005	1398.13862	1727.841314	2449.249032	18566.89868	90.44728711	9.675911015	172.5079345
WV0042846	010	2003 to 2004	0	0	0	0	0	0	0
WV0042846	010	2004 to 2005	1.773554557	3.363265046	0.108143568	56.23465651	0.1147334	0.018834284	0.007616875
WV0042846	037	2003 to 2004	99.74531971	3.59352062	39.30477997	501.8762787	6.452645998	0.020123715	2.768353206
WV0042846	037	2004 to 2005	52.67673145	19.39194405	23.36667069	356.6935365	3.407721799	0.108594883	1.645784501
WV0043273	001	2003 to 2004	458.8123142	418.8413383	263.9415503	22940.02591	29.68112641	2.345511411	18.59019278
WV0043273	001	2004 to 2005	1165.088856	1081.300911	367.2749292	32606.78688	75.37101457	6.055284884	25.86827171
WV0043273	004	2003 to 2004	0.648861409	1.124693109	0.078944805	32.44307046	0.041975633	0.006298281	0.005560319
WV0043273	004	2004 to 2005	0.417434173	0.501786156	0.069211884	21.93800424	0.027004324	0.002810002	0.0048748
WV0043273	005	2003 to 2004	147.453757	1774.66588	874.9749667	65414.62915	9.538962805	9.938128571	61.62710377
WV0043273	005	2004 to 2005	1363.64023	1279.097851	321.4193854	46434.33018	88.21554434	7.162947709	22.63852861
WV0043273	006	2003 to 2004	0.34049774	3.363342141	0.561883069	61.87356918	0.022027213	0.018834715	0.039575105
WV0043273	006	2004 to 2005	3.646128036	1.950504456	0.558967074	80.67334558	0.235872455	0.010922825	0.039369723
WV0043273	008	2003 to 2004	6.271025089	406.9967172	75.5985911	1155.836924	0.405680237	2.279181535	5.32463487
WV0043273	008	2004 to 2005	425.6136497	1369.016753	401.0704694	40449.33859	27.53346444	7.666493544	28.24859268
WV0043273	010	2003 to 2004	142.8133121	373.0741461	98.54998108	8252.030162	9.238766785	2.089215144	6.94116991
WV0043273	010	2004 to 2005	73.23932958	132.1212945	99.19883236	1244.435063	4.737941271	0.739879223	6.986870446
WV0043613	GR-DN	2003 to 2004	778.6337102	1103.064423	19.95000076	789.2000122	50.37076134	6.177160547	1.405138254
WV0043613	GR-DN	2004 to 2005	778.6337102	1103.064423	19.95000076	789.2000122	50.37076134	6.177160547	1.405138254
WV0043613	SR-DN	2003 to 2004	1582.140414	1787.613195	19.95000076	789.2000122	102.3505869	10.01063354	1.405138254
WV0043613	SR-DN	2004 to 2005	1582.140414	1787.613195	19.95000076	789.2000122	102.3505869	10.01063354	1.405138254
WV0044024	062	2003 to 2004	45.4202969	52.23334143	4.54202969	681.3044534	2.938294226	0.292506702	0.319908735
WV0044024	062	2004 to 2005	45.4202969	52.23334143	4.54202969	681.3044534	2.938294226	0.292506702	0.319908735
WV0044024	063	2003 to 2004	1.124693109	0.519089127	0.173029709	12.97722818	0.072757765	0.002906899	0.012187
WV0044024	063	2004 to 2005	1.124693109	0.519089127	0.173029709	12.97722818	0.072757765	0.002906899	0.012187
WV0044024	DSCC09	2003 to 2004	325.151658	419.9575222	97.32921019	5839.752611	21.03445606	2.35176204	6.855187365
WV0044024	DSCC09	2004 to 2005	461.4640412	721.6265599	107.3324884	10516.96163	29.85266985	4.041108591	7.559748169
WV0044024	DSGR63	2003 to 2004	194182.5949	307214.2546	57964.95369	789.2000122	12561.90814	1720.399764	4082.64505
WV0044024	DSGR63	2004 to 2005	194182.5949	307214.2546	57964.95369	789.2000122	12561.90814	1720.399764	4082.64505
WV0044024	DSSR12	2003 to 2004	48.44831833	87.41605102	29.8476247	746.1906174	3.134180614	0.489529868	2.102257475
WV0044024	DSSR12	2004 to 2005	67.48158503	112.5864638	25.68409735	3128.052704	4.365465776	0.630484175	1.809007792



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0044024	DSSR62	2003 to 2004	1081.435709	648.8614251	86.51485669	789.2000122	69.95939075	3.633623851	6.093500104
WV0044024	DSSR62	2004 to 2005	1081.435709	648.8614251	86.51485669	789.2000122	69.95939075	3.633623851	6.093500104
WV0044024	USCC09	2003 to 2004	263.0051595	321.7631664	70.29331748	4217.599049	17.01412352	1.801873668	4.950968582
WV0044024	USCC09	2004 to 2005	501.6316591	596.4890147	78.13372583	8191.875116	32.45116189	3.340338363	5.503191991
WV0044024	USGR63	2003 to 2004	191024.8036	271310.5906	55369.50828	789.2000122	12357.62678	1519.339253	3899.840067
WV0044024	USGR63	2004 to 2005	191024.8036	271310.5906	55369.50828	789.2000122	12357.62678	1519.339253	3899.840067
WV0044024	USSR12	2003 to 2004	34.78617983	57.46028048	12.86908449	551.5321926	2.250360264	0.321777559	0.90640811
WV0044024	USSR12	2004 to 2005	61.98428763	106.458329	22.54793354	2909.061995	4.009838925	0.596166621	1.588118395
WV0044024	USSR62	2003 to 2004	363.362368	276.8475185	51.90890971	789.2000122	23.50635334	1.550346048	3.65609976
WV0044024	USSR62	2004 to 2005	363.362368	276.8475185	51.90890971	789.2000122	23.50635334	1.550346048	3.65609976
WV0044172	001	2003 to 2004	110.4686536	91.43087986	60.56850822	1530.366656	7.146351505	0.512012909	4.266021182
WV0044172	001	2004 to 2005	139.9967624	64.80257483	10.48992593	1545.961437	9.056560759	0.362894406	0.738836856
WV0044172	003	2003 to 2004	63.64740432	25.19253539	18.47681978	1014.58327	4.117427965	0.141078193	1.301377677
WV0044172	003	2004 to 2005	147.3005515	120.2691655	16.92897445	5261.635172	9.529051755	0.673507303	1.192358301
WV0044172	004	2003 to 2004	258.8236076	220.8381802	380.8816491	5414.838607	16.74361384	1.236693765	26.82663368
WV0044172	004	2004 to 2005	187.9535178	193.0993491	343.4729788	3322.080211	12.15894157	1.081356317	24.19182915
WV0044172	005	2003 to 2004	378.862964	193.49137	97.92399977	5035.885483	24.50910575	1.083551633	6.897080174
WV0044172	005	2004 to 2005	472.0466715	298.4176696	73.78545533	5559.480614	30.53727307	1.67113889	5.196930296
WV0044172	007	2003 to 2004	65.73584139	91.85251447	21.41242697	775.5438873	4.252531498	0.514374063	1.508141272
WV0044172	007	2004 to 2005	65.73584139	91.85251447	21.41242697	775.5438873	4.252531498	0.514374063	1.508141272
WV0044172	008	2003 to 2004	129.7722743	65.42685495	25.95445486	1405.866305	8.395126195	0.366390375	1.82804988
WV0044172	008	2004 to 2005	109.9459596	117.6782254	27.70277709	1157.586762	7.112537796	0.658998039	1.951189444
WV0044172	009	2003 to 2004	38.23647487	21.64416219	3.931791046	1001.872893	2.473564046	0.121207304	0.276927803
WV0044172	009	2004 to 2005	38.23647487	21.64416219	3.931791046	1001.872893	2.473564046	0.121207304	0.276927803
WV0044172	010	2003 to 2004	349.9919126	188.4991558	38.16484852	5379.159473	22.64140233	1.055595235	2.688064424
WV0044172	010	2004 to 2005	296.6738535	179.635477	26.88719436	1785.72066	19.19219227	1.005958635	1.893745513
WV0044172	014	2003 to 2004	308.5041038	321.2404671	125.0409996	4231.567663	19.95750554	1.798946552	8.80701157
WV0044172	014	2004 to 2005	95.59891455	88.14457898	21.39944927	1846.659598	6.184410007	0.493609625	1.507227213
WV0044172	015	2003 to 2004	17.30297035	12.8690842	10.27363865	86.51485176	1.119350188	0.072066869	0.723603096
WV0044172	015	2004 to 2005	93.95512906	53.32991753	11.12148419	588.0847046	6.078071525	0.298647528	0.783319393
WV0044172	016	2003 to 2004	34.6059407	23.35900998	15.57267332	86.51485176	2.238700376	0.130810451	1.096829956

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0044172	016	2004 to 2005	20.14560147	10.84988951	3.207229202	170.2488714	1.303243451	0.060759379	0.225894745
WV0044172	017	2003 to 2004	145.2728598	120.1790473	18.72686142	2158.815998	9.397877915	0.673002641	1.318988858
WV0044172	017	2004 to 2005	369.1300446	146.1695496	33.01082413	1946.584224	23.87947136	0.818549449	2.325051072
WV0044172	018	2003 to 2004	1.730297091	1.124693109	2.61707435	49.74604137	0.111935022	0.006298281	0.184328374
WV0044172	018	2004 to 2005	1.730297091	1.124693109	2.61707435	49.74604137	0.111935022	0.006298281	0.184328374
WV0044172	019	2003 to 2004	43.25742476	23.79158362	67.04900838	648.8613714	2.798375398	0.133232864	4.72246219
WV0044172	019	2004 to 2005	107.4226094	16.93348018	5.893824381	469.5233198	6.9492992	0.094827486	0.415119678
WV0044172	020	2003 to 2004	59.91153597	51.30794292	16.45790594	855.8790872	3.875750099	0.28732447	1.159179537
WV0044172	020	2004 to 2005	148.2549998	149.2184615	42.06784806	4434.869433	9.590796178	0.835623355	2.962964355
WV0044172	021	2003 to 2004	38.93168385	54.2002035	12.25401786	1054.399764	2.51853796	0.303521129	0.863087127
WV0044172	021	2004 to 2005	119.9410455	139.6477522	60.43750623	1699.328668	7.759132049	0.782027385	4.25679432
WV0044181	001	2003 to 2004	102.2448266	68.64658643	14.96313708	2749.304417	6.61434214	0.38442087	1.053898496
WV0044181	001	2004 to 2005	152.9672756	208.4917904	18.86204088	5589.220154	9.895639028	1.167553984	1.328509951
WV0044181	003	2003 to 2004	249.3200821	44.69278746	13.33115266	1512.535266	16.12881922	0.250279601	0.938952952
WV0044181	003	2004 to 2005	483.0196355	195.1540791	43.58185763	3494.839606	31.24712745	1.092862804	3.069600577
WV0044181	004	2003 to 2004	184.0406885	57.5766188	17.35212703	1078.486307	11.90581589	0.322429054	1.222162203
WV0044181	004	2004 to 2005	109.5260729	91.05039447	11.20583621	6793.254299	7.085374811	0.509882191	0.789260558
WV0044181	005	2003 to 2004	387.1539619	315.8332809	79.07998177	3517.369458	25.04546048	1.76866631	5.569839628
WV0044181	005	2004 to 2005	143.9490006	356.4943675	50.11192653	3605.055921	9.312235852	1.996368387	3.52953286
WV0044181	008	2003 to 2004	145.3449572	130.0426423	188.2346982	2658.168959	9.402541987	0.728238771	13.25793277
WV0044181	008	2004 to 2005	531.3482768	765.6131965	623.9883835	7072.589272	34.37356601	4.287433747	43.94936807
WV0044181	010	2003 to 2004	315.3859697	1032.264769	611.8487824	3915.780301	20.40270181	5.780682499	43.09433966
WV0044181	010	2004 to 2005	173.3959193	1379.674994	711.8402888	3219.13906	11.21719283	7.726179694	50.1370405
WV0044181	017	2003 to 2004	138.871479	64.59090854	19.47557493	1628.209544	8.98376481	0.361709075	1.37172299
WV0044181	017	2004 to 2005	138.871479	64.59090854	19.47557493	1628.209544	8.98376481	0.361709075	1.37172299
WV0044181	019	2003 to 2004	765.5778125	238.8498177	84.20254781	5476.783572	49.52615944	1.337558931	5.930637275
WV0044181	019	2004 to 2005	249.2386564	75.80864022	19.78306321	1964.067412	16.12355169	0.42452837	1.393380309
WV0044181	020	2003 to 2004	423.922768	87.59628581	21.1961384	3471.408398	27.42407925	0.490539183	1.492907421
WV0044181	020	2004 to 2005	198.8111301	123.1034277	35.27282699	3876.045584	12.86133371	0.689379171	2.484370698
WV0044288	001	2003 to 2004	3841.990833	1074.191988	2751.711019	48555.6738	248.5430579	6.015474918	193.8112368
WV0044288	001	2004 to 2005	1613.43717	637.4522702	839.2733997	20519.52122	104.3752121	3.569732586	59.11253563

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0044547	002	2003 to 2004	8.899133762	1.252951315	0.222559454	32.4019742	0.575695782	0.007016527	0.015675528
WV0044547	002	2004 to 2005	8.899133762	1.252951315	0.222559454	32.4019742	0.575695782	0.007016527	0.015675528
WV0044547	003	2003 to 2004	1546.452975	3087.895299	144.3716589	413.649135	100.0419231	17.29221306	10.16852772
WV0044547	003	2004 to 2005	1546.452975	3087.895299	144.3716589	413.649135	100.0419231	17.29221306	10.16852772
WV0044750	001	2003 to 2004	661.3880302	204.0308628	298.5258119	3727.798887	42.78599576	1.142572791	21.02606576
WV0044750	001	2004 to 2005	239.8173674	62.56105262	154.6858531	2020.392143	15.51407706	0.350341882	10.89498727
WV0044750	002	2003 to 2004	95.45472123	137.0539429	14.45518997	1907.472273	6.175081966	0.767502053	1.018122262
WV0044750	002	2004 to 2005	49.16927444	28.27954257	27.8830158	1360.806536	3.180820141	0.158365433	1.963884195
WV0045608	001	2003 to 2004	290.8275473	231.5924003	86.60431684	2941.111748	18.81398761	1.296917395	6.099801051
WV0045608	001	2004 to 2005	183.2673008	141.1363689	204.8833975	2752.794566	11.8557845	0.790363638	14.43055045
WV0045608	002	2003 to 2004	95.16633694	123.716238	6.921188141	7786.336659	6.156426035	0.692810908	0.487479981
WV0045608	002	2004 to 2005	95.16633694	123.716238	6.921188141	7786.336659	6.156426035	0.692810908	0.487479981
WV0045608	010	2003 to 2004	86.51484952	12.97722743	4.325742476	865.1484952	5.596750796	0.072672471	0.30467498
WV0045608	010	2004 to 2005	99.49208232	21.14206749	9.138131406	2011.470345	6.436263763	0.118395574	0.643625925
WV0046027	001	2003 to 2004	297.5042147	5.268484181	231.5558339	1185.113818	19.24590934	0.02950351	16.30916992
WV0046027	001	2004 to 2005	78.79733405	2.3565466	35.65001772	1201.819114	5.097495338	0.01319666	2.51093737
WV0046141	002	2003 to 2004	24.51975053	25.84631196	7.461905867	859.7413499	1.586212472	0.144739342	0.525564347
WV0046141	002	2004 to 2005	24.51975053	25.84631196	7.461905867	859.7413499	1.586212472	0.144739342	0.525564347
WV0046141	004	2003 to 2004	90.66833993	42.89591863	9.390466451	860.204838	5.86544514	0.240217136	0.661398637
WV0046141	004	2004 to 2005	90.66833993	42.89591863	9.390466451	860.204838	5.86544514	0.240217136	0.661398637
WV0046141	005	2003 to 2004	692.1187962	390.8898201	1318.171707	17774.86908	44.77400637	2.188982915	92.84277572
WV0046141	005	2004 to 2005	465.2200895	465.296695	773.2805508	10820.66469	30.09565318	2.605661399	54.46446191
WV0046141	008	2003 to 2004	5.190891134	0.519089116	0.259544557	38.93168339	0.335805058	0.002906899	0.018280499
WV0046141	008	2004 to 2005	1.170113408	0.317365325	0.145344956	15.88989495	0.075696059	0.001777246	0.01023708
WV0046141	012	2003 to 2004	33.9570794	9.482388245	1.69785397	342.2743832	2.19672475	0.053101372	0.119584933
WV0046141	012	2004 to 2005	20.2534875	5.682043208	1.263477329	285.589133	1.31022273	0.031819441	0.088990487
WV0046141	013	2003 to 2004	16.43782185	4.81328983	6.291251879	267.8355622	1.06338268	0.026954422	0.443111686
WV0046141	013	2004 to 2005	61.21417258	31.4992707	10.57840684	670.490093	3.960019246	0.17639591	0.745068832
WV0046329	009	2003 to 2004	23.9646152	41.92726231	17.77880298	1757.333026	1.550300093	0.234792661	1.252214267
WV0046329	009	2004 to 2005	23.9646152	41.92726231	17.77880298	1757.333026	1.550300093	0.234792661	1.252214267
WV0046329	010	2003 to 2004	28.1245367	320.419556	19.88219458	849.1587286	1.819410471	1.79434945	1.400362428

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0046329	010	2004 to 2005	20.54727773	4.715059501	8.427087602	474.4412834	1.329228377	0.026404332	0.593544983
WV0046329	012	2003 to 2004	13.84237662	19.35769859	16.27560711	443.3886265	0.895480172	0.108403108	1.146339686
WV0046329	012	2004 to 2005	20.6708702	5.368246529	45.98805174	352.4398827	1.337223724	0.030062179	3.239076025
WV0046329	016	2003 to 2004	9.970836775	4.599706306	18.89628597	172.6692274	0.645025553	0.025758354	1.330921935
WV0046329	016	2004 to 2005	9.970836775	4.599706306	18.89628597	172.6692274	0.645025553	0.025758354	1.330921935
WV0046329	017	2003 to 2004	129.2859215	69.40610801	443.6203359	15589.35082	8.363663443	0.388674191	31.24550704
WV0046329	017	2004 to 2005	129.2859215	69.40610801	443.6203359	15589.35082	8.363663443	0.388674191	31.24550704
WV0046329	018	2003 to 2004	15.51860163	6.758972843	24.92709194	417.7045171	1.003917206	0.037850247	1.755689637
WV0046329	018	2004 to 2005	15.51860163	6.758972843	24.92709194	417.7045171	1.003917206	0.037850247	1.755689637
WV0046469	001	2003 to 2004	454.3327511	347.9509379	190.5882883	15247.84943	29.39133802	1.948525183	13.42370315
WV0046469	001	2004 to 2005	1605.164143	502.4566385	435.0651738	22162.22161	103.8400199	2.813757075	30.64294138
WV0046469	003	2003 to 2004	238.4585315	80.88745615	75.44095126	7231.068859	15.42617231	0.452969738	5.313531825
WV0046469	003	2004 to 2005	2405.473456	1206.236975	1091.84992	62491.12208	155.6130023	6.754926819	76.90225533
WV0046469	004	2003 to 2004	640.0919493	649.1917406	1949.395958	10154.09118	41.40832639	3.635473618	137.3017876
WV0046469	004	2004 to 2005	4395.098613	7163.408102	19719.88525	132355.1054	284.3242727	40.11508394	1388.930496
WV0046469	005	2003 to 2004	416.4156582	407.8821429	62.22777296	9565.790012	26.93843519	2.284139919	4.38288816
WV0046469	005	2004 to 2005	486.8371021	229.8915941	87.72966607	23399.02343	31.49408401	1.287392881	6.179062762
WV0046612	001	2003 to 2004	38.24000168	432.5742834	91.92203523	2162.871417	2.473792315	2.422415901	6.474343861
WV0046612	001	2004 to 2005	38.24000168	432.5742834	91.92203523	2162.871417	2.473792315	2.422415901	6.474343861
WV0046612	002	2003 to 2004	57.05654562	103.876812	85.33510482	1210.028177	3.691057303	0.581710126	6.010406652
WV0046612	002	2004 to 2005	86.89696058	137.8397912	149.0939319	2130.067787	5.621470025	0.771902803	10.50113153
WV0046612	003	2003 to 2004	240.2430941	336.8927676	66.02263037	6350.19035	15.54161783	1.886599431	4.650171317
WV0046612	003	2004 to 2005	138.5164617	117.7096386	51.75442196	2604.097125	8.960798309	0.659173953	3.645218726
WV0046612	004	2003 to 2004	757.6882385	1034.695154	503.708893	11729.53537	49.01577331	5.794292653	35.47772382
WV0046612	004	2004 to 2005	405.0301006	714.2504026	303.515732	16792.53293	26.20188963	3.999802112	21.37752076
WV0046612	006	2003 to 2004	21.6431321	52.34148564	46.29986484	510.0771492	1.400120528	0.293112309	3.261037954
WV0046612	006	2004 to 2005	5.835820116	21.64444344	23.52024271	235.9495992	0.377526298	0.121208879	1.656601038
WV0046655	017	2003 to 2004	4.527106025	8.198580145	0	75.39769505	0.292863993	0.045912047	0
WV0046655	017	2004 to 2005	7.526792081	14.03703465	0	121.8417487	0.48691733	0.078607391	0
WV0046655	022	2003 to 2004	6.856302126	14.00754134	1.459938175	95.36296357	0.44354252	0.078442229	0.102827812
WV0046655	022	2004 to 2005	4.361790354	9.401280331	1.459938175	116.4345684	0.282169521	0.052647168	0.102827812

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0046701	001	2003 to 2004	677.4506244	297.8942319	248.9740162	25003.97227	43.8251045	1.668207639	17.53598459
WV0046701	001	2004 to 2005	1161.645734	243.5357044	300.9635438	39305.49969	75.14827483	1.363799896	21.19776251
WV0046701	002	2003 to 2004	3972.085719	1352.604682	1326.445747	75920.71726	256.9590542	7.574585949	93.42554105
WV0046701	002	2004 to 2005	3940.111327	1022.177315	1897.975805	109185.6373	254.8905919	5.724192762	133.6801124
WV0047074	005	2003 to 2004	196.3887175	78.81503155	9.819435874	3458.431269	12.70462489	0.441364161	0.691612236
WV0047074	005	2004 to 2005	196.3887175	78.81503155	9.819435874	3458.431269	12.70462489	0.441364161	0.691612236
WV0047074	011	2003 to 2004	68.20254095	36.08750733	3.622809397	797.1983085	4.412105292	0.202090034	0.255165301
WV0047074	011	2004 to 2005	68.20254095	36.08750733	3.622809397	797.1983085	4.412105292	0.202090034	0.255165301
WV0047198	001	2003 to 2004	13.4539609	25.96211595	7.295184725	1000.327995	0.870353087	0.145387844	0.513821679
WV0047198	001	2004 to 2005	37.27691134	52.10556644	14.87068293	1138.860864	2.411488714	0.291791162	1.047386674
WV0047198	002	2003 to 2004	24.88383429	33.94410216	11.612456	382.8282199	1.609765493	0.190086965	0.817900007
WV0047198	002	2004 to 2005	24.88383429	33.94410216	11.612456	382.8282199	1.609765493	0.190086965	0.817900007
WV0047716	001	2003 to 2004	0	0	2327.249452	2162.871238	0	0	163.9151392
WV0047716	001	2004 to 2005	0	0	2327.249452	2162.871238	0	0	163.9151392
WV0047716	002	2003 to 2004	20.85219776	55.68355965	21.05603413	977.1330812	1.348954024	0.311827923	1.483039458
WV0047716	002	2004 to 2005	13.26020398	73.31052513	51.10504556	721.8583125	0.857818716	0.410538926	3.599481203
WV0047759	002	2003 to 2004	16.26046661	32.83022379	31.13236982	103.3852497	1.051909354	0.183849247	2.192745917
WV0047759	002	2004 to 2005	8.948781725	14.0397876	19.06541573	115.2171382	0.578907569	0.078622808	1.342834251
WV0047759	003	2003 to 2004	1.01654951	20.20662516	4.693430723	38.39096645	0.065761824	0.113157097	0.330572363
WV0047759	003	2004 to 2005	5.505859331	44.70474819	9.380553254	134.86404	0.356180734	0.250346581	0.660700421
WV0047759	005	2003 to 2004	20.33099089	36.5957836	24.39718907	0	1.315236518	0.204936381	1.718366993
WV0047759	005	2004 to 2005	20.33099089	36.5957836	24.39718907	0	1.315236518	0.204936381	1.718366993
WV0047759	006	2003 to 2004	19.03326722	42.65722874	31.68065708	145.1827371	1.231285196	0.238880472	2.231363429
WV0047759	006	2004 to 2005	10.84139213	27.61085392	20.28412763	641.5166258	0.701342837	0.154620776	1.428671775
WV0047759	007	2003 to 2004	136.4140972	724.931384	324.9173445	1475.258495	8.824793793	4.059615606	22.88490033
WV0047759	007	2004 to 2005	178.7468981	1709.347865	1106.05005	11880.4267	11.56335415	9.572347703	77.90241297
WV0047759	DSDC	2003 to 2004	1645.550741	2632.881186	548.5169138	0	106.452678	14.74413412	38.63368674
WV0047759	DSDC	2004 to 2005	1645.550741	2632.881186	548.5169138	0	106.452678	14.74413412	38.63368674
WV0047759	USDC	2003 to 2004	990.2429202	1980.48584	495.1214601	0	64.0600184	11.09072031	34.87288524
WV0047759	USDC	2004 to 2005	990.2429202	1980.48584	495.1214601	0	64.0600184	11.09072031	34.87288524
WV0047988	013	2003 to 2004	33.6686973	263.9829552	156.4026348	915.6155415	2.178068961	1.478304496	11.01590534

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0047988	013	2004 to 2005	60.82174379	428.9334307	181.4018199	3301.532952	3.93463255	2.402027126	12.77667271
WV0047988	020	2003 to 2004	8.885468656	14.79502293	3.925611531	256.5951916	0.57481177	0.082852125	0.276492561
WV0047988	020	2004 to 2005	80.58750332	90.88169124	6.109030025	1530.123307	5.213303564	0.508937453	0.430277255
WV0047988	039	2003 to 2004	150.315052	462.2416516	413.563528	2942.85681	9.724063462	2.588553157	29.12851616
WV0047988	039	2004 to 2005	184.9885823	564.6445963	379.3288806	3374.529862	11.96713629	3.162009626	26.71726755
WV0048097	001	2003 to 2004	7.456499124	10.00147781	4.689826132	91.33625625	0.482369994	0.056008274	0.330318481
WV0048097	001	2004 to 2005	5.399608333	7.651157403	2.840931536	23.89972855	0.349307228	0.04284648	0.200095305
WV0048097	002	2003 to 2004	346.6532217	371.6815767	295.2545508	19219.07812	22.42541835	2.081416755	20.79566106
WV0048097	002	2004 to 2005	285.5147424	206.5217655	269.6815414	6889.33511	18.4702958	1.156521846	18.99447752
WV0048101	003	2003 to 2004	9.219730529	17.95625597	3.74520831	3245.21024	0.596435577	0.10055503	0.263786222
WV0048101	003	2004 to 2005	11.57406525	13.56390685	3.643537019	619.9104671	0.748740352	0.075957876	0.256625209
WV0048101	005	2003 to 2004	79.69955543	66.06513012	9.718051218	3625.155399	5.155861136	0.369964715	0.684471412
WV0048101	005	2004 to 2005	14.85689825	27.68204953	3.53967409	1123.00336	0.96111081	0.155019472	0.249309833
WV0048101	006	2003 to 2004	1.093872176	1.99849309	0.201958108	62.11496017	0.070763921	0.011191561	0.014224514
WV0048101	006	2004 to 2005	0.533808647	0.900295171	0.161614548	25.26353807	0.03453273	0.005041653	0.011382996
WV0048101	007	2003 to 2004	13.59055642	36.08905287	3.649845397	1702.952169	0.879189618	0.202098689	0.257069527
WV0048101	007	2004 to 2005	38.95691863	84.20418847	9.242670443	2987.646334	2.520170428	0.471543439	0.650988922
WV0048101	008	2003 to 2004	21.65890305	72.01820765	11.7966606	2171.646737	1.40114077	0.403301948	0.830874087
WV0048101	008	2004 to 2005	6.447322877	23.82206153	6.65771124	514.6650598	0.417085155	0.13340354	0.468922514
WV0048101	009	2003 to 2004	0.129772282	0.486646057	0.627232696	10.81435682	0.008395127	0.002725218	0.044177875
WV0048101	009	2004 to 2005	0.173029709	0.432574273	0.281173277	12.97722818	0.011193502	0.002422416	0.019803875
WV0048526	003	2003 to 2004	21.53859355	86.40370544	179.2299372	805.0687619	1.393357803	0.483860733	12.62370052
WV0048526	003	2004 to 2005	42.70737021	98.27939924	138.2762975	1938.515228	2.7627917	0.550364616	9.739213186
WV0048526	006	2003 to 2004	21.17511127	54.6419409	54.10963404	674.0948999	1.369843692	0.305994858	3.811103356
WV0048526	006	2004 to 2005	22.38842149	53.37831187	41.87724349	1013.591786	1.448334205	0.298918536	2.949539505
WV0048526	008	2003 to 2004	18.13507475	65.56383772	42.21143684	444.5902092	1.173180033	0.367157478	2.973077742
WV0048526	008	2004 to 2005	17.53683069	44.58804187	28.21555691	488.8251282	1.134478898	0.249693026	1.98730606
WV0048526	009	2003 to 2004	16.10137507	31.95522203	72.97708004	496.8596067	1.041617528	0.178949237	5.139994006
WV0048526	009	2004 to 2005	30.30858668	76.78283428	109.961281	1338.341974	1.96069932	0.429983857	7.744901889
WV0048577	001	2003 to 2004	131.5832316	204.6842268	195.9795701	2349.768149	8.512279228	1.146231629	13.80342726
WV0048577	001	2004 to 2005	29.80256447	127.2579413	111.9736504	1127.847286	1.927964128	0.712644446	7.88663909

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0048577	002	2003 to 2004	0.218450004	0.413108419	0.233590102	10.59806975	0.014131796	0.002313407	0.01645245
WV0048577	002	2004 to 2005	0.218450004	0.413108419	0.233590102	10.59806975	0.014131796	0.002313407	0.01645245
WV0048593	003	2003 to 2004	89.39868053	28.27954242	5.353106478	656.0709601	5.78330933	0.158365432	0.377035299
WV0048593	003	2004 to 2005	258.8455972	199.7213443	31.24628178	4372.064227	16.74503637	1.118439488	2.200769077
WV0048593	007	2003 to 2004	1441.91423	1487.334529	1470.031558	21556.61772	93.27918457	8.329073066	103.5387192
WV0048593	007	2004 to 2005	397.7442063	408.9160692	336.7725929	7954.139724	25.73055627	2.289929906	23.71990094
WV0048593	008	2003 to 2004	123.2836646	76.48453661	15.14009923	2298.050752	7.975370146	0.42831339	1.066362469
WV0048593	008	2004 to 2005	30.34046372	30.12781431	7.975096391	1712.699137	1.962761485	0.168715754	0.561709891
WV0048593	009	2003 to 2004	1499.590773	1663.968991	1616.385823	20691.46886	97.01035023	9.318226015	113.8468878
WV0048593	009	2004 to 2005	369.0963404	419.9737445	368.4208033	6068.56647	23.87729099	2.351852885	25.94897905
WV0048739	004	2003 to 2004	75.72645137	1171.348741	44.34480994	3634.795388	4.898836204	6.559552718	3.12333759
WV0048739	004	2004 to 2005	224.5162251	1171.998774	37.80599944	6574.180187	14.52422756	6.563192899	2.662789611
WV0048887	002	2003 to 2004	3.431755787	2.90113137	0.641651818	51.9089111	0.222004454	0.016246335	0.045193457
WV0048887	002	2004 to 2005	3.884787227	6.294496222	0.955448401	151.9417092	0.251311609	0.035249178	0.067295088
WV0048909	001	2003 to 2004	63.89121815	240.8573468	36.42275249	2041.750524	4.133200578	1.348801094	2.565363391
WV0048909	001	2004 to 2005	63.89121815	240.8573468	36.42275249	2041.750524	4.133200578	1.348801094	2.565363391
WV0048976	003	2003 to 2004	20.82574714	22.7470978	10.55931793	272.9723821	1.347242901	0.127383743	0.743724342
WV0048976	003	2004 to 2005	20.82574714	22.7470978	10.55931793	272.9723821	1.347242901	0.127383743	0.743724342
WV0049239	001	2003 to 2004	58.61381303	50.58956005	11.64706213	677.5194368	3.791798825	0.283301526	0.82033742
WV0049239	001	2004 to 2005	23.16002652	19.49179671	2.794429795	606.9017041	1.498250273	0.109154058	0.196820048
WV0049239	002	2003 to 2004	34.38965383	34.06522345	7.580863975	603.4411011	2.224708515	0.190765245	0.533942923
WV0049239	002	2004 to 2005	20.33099054	13.81353824	4.960184934	625.7907715	1.315236496	0.077355811	0.34936066
WV0049239	003	2003 to 2004	6.888745079	9.749142374	2.119613861	175.1925758	0.445641294	0.054595195	0.149290744
WV0049239	003	2004 to 2005	12.418814	16.55579698	2.040964042	449.4839883	0.803388176	0.09271246	0.143751202
WV0049671	011	2003 to 2004	39.94552914	5.731609111	3.6768812	194.6584207	2.584124844	0.03209701	0.25897374
WV0049671	011	2004 to 2005	39.94552914	22.07330312	3.6768812	988.3120193	2.584124844	0.123610493	0.25897374
WV0049671	024	2003 to 2004	53.93660433	5.19089105	4.947568187	421.7598981	3.489224507	0.029068989	0.348472025
WV0049671	024	2004 to 2005	53.93660433	9.817032639	4.947568187	638.0470481	3.489224507	0.054975381	0.348472025
WV0049671	025	2003 to 2004	1.889808815	2.692774745	0.178436883	45.42029655	0.12225403	0.015079538	0.012567843
WV0049671	025	2004 to 2005	1.889808815	0.581572062	0.178436883	25.23349866	0.12225403	0.003256803	0.012567843
WV0049671	026	2003 to 2004	7.553828039	1.838440659	0.757004956	64.88614092	0.488666319	0.010295267	0.053318123

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0049671	026	2004 to 2005	7.553828039	2.215741502	0.757004956	107.4226086	0.488666319	0.012408152	0.053318123
WV0049671	042	2003 to 2004	34.76815667	82.95332529	12.10126519	576.9459312	2.249194325	0.464538605	0.8523283
WV0049671	042	2004 to 2005	34.76815667	33.03785953	6.542685779	540.7178319	2.249194325	0.185012007	0.460820927
WV0049671	047	2003 to 2004	9.44904423	4.477143594	0.924627505	97.32920823	0.611270159	0.025072003	0.065124281
WV0049671	047	2004 to 2005	9.44904423	2.775684897	0.924627505	138.9044405	0.611270159	0.015543835	0.065124281
WV0049671	059	2003 to 2004	7.121253836	2.400787162	0.619121919	103.8178234	0.460682568	0.013444408	0.043606608
WV0049671	059	2004 to 2005	7.121253836	1.86006934	0.619121919	107.6629283	0.460682568	0.010416388	0.043606608
WV0049671	DSGR24	2003 to 2004	89061.63386	72012.80048	17876.13149	1167950.505	5761.505371	403.2716683	1259.069405
WV0049671	DSGR24	2004 to 2005	89061.63386	72012.80048	17876.13149	1167950.505	5761.505371	403.2716683	1259.069405
WV0049671	DSSR11	2003 to 2004	744.0277469	616.8238725	85.70377717	8597.413776	48.1320595	3.454213563	6.036373348
WV0049671	DSSR11	2004 to 2005	744.0277469	616.8238725	85.70377717	8597.413776	48.1320595	3.454213563	6.036373348
WV0049671	DSUTGR	2003 to 2004	8.375719304	1.889808839	0.732672664	145.9938186	0.541835465	0.010582929	0.051604327
WV0049671	DSUTGR	2004 to 2005	8.375719304	1.889808839	0.732672664	145.9938186	0.541835465	0.010582929	0.051604327
WV0049671	USGR24	2003 to 2004	78382.45729	68187.22315	16416.1935	1135507.449	5070.656456	381.848436	1156.241606
WV0049671	USGR24	2004 to 2005	78382.45729	68187.22315	16416.1935	1135507.449	5070.656456	381.848436	1156.241606
WV0049671	USSR36	2003 to 2004	200.1331868	149.1570134	25.25152267	1914.141099	12.94685917	0.835279245	1.778540264
WV0049671	USSR36	2004 to 2005	200.1331868	149.1570134	25.25152267	1914.141099	12.94685917	0.835279245	1.778540264
WV0049671	USSR42	2003 to 2004	536.527274	441.9016518	73.53762545	10219.56734	34.70860164	2.474649162	5.179474896
WV0049671	USSR42	2004 to 2005	536.527274	441.9016518	73.53762545	10219.56734	34.70860164	2.474649162	5.179474896
WV0049751	001	2003 to 2004	110.6669137	284.7780525	200.2818826	2099.787525	7.159177193	1.594757037	14.106452
WV0049751	001	2004 to 2005	198.5335619	331.2797865	200.2818826	2708.09511	12.84337749	1.855166738	14.106452
WV0049751	003	2003 to 2004	37.85024667	24.87301924	8.651485176	757.0049333	2.448578473	0.139288903	0.609349976
WV0049751	003	2004 to 2005	16.0268763	13.45305946	8.651485176	315.7792094	1.036798113	0.07533713	0.609349976
WV0049751	004	2003 to 2004	1.962651248	1.339249931	0.221766403	33.76551147	0.126966295	0.007499799	0.015619671
WV0049751	004	2004 to 2005	2.15914035	1.15756872	0.221766403	26.84123285	0.139677414	0.006482385	0.015619671
WV0049751	005	2003 to 2004	131.1186639	67.8582838	8.683928241	2348.697969	8.482225778	0.380006376	0.611635038
WV0049751	005	2004 to 2005	75.62839954	62.00231063	8.683928241	1439.210613	4.892493111	0.347212927	0.611635038
WV0049751	007	2003 to 2004	96.82453799	42.55449255	21.97477302	1584.303218	6.263697078	0.23830515	1.547748986
WV0049751	007	2004 to 2005	127.6995298	67.67984986	21.97477302	2139.890857	8.261037831	0.379007146	1.547748986
WV0049751	008	2003 to 2004	44.33886038	11.17483473	10.81435619	648.8613714	2.868334783	0.062579072	0.76168745
WV0049751	008	2004 to 2005	44.33886038	11.17483473	10.81435619	648.8613714	2.868334783	0.062579072	0.76168745



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0049751	010	2003 to 2004	87.055568	792.8725538	444.5782013	1514.009882	5.631730532	4.440086143	31.31297235
WV0049751	010	2004 to 2005	173.4803033	1376.036762	444.5782013	2608.963543	11.22265173	7.705805595	31.31297235
WV0049751	011	2003 to 2004	61.54269997	26.25996086	40.6025027	1079.002409	3.981272082	0.147055776	2.859755699
WV0049751	011	2004 to 2005	290.4276625	156.3846114	40.6025027	4095.126554	18.78811857	0.875753793	2.859755699
WV0049751	018	2003 to 2004	4.585287292	4.628544719	0.281173277	38.93168455	0.296627809	0.02591985	0.019803875
WV0049751	018	2004 to 2005	4.585287292	4.628544719	0.281173277	38.93168455	0.296627809	0.02591985	0.019803875
WV0050318	011	2003 to 2004	29.45229959	54.83479623	7.515977851	1181.168075	1.905305067	0.307074848	0.529372799
WV0050318	011	2004 to 2005	29.45229959	54.83479623	7.515977851	1181.168075	1.905305067	0.307074848	0.529372799
WV0050318	012	2003 to 2004	14.00134748	30.77657765	5.425562689	451.4993861	0.90576419	0.172348829	0.382138607
WV0050318	012	2004 to 2005	16.67213308	29.7430856	13.77749055	1239.59563	1.078540558	0.166561273	0.970389865
WV0050318	013	2003 to 2004	5.998723599	14.92056773	2.407275777	337.4079199	0.388064723	0.083555176	0.169551633
WV0050318	013	2004 to 2005	11.81572645	34.82293569	9.860176267	878.6173137	0.764373709	0.195008433	0.694481704
WV0050318	014	2003 to 2004	1.112436838	6.542685876	5.050304635	74.97954062	0.071964892	0.03663904	0.35570806
WV0050318	014	2004 to 2005	1.112436838	6.542685876	5.050304635	74.97954062	0.071964892	0.03663904	0.35570806
WV0050318	022	2003 to 2004	72.95365015	174.4139449	197.7340224	2726.299308	4.719460322	0.976718056	13.92699858
WV0050318	022	2004 to 2005	77.44701687	159.6577576	93.7929162	4360.889428	5.010141678	0.894083411	6.606115603
WV0050318	026	2003 to 2004	139.128861	2103.287678	218.5743682	19609.99732	9.000415167	11.77841058	15.39484646
WV0050318	026	2004 to 2005	79.3676454	1452.872551	131.3643534	13439.28951	5.134389472	8.136085995	9.25238429
WV0050318	109	2003 to 2004	135.038871	1003.242468	262.280594	13131.33244	8.735828741	5.618157618	18.47320666
WV0050318	109	2004 to 2005	84.66740017	1359.659311	336.438238	5370.679811	5.477237052	7.614091868	23.69635132
WV0050521	020	2003 to 2004	15.06800353	8.622647064	3.152384881	272.5217884	0.974767467	0.048286822	0.222031895
WV0050521	020	2004 to 2005	16.26839688	11.10093712	3.152384881	253.59666	1.052422373	0.062165246	0.222031895
WV0050521	028	2003 to 2004	1093.233173	3128.593463	723.3821662	18669.51256	70.72258307	17.52012277	50.94996945
WV0050521	028	2004 to 2005	1064.132714	2512.715815	636.9656177	19736.20123	68.84003897	14.07120806	44.86339348
WV0050521	029	2003 to 2004	51.66558996	32.60528448	8.867772641	632.6398472	3.342309827	0.182589587	0.624583749
WV0050521	029	2004 to 2005	51.66558996	37.57388223	8.867772641	857.9389811	3.342309827	0.210413733	0.624583749
WV0050521	030	2003 to 2004	42.01647846	3.46059407	6.74275124	162.2153471	2.718097073	0.019379326	0.474912136
WV0050521	030	2004 to 2005	42.01647846	16.36812923	6.74275124	827.0579475	2.718097073	0.09166152	0.474912136
WV0050521	032	2003 to 2004	33.1324851	2.811732752	4.528511837	210.8799575	2.143380742	0.015745703	0.318956632
WV0050521	032	2004 to 2005	33.1324851	9.468569968	4.528511837	439.183036	2.143380742	0.05302399	0.318956632
WV0050521	037	2003 to 2004	46.82978723	65.09166663	22.8852875	1037.301665	3.029475869	0.36451332	1.611879243

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0050521	037	2004 to 2005	46.82978723	65.09166663	22.8852875	1037.301665	3.029475869	0.36451332	1.611879243
WV0050521	038	2003 to 2004	182.2219156	192.4955557	28.38768696	1973.620145	11.78815726	1.077975074	1.999429694
WV0050521	038	2004 to 2005	34.11328699	14.47922179	3.821072672	576.7656821	2.206830009	0.081083639	0.269129576
WV0050521	045	2003 to 2004	2.170982083	1.989841655	0.519089127	12.97722818	0.14044347	0.011143113	0.036561
WV0050521	045	2004 to 2005	2.170982083	1.307335558	0.552733781	31.12131514	0.14044347	0.007321079	0.038930693
WV0050521	052	2003 to 2004	2.917172656	0.346059418	0.354170178	25.95445637	0.188715446	0.001937933	0.024945265
WV0050521	052	2004 to 2005	2.917172656	1.033371848	0.354170178	43.13726646	0.188715446	0.005786882	0.024945265
WV0050521	063	2003 to 2004	1415.328982	2577.602008	638.8581442	19384.73505	91.55935255	14.43457073	44.99668979
WV0050521	063	2004 to 2005	1415.328982	2577.602008	638.8581442	19384.73505	91.55935255	14.43457073	44.99668979
WV0050521	DSBC45	2003 to 2004	38847.6927	33691.58795	7389.630227	376555.8851	2513.10447	188.6728858	520.4737577
WV0050521	DSBC45	2004 to 2005	38847.6927	33691.58795	7389.630227	376555.8851	2513.10447	188.6728858	520.4737577
WV0050521	DSGR38	2003 to 2004	121185.6815	110795.7886	21731.45002	1403703.502	7839.649065	620.4563942	1530.611019
WV0050521	DSGR38	2004 to 2005	121185.6815	110795.7886	21731.45002	1403703.502	7839.649065	620.4563942	1530.611019
WV0050521	DSGR52	2003 to 2004	103325.7712	84560.15941	18884.57049	923546.0543	6684.269756	473.5368758	1330.096779
WV0050521	DSGR52	2004 to 2005	103325.7712	84560.15941	18884.57049	923546.0543	6684.269756	473.5368758	1330.096779
WV0050521	DSL37	2003 to 2004	61.03352618	80.86435319	26.34647683	470.4245211	3.948333011	0.452840362	1.85566116
WV0050521	DSL37	2004 to 2005	61.03352618	80.86435319	26.34647683	470.4245211	3.948333011	0.452840362	1.85566116
WV0050521	DSPC32	2003 to 2004	6270.704655	7417.837506	1807.890055	116326.4309	405.6595078	41.53988855	127.3351036
WV0050521	DSPC32	2004 to 2005	6270.704655	7417.837506	1807.890055	116326.4309	405.6595078	41.53988855	127.3351036
WV0050521	USBC28	2003 to 2004	33419.06635	31848.28101	6318.288003	317942.0919	2161.920032	178.3503673	445.0159207
WV0050521	USBC28	2004 to 2005	33419.06635	31848.28101	6318.288003	317942.0919	2161.920032	178.3503673	445.0159207
WV0050521	USGR50	2003 to 2004	72862.80948	66206.03234	12286.73136	519089.1229	4713.583729	370.7537679	865.3912364
WV0050521	USGR50	2004 to 2005	72862.80948	66206.03234	12286.73136	519089.1229	4713.583729	370.7537679	865.3912364
WV0050521	USLB37	2003 to 2004	43.02762168	48.8133026	17.85720642	551.5321926	2.783509158	0.273354485	1.257736455
WV0050521	USLB37	2004 to 2005	43.02762168	48.8133026	17.85720642	551.5321926	2.783509158	0.273354485	1.257736455
WV0050521	USPC30	2003 to 2004	3942.644074	4259.775097	1047.640799	58866.14817	255.0544384	23.85473969	73.78847476
WV0050521	USPC30	2004 to 2005	3942.644074	4259.775097	1047.640799	58866.14817	255.0544384	23.85473969	73.78847476
WV0050598	001	2003 to 2004	7.353762456	31.1994184	11.94986384	757.0049501	0.475723834	0.174716737	0.84166465
WV0050598	001	2004 to 2005	11.64489955	14.629662	3.53845757	198.1190197	0.753322709	0.081926104	0.249224149
WV0050598	002	2003 to 2004	38.24000168	4051.508647	835.6794155	39924.63896	2.473792315	22.68844762	58.85940058
WV0050598	002	2004 to 2005	38.24000168	918.8598248	525.3073668	48898.91511	2.473792315	5.145614835	36.99896892

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0050598	004	2003 to 2004	28.31198521	26.3762154	1.373423272	274.6846545	1.831536744	0.147706801	0.096734309
WV0050598	004	2004 to 2005	3.817467819	4.066198028	0.573160896	43.5277841	0.246956634	0.022770708	0.040369436
WV0050598	005	2003 to 2004	210.8799569	199.4167426	69.83911666	2668.983289	13.64208079	1.116733719	4.918977861
WV0050598	005	2004 to 2005	210.8799569	521.7624334	245.7021852	13093.15801	13.64208079	2.921869523	17.30553975
WV0050717	001	2003 to 2004	4.701811966	7.250845914	3.6468714	173.6154834	0.304165932	0.040604736	0.25686006
WV0050717	001	2004 to 2005	7.935484775	4.441906862	2.686466427	142.9194736	0.513356158	0.024874678	0.189215865
WV0050717	002	2003 to 2004	774.4156117	1129.557294	1340.330906	26068.9077	50.09788742	6.325520622	94.40351433
WV0050717	002	2004 to 2005	1449.898826	1157.694894	560.7153829	16927.89286	93.79571778	6.483091173	39.4928614
WV0050717	004	2003 to 2004	46.49191054	138.5067658	45.29476152	967.0738515	3.007618215	0.775637861	3.190245521
WV0050717	004	2004 to 2005	52.03598084	128.5759424	33.20953759	1179.224041	3.366270864	0.720025252	2.339047055
WV0050717	006	2003 to 2004	486.9704929	4.542029913	209.2578067	5515.322038	31.50271322	0.025435367	14.73865317
WV0050717	006	2004 to 2005	486.9704929	4.542029913	209.2578067	5515.322038	31.50271322	0.025435367	14.73865317
WV0050857	002	2003 to 2004	30.49047759	47.63243411	268.1323581	2149.052983	1.972466064	0.266741622	18.88536391
WV0050857	002	2004 to 2005	45.71769241	92.73626172	136.3636303	2201.848059	2.957533104	0.519323047	9.604498316
WV0050857	003	2003 to 2004	21.6719713	61.51206225	31.40489254	583.9752746	1.401986171	0.344467536	2.211940507
WV0050857	003	2004 to 2005	21.6719713	61.51206225	31.40489254	583.9752746	1.401986171	0.344467536	2.211940507
WV0050857	005	2003 to 2004	13.39249925	40.80040491	41.04697165	539.6363953	0.866377058	0.228482259	2.891060976
WV0050857	005	2004 to 2005	9.07751599	34.13445143	16.95669892	496.0447129	0.587235545	0.191152921	1.194311019
WV0050857	006	2003 to 2004	13.43143095	39.27774289	30.90022124	407.3407655	0.868895597	0.219955352	2.176394998
WV0050857	006	2004 to 2005	4.174341639	15.33475773	16.08635566	178.4368839	0.270043236	0.08587464	1.13301014
WV0050857	008	2003 to 2004	26.74498519	119.895527	51.77265064	1308.266793	1.730165607	0.671414927	3.646502626
WV0050857	008	2004 to 2005	35.71080804	125.060826	67.48789441	1661.80614	2.310175588	0.700340601	4.753374245
WV0050857	009	2003 to 2004	17.22943295	64.89911645	48.60404337	1535.638655	1.114592964	0.363435039	3.423328139
WV0050857	009	2004 to 2005	17.22943295	64.89911645	48.60404337	1535.638655	1.114592964	0.363435039	3.423328139
WV0050857	201	2003 to 2004	94993.56913	15576.82563	132727.6215	94280.75888	6145.249476	87.2302204	9348.403346
WV0050857	201	2004 to 2005	94993.56913	5883.169179	7394.144105	94280.75888	6145.249476	32.94574623	520.7916836
WV0050865	001	2003 to 2004	128.6908483	138.7684751	27.37924757	4325.080357	8.325167432	0.777103433	1.928402292
WV0050865	001	2004 to 2005	30.46043746	51.16993022	20.12371491	1598.722369	1.970522732	0.286551599	1.417373427
WV0050903	001	2003 to 2004	11.46321786	46.93430708	13.40980202	410.9455459	0.7415695	0.26283211	0.944492462
WV0050903	001	2004 to 2005	11.46321786	46.93430708	13.40980202	410.9455459	0.7415695	0.26283211	0.944492462
WV0050903	002	2003 to 2004	7.3537624	6.921188141	2.595445553	0	0.47572383	0.038758652	0.182804993

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0050903	002	2004 to 2005	6.499428181	17.18401249	19.67131406	162.7560613	0.420455911	0.096230467	1.385509482
WV0050903	005	2003 to 2004	2121.528949	3465.663367	3796.402437	49831.37235	137.244287	19.40771416	267.3919779
WV0050903	005	2004 to 2005	900.3915379	1175.09193	1315.845696	9930.430313	58.24742324	6.580514574	92.67894779
WV0050903	006	2003 to 2004	15.42913765	43.64281125	10.3178794	2352.859913	0.998129673	0.244399734	0.726719105
WV0050903	006	2004 to 2005	6.632149994	21.0555524	6.482715238	435.1303879	0.429041846	0.117911089	0.456597023
WV0050903	009	2003 to 2004	0	0.692118836	0	0	0	0.003875865	0
WV0050903	009	2004 to 2005	0.432574259	1.622153471	0	59.47896059	0.027983755	0.009084059	0
WV0050911	001	2003 to 2004	10.45315712	53.16554022	22.74475492	689.9559548	0.676227443	0.297727015	1.601981114
WV0050911	001	2004 to 2005	11.45510706	58.0622811	8.310833079	672.5177926	0.741044802	0.325148763	0.58535683
WV0050920	001	2003 to 2004	6.260431091	13.20324806	1.850336425	660.486828	0.404994898	0.073938187	0.130324728
WV0050920	001	2004 to 2005	11.33254451	23.94208428	2.96944208	1454.080354	0.733116082	0.134075667	0.209146687
WV0050920	002	2003 to 2004	11.98987725	352.5793875	11.4524036	878.9368389	0.775639736	1.9744445	0.806627037
WV0050920	002	2004 to 2005	17.22096164	66.18836832	21.70351242	930.4852613	1.114044945	0.370654849	1.52864329
WV0050946	002	2003 to 2004	62.16092219	14.26413646	0	1106.308689	4.021265629	0.079879161	0
WV0050946	002	2004 to 2005	96.03148957	19.59801796	0	1404.064006	6.212393811	0.109748897	0
WV0050946	003	2003 to 2004	9.516633694	17.30297035	14.11273519	526.2986816	0.615642604	0.096896631	0.994002148
WV0050946	003	2004 to 2005	9.300346564	19.62805699	15.68081688	526.2986816	0.601650726	0.109917115	1.104446831
WV0050946	004	2003 to 2004	36.20646633	18.31952038	0	581.8123935	2.342240325	0.10258931	0
WV0050946	004	2004 to 2005	78.19981433	48.35219003	0	1118.084321	5.058841061	0.270772255	0
WV0050946	010	2003 to 2004	12.11207925	8.651485176	1.730297035	789.2000122	0.783545132	0.048448315	0.121869995
WV0050946	010	2004 to 2005	12.11207925	8.651485176	1.730297035	789.2000122	0.783545132	0.048448315	0.121869995
WV0050946	018	2003 to 2004	6.921188141	3.46059407	4.325742588	789.2000122	0.447740075	0.019379326	0.304674988
WV0050946	018	2004 to 2005	6.921188141	3.46059407	4.325742588	789.2000122	0.447740075	0.019379326	0.304674988
WV0050946	020	2003 to 2004	6.813044576	14.00459163	4.163527241	129.7722776	0.440744137	0.07842571	0.293249676
WV0050946	020	2004 to 2005	11.30100232	10.05735145	2.919876233	129.7722776	0.731075579	0.056321166	0.205655616
WV0050946	JENS02	2003 to 2004	0.441225753	0.282615186	0.115353137	8.218911014	0.02854343	0.001582645	0.008124666
WV0050946	JENS02	2004 to 2005	0.357594732	0.180239281	0.038931685	8.218911014	0.023133238	0.00100934	0.002742075
WV0050946	JENS04	2003 to 2004	0.595510579	0.259544562	0.136981852	11.67950527	0.038524303	0.001453449	0.009648042
WV0050946	JENS04	2004 to 2005	0.363362387	0.203309906	0.028838285	11.67950527	0.023506355	0.001138535	0.002031167
WV0050946	JENS05	2003 to 2004	0.268484436	0.438197746	0.074258585	2.955924235	0.017368585	0.002453907	0.005230254
WV0050946	JENS05	2004 to 2005	0.098771125	0.15284291	0.031001156	2.955924235	0.006389624	0.00085592	0.002183504

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0050946	JENS08	2003 to 2004	0.305685816	0.105980696	0.072095711	4.325742684	0.019775187	0.000593492	0.005077917
WV0050946	JENS08	2004 to 2005	0.291266679	0.206193738	0.033884985	4.325742684	0.018842396	0.001154685	0.002386621
WV0051055	001	2003 to 2004	129.3570106	34.6535252	53.09849256	1068.37194	8.36826228	0.194059734	3.739885637
WV0051055	001	2004 to 2005	109.1709333	41.50009474	53.09849256	1284.204886	7.062400398	0.232400522	3.739885637
WV0051101	001	2003 to 2004	57.0277051	45.52123032	32.79633763	893.986781	3.689191575	0.254918881	2.309944146
WV0051101	001	2004 to 2005	36.13076406	23.35900943	43.48452693	1589.710361	2.337343053	0.130810448	3.062745285
WV0051101	003	2003 to 2004	90.10161721	23.3049392	125.302349	11210.88336	5.828783159	0.130507655	8.825419196
WV0051101	003	2004 to 2005	93.94972589	20.07009468	88.55606536	21304.74278	6.077721987	0.112392526	6.237268536
WV0051179	001	2003 to 2004	2.220547851	6.207440613	0.439783827	86.15437268	0.14364994	0.034761666	0.03097529
WV0051179	001	2004 to 2005	3.893168385	62.29069416	5.450435739	1790.857457	0.251853796	0.348827875	0.38389049
WV0051179	004	2003 to 2004	70.07222391	44.70414673	31.77978912	520.1705507	4.533057355	0.250343213	2.238345594
WV0051179	004	2004 to 2005	113.6012089	111.8564931	67.08505789	1573.308622	7.349000316	0.626396339	4.725001265
WV0051179	006	2003 to 2004	9.148945473	3.211863852	6.64482124	102.0755089	0.591856406	0.017986437	0.468014633
WV0051179	006	2004 to 2005	15.24103318	8.175653469	19.51630871	317.0408883	0.985960966	0.045783658	1.374591992
WV0051179	007	2003 to 2004	140.7728827	15.08722909	95.63736302	814.9218503	9.106768928	0.08448848	6.736025509
WV0051179	007	2004 to 2005	120.8756681	27.18729247	133.1968246	1250.500107	7.819593921	0.152248832	9.381450722
WV0051314	001	2003 to 2004	60.66854062	25.83844726	36.95757204	415.5249372	3.924721651	0.144695299	2.603032331
WV0051314	001	2004 to 2005	3.536294669	5.876521458	5.357432327	243.1889282	0.228767201	0.032908519	0.377339982
WV0051314	004	2003 to 2004	12.14812736	21.16009151	17.26692319	601.9631427	0.785877128	0.118496508	1.216161042
WV0051314	004	2004 to 2005	12.14812736	21.16009151	17.26692319	601.9631427	0.785877128	0.118496508	1.216161042
WV0051314	006	2003 to 2004	17.12994028	54.76389998	31.66443506	873.6269543	1.108156662	0.306677829	2.230220863
WV0051314	006	2004 to 2005	17.12994028	54.76389998	31.66443506	873.6269543	1.108156662	0.306677829	2.230220863
WV0051381	002	2003 to 2004	557.7901005	387.5865446	592.6483764	4437.491056	36.08411974	2.170484572	41.74199764
WV0051381	002	2004 to 2005	330.6489529	385.3155237	496.0725586	4199.575185	21.39008275	2.157766856	34.93987395
WV0051381	003	2003 to 2004	151.914674	135.7021516	80.65707663	1422.989095	9.82754495	0.759932022	5.680919135
WV0051381	003	2004 to 2005	199.335629	203.6884076	167.5324093	2700.88557	12.89526418	1.140655042	11.79980864
WV0051403	001	2003 to 2004	100.0327985	166.9135836	141.9600596	1230.870399	6.471243351	0.934716035	9.998671568
WV0051403	001	2004 to 2005	104.8894267	128.1796196	224.9386167	1086.351271	6.785424534	0.717805844	15.84309952
WV0051403	003	2003 to 2004	243.8036617	57.84479232	181.6090952	1499.590781	15.77195528	0.323930825	12.79127173
WV0051403	003	2004 to 2005	243.8036617	57.84479232	181.6090952	1499.590781	15.77195528	0.323930825	12.79127173
WV0051519	010	2003 to 2004	76.68730669	120.0096196	22.59389474	1588.358639	4.960995103	0.672053846	1.59135558

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0051519	010	2004 to 2005	29.28527737	55.36950528	12.53023442	575.3237665	1.894500197	0.310069219	0.882541885
WV0051616	015	2003 to 2004	14.27495054	25.95445553	0.865148518	346.059407	0.923463905	0.145344946	0.060934998
WV0051616	015	2004 to 2005	14.27495054	25.95445553	0.865148518	346.059407	0.923463905	0.145344946	0.060934998
WV0051829	003	2003 to 2004	54.86243336	40.09242537	23.77716559	1193.063865	3.549117513	0.224517574	1.674696885
WV0051829	003	2004 to 2005	31.43831825	13.76569305	8.899232484	497.0671634	2.033783029	0.077087878	0.62679956
WV0051845	003	2003 to 2004	61.10327956	67.81575091	15.68406186	5813.798289	3.952845441	0.379768192	1.104675385
WV0051845	003	2004 to 2005	61.10327956	67.81575091	15.68406186	5813.798289	3.952845441	0.379768192	1.104675385
WV0051845	101	2003 to 2004	5.65482705	5.244494218	0.494396331	317.2211252	0.365817637	0.029369167	0.034821812
WV0051845	101	2004 to 2005	5.65482705	5.244494218	0.494396331	317.2211252	0.365817637	0.029369167	0.034821812
WV0051845	109	2003 to 2004	23.69876181	158.0784082	34.65280376	1271.588101	1.533101713	0.885239054	2.440700608
WV0051845	109	2004 to 2005	74.3340536	990.0919101	262.056146	3193.261784	4.808760299	5.544514499	18.45739812
WV0051942	002	2003 to 2004	79.24219899	456.2685262	244.1196842	2170.351273	5.126274192	2.555103656	17.19407947
WV0051942	002	2004 to 2005	40.25824481	117.0780261	164.414267	859.6151788	2.604354801	0.655636923	11.58018855
WV0052051	007	2003 to 2004	6.941735457	26.54383816	8.282715713	379.0431953	0.449069306	0.148645488	0.58337644
WV0052051	007	2004 to 2005	17.40750939	44.88019272	19.9498022	851.0538212	1.126112946	0.25132907	1.405124235
WV0052094	001	2003 to 2004	26.81352948	96.12133716	185.3777421	1721.118122	1.734599821	0.538279469	13.0567088
WV0052094	001	2004 to 2005	66.37458942	256.9697629	345.9148984	1620.826294	4.293852885	1.439030621	24.36382085
WV0052094	002	2003 to 2004	10.14089272	2.741890018	3.400033697	93.45068553	0.656026679	0.015354584	0.239474542
WV0052094	002	2004 to 2005	0.313616348	0.572388457	0.227873947	8.38112651	0.020288223	0.003205375	0.016049844
WV0052094	004	2003 to 2004	39.36425828	37.85024835	127.1768344	1968.212914	2.546521725	0.211961383	8.957444809
WV0052094	004	2004 to 2005	14.28576466	13.47468799	12.97722754	295.7726427	0.924163484	0.07545825	0.914024948
WV0052094	005	2003 to 2004	1.297722776	3.46059407	0	216.2871294	0.083951264	0.019379326	0
WV0052094	005	2004 to 2005	11.71735537	5.504507464	1.373423282	358.7662788	0.758009965	0.030825241	0.096734309
WV0052248	017	2003 to 2004	21.13279752	40.54920202	10.28445302	829.6156335	1.367106364	0.227075523	0.724364785
WV0052248	017	2004 to 2005	26.85150704	49.35034346	12.91710022	1102.19924	1.737056635	0.276361914	0.909790001
WV0052248	029	2003 to 2004	36.37589143	51.397033	8.260366103	2303.457997	2.353200641	0.287823375	0.58180229
WV0052248	029	2004 to 2005	46.84418784	583.4561525	83.71753764	4509.586667	3.030407462	3.267354337	5.896476558
WV0052256	001	2003 to 2004	28.1485686	32.12344559	14.08990535	670.189718	1.820965124	0.179891289	0.992394174
WV0052256	001	2004 to 2005	28.1485686	32.12344559	14.08990535	670.189718	1.820965124	0.179891289	0.992394174
WV0052426	001	2003 to 2004	1076.91167	863.2992816	689.162908	28230.51769	69.66672521	4.834475804	48.53980475
WV0052426	001	2004 to 2005	471.6825751	400.127585	510.1528515	14477.17905	30.51371923	2.240714396	35.93159109

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0052426	002	2003 to 2004	1354.982652	288.2588426	410.6687027	8856.092939	87.6554751	1.614249461	28.92462495
WV0052426	002	2004 to 2005	268.6347905	57.00092723	134.4440782	4478.997375	17.37831119	0.319205181	9.469298522
WV0052426	003	2003 to 2004	69.09941193	10.32554758	10.9787347	829.6774321	4.470124965	0.057823064	0.77326512
WV0052426	003	2004 to 2005	53.42832838	6.667050833	8.272982834	923.5460562	3.456343519	0.037335483	0.582690924
WV0052426	033	2003 to 2004	70.08424087	22.78584973	28.45257261	789.2000122	4.533834747	0.127600754	2.003999785
WV0052426	033	2004 to 2005	27.69196269	8.460431663	16.78748631	789.2000122	1.791426733	0.047378416	1.182392869
WV0052426	037	2003 to 2004	703.4234258	261.7506832	381.6746886	8763.233779	45.50531661	1.465803773	26.88248983
WV0052426	037	2004 to 2005	440.065009	858.8401799	581.2464411	19922.92865	28.46834044	4.809504836	40.93892523
WV0052426	045	2003 to 2004	287.09954	67.8528786	79.73064677	2727.741222	18.57281828	0.379976107	5.615667909
WV0052426	045	2004 to 2005	125.2446681	30.88219784	59.79618257	3580.993955	8.102229845	0.172940302	4.211623976
WV0052515	003	2003 to 2004	0.129772282	0	0	170.8668378	0.008395127	0	0
WV0052515	003	2004 to 2005	0.129772282	0	0	170.8668378	0.008395127	0	0
WV0052515	005	2003 to 2004	38.24000168	0	0	0	2.473792315	0	0
WV0052515	005	2004 to 2005	38.24000168	0	0	0	2.473792315	0	0
WV0052531	004	2003 to 2004	11112.15695	56638.29996	0	146439.9057	718.8589427	317.1744685	0
WV0052531	004	2004 to 2005	5485.041747	31825.75083	0	105052.4642	354.8340191	178.2241983	0
WV0052710	001	2003 to 2004	2.55218821	4.498772437	0.908405973	0	0.165104158	0.025193125	0.06398175
WV0052710	001	2004 to 2005	0.827298297	2.863641686	0.805669583	32.87564473	0.053518933	0.016036393	0.056745718
WV0052710	003	2003 to 2004	6.052107195	6.221204456	0	110.109813	0.391518172	0.034838744	0
WV0052710	003	2004 to 2005	1.135056824	2.353924902	0.97779805	176.1838954	0.073428206	0.013181979	0.068869241
WV0052710	004	2003 to 2004	2.508930684	38.10979213	4.758316819	0	0.162305776	0.213414828	0.335142485
WV0052710	004	2004 to 2005	1.625758284	8.73529655	4.195970359	294.736279	0.10517228	0.048917659	0.295534742
WV0052728	001	2003 to 2004	0	55.58579189	7.894480153	421.7598981	0	0.311280424	0.556031848
WV0052728	001	2004 to 2005	0	55.58579189	7.894480153	421.7598981	0	0.311280424	0.556031848
WV0052728	DSCR	2003 to 2004	287.3646355	124.2657883	54.3662824	0	18.58996764	0.69588839	3.829179867
WV0052728	DSCR	2004 to 2005	287.3646355	124.2657883	54.3662824	0	18.58996764	0.69588839	3.829179867
WV0052833	001	2003 to 2004	21.24804802	60.89996839	26.38486755	806.7510114	1.374562059	0.341039811	1.858365133
WV0052833	001	2004 to 2005	10.70861629	32.53919732	25.58196076	829.1006823	0.692753407	0.182219498	1.801814006
WV0052973	005	2003 to 2004	861.0194038	494.0784538	396.3756582	6856.302008	55.70039202	2.766839243	27.91792309
WV0052973	005	2004 to 2005	257.3546504	82.47749131	110.5227216	1338.27661	16.64858521	0.461873935	7.784445832
WV0053091	004	2003 to 2004	142.1366944	161.2276392	192.5820633	3796.920637	9.194995562	0.902874748	13.56413069

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0053091	004	2004 to 2005	207.3003965	332.213422	621.5299004	4770.212579	13.41051468	1.860395097	43.77620975
WV0053121	014	2003 to 2004	810.0115367	705.1681539	472.7496042	16236.85522	52.40063108	3.948941521	33.29716852
WV0053121	014	2004 to 2005	657.0226596	520.0335936	259.5607915	17289.18303	42.50359462	2.91218802	18.28164283
WV0053121	015	2003 to 2004	19.23153066	22.79486115	16.39023838	307.398083	1.244111099	0.127651218	1.154413509
WV0053121	015	2004 to 2005	49.57838122	54.36387824	16.39023838	1699.569439	3.207285756	0.304437707	1.154413509
WV0053121	017	2003 to 2004	24.4656797	8.678521264	4.073407692	391.4797123	1.582714564	0.048599717	0.286902286
WV0053121	017	2004 to 2005	26.70556244	7.520893578	4.073407692	357.4636466	1.727615302	0.042117003	0.286902286
WV0053121	019	2003 to 2004	2141.242703	8746.652011	2465.673416	38931.68551	138.5195937	48.98124951	173.664753
WV0053121	019	2004 to 2005	2162.871417	9905.951091	2465.673416	58397.52826	139.9187815	55.47332413	173.664753
WV0053121	060	2003 to 2004	1.219072935	2.733082901	0.108143568	35.58906498	0.07886331	0.015305264	0.007616875
WV0053121	060	2004 to 2005	2.136436249	3.032826242	0.108143568	42.53646954	0.138208658	0.016983826	0.007616875
WV0053121	DSGR60	2003 to 2004	78847.47475	299038.5833	21217.76867	707258.9556	5100.739001	1674.616007	1494.430905
WV0053121	DSGR60	2004 to 2005	101105.2229	92251.86987	19137.08576	1076569.208	6540.61979	516.6104529	1347.882185
WV0053121	DSLB15	2003 to 2004	106.4853641	64.38146914	110.7390103	1038.178221	6.888667664	0.360536214	7.799679689
WV0053121	DSLB15	2004 to 2005	66.4181744	60.55138595	15.72888111	3584.95931	4.29667245	0.339087749	1.107832138
WV0053121	USGR17	2003 to 2004	52413.58175	34505.00702	15680.81738	470424.5214	3390.698325	193.2280324	1104.446866
WV0053121	USGR17	2004 to 2005	83964.46763	69276.76933	16952.58561	921383.1764	5431.763491	387.9498944	1194.021306
WV0053121	USLB62	2003 to 2004	63.87680174	45.9249693	36.98510139	616.4183566	4.132267963	0.257179819	2.604971306
WV0053121	USLB62	2004 to 2005	49.23235916	62.57907798	22.26676067	489.3496355	3.184901168	0.350442824	1.568314549
WV0053155	001	2003 to 2004	432.1056491	116.3120105	20.72030723	3875.86544	27.95343978	0.651347236	1.459393208
WV0053155	001	2004 to 2005	256.5951877	193.6752962	27.23251623	5977.389815	16.59945465	1.08458162	1.918067565
WV0053163	001	2003 to 2004	1452.966474	512.0021009	203.1044342	23207.24895	93.99416764	2.867211663	14.30525274
WV0053163	001	2004 to 2005	1302.499146	556.6690097	208.8072035	30388.34249	84.26025326	3.117346343	14.70691584
WV0053163	002	2003 to 2004	217.3613586	681.5784261	95.91252866	5442.8656	14.06137055	3.81683905	6.755406248
WV0053163	002	2004 to 2005	188.9844865	617.5682518	135.0208474	7259.31715	12.22563619	3.458382087	9.509922104
WV0053163	003	2003 to 2004	6.816409103	8.308309693	0.976656553	157.9857355	0.440961792	0.046526533	0.068788842
WV0053163	003	2004 to 2005	5.725710176	5.411110708	0.542684068	92.41359121	0.370403152	0.030302219	0.038222862
WV0053163	004	2003 to 2004	38.24000168	46.65313544	16.19990664	789.2000122	2.473792315	0.261257549	1.141007875
WV0053163	004	2004 to 2005	38.24000168	114.9436325	14.13652687	789.2000122	2.473792315	0.643684319	0.995677867
WV0053171	001	2003 to 2004	987.5670493	340.7243298	587.525962	14269.54356	63.88691306	1.908056179	41.38121067
WV0053171	001	2004 to 2005	1027.003384	628.3141053	430.411385	20655.42088	66.43809747	3.518558864	30.31516112





**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0053210	002	2004 to 2005	4.309521116	4.298706745	2.373751266	134.0980218	0.27878816	0.024072757	0.167190401
WV0053210	003	2003 to 2004	32.60528432	10.27363855	0.973292068	259.5445525	2.109275482	0.057532374	0.068551871
WV0053210	003	2004 to 2005	12.62498886	10.97502706	3.182510661	349.7671905	0.816725878	0.061460149	0.224153744
WV0053210	004	2003 to 2004	29.36097794	8.939868137	4.199575131	591.1848297	1.899397359	0.05006326	0.295788637
WV0053210	004	2004 to 2005	26.79797522	29.50697134	1.73570423	588.3009949	1.733593597	0.165239034	0.12225084
WV0053210	008	2003 to 2004	84.54123416	23.62936959	1.919548333	865.14854	5.469075219	0.132324465	0.13519953
WV0053210	008	2004 to 2005	50.49321268	10.09077775	8.918894528	4968.311955	3.266467316	0.056508353	0.628184416
WV0053236	001	2003 to 2004	255.2611754	396.4543165	379.5559858	15431.41112	16.51315577	2.220144093	26.73326325
WV0053236	001	2004 to 2005	495.0722379	471.0463436	257.8142655	16399.29629	32.02682496	2.63785943	18.15862979
WV0053236	002	2003 to 2004	216.8494806	278.7076018	203.7046313	14800.8441	14.02825653	1.560762514	14.34752642
WV0053236	002	2004 to 2005	498.9563971	676.4290011	393.4262974	18472.49872	32.27809594	3.788002271	27.71019078
WV0053236	004	2003 to 2004	27.57660896	34.31755783	22.38571733	964.280116	1.78396436	0.192178317	1.576693022
WV0053236	004	2004 to 2005	27.57660896	34.31755783	22.38571733	964.280116	1.78396436	0.192178317	1.576693022
WV0053333	001	2003 to 2004	41.63527262	22.25053868	13.65312508	738.0798301	2.693436404	0.124603012	0.961630433
WV0053333	001	2004 to 2005	41.63527262	22.25053868	13.65312508	738.0798301	2.693436404	0.124603012	0.961630433
WV0053333	002	2003 to 2004	63.06932746	31.04585485	14.49556368	1126.423397	4.08003147	0.173856781	1.020965903
WV0053333	002	2004 to 2005	63.06932746	31.04585485	14.49556368	1126.423397	4.08003147	0.173856781	1.020965903
WV0053929	001	2003 to 2004	28.25250655	58.66653263	11.59028652	2233.570154	1.827688997	0.328532571	0.816338543
WV0053929	001	2004 to 2005	26.13709894	200.4837582	35.12983753	3925.911959	1.690840707	1.122709006	2.474299523
WV0053929	002	2003 to 2004	3.337580823	21.24210002	1.240947421	284.6203484	0.215912161	0.118955756	0.087403638
WV0053929	002	2004 to 2005	57.09980352	246.0073892	16.25998615	948.238843	3.693855709	1.37764133	1.145239454
WV0055433	002	2003 to 2004	2.420469282	0.971601116	2.127616513	235.7392118	0.156583101	0.005440966	0.149854394
WV0055433	002	2004 to 2005	1.736195789	1.108963115	2.272981135	47.87810588	0.112316616	0.006210193	0.160092859
WV0055433	300	2003 to 2004	1.220820723	1.739909846	0.908405971	73.89810324	0.078976377	0.009743495	0.063981749
WV0055433	300	2004 to 2005	0.379485613	0.900540991	0.84450296	17.00803378	0.024549386	0.005043029	0.059480869
WV0055433	301	2003 to 2004	4.401934678	0.882844742	1.876290871	59.14715792	0.284766506	0.00494393	0.132152778
WV0055433	301	2004 to 2005	2.180567506	1.266262839	2.188432511	26.93757892	0.141063563	0.007091072	0.154137847
WV0056006	001	2003 to 2004	115.5643776	110.1827928	389.623246	884.1457548	7.476000087	0.617023618	27.4423305
WV0056006	001	2004 to 2005	210.2065133	216.8376806	395.6825627	2540.390678	13.59851491	1.214290968	27.8691063
WV0056006	002	2003 to 2004	63.57940491	63.71458443	57.88384394	1215.713926	4.113029	0.35680166	4.076932247
WV0056006	002	2004 to 2005	38.58021779	35.44405396	57.8027368	1831.681669	2.495801193	0.198486695	4.071219628















**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0061689	002	2003 to 2004	31.93128064	153.4782503	41.63995921	1554.653876	2.065673365	0.859478171	2.932826864
WV0061689	002	2004 to 2005	15.39423751	129.2694191	19.82271679	632.6398976	0.99587194	0.723908721	1.396173229
WV0061689	021	2003 to 2004	6.696339855	21.51957876	20.00250477	199.6150019	0.433194366	0.120509637	1.408836234
WV0061689	021	2004 to 2005	0.40878268	7.231560276	4.555007011	29.19876289	0.026444649	0.040496736	0.320822767
WV0062405	300	2003 to 2004	2149.533631	202.8863438	849.8372088	10819.7639	139.0559439	1.136163485	59.8565763
WV0062405	300	2004 to 2005	1536.089264	160.8635574	771.784595	9327.382785	99.37148201	0.900835889	54.35909727
WV0062766	001	2003 to 2004	74.07834253	2051.591515	1391.158782	1261.674963	4.792218039	11.48891207	97.98347365
WV0062766	001	2004 to 2005	74.07834253	2051.591515	1391.158782	1261.674963	4.792218039	11.48891207	97.98347365
WV0062766	006	2003 to 2004	1.764903016	2.175848551	4.325742582	56.76239474	0.114173722	0.012184751	0.304674987
WV0062766	006	2004 to 2005	1.764903016	2.175848551	4.325742582	56.76239474	0.114173722	0.012184751	0.304674987
WV0062766	011	2003 to 2004	31.2102332	29.41505011	28.00918412	1284.702289	2.01902793	0.164724275	1.972770607
WV0062766	011	2004 to 2005	31.2102332	29.41505011	28.00918412	1284.702289	2.01902793	0.164724275	1.972770607
WV0062766	012	2003 to 2004	2965.729189	18181.52903	31933.49771	177794.5134	191.8566268	101.8165589	2249.17175
WV0062766	012	2004 to 2005	2965.729189	18181.52903	31933.49771	177794.5134	191.8566268	101.8165589	2249.17175
WV0062766	016	2003 to 2004	0	14.27495116	2.595445665	497.6767062	0	0.079939724	0.182805001
WV0062766	016	2004 to 2005	0	14.27495116	2.595445665	497.6767062	0	0.079939724	0.182805001
WV0062766	017	2003 to 2004	5.487637263	8.154457686	26.59466654	86.58514841	0.355001926	0.045664961	1.873141904
WV0062766	017	2004 to 2005	5.487637263	8.154457686	26.59466654	86.58514841	0.355001926	0.045664961	1.873141904
WV0062766	018	2003 to 2004	446.6329107	186.0069265	6.488613714	3136.163295	28.89322599	1.041638751	0.45701247
WV0062766	018	2004 to 2005	446.6329107	186.0069265	6.488613714	3136.163295	28.89322599	1.041638751	0.45701247
WV0062766	020	2003 to 2004	24.69999047	45.83124332	41.41898486	528.8220419	1.597872413	0.256654953	2.917262979
WV0062766	020	2004 to 2005	24.69999047	45.83124332	41.41898486	528.8220419	1.597872413	0.256654953	2.917262979
WV0062766	024	2003 to 2004	108.156546	128.2020375	23.67478941	2588.37306	6.996778455	0.717931384	1.667486225
WV0062766	024	2004 to 2005	108.156546	128.2020375	23.67478941	2588.37306	6.996778455	0.717931384	1.667486225
WV0062766	DNUTT	2003 to 2004	9305.393442	28425.89692	31841.79167	368574.9018	601.9772148	159.1850171	2242.712619
WV0062766	DNUTT	2004 to 2005	9305.393442	28425.89692	31841.79167	368574.9018	601.9772148	159.1850171	2242.712619
WV0062766	DNUTT2	2003 to 2004	360.8462512	352.9517688	366.9887989	8550.695789	23.34358269	1.976529835	25.8481187
WV0062766	DNUTT2	2004 to 2005	360.8462512	352.9517688	366.9887989	8550.695789	23.34358269	1.976529835	25.8481187
WV0062766	DS016	2003 to 2004	25.8102642	19.42979374	3.460594042	937.0639912	1.66969737	0.108806841	0.243739988
WV0062766	DS016	2004 to 2005	25.8102642	19.42979374	3.460594042	937.0639912	1.66969737	0.108806841	0.243739988
WV0062766	DS019	2003 to 2004	99.49208352	126.5279752	17.3029708	2761.265843	6.436263841	0.708556636	1.218699983

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0062766	DS019	2004 to 2005	99.49208352	126.5279752	17.3029708	2761.265843	6.436263841	0.708556636	1.218699983
WV0062766	DSGC	2003 to 2004	14578.25757	8373.448202	6713.372442	20852.5669	943.0852058	46.89130826	472.8428994
WV0062766	DSGC	2004 to 2005	14578.25757	8373.448202	6713.372442	20852.5669	943.0852058	46.89130826	472.8428994
WV0062766	DSGR	2003 to 2004	277.8208265	491.8729952	116.1822399	5681.682865	17.97256702	2.754488675	8.183062636
WV0062766	DSGR	2004 to 2005	277.8208265	491.8729952	116.1822399	5681.682865	17.97256702	2.754488675	8.183062636
WV0062766	DSGY	2003 to 2004	545.0796193	746.4429367	142.1727415	15591.99481	35.26186325	4.180080296	10.01365139
WV0062766	DSGY	2004 to 2005	545.0796193	746.4429367	142.1727415	15591.99481	35.26186325	4.180080296	10.01365139
WV0062766	GW-2	2003 to 2004	5.190890994	11.80927701	0.648861374	86.55810732	0.335805049	0.066131949	0.045701247
WV0062766	GW-2	2004 to 2005	5.190890994	11.80927701	0.648861374	86.55810732	0.335805049	0.066131949	0.045701247
WV0062766	UPUTT	2003 to 2004	306.2265355	813.9605871	263.149348	6301.886217	19.81016688	4.558179125	18.5343956
WV0062766	UPUTT	2004 to 2005	306.2265355	813.9605871	263.149348	6301.886217	19.81016688	4.558179125	18.5343956
WV0062766	UPUTT2	2003 to 2004	210.3744151	332.2154444	301.9120348	2783.25639	13.60937667	1.860406422	21.26456756
WV0062766	UPUTT2	2004 to 2005	210.3744151	332.2154444	301.9120348	2783.25639	13.60937667	1.860406422	21.26456756
WV0062766	US016	2003 to 2004	16.54596556	18.49254966	4.560053619	468.622109	1.070378628	0.103558274	0.321178215
WV0062766	US016	2004 to 2005	16.54596556	18.49254966	4.560053619	468.622109	1.070378628	0.103558274	0.321178215
WV0062766	USGC	2003 to 2004	13220.26491	7611.987864	5801.483807	18049.51782	855.2350096	42.62713052	408.6158555
WV0062766	USGC	2004 to 2005	13220.26491	7611.987864	5801.483807	18049.51782	855.2350096	42.62713052	408.6158555
WV0062766	USGR	2003 to 2004	226.0200508	425.5449281	83.45078365	10967.92046	14.62151187	2.383051512	5.877688276
WV0062766	USGR	2004 to 2005	226.0200508	425.5449281	83.45078365	10967.92046	14.62151187	2.383051512	5.877688276
WV0062766	USGY	2003 to 2004	499.2628072	598.3944099	130.1327598	13465.31625	32.29791798	3.351008576	9.165639475
WV0062766	USGY	2004 to 2005	499.2628072	598.3944099	130.1327598	13465.31625	32.29791798	3.351008576	9.165639475
WV0062910	001	2003 to 2004	12.92991517	17.23943617	1.986236818	486.6911017	0.836451932	0.096540839	0.139896599
WV0062910	001	2004 to 2005	25.87515059	54.96817308	22.41695973	806.0901339	1.67389495	0.307821758	1.578893518
WV0062910	003	2003 to 2004	135.3597018	224.488026	21.62871402	5150.337516	8.756583673	1.257132901	1.523375016
WV0062910	003	2004 to 2005	181.440876	309.5309204	110.3064394	6608.773695	11.73763086	1.733373092	7.769212431
WV0062961	001	2003 to 2004	40.80617225	11.48304431	4.204982313	294.150498	2.639800893	0.064305046	0.296169481
WV0062961	001	2004 to 2005	4.749305076	2.766672899	0.50557118	96.06753563	0.307238319	0.015493368	0.03560889
WV0062961	002	2003 to 2004	12.06882188	3.852073753	11.90660657	204.7157698	0.78074676	0.021571612	0.838617911
WV0062961	002	2004 to 2005	30.26899092	5.541138648	56.69888544	189.1824211	1.958137822	0.031030375	3.993472076
WV0063355	007	2003 to 2004	3.461945944	5.890895523	5.593275376	339.8411631	0.223957492	0.032989014	0.393951113
WV0063355	007	2004 to 2005	1.865025909	1.955596152	0.769171123	87.23580987	0.120650793	0.010951338	0.054175023

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0063355	008	2003 to 2004	9.893784506	18.17082262	6.106731968	608.3075575	0.640040948	0.101756603	0.430115396
WV0063355	008	2004 to 2005	3.148329574	8.746561476	12.15578733	279.9115977	0.203669268	0.048980743	0.856168457
WV0063355	009	2003 to 2004	1.896342511	11.63002961	8.263970986	148.1093737	0.122676703	0.065128163	0.582056192
WV0063355	009	2004 to 2005	0.756103771	2.916722106	4.33182571	26.40505406	0.048913272	0.016333643	0.30510344
WV0063355	010	2003 to 2004	4.822076556	8.293259725	2.816914596	267.5088814	0.311945995	0.046442253	0.19840372
WV0063355	010	2004 to 2005	0.454428281	1.047190199	0.393822819	39.56252186	0.029397518	0.005864265	0.027738119
WV0063355	011	2003 to 2004	13.74414617	62.32944582	26.35098235	780.1544494	0.889125525	0.349044884	1.855978497
WV0063355	011	2004 to 2005	2.797313643	14.98148899	5.098969252	142.0736131	0.18096162	0.083896335	0.359135654
WV0063355	013	2003 to 2004	0.324430701	0.508274769	0	17.30297021	0.020987816	0.002846339	0
WV0063355	013	2004 to 2005	0.324430701	0.508274769	0	17.30297021	0.020987816	0.002846339	0
WV0063355	014	2003 to 2004	20.48038914	23.32096021	4.445902254	1848.353791	1.324901273	0.130597373	0.313138192
WV0063355	014	2004 to 2005	6.545990103	10.10211088	1.007537547	71.32969363	0.423468058	0.056571819	0.070963883
WV0063461	001	2003 to 2004	16.17106813	16.09176261	2.687367641	182.6761117	1.046126058	0.090113867	0.18927934
WV0063461	001	2004 to 2005	16.17106813	16.09176261	2.687367641	182.6761117	1.046126058	0.090113867	0.18927934
WV0063461	002	2003 to 2004	3.244306857	10.81435619	1.081435619	396.8868722	0.209878155	0.060560393	0.076168745
WV0063461	002	2004 to 2005	3.244306857	10.81435619	1.081435619	396.8868722	0.209878155	0.060560393	0.076168745
WV0063461	004	2003 to 2004	896.38998	8970.508625	7458.301134	40516.8874	57.9885576	50.23484651	525.3104551
WV0063461	004	2004 to 2005	719.7862574	7739.856504	5828.754249	51084.74854	46.56384807	43.34319488	410.5365944
WV0063461	006	2003 to 2004	461.412569	252.3349987	106.341178	15331.15356	29.84934005	1.413075942	7.489927211
WV0063461	006	2004 to 2005	460.3826302	948.5736072	108.1435709	14318.20878	29.78271206	5.312012011	7.61687513
WV0063576	001	2003 to 2004	36.59488105	49.83958404	30.19404405	909.7577377	2.367367346	0.279101661	2.126656827
WV0063576	001	2004 to 2005	118.9765869	36.64751103	14.77840047	651.5155265	7.696740053	0.205226054	1.040886944
WV0063576	002	2003 to 2004	110.9140055	19.733251	140.02232	580.5343154	7.175161862	0.110506202	9.862190776
WV0063576	002	2004 to 2005	134.5134886	217.2193271	80.22600997	344.3881004	8.701841111	1.216428188	5.650557822
WV0063576	003	2003 to 2004	203.8008733	265.6330425	61.85163097	12566.28228	13.18412627	1.487544985	4.356395354
WV0063576	003	2004 to 2005	126.4806564	158.245575	50.03442195	15061.24426	8.182187431	0.886175189	3.52407398
WV0063576	004	2003 to 2004	15.51914262	28.92515997	17.94426228	718.614001	1.003952204	0.16198089	1.26386806
WV0063576	004	2004 to 2005	17.17500043	28.0776741	15.49697264	582.6234508	1.111071658	0.157234969	1.091498131
WV0063932	008	2003 to 2004	227.9388822	264.6305516	160.4125966	7947.119156	14.7456434	1.481931036	11.29833894
WV0063932	008	2004 to 2005	180.4195114	380.7374487	515.3401228	5032.280617	11.67155754	2.132129637	36.29694612
WV0063932	014	2003 to 2004	172.5637844	154.4118876	1093.629734	2924.38224	11.16336101	0.86470654	77.02761295

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0063932	014	2004 to 2005	114.6979686	50.240798	174.1742275	1188.407688	7.41995103	0.281348459	12.26761176
WV0063932	015	2003 to 2004	263.9811533	934.429821	1377.969837	11724.92559	17.07726174	5.232806811	97.05453681
WV0063932	015	2004 to 2005	597.2147289	414.9288434	687.78227	5614.904173	38.63454688	2.32360144	48.44256229
WV0063991	001	2003 to 2004	38.93168497	58.39752746	35.68737789	3461.675655	2.518538032	0.327026142	2.513568758
WV0063991	001	2004 to 2005	38.93168497	58.39752746	35.68737789	3461.675655	2.518538032	0.327026142	2.513568758
WV0063991	006	2003 to 2004	3.331038126	17.91722601	11.54237913	204.4129677	0.215488906	0.100336462	0.812964283
WV0063991	006	2004 to 2005	2.487518329	11.25536614	7.015705747	194.6800488	0.160920585	0.063030048	0.494137138
WV0063991	008	2003 to 2004	0.2167197	0.5056793	0.0722399	151.70379	0.014019861	0.002831804	0.005088072
WV0063991	008	2004 to 2005	0.2167197	0.5056793	0.0722399	151.70379	0.014019861	0.002831804	0.005088072
WV0064050	001	2003 to 2004	38.24000168	415.4605606	48.21851426	12996.85656	2.473792315	2.326579057	3.396174171
WV0064050	001	2004 to 2005	38.24000168	415.4605606	48.21851426	12996.85656	2.473792315	2.326579057	3.396174171
WV0064262	001	2003 to 2004	48.79437671	159.1200391	68.03431843	2229.679993	3.156567551	0.891072187	4.791860523
WV0064262	001	2004 to 2005	140.2081333	360.9832247	221.4960478	6776.996832	9.070234603	2.021505987	15.6006291
WV0064262	002	2003 to 2004	11.97365557	2.88527033	1.1463218	517.7913924	0.774590336	0.016157513	0.080738873
WV0064262	002	2004 to 2005	14.46960911	4.019335889	1.679830078	501.7861448	0.936056605	0.02250828	0.118315456
WV0064262	003	2003 to 2004	424.4772658	351.9738865	429.2827737	29800.4347	27.45995038	1.971053694	30.23566965
WV0064262	003	2004 to 2005	662.0621196	545.3607934	502.9685171	46360.06529	42.82960342	3.054020334	35.42557693
WV0064262	004	2003 to 2004	3.100115521	7.20957098	0.288382839	641.6518172	0.200550242	0.040373596	0.020311666
WV0064262	004	2004 to 2005	3.521154497	6.358841735	3.901819931	89.11029922	0.227787765	0.035609512	0.274816847
WV0064262	007	2003 to 2004	37.48452603	11.73849246	6.134689621	2621.00677	2.424919561	0.065735555	0.432084538
WV0064262	007	2004 to 2005	75.71131059	26.2788868	10.17270498	3134.361044	4.897856728	0.147161761	0.716494036
WV0064475	001	2003 to 2004	7.952156824	20.04441022	4.972801631	830.9030813	0.514434693	0.112248693	0.350249291
WV0064475	001	2004 to 2005	7.952156824	20.04441022	4.972801631	830.9030813	0.514434693	0.112248693	0.350249291
WV0064556	001	2003 to 2004	0.698877783	2.337703387	0.158159964	96.59698488	0.045211253	0.013091139	0.011139679
WV0064556	001	2004 to 2005	0.855685958	1.703711759	0.145543217	48.70966432	0.055355365	0.009540786	0.010251044
WV0064556	007	2003 to 2004	0.340043916	0.044136093	2.985978938	0	0.021997854	0.000247162	0.210311427
WV0064556	007	2004 to 2005	8.478455943	8.024252946	0.454202997	1695.691189	0.548481623	0.044935815	0.031990875
WV0064556	009	2003 to 2004	7.558694753	3.423014304	13.15674659	62.85169074	0.488981153	0.019168879	0.926669012
WV0064556	009	2004 to 2005	5.580207991	3.563330514	33.71916395	78.04360649	0.360990439	0.01995465	2.374941564
WV0064556	012	2003 to 2004	0.519089099	0.589382414	0	0	0.033580505	0.003300541	0
WV0064556	012	2004 to 2005	0.182041668	0.402384181	0.208176359	18.06898742	0.011776497	0.002253351	0.014662484

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0064556	013	2003 to 2004	0.878666479	2.415206311	0.813780335	63.66952543	0.056842003	0.013525155	0.057316983
WV0064556	013	2004 to 2005	14.1926357	50.99455867	2.482453635	1249.422298	0.918138858	0.285569518	0.174846634
WV0064556	014	2003 to 2004	3.189367311	2.600785977	3.769671119	53.53940961	0.206324049	0.014564401	0.265509211
WV0064556	014	2004 to 2005	3.714130832	85.22013695	38.15665627	269.2174031	0.240271639	0.47723275	2.687487419
WV0064556	250	2003 to 2004	98.34305919	4438.685234	3183.814285	22948.40335	6.36193206	24.85663643	224.2455622
WV0064556	250	2004 to 2005	98.34305919	4438.685234	3183.814285	22948.40335	6.36193206	24.85663643	224.2455622
WV0064572	001	2003 to 2004	41.23612431	1.423562571	4.781911802	437.6865014	2.667615014	0.00797195	0.33680435
WV0064572	001	2004 to 2005	15.34804122	3.417525911	3.467407183	205.8855268	0.992883446	0.019138144	0.244219858
WV0064572	002	2003 to 2004	6.802230184	2.011470299	0.346059409	295.7726484	0.44004454	0.011264233	0.024373999
WV0064572	002	2004 to 2005	3.412912609	3.13468866	0.662625106	73.07064182	0.220785466	0.017554256	0.046670668
WV0064572	003	2003 to 2004	18.14845645	11.28625567	5.320663417	1906.472721	1.174045712	0.063203029	0.374750237
WV0064572	003	2004 to 2005	4.145954044	2.382312667	1.400459198	300.0984027	0.268206808	0.01334095	0.09863853
WV0064572	007	2003 to 2004	37.84631538	15.00639439	5.002131464	1350.811441	2.448324154	0.084035806	0.352315079
WV0064572	007	2004 to 2005	9.34090045	2.642307786	1.742913799	222.3702068	0.604274206	0.014796923	0.122758632
WV0064572	009	2003 to 2004	215.7562446	11.64411266	33.01721357	1773.554476	13.95753377	0.065207029	2.325501099
WV0064572	009	2004 to 2005	83.84550856	3.456989297	22.3388559	494.0358533	5.424067884	0.019359139	1.573392432
WV0064599	001	2003 to 2004	136.5783826	170.4849102	113.9754927	1855.594156	8.835421614	0.954715463	8.027634829
WV0064599	001	2004 to 2005	245.644721	497.071322	446.8577576	8231.250192	15.89105564	2.783599304	31.47352833
WV0064602	001	2003 to 2004	703.2619342	185.1142548	135.0496836	2335.468412	45.49486951	1.03663979	9.511953124
WV0064602	001	2004 to 2005	703.2619342	207.8158842	205.2276466	7286.713378	45.49486951	1.16376891	14.45479694
WV0064602	002	2003 to 2004	38.24000168	653.014116	35.29806032	27355.99675	2.473792315	3.656878919	2.486147958
WV0064602	002	2004 to 2005	38.24000168	653.014116	35.29806032	27355.99675	2.473792315	3.656878919	2.486147958
WV0064602	003	2003 to 2004	984.2122144	1152.24329	902.1480697	35387.45963	63.66988471	6.452562196	63.54098669
WV0064602	003	2004 to 2005	600.7543322	528.4903987	547.1151211	16289.78547	38.86352812	2.959546127	38.53495428
WV0064602	005	2003 to 2004	94.00920285	148.3513425	40.52860378	1797.706532	6.081569625	0.830767488	2.854550777
WV0064602	005	2004 to 2005	94.00920285	58.1143864	24.51516371	1343.339724	6.081569625	0.325440552	1.7266763
WV0064840	004	2003 to 2004	8.651485176	7.3537624	0.648861388	129.7722776	0.559675094	0.041181068	0.045701248
WV0064840	004	2004 to 2005	8.651485176	7.3537624	0.648861388	129.7722776	0.559675094	0.041181068	0.045701248
WV0064840	005	2003 to 2004	51.9089133	141.4517887	23.35901098	389.3168497	3.35805071	0.792129989	1.645245005
WV0064840	005	2004 to 2005	51.9089133	141.4517887	23.35901098	389.3168497	3.35805071	0.792129989	1.645245005
WV0064840	006	2003 to 2004	168.3578977	234.926749	19.48098159	393.4262914	10.89127708	1.315589747	1.372103797

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0064840	006	2004 to 2005	8.775077766	13.85628035	3.621264496	221.5398149	0.567670449	0.077595167	0.255056489
WV0064840	007	2003 to 2004	97.32920571	108.1435619	14.05866305	2379.158362	6.296344646	0.605603925	0.990193685
WV0064840	007	2004 to 2005	9.516633722	22.38571792	0.4974604	806.7509936	0.615642605	0.125360016	0.035037624
WV0064840	009	2003 to 2004	46.53263096	80.40010465	2.311182461	1283.509627	3.010252469	0.45024057	0.162783493
WV0064840	009	2004 to 2005	12.42299235	7.341596443	1.120637724	381.3412567	0.803658478	0.041112939	0.078929867
WV0064840	010	2003 to 2004	1011.437313	1696.920081	541.8631821	11597.90624	65.43110942	9.502752114	38.16504452
WV0064840	010	2004 to 2005	865.6892409	1540.216707	1162.453207	29384.40905	56.00248946	8.625213251	81.87505603
WV0064840	011	2003 to 2004	406.6198178	127.0686931	20.33099089	1016.549545	26.30473036	0.711584656	1.431972494
WV0064840	011	2004 to 2005	406.6198178	127.0686931	20.33099089	1016.549545	26.30473036	0.711584656	1.431972494
WV0064840	014	2003 to 2004	2.595445497	2.043913329	0.973292061	48.66460307	0.167902525	0.011445914	0.068551871
WV0064840	014	2004 to 2005	2.37915843	2.508930705	2.649517377	58.93824266	0.153910651	0.014050011	0.186613433
WV0064858	001	2003 to 2004	449.66095	0	0	0	29.08911353	0	0
WV0064858	001	2004 to 2005	139.4633135	0	0	0	9.022051301	0	0
WV0064858	003	2003 to 2004	14.0009868	0	0	0	0.905740858	0	0
WV0064858	003	2004 to 2005	41.78595284	91.22306216	0	0	2.70318409	0.51084913	0
WV0064858	004	2003 to 2004	51.32060983	0	0	0	3.319992643	0	0
WV0064858	004	2004 to 2005	8.623151752	0	0	0	0.55784217	0	0
WV0064858	005	2003 to 2004	1742.903031	432.4857788	199.0500287	20754.51984	112.750516	2.421920275	14.01968884
WV0064858	005	2004 to 2005	67.37989064	0	0	0	4.358887043	0	0
WV0064858	010	2003 to 2004	449.66095	0	0	0	29.08911353	0	0
WV0064858	010	2004 to 2005	126.7577788	0	0	0	8.200114816	0	0
WV0064858	012	2003 to 2004	449.66095	0	0	0	29.08911353	0	0
WV0064858	012	2004 to 2005	126.7577788	0	0	0	8.200114816	0	0
WV0064912	001	2003 to 2004	164.5404368	0	0	6267.595611	10.64432089	0	0
WV0064912	001	2004 to 2005	53.31376987	1357.281925	0	2146.709345	3.448932589	7.600778511	0
WV0064947	004	2003 to 2004	63.99676673	0	0	0	4.140028644	0	0
WV0064947	004	2004 to 2005	67.74692592	0	0	0	4.382631001	0	0
WV0064955	004	2003 to 2004	44.89760246	99.08834201	109.6016985	667.4260222	2.904480488	0.554894695	7.719575423
WV0064955	004	2004 to 2005	43.41472447	121.7657181	73.61233943	605.6039466	2.808551308	0.681887997	5.184737225
WV0065005	003	2003 to 2004	84.23663102	53.96724594	16.69015755	1033.852524	5.449370072	0.302216567	1.175537713
WV0065005	003	2004 to 2005	84.23663102	53.96724594	16.69015755	1033.852524	5.449370072	0.302216567	1.175537713

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0065005	012	2003 to 2004	62.16993436	46.53778182	18.18794564	1026.823172	4.021848637	0.260611569	1.281031408
WV0065005	012	2004 to 2005	85.63168166	54.55842987	16.43782223	1587.45746	5.539617594	0.305527196	1.157764981
WV0065005	DSCS12	2003 to 2004	58.83009965	32.33492631	20.07865536	1005.735139	3.805790669	0.181075581	1.414199748
WV0065005	DSCS12	2004 to 2005	100.1769899	61.45258166	22.85434035	1370.719694	6.480571268	0.344134445	1.609699544
WV0065005	DSEF10	2003 to 2004	689.5954883	400.8521624	172.6692311	11282.97902	44.61077052	2.244772029	12.16161036
WV0065005	DSEF10	2004 to 2005	842.979115	591.1848373	106.4132714	22297.23741	54.5333438	3.310634971	7.495004962
WV0065005	USCS10	2003 to 2004	39.18401946	13.08537178	45.09586891	616.4183566	2.534861857	0.073278079	3.17623692
WV0065005	USCS10	2004 to 2005	75.69148422	42.92398401	13.3557305	948.9597792	4.896574136	0.240374302	0.940684043
WV0065005	USEF10	2003 to 2004	454.6355637	236.8344139	183.1231089	7216.780726	29.41092734	1.32627267	12.89790824
WV0065005	USEF10	2004 to 2005	723.8409344	524.1358116	93.24378684	19052.92984	46.82615006	2.93516044	6.56743878
WV0065137	001	2003 to 2004	504.5782228	145.6497226	72.45520699	13206.09919	32.64177868	0.815638418	5.103236927
WV0065137	001	2004 to 2005	13.74624888	5.278607678	1.608935938	283.9369417	0.889261552	0.029560202	0.11332217
WV0065137	002	2003 to 2004	275.1983324	69.03209182	33.35958568	5270.917298	17.8029147	0.3865797	2.349615391
WV0065137	002	2004 to 2005	275.1983324	69.03209182	33.35958568	5270.917298	17.8029147	0.3865797	2.349615391
WV0065137	003	2003 to 2004	1095.40422	158.7006851	41.54515401	13234.06908	70.86303076	0.888723805	2.92614945
WV0065137	003	2004 to 2005	514.1145231	113.626447	34.55186983	11521.70578	33.25869354	0.636308081	2.43359153
WV0065137	004	2003 to 2004	190.8283323	78.41309663	59.69614927	4454.974126	12.34491681	0.439113325	4.204578332
WV0065137	004	2004 to 2005	79.44947237	24.92889416	74.22163266	857.6685997	5.139682959	0.139601802	5.22765157
WV0065137	005	2003 to 2004	30.89301241	8.125186707	2.403490795	257.1113322	1.998506531	0.045501044	0.169285045
WV0065137	005	2004 to 2005	20.54727729	4.762822843	1.22021989	199.5248775	1.329228349	0.026671807	0.085943736
WV0065137	007	2003 to 2004	8.939868258	12.63837802	3.7273483	395.8054574	0.578330946	0.070774914	0.262528288
WV0065137	007	2004 to 2005	8.939868258	12.63837802	3.7273483	395.8054574	0.578330946	0.070774914	0.262528288
WV0065137	010	2003 to 2004	116.6869084	50.38273597	141.1530389	822.9725379	7.548617964	0.282143311	9.941830692
WV0065137	010	2004 to 2005	116.6869084	50.38273597	141.1530389	822.9725379	7.548617964	0.282143311	9.941830692
WV0065218	001	2003 to 2004	3.964290857	10.0735732	4.523717554	5.429527956	0.256454795	0.056412008	0.318618957
WV0065218	001	2004 to 2005	2.213993728	16.96772547	7.894480282	180.9602346	0.143225946	0.095019259	0.556031857
WV0065234	001	2003 to 2004	7.629528524	104.3801701	14.3985434	1275.012643	0.493563476	0.584528931	1.014132475
WV0065234	001	2004 to 2005	10.31329147	15.43749415	14.3985434	582.0376932	0.667179364	0.086449964	1.014132475
WV0065234	002	2003 to 2004	23.07882013	185.4219747	58.83501522	1694.904623	1.492996933	1.038363022	4.143926085
WV0065234	002	2004 to 2005	29.71244466	121.5984281	65.23760562	1777.835158	1.922134168	0.680951173	4.594879676
WV0065269	001	2003 to 2004	582.5333464	1555.82542	351.8270691	26387.03054	37.68479039	8.712622043	24.78023271

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0065269	001	2004 to 2005	583.9752748	1119.826665	306.0463021	7353.762702	37.7780705	6.271029102	21.55575638
WV0065269	002	2003 to 2004	44.89039476	347.8870445	240.4824573	1999.574563	2.904014213	1.948167379	16.9378987
WV0065269	002	2004 to 2005	13.25479635	94.22188407	83.26694079	636.9656023	0.85746889	0.527642532	5.864739674
WV0065536	003	2003 to 2004	0.778633649	1.297722748	0.25954455	19.46584123	0.050370757	0.007267247	0.018280499
WV0065536	003	2004 to 2005	0.778633649	1.297722748	0.25954455	19.46584123	0.050370757	0.007267247	0.018280499
WV0065536	005	2003 to 2004	2.271014859	7.245618835	3.785024765	162.2153471	0.146914712	0.040575464	0.266590614
WV0065536	005	2004 to 2005	2.271014859	7.245618835	3.785024765	162.2153471	0.146914712	0.040575464	0.266590614
WV0065536	006	2003 to 2004	42.59955371	316.1414984	208.1096825	4182.975142	2.75581692	1.770392328	14.65778735
WV0065536	006	2004 to 2005	10.13665684	99.47585819	71.94971611	1068.653084	0.655752655	0.557064786	5.067633692
WV0065536	010	2003 to 2004	1.801671829	2.522340561	0.360334366	108.1003097	0.116552341	0.014125107	0.025379427
WV0065536	010	2004 to 2005	1.801671829	2.522340561	0.360334366	108.1003097	0.116552341	0.014125107	0.025379427
WV0065536	013	2003 to 2004	1.962805687	3.109127482	0.405538366	130.9402275	0.126976286	0.017411113	0.02856328
WV0065536	013	2004 to 2005	1.962805687	3.109127482	0.405538366	130.9402275	0.126976286	0.017411113	0.02856328
WV0065617	001	2003 to 2004	425.2367184	618.6598439	208.5794458	20797.49806	27.5090803	3.464495002	14.69087419
WV0065617	001	2004 to 2005	87.03754815	118.7055886	112.7216436	5851.828727	5.630564806	0.664751272	7.939322488
WV0065617	003	2003 to 2004	245.1344286	257.7493763	134.5168327	20815.97894	15.85804421	1.443396456	9.474422841
WV0065617	003	2004 to 2005	102.6642916	81.94578787	48.35819853	6993.716612	6.641477835	0.458896396	3.406012551
WV0065617	004	2003 to 2004	107.5132458	157.0633936	93.15703376	7933.44899	6.955162582	0.879554973	6.5613285
WV0065617	004	2004 to 2005	42.48075936	34.11437961	27.92070247	2261.517907	2.748131969	0.191040519	1.96653858
WV0065617	006	2003 to 2004	216.61967	177.0113538	31.29871387	8515.991156	14.01338981	0.991263546	2.204462026
WV0065617	006	2004 to 2005	11.87776857	8.399150402	1.081435645	833.5525867	0.768387289	0.047035241	0.076168747
WV0065676	001	2003 to 2004	144.7157546	166.8330803	17.62838452	6166.641074	9.361838104	0.934265217	1.241619845
WV0065676	001	2004 to 2005	127.306604	203.1109168	7.262921786	13565.96129	8.235618984	1.137421094	0.511549303
WV0065676	002	2003 to 2004	64.88614106	100.3932794	7.750289018	3020.377753	4.197563351	0.562202345	0.545876035
WV0065676	002	2004 to 2005	17.51925778	24.5269608	6.498527093	825.9464901	1.133342085	0.137350976	0.457710699
WV0065676	003	2003 to 2004	52.35500401	42.89920065	10.46829725	1062.916073	3.38690886	0.240235515	0.737313484
WV0065676	003	2004 to 2005	5.580208098	2.932853537	3.088580241	116.5787672	0.360990446	0.016423979	0.217537944
WV0065862	001	2003 to 2004	930.0274641	450.4035346	28.52827299	14492.02917	60.16460734	2.522259704	2.009331589
WV0065862	001	2004 to 2005	631.6665865	345.9335803	39.84795549	18514.2871	40.86327943	1.93722798	2.806610682
WV0065862	003	2003 to 2004	58.4840411	77.71917675	4.123874627	4181.262867	3.783403721	0.435227374	0.290456824
WV0065862	003	2004 to 2005	26.78067293	39.3469555	4.842668979	3469.885851	1.732474291	0.220342943	0.34108366



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0065862	004	2003 to 2004	1193.292141	1365.730677	539.4705762	51789.51951	77.19551937	7.648091519	37.99652612
WV0065862	004	2004 to 2005	439.0088085	473.360613	461.8415181	21123.08809	28.40001355	2.650819338	32.52887939
WV0065862	005	2003 to 2004	33.74079364	31.18000031	1.297722832	1167.950549	2.182732961	0.174607992	0.0914025
WV0065862	005	2004 to 2005	33.74079364	31.18000031	1.297722832	1167.950549	2.182732961	0.174607992	0.0914025
WV0065862	006	2003 to 2004	209.3659413	401.4289122	10.38178221	13150.25747	13.54413728	2.248001828	0.731219971
WV0065862	006	2004 to 2005	362.929807	422.1924793	9.516633806	26062.5994	23.47837045	2.3642778	0.670284981
WV0065862	009	2003 to 2004	0.713747512	0.454202962	0.454202962	19.46584123	0.046173194	0.002543536	0.031990873
WV0065862	009	2004 to 2005	4.542029717	7.13747527	0.216287129	569.7002989	0.293829424	0.03996986	0.015233749
WV0065889	006	2003 to 2004	182.2759819	66.22711989	23.78437509	1793.741295	11.79165487	0.370871858	1.675204672
WV0065889	006	2004 to 2005	85.685754	75.13815133	20.60855881	1170.473882	5.543115599	0.420773632	1.451522433
WV0065889	007	2003 to 2004	59.02115365	21.96756291	25.24791765	583.6147779	3.818150185	0.123018348	1.778286351
WV0065889	007	2004 to 2005	83.18042592	41.1342076	25.42455229	1334.491603	5.38104288	0.230351554	1.790727257
WV0065889	008	2003 to 2004	201.4534412	60.04851814	32.59086637	2933.214008	13.03226803	0.33627169	2.295472191
WV0065889	008	2004 to 2005	61.27775	8.334264243	2.343110601	1169.752911	3.964132146	0.046671878	0.165032287
WV0065889	009	2003 to 2004	5.839752368	0.519089099	0.129772275	51.90890994	0.37778068	0.002906899	0.009140249
WV0065889	009	2004 to 2005	5.839752368	0.519089099	0.129772275	51.90890994	0.37778068	0.002906899	0.009140249
WV0065889	011	2003 to 2004	56.76095266	24.05473363	14.89136876	830.903059	3.671935035	0.134706504	1.048843639
WV0065889	011	2004 to 2005	43.93152132	13.77388558	4.033755015	806.0300432	2.841983524	0.077133757	0.28410943
WV0065889	013	2003 to 2004	481.2100138	241.9207521	107.6677305	4059.348894	31.13006082	1.354756164	7.583360271
WV0065889	013	2004 to 2005	75.78701097	29.35737324	17.98067022	1297.001827	4.902753878	0.164401284	1.26643238
WV0065986	001	2003 to 2004	396.0758134	140.8344668	355.2741484	3399.763402	25.6226259	0.788672986	25.02302082
WV0065986	001	2004 to 2005	339.5167241	155.7267345	331.8520482	2469.818811	21.96374965	0.872069682	23.37333225
WV0065986	007	2003 to 2004	1.730297091	1.384237673	0.519089127	25.95445637	0.111935022	0.007751731	0.036561
WV0065986	007	2004 to 2005	1.730297091	1.384237673	0.519089127	25.95445637	0.111935022	0.007751731	0.036561
WV0065986	009	2003 to 2004	23.35900947	11.41996017	1.167950474	129.7722755	1.511122722	0.063951775	0.082262245
WV0065986	009	2004 to 2005	23.35900947	11.41996017	1.167950474	129.7722755	1.511122722	0.063951775	0.082262245
WV0066010	001	2003 to 2004	79.68138128	52.68514209	8.763233625	3509.889559	5.154685428	0.295036785	0.617220753
WV0066010	001	2004 to 2005	6.677865138	6.272326774	0.729969065	176.0036519	0.431999214	0.035125029	0.051413904
WV0066010	002	2003 to 2004	12.72540802	18.82316026	1.293088099	710.3101141	0.823222115	0.105409694	0.091076062
WV0066010	002	2004 to 2005	4.001311971	5.277406065	0.713747547	201.6877485	0.258849736	0.029553473	0.050271374
WV0066010	004	2003 to 2004	211.0601921	290.9061908	100.3932767	16612.80434	13.65374042	1.62907461	7.07099873

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0066010	004	2004 to 2005	149.211086	142.6999421	96.7592036	4017.082837	9.652646558	0.799119647	6.815040096
WV0066010	006	2003 to 2004	570.5924956	673.4865973	501.2679567	35072.31106	36.91232224	3.771524811	35.30580138
WV0066010	006	2004 to 2005	200.2142938	206.0900942	106.1564284	7690.809929	12.95210608	1.154104487	7.476914741
WV0066010	011	2003 to 2004	456.2865483	100.9430085	64.99158067	7492.186304	29.51773154	0.565280828	4.577551403
WV0066010	011	2004 to 2005	13.10699976	0.778633649	0.25954455	129.7722748	0.847907749	0.004360348	0.018280499
WV0066036	001	2003 to 2004	1502.561713	9132.356996	1515.87981	80339.85847	97.20254396	51.14119736	106.7679487
WV0066036	001	2004 to 2005	1730.297134	6455.188057	2223.825066	57611.02957	111.9350252	36.14905183	156.6306504
WV0066036	002	2003 to 2004	62.72326725	107.0080567	17.73554456	913.8131126	4.057644414	0.599245096	1.249167446
WV0066036	002	2004 to 2005	67.91415858	31.4211127	9.668034676	698.0667097	4.393449485	0.175958225	0.680948597
WV0066036	003	2003 to 2004	33.48124688	7.629528314	1.822219025	182.2219025	2.165942566	0.042725357	0.128344336
WV0066036	003	2004 to 2005	33.48124688	7.629528314	1.822219025	182.2219025	2.165942566	0.042725357	0.128344336
WV0066150	002	2003 to 2004	327.5290045	33.0351553	159.0818861	7506.717898	21.1882495	0.184996863	11.20461302
WV0066150	002	2004 to 2005	164.5247069	53.62544534	224.2671464	1638.424197	10.64330331	0.300302483	15.79580586
WV0066150	003	2003 to 2004	21.29346792	93.26301001	25.07578924	696.5121523	1.377500327	0.522272837	1.766162833
WV0066150	003	2004 to 2005	27.85598005	49.21613672	22.79245815	295.412172	1.802037215	0.275610356	1.605340995
WV0066150	004	2003 to 2004	34.06522267	21.12043806	14.30739352	1124.152348	2.20372067	0.118274449	1.007712516
WV0066150	004	2004 to 2005	34.06522267	21.12043806	14.30739352	1124.152348	2.20372067	0.118274449	1.007712516
WV0066150	008	2003 to 2004	35.09799436	76.60349506	9.157056479	1773.486887	2.270531926	0.428979557	0.644958875
WV0066150	008	2004 to 2005	10.05440225	23.34131399	2.799443672	455.5301934	0.650431505	0.130711354	0.19717319
WV0066192	001	2003 to 2004	2.335901031	0	0	125.987252	0.151112278	0	0
WV0066192	001	2004 to 2005	2.335901031	0	0	125.987252	0.151112278	0	0
WV0066231	001	2003 to 2004	48.65108617	15.55915535	350.6555078	844.8716075	3.147297912	0.087131267	24.69771615
WV0066231	001	2004 to 2005	158.1022911	72.31199813	300.1596856	6238.081492	10.22782943	0.404947175	21.14114437
WV0066231	002	2003 to 2004	29.32853389	6.683272106	3.741767232	164.3782139	1.897298514	0.037426322	0.263543857
WV0066231	002	2004 to 2005	29.32853389	6.683272106	3.741767232	164.3782139	1.897298514	0.037426322	0.263543857
WV0066346	001	2003 to 2004	3.849911028	1.71299412	0.320104962	48.44831855	0.249055425	0.009592767	0.02254595
WV0066346	001	2004 to 2005	5.133214562	3.503851549	1.203998356	129.77228	0.332073891	0.019621568	0.084801205
WV0066346	002	2003 to 2004	31.54646118	22.18319458	3.802721044	675.9956001	2.040778927	0.124225885	0.267837016
WV0066346	002	2004 to 2005	28.58234375	11.16402049	2.097985123	353.9899304	1.849026566	0.062518513	0.147767367
WV0066346	003	2003 to 2004	101.9829876	48.96019745	16.65410918	1688.481553	6.597403456	0.274177096	1.172998718
WV0066346	003	2004 to 2005	70.31855317	55.71556644	28.42373453	1203.998399	4.548992695	0.312007161	2.001968632

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0066371	002	2003 to 2004	316.1166241	28.25358819	66.71809209	2612.964885	20.44996873	0.158220088	4.699154766
WV0066371	002	2004 to 2005	316.1166241	28.25358819	66.71809209	2612.964885	20.44996873	0.158220088	4.699154766
WV0066567	001	2003 to 2004	3615.960414	5078.061467	549.0088455	31577.92178	233.9208753	28.4371432	38.66833496
WV0066567	001	2004 to 2005	4165.690171	5177.127438	433.754011	44043.92522	269.4835616	28.99191262	30.55059226
WV0066567	002	2003 to 2004	4279.961922	5270.016345	246.7475714	34209.41543	276.8759401	29.51209048	17.37916942
WV0066567	002	2004 to 2005	3081.108574	5757.956791	372.4071236	41055.23074	199.3206595	32.24455688	26.22974751
WV0066630	001	2003 to 2004	66.68853133	25.05325875	10.81435627	1467.147667	4.314162169	0.140298244	0.761687455
WV0066630	001	2004 to 2005	66.68853133	25.05325875	10.81435627	1467.147667	4.314162169	0.140298244	0.761687455
WV0066630	004	2003 to 2004	148.5171639	58.14969632	9.503115846	1485.171629	9.607755891	0.325638288	0.669332871
WV0066630	004	2004 to 2005	71.17812921	44.02426266	7.304606347	1894.478645	4.604599714	0.246535862	0.514485272
WV0066630	005	2003 to 2004	28.11732654	42.1489538	2.757660879	502.8675752	1.818944038	0.236034133	0.194230303
WV0066630	005	2004 to 2005	28.11732654	42.1489538	2.757660879	502.8675752	1.818944038	0.236034133	0.194230303
WV0066630	006	2003 to 2004	1167.373772	2228.094534	2631.453803	15887.55174	75.51882857	12.47732895	185.3411615
WV0066630	006	2004 to 2005	5.893824388	3.390300815	0.39472402	117.8764892	0.381278665	0.018985684	0.027801593
WV0066656	001	2003 to 2004	360.4771013	1117.479014	1117.479014	10814.31304	23.31970193	6.257882255	78.7073891
WV0066656	001	2004 to 2005	360.4771013	1117.479014	1117.479014	10814.31304	23.31970193	6.257882255	78.7073891
WV0066656	011	2003 to 2004	11156.68	4067.082826	6667.935559	127754.0237	721.7391927	22.77566301	469.6426438
WV0066656	011	2004 to 2005	2626.987416	4353.67973	5104.376317	83484.12858	169.9430097	24.38060562	359.5164901
WV0066656	DPF	2003 to 2004	42156.27221	31061.71088	11611.23045	789.2000122	2727.140501	173.9455747	817.8136873
WV0066656	DPF	2004 to 2005	16404.65674	26363.89207	15952.05438	789.2000122	1061.237188	147.6377903	1123.550899
WV0066656	UPF	2003 to 2004	16992.94695	21038.68898	5249.353581	789.2000122	1099.294398	117.8166541	369.7276724
WV0066656	UPF	2004 to 2005	7196.331465	7817.412965	5373.619276	789.2000122	465.5394314	43.77751105	378.480077
WV0066699	001	2003 to 2004	127.0596769	57.13044284	42.19040952	1243.714081	8.21964497	0.319930469	2.971596725
WV0066699	001	2004 to 2005	237.2723846	68.37106452	79.29626783	1364.358133	15.34943903	0.382877948	5.585073302
WV0066699	002	2003 to 2004	88.2451526	24.65673382	24.65673382	606.0365627	5.708686206	0.138077704	1.736647506
WV0066699	002	2004 to 2005	88.2451526	24.65673382	24.65673382	606.0365627	5.708686206	0.138077704	1.736647506
WV0066699	003	2003 to 2004	97.1165276	22.4686283	26.72948486	445.6199867	6.28258624	0.125824314	1.882637561
WV0066699	003	2004 to 2005	59.23023136	19.83713477	19.1233872	472.1043435	3.831675676	0.111087951	1.346917355
WV0066699	004	2003 to 2004	1683.721136	773.3164877	412.2677593	14317.13554	108.9219673	4.330572176	29.0372513
WV0066699	004	2004 to 2005	1314.790011	551.4348569	597.0736001	8625.775261	85.05536429	3.088035089	42.05367938
WV0066699	014	2003 to 2004	33.37001371	81.49389911	6.643104645	1472.683588	2.158746756	0.456365819	0.467893728

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0066699	014	2004 to 2005	47.96707974	107.8137304	17.9139821	3902.901359	3.103048704	0.603756869	1.261735336
WV0066699	019	2003 to 2004	145.0709898	64.63921195	34.84025256	1265.009366	9.384818698	0.361979574	2.453903188
WV0066699	019	2004 to 2005	116.1317715	24.81894842	10.72243464	1438.372522	7.512705486	0.138986106	0.75521314
WV0066699	028	2003 to 2004	454.5634545	2513.076223	1433.623202	13509.83494	29.40626251	14.07322634	100.9743698
WV0066699	028	2004 to 2005	294.6407588	2817.565333	1709.843547	18656.05255	19.0606689	15.7783653	120.4293948
WV0066699	029	2003 to 2004	5.536950692	9.689663711	2.768475346	968.9663711	0.358192072	0.054262115	0.194991999
WV0066699	029	2004 to 2005	5.536950692	9.689663711	2.768475346	968.9663711	0.358192072	0.054262115	0.194991999
WV0066699	032	2003 to 2004	2.854990075	16.41619293	10.2303811	71.37475186	0.184692779	0.091930677	0.720556338
WV0066699	032	2004 to 2005	2.854990075	16.41619293	10.2303811	71.37475186	0.184692779	0.091930677	0.720556338
WV0066699	033	2003 to 2004	87.73327046	90.19894457	25.56513897	3817.46791	5.675571928	0.505114072	1.800629198
WV0066699	033	2004 to 2005	206.4028077	91.99412698	19.35409367	3869.917538	13.35244856	0.515167093	1.363166702
WV0066702	015	2003 to 2004	148.2756441	91.20828291	28.45257288	2479.191246	9.592131686	0.510766366	2.003999804
WV0066702	015	2004 to 2005	31.50870957	46.41132565	5.844510912	3041.152106	2.038336729	0.259903414	0.411646383
WV0066702	016	2003 to 2004	101.52345	113.0602057	8.075728976	1308.268094	6.567675407	0.633137129	0.568797745
WV0066702	016	2004 to 2005	101.52345	113.0602057	8.075728976	1308.268094	6.567675407	0.633137129	0.568797745
WV0066702	021	2003 to 2004	5.407178095	1.622153429	0.54071781	270.3589048	0.349796925	0.009084059	0.038084372
WV0066702	021	2004 to 2005	11.75529227	21.98701465	2.561575032	1071.277786	0.760464149	0.123127278	0.180419391
WV0066711	006	2003 to 2004	225.4432821	245.8824172	56.82944307	8528.201484	14.5842	1.376941487	4.00266764
WV0066711	006	2004 to 2005	166.4401599	225.537015	49.65592104	6440.720827	10.76721629	1.263007239	3.497415029
WV0066711	007	2003 to 2004	29.64335298	29.06658769	3.388498426	840.0351925	1.917664543	0.162772885	0.238662078
WV0066711	007	2004 to 2005	10.45099405	21.15720686	2.803081198	417.6720713	0.676087511	0.118480354	0.197429392
WV0066711	008	2003 to 2004	14.81134307	11.73357711	2.995576836	383.9312892	0.95816379	0.065708029	0.210987436
WV0066711	008	2004 to 2005	3.280354782	4.217599	1.021355887	125.8670929	0.212210139	0.023618554	0.07193715
WV0066711	011	2003 to 2004	33.71015138	24.17549384	7.21317577	790.7655705	2.180750676	0.135382761	0.508045543
WV0066711	011	2004 to 2005	9.09487379	10.02851329	2.781092014	349.2388292	0.588358443	0.056159672	0.195880628
WV0066711	012	2003 to 2004	219.8162178	226.9843352	47.55793625	8135.64054	14.22017837	1.271112232	3.349647686
WV0066711	012	2004 to 2005	279.4844304	322.2534092	79.60988645	12356.90749	18.08018759	1.804619027	5.607162399
WV0066737	001	2003 to 2004	28.76618884	14.4239486	2.359932956	790.1689929	1.860919729	0.080774109	0.166217136
WV0066737	001	2004 to 2005	28.76618884	14.4239486	2.359932956	790.1689929	1.860919729	0.080774109	0.166217136
WV0066737	041	2003 to 2004	41.65209531	11.2517372	2.571413665	795.9366439	2.694524684	0.063009726	0.181112355
WV0066737	041	2004 to 2005	41.65209531	11.2517372	2.571413665	795.9366439	2.694524684	0.063009726	0.181112355

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0066770	032	2003 to 2004	1.846100796	1.30177819	2.725217772	26.85565242	0.119426505	0.007289958	0.191945238
WV0066770	032	2004 to 2005	2.56398564	0.912010735	2.725217772	41.63527285	0.165867348	0.00510726	0.191945238
WV0066842	007	2003 to 2004	0	2.595445518	0.454202969	175.1925717	0	0.014534494	0.031990874
WV0066842	007	2004 to 2005	0	2.595445518	0.454202969	175.1925717	0	0.014534494	0.031990874
WV0066842	011	2003 to 2004	15.64621098	11.4740323	9.443096135	953.1773836	1.01217241	0.064254579	0.665105503
WV0066842	011	2004 to 2005	15.64621098	11.4740323	9.443096135	953.1773836	1.01217241	0.064254579	0.665105503
WV0066842	013	2003 to 2004	9.516633671	15.37801516	76.13307009	918.7877428	0.615642602	0.086116882	5.362279825
WV0066842	013	2004 to 2005	9.516633671	15.37801516	76.13307009	918.7877428	0.615642602	0.086116882	5.362279825
WV0066842	015	2003 to 2004	1.297722832	8.195119554	35.2028938	310.2638876	0.083951268	0.045892668	2.479445095
WV0066842	015	2004 to 2005	1.297722832	8.195119554	35.2028938	310.2638876	0.083951268	0.045892668	2.479445095
WV0066885	001	2003 to 2004	436.0516861	53.25710236	467.3442256	1762.740148	28.20871371	0.298239763	32.91645153
WV0066885	001	2004 to 2005	726.9868229	49.8616438	781.0656439	3387.294932	47.02966141	0.279225195	55.0127893
WV0066885	002	2003 to 2004	11.79643563	12.25063835	39.96039978	543.4214242	0.763125762	0.068603572	2.81453047
WV0066885	002	2004 to 2005	37.50734245	9.759115494	44.67891293	382.8260586	2.426395583	0.054651045	3.146869463
WV0066885	003	2003 to 2004	97.1627908	417.7970468	444.4850822	7320.718728	6.285579063	2.339663379	31.3064137
WV0066885	003	2004 to 2005	1869.906557	726.1410544	814.2101532	8292.909344	120.9665285	4.06638976	57.34725622
WV0066885	004	2003 to 2004	58.89618775	18.42105472	251.6909302	982.9048542	3.810065989	0.103157903	17.72734497
WV0066885	004	2004 to 2005	141.0026938	61.00309677	171.0380963	1261.759185	9.121635688	0.34161733	12.04672466
WV0066885	005	2003 to 2004	65606.3787	57910.88219	12905.85375	45420.29976	4244.156399	324.3009287	908.997878
WV0066885	005	2004 to 2005	74495.78022	97030.73752	12386.76461	19465.84275	4819.222591	543.3721107	872.4368774
WV0066885	010	2003 to 2004	81.10767702	46.65313582	17.90857509	2011.47039	5.246954234	0.261257551	1.261354504
WV0066885	010	2004 to 2005	81.10767702	46.65313582	17.90857509	2011.47039	5.246954234	0.261257551	1.261354504
WV0066885	015	2003 to 2004	69.36017461	21.1777544	94.25955483	839.599615	4.486994021	0.11859542	6.638982357
WV0066885	015	2004 to 2005	125.6894089	11.59839753	85.71504088	825.8852066	8.13100067	0.064951024	6.037166685
WV0066885	016	2003 to 2004	685.2254458	6.758972876	255.5633289	2921.642871	44.32806716	0.037850247	18.00008959
WV0066885	016	2004 to 2005	685.2254458	6.758972876	255.5633289	2921.642871	44.32806716	0.037850247	18.00008959
WV0066885	018	2003 to 2004	2224.361756	29.60394128	418.4133212	6589.295728	143.8966663	0.165782065	29.4701016
WV0066885	018	2004 to 2005	2224.361756	29.60394128	418.4133212	6589.295728	143.8966663	0.165782065	29.4701016
WV0066885	DUTBC36	2003 to 2004	15647.18504	1756.494906	2177.335607	789.2000122	1012.235423	9.836371121	153.3562588
WV0066885	DUTBC36	2004 to 2005	15647.18504	1756.494906	2177.335607	789.2000122	1012.235423	9.836371121	153.3562588
WV0066885	DUTBC39	2003 to 2004	8575.956196	985.5078295	3875.24367	789.2000122	554.7890326	5.518843649	272.9450017

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0066885	DUTBC39	2004 to 2005	8575.956196	985.5078295	3875.24367	789.2000122	554.7890326	5.518843649	272.9450017
WV0066885	UUTBC38	2003 to 2004	10877.1339	1337.762945	1616.719267	789.2000122	703.6550162	7.491472222	113.8703732
WV0066885	UUTBC38	2004 to 2005	10877.1339	1337.762945	1616.719267	789.2000122	703.6550162	7.491472222	113.8703732
WV0066885	UUTBC40A	2003 to 2004	4901.965557	568.2280866	1972.177375	789.2000122	317.1141115	3.182077171	138.9063509
WV0066885	UUTBC40A	2004 to 2005	4901.965557	568.2280866	1972.177375	789.2000122	317.1141115	3.182077171	138.9063509
WV0066974	010	2003 to 2004	138.1231262	100.5114425	31.62234123	1112.586413	8.935352956	0.562864058	2.227256069
WV0066974	010	2004 to 2005	54.14387957	84.28619598	23.2067086	1162.903844	3.502633395	0.472002681	1.634517893
WV0066974	011	2003 to 2004	239.1054245	197.4890778	58.10013117	3698.915496	15.4680206	1.105938796	4.092166004
WV0066974	011	2004 to 2005	226.921249	248.3030331	76.93243129	4616.829046	14.67981148	1.390496936	5.418581225
WV0066974	012	2003 to 2004	95.16633806	32.11863909	13.08537148	356.8737677	6.156426108	0.179864373	0.921641849
WV0066974	012	2004 to 2005	19.66246667	9.746684701	4.330658299	214.8124491	1.271988873	0.054581432	0.305021216
WV0066974	013	2003 to 2004	231.2109529	92.02612239	36.79449786	2523.665362	14.95731764	0.515346267	2.591546529
WV0066974	013	2004 to 2005	43.76209704	29.18344281	12.76905178	782.2384693	2.831023262	0.163427274	0.899362506
WV0066974	014	2003 to 2004	101.6549519	74.7542395	16.19449889	2410.249698	6.576182428	0.418623726	1.140626991
WV0066974	014	2004 to 2005	89.61496973	66.93005471	6.322793819	1956.948011	5.797301341	0.374808293	0.445333279
WV0067601	002	2003 to 2004	0.010814357	0.074619062	0.247648771	789.2000122	0.000699594	0.000417867	0.017442644
WV0067601	002	2004 to 2005	0.735376264	0.592626754	1.09441291	789.2000122	0.047572385	0.00331871	0.077082774
WV0067601	003	2003 to 2004	12061.42322	1565.441215	3772.984875	77205.49493	780.2681321	8.766470489	265.7426089
WV0067601	003	2004 to 2005	22582.10813	965.5058109	2065.109651	53639.21172	1460.864029	5.406832348	145.451849
WV0067601	005	2003 to 2004	14013.73486	6037.969868	7081.368585	94065.24095	906.5655455	33.81263005	498.7619683
WV0067601	005	2004 to 2005	21549.55331	3030.615462	3741.335017	53639.21172	1394.066802	16.97144598	263.5134148
WV0067709	001	2003 to 2004	2.248665209	156.3274708	43.88902973	259.0939605	0.145468886	0.875433805	3.091235627
WV0067709	001	2004 to 2005	3.451942483	228.2982685	50.95724635	409.1431417	0.223310356	1.278470258	3.589071263
WV0067709	002	2003 to 2004	40.35532878	164.7085556	25.22489801	4861.918374	2.610635281	0.922367879	1.776665009
WV0067709	002	2004 to 2005	12.15533662	43.53859868	10.85761386	507.1933121	0.786343504	0.243816144	0.764734217
WV0067709	005	2003 to 2004	82.57464114	29.70974091	73.91861407	1196.824839	5.341853926	0.166374543	5.206309064
WV0067709	005	2004 to 2005	74.2802088	54.56203237	112.5918683	727.4456994	4.805277014	0.30554737	7.930182026
WV0067709	012	2003 to 2004	393.0802442	2586.648	508.188	313.0756283	25.42883889	14.48522828	35.79320072
WV0067709	012	2004 to 2005	1191330.004	2586.648	508.188	476783.3433	77068.58631	14.48522828	35.79320072
WV0067881	015	2003 to 2004	71.34545962	138.1539367	40.93459941	1306.491597	4.615424521	0.773662018	2.883146263
WV0067881	015	2004 to 2005	71.34545962	138.1539367	40.93459941	1306.491597	4.615424521	0.773662018	2.883146263

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0067881	017	2003 to 2004	8470.139446	563.3207404	3009.68321	65507.87669	547.9436184	3.154596034	211.9809898
WV0067881	017	2004 to 2005	8470.139446	563.3207404	3009.68321	65507.87669	547.9436184	3.154596034	211.9809898
WV0067881	018	2003 to 2004	7685.411791	2198.483613	6134.119356	60083.7301	497.1786323	12.31150779	432.0443721
WV0067881	018	2004 to 2005	7685.411791	2198.483613	6134.119356	60083.7301	497.1786323	12.31150779	432.0443721
WV0067881	021	2003 to 2004	6.204917339	11.49494012	7.099745248	134.5814233	0.401403646	0.064371662	0.500056292
WV0067881	021	2004 to 2005	6.204917339	11.49494012	7.099745248	134.5814233	0.401403646	0.064371662	0.500056292
WV0067954	001	2003 to 2004	232.7267549	14.05253558	130.5595639	4300.058561	15.05537672	0.078694196	9.195700563
WV0067954	001	2004 to 2005	172.1001201	6.97435871	98.09207089	2463.870883	11.133366	0.039056407	6.908917925
WV0067954	002	2003 to 2004	31.82944465	10.1990198	58.02731491	1295.01923	2.059085471	0.057114509	4.087037337
WV0067954	002	2004 to 2005	106.9062237	6.144672323	142.0659464	1589.710432	6.915893586	0.034410164	10.0061295
WV0068209	001	2003 to 2004	164.7813019	255.857847	63.56875484	2678.027967	10.65990275	1.432803892	4.477337524
WV0068209	001	2004 to 2005	98.12226429	154.5972379	50.56312523	2018.679919	6.347648569	0.865744501	3.561312134
WV0068306	001	2003 to 2004	145.7180514	639.5718785	1352.243399	6780.601734	9.426677905	3.581602392	95.24254685
WV0068306	001	2004 to 2005	120.346882	305.5694832	360.7516068	3258.464033	7.785386108	1.711189045	25.4088146
WV0068306	009	2003 to 2004	4.849157526	48.84087874	69.40329695	269.818196	0.313697896	0.273508911	4.888281775
WV0068306	009	2004 to 2005	26.00852708	89.09497642	107.0017484	1065.664704	1.682523237	0.49893185	7.536453161
WV0068306	012	2003 to 2004	64.00260702	114.3996722	31.86125756	3736.900978	4.140406459	0.640638142	2.24408366
WV0068306	012	2004 to 2005	27.03733373	64.56351178	16.6917794	1639.456473	1.74907799	0.361555653	1.175651945
WV0068306	013	2003 to 2004	27.23703844	104.3325861	149.0477877	474.2095337	1.76199713	0.584262462	10.49788146
WV0068306	013	2004 to 2005	22.36318802	88.06058369	81.54529415	824.9551587	1.446701821	0.493139251	5.743478952
WV0068306	014	2003 to 2004	20.12119224	37.20787592	22.13915117	1130.100283	1.301664389	0.208364098	1.55932663
WV0068306	014	2004 to 2005	14.00026628	24.43157857	7.7158273	880.8834357	0.905694247	0.136816835	0.543448793
WV0068306	015	2003 to 2004	21.69792474	60.90645533	38.96520749	1058.184773	1.403665131	0.341076138	2.7444361
WV0068306	015	2004 to 2005	29.76092903	71.8702313	38.21368251	1038.971277	1.925270681	0.402473281	2.691503948
WV0068306	016	2003 to 2004	23.82402802	68.17154231	59.44543775	884.6143825	1.541205337	0.381760623	4.18691997
WV0068306	016	2004 to 2005	45.50951724	100.9925747	36.00369736	1823.570912	2.944065999	0.565558398	2.535848085
WV0068306	018	2003 to 2004	10.45575251	33.9103617	22.01543471	558.9940908	0.676395341	0.189898019	1.55061291
WV0068306	018	2004 to 2005	6.313151074	24.59391965	14.25088873	373.4332494	0.408405418	0.137725945	1.003732715
WV0068306	019	2003 to 2004	23.19997429	50.25954916	134.0254396	1143.038075	1.500834542	0.281453465	9.439812555
WV0068306	019	2004 to 2005	21.87803362	37.52247524	44.54787438	743.7328058	1.415316593	0.210125854	3.137640026
WV0068462	004	2003 to 2004	13.40980253	4.022940758	6.704901263	402.2940758	0.867496428	0.022528467	0.472246249

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0068462	004	2004 to 2005	13.40980253	4.022940758	6.704901263	402.2940758	0.867496428	0.022528467	0.472246249
WV0068462	006	2003 to 2004	11.50647536	2.465673292	4.109455487	246.5673292	0.74436788	0.01380777	0.28944124
WV0068462	006	2004 to 2005	11.50647536	2.465673292	4.109455487	246.5673292	0.74436788	0.01380777	0.28944124
WV0068462	009	2003 to 2004	21.02311029	3.503851715	5.839752858	350.3851715	1.360010563	0.019621569	0.411311259
WV0068462	009	2004 to 2005	21.02311029	3.503851715	5.839752858	350.3851715	1.360010563	0.019621569	0.411311259
WV0068462	012	2003 to 2004	20.93659388	7.613306866	3.806653433	570.9980149	1.354413712	0.042634517	0.268113986
WV0068462	012	2004 to 2005	20.93659388	7.613306866	3.806653433	570.9980149	1.354413712	0.042634517	0.268113986
WV0068462	015	2003 to 2004	23.53204044	4.152713019	6.921188365	415.2713019	1.522316305	0.023255192	0.487479996
WV0068462	015	2004 to 2005	23.53204044	4.152713019	6.921188365	415.2713019	1.522316305	0.023255192	0.487479996
WV0068471	010	2003 to 2004	54.00329113	166.3716647	104.7154123	1613.141493	3.493538558	0.931681289	7.375419672
WV0068471	010	2004 to 2005	54.00329113	166.3716647	104.7154123	1613.141493	3.493538558	0.931681289	7.375419672
WV0068471	017	2003 to 2004	8.680323702	26.47594852	11.72756909	184.3247033	0.561540693	0.148265306	0.826007766
WV0068471	017	2004 to 2005	8.680323702	26.47594852	11.72756909	282.9035655	0.561540693	0.148265306	0.826007766
WV0068471	021	2003 to 2004	6.041169979	10.90627862	22.60200519	231.8327697	0.390810631	0.061075158	1.591926824
WV0068471	021	2004 to 2005	3.391382299	4.628544719	4.585287292	78.72851765	0.219392644	0.02591985	0.322955498
WV0068471	022	2003 to 2004	112.8743542	283.6310778	292.5735637	2219.499177	7.301979198	1.588333979	20.60683112
WV0068471	022	2004 to 2005	266.0511888	497.6947036	257.0212051	3147.960851	17.21117486	2.787090241	18.10277217
WV0068471	023	2003 to 2004	23.09553345	50.08423525	49.55138254	942.7956069	1.494078137	0.280471707	3.49005207
WV0068471	023	2004 to 2005	39.17886918	48.86544314	84.75365844	823.4360076	2.534528679	0.273646472	5.969453645
WV0068471	024	2003 to 2004	479.3311981	502.1062323	799.8384353	3152.925548	31.00851795	2.8117948	56.33501315
WV0068471	024	2004 to 2005	2.811732682	25.30559414	3.893168329	346.059407	0.181894406	0.141711322	0.274207489
WV0068471	026	2003 to 2004	283.9456752	31.57792057	120.8651802	2305.424153	18.36879094	0.176836349	8.512896125
WV0068471	026	2004 to 2005	486.4297492	53.42292043	258.6794042	3655.252451	31.46773185	0.299168344	18.21956409
WV0068471	030	2003 to 2004	10.70621287	16.65410892	5.212519781	28.11732668	0.692597927	0.093263007	0.367133358
WV0068471	030	2004 to 2005	29.19876266	51.9569751	17.78360841	807.4719485	1.888903455	0.29095905	1.252552727
WV0068471	031	2003 to 2004	7.3537624	8.002623788	6.056039623	43.25742588	0.47572383	0.044814692	0.426544983
WV0068471	031	2004 to 2005	12.31875367	25.41133488	6.363648023	217.7290464	0.796915151	0.14230347	0.448210763
WV0068560	001	2003 to 2004	2774.169037	215.3012246	3066.601831	13339.64383	179.4643677	1.205686815	215.9899385
WV0068560	001	2004 to 2005	1175.033935	461.858653	1637.410769	13932.04586	76.01437383	2.586408364	115.3277376
WV0068748	001	2003 to 2004	262.7888736	120.039362	110.3064408	3893.168497	17.00013172	0.672220403	7.769212526
WV0068748	001	2004 to 2005	262.7888736	120.039362	110.3064408	3893.168497	17.00013172	0.672220403	7.769212526



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0068764	001	2003 to 2004	3105.299241	1324.488336	349.8768791	66252.71431	200.8855832	7.417134415	24.642875
WV0068764	001	2004 to 2005	2379.702808	5069.399256	318.4359436	60485.05762	153.9458678	28.38863482	22.42839588
WV0068764	003	2003 to 2004	921.6968032	687.9336716	170.0629685	13207.5739	59.62568676	3.852428424	11.9780435
WV0068764	003	2004 to 2005	531.6914411	412.7010763	201.7922859	7370.34442	34.39576573	2.311125945	14.21283421
WV0068764	005	2003 to 2004	65.14568466	26.62855106	9.019173612	982.6645542	4.214353542	0.149119881	0.635247372
WV0068764	005	2004 to 2005	69.97970168	19.27118348	10.70981786	1159.659503	4.52707198	0.107918624	0.754324503
WV0068764	014	2003 to 2004	1949.561749	1577.576707	1073.137428	30086.98195	126.1195197	8.834429244	75.58427861
WV0068764	014	2004 to 2005	1122.843832	833.0479095	158.6538201	16709.26229	72.63813257	4.665068127	11.17446305
WV0068764	033	2003 to 2004	1.4274951	0.648861409	0.043257427	17.30297091	0.092346394	0.003633624	0.00304675
WV0068764	033	2004 to 2005	2.14124265	0.23791585	0.064886141	30.2801991	0.13851959	0.001332329	0.004570125
WV0069051	001	2003 to 2004	439.8493806	98.50895846	704.014619	5314.469813	28.45439118	0.551650148	49.58585517
WV0069051	001	2004 to 2005	502.1736569	70.75292827	699.4906018	5040.2111	32.48622438	0.396216384	49.26721511
WV0069337	001	2003 to 2004	129.9525206	191.4645819	1076.320484	798.2797699	8.406786549	1.07220162	75.80847073
WV0069337	001	2004 to 2005	383.9096694	1164.706236	1508.602735	5623.465667	24.83558325	6.522354692	106.2554025
WV0069337	002	2003 to 2004	38.24000168	242.2415881	187.0883688	789.2000122	2.473792315	1.356552845	13.17719336
WV0069337	002	2004 to 2005	38.24000168	242.2415881	187.0883688	789.2000122	2.473792315	1.356552845	13.17719336
WV0069396	001	2003 to 2004	4.888089276	0	0	0	0.316216438	0	0
WV0069396	001	2004 to 2005	4.888089276	0	0	0	0.316216438	0	0
WV0069396	004	2003 to 2004	19.87858967	0	0	0	1.285970133	0	0
WV0069396	004	2004 to 2005	56.98805573	0	69.2317101	2536.597516	3.686626608	0	4.8761964
WV0069396	005	2003 to 2004	1.081435647	0	0	0	0.069959387	0	0
WV0069396	005	2004 to 2005	2.941505055	0	0	0	0.190289538	0	0
WV0069451	001	2003 to 2004	1.303941096	1.909545092	1.419384363	466.1258254	0.084353535	0.010693452	0.099971486
WV0069451	001	2004 to 2005	1.303941096	1.909545092	1.419384363	466.1258254	0.084353535	0.010693452	0.099971486
WV0069531	001	2003 to 2004	115.2896024	238.9927744	151.345568	11035.26242	7.458224545	1.338359489	10.659721
WV0069531	001	2004 to 2005	17.71571859	68.78111123	30.89301256	1142.987361	1.146051373	0.385174209	2.175887269
WV0069540	012	2003 to 2004	0	0	0	0	0	0	0
WV0069540	012	2004 to 2005	0	0	0	0	0	0	0
WV0069701	001	2003 to 2004	9.300346648	14.3290224	13.35573033	545.4491147	0.601650732	0.080242523	0.940684031
WV0069701	001	2004 to 2005	1.789776034	1.665410949	2.746846651	136.8016142	0.115782788	0.009326301	0.193468625
WV0069701	002	2003 to 2004	6.001967904	8.132396175	1.946584179	213.5835431	0.388274601	0.045541417	0.137103746

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0069701	002	2004 to 2005	3.487629878	5.677537007	0.832705431	96.24777133	0.225619017	0.031794206	0.058649934
WV0069701	003	2003 to 2004	27.68475376	78.58432702	65.17452427	736.2774647	1.790960378	0.440072216	4.590436668
WV0069701	003	2004 to 2005	7.266094428	18.307553	3.71076639	0	0.470052482	0.102522293	0.261360375
WV0069701	006	2003 to 2004	29.19876373	61.64183454	25.95445665	0	1.888903524	0.345194261	1.828050006
WV0069701	006	2004 to 2005	29.19876373	61.64183454	25.95445665	0	1.888903524	0.345194261	1.828050006
WV0069701	008	2003 to 2004	11.86875666	100.0868714	41.36491483	375.7988947	0.767804298	0.56048646	2.913454666
WV0069701	008	2004 to 2005	8.622646691	22.75340563	17.79322085	815.4024572	0.557809497	0.127419067	1.253229761
WV0090000	040	2003 to 2004	16.70457591	68.97396518	80.49485954	303.8834157	1.080639324	0.386254191	5.669493701
WV0090000	040	2004 to 2005	77.53893814	501.5698723	378.5024915	3157.7922	5.016088176	2.808791185	26.6590625
WV0090000	047	2003 to 2004	65.46716721	393.5246149	72.04164076	1508.701095	4.235150639	2.203737765	5.07410822
WV0090000	047	2004 to 2005	12.44732431	33.91382198	21.08799506	167.6225255	0.805232542	0.189917396	1.485290562
WV0090000	051	2003 to 2004	363.3623847	1012.223786	168.7039643	5839.752611	23.50635443	5.668452999	11.88232477
WV0090000	051	2004 to 2005	72.16780744	386.0004387	56.45094243	3006.391165	4.668623202	2.16160238	3.976008708
WV0090000	054	2003 to 2004	46.01148348	0.562346555	0.273963706	14.41914243	2.976538805	0.003149141	0.019296083
WV0090000	054	2004 to 2005	9.069640211	1.557267326	1.081435647	69.21188132	0.586726052	0.008720697	0.076168747
WV0090000	055	2003 to 2004	6.834673228	5.378339934	1.196788789	90.48011505	0.44214332	0.030118703	0.084293414
WV0090000	055	2004 to 2005	9.260693916	9.996070122	4.037359734	84.53221965	0.599085548	0.055977991	0.284363321
WV0090000	057	2003 to 2004	229.7059525	242.7012028	57.92890486	2672.948549	14.85995733	1.359126687	4.080106023
WV0090000	057	2004 to 2005	126.0142931	120.1565169	19.34868676	1694.249243	8.152017821	0.672876471	1.362785877
WV0090000	060	2003 to 2004	202.9085962	1050.230948	230.0897152	4039.201561	13.12640378	5.8812931	16.20590679
WV0090000	060	2004 to 2005	339.2758654	1270.077389	153.4458914	5446.503338	21.94816821	7.112433123	10.80765306
WV0090000	061	2003 to 2004	1.773554518	0.620023124	0.216287136	15.86105667	0.114733398	0.003472129	0.01523375
WV0090000	061	2004 to 2005	4.657382866	2.854990107	1.081435647	64.88613882	0.30129176	0.015987944	0.076168747
WV0090000	065	2003 to 2004	401.2126405	2882.026112	264.5912651	7678.193388	25.95493349	16.13934565	18.63595414
WV0090000	065	2004 to 2005	220.6128815	1479.404029	129.7722832	9084.059827	14.27171552	8.284662267	9.14025003
WV0090000	067	2003 to 2004	0.937244258	0.461412558	0.216287136	12.97722818	0.06063147	0.00258391	0.01523375
WV0090000	067	2004 to 2005	4.077012407	2.043913381	0.908405945	82.18910938	0.263746889	0.011445915	0.063981748
WV0090000	068	2003 to 2004	10893.57176	55378.69777	7027.168859	168298.4241	704.7184014	310.1206965	494.9445195
WV0090000	068	2004 to 2005	5007.407655	32363.76504	5050.845335	99149.62781	323.935289	181.2370778	355.746143
WV0090000	069	2003 to 2004	3711.496167	1133.78614	333.8752363	12121.09118	240.1011993	6.34920216	23.51583144
WV0090000	069	2004 to 2005	488.0789577	1181.198116	330.2524327	7328.529115	31.57442115	6.614709216	23.26066655

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0090000	075	2003 to 2004	1429.515597	1693.193975	134.9393762	8772.259846	92.4771019	9.481885922	9.504183842
WV0090000	075	2004 to 2005	1535.406898	3665.711549	302.9564749	26331.7997	99.32733891	20.52798394	21.33813061
WV0090026	001	2003 to 2004	3.748976984	1.557267354	0.403735979	374.8976966	0.242525879	0.008720697	0.028436332
WV0090026	001	2004 to 2005	8.54093865	1.566880117	0.466218931	219.6515992	0.552523705	0.008774528	0.032837194
WV0090042	012	2003 to 2004	130.4014783	162.7806441	0	1895.953324	8.435830164	0.911571574	0
WV0090042	012	2004 to 2005	123.7973484	288.1620515	0	2379.158465	8.008600978	1.613707431	0
WV0090042	020	2003 to 2004	100.5735172	505.5711752	0	3000.983981	6.5062231	2.83119848	0
WV0090042	020	2004 to 2005	116.7950549	66.18386445	0	1167.950549	7.555614096	0.370629628	0
WV0090051	030	2003 to 2004	150.8242278	280.6866264	0	3260.528527	9.757002662	1.571845052	0
WV0090051	030	2004 to 2005	806.7510195	1040.106812	0	4900.706	52.18970426	5.824597939	0
WV0090051	DSPC31	2003 to 2004	3028.978526	2902.771088	0	0	195.9483034	16.25551751	0
WV0090051	DSPC31	2004 to 2005	3028.978526	2902.771088	0	0	195.9483034	16.25551751	0
WV0090051	USPCSB	2003 to 2004	2145.526456	2902.771088	0	0	138.7967149	16.25551751	0
WV0090051	USPCSB	2004 to 2005	2145.526456	2902.771088	0	0	138.7967149	16.25551751	0
WV0090131	007	2003 to 2004	49.96232751	59.58710511	55.33345808	521.342109	3.232123709	0.333687777	3.897300943
WV0090131	007	2004 to 2005	62.77242567	51.28954461	57.7978207	806.652706	4.060824532	0.28722144	4.070873373
WV0090255	001	2003 to 2004	141.5697625	89.23810626	29.03654836	1954.940756	9.158320051	0.499733377	2.045130943
WV0090255	001	2004 to 2005	113.8496145	167.8486471	68.1255317	4839.4246	7.365069978	0.93995239	4.798284947
WV0090255	002	2003 to 2004	115.2220539	82.85271789	13.3311522	2189.907203	7.453854751	0.463975204	0.93895292
WV0090255	002	2004 to 2005	184.8635637	309.98862	46.31002511	2661.314854	11.95904868	1.73593621	3.261753572
WV0090255	003	2003 to 2004	105.0762206	79.45209431	25.07750985	1009.765968	6.797508458	0.444931712	1.76628402
WV0090255	003	2004 to 2005	145.4929133	255.0320231	34.07505463	1781.911038	9.412113448	1.428179278	2.400008009
WV0090344	002	2003 to 2004	11.86425047	18.23300528	4.462724621	608.0822625	0.767512787	0.102104826	0.314323042
WV0090344	002	2004 to 2005	21.80414555	28.75657525	4.405047859	870.9161657	1.410536684	0.161036816	0.310260695
WV0090344	003	2003 to 2004	17.56521855	31.52204686	11.71014572	761.6911732	1.136315343	0.176523456	0.824780586
WV0090344	003	2004 to 2005	19.32165076	36.1559992	4.534820231	1036.015374	1.249941078	0.202473588	0.319400952
WV0090379	009	2003 to 2004	108.4561996	162.4404848	65.82109003	599.0907801	7.016163407	0.909666683	4.635976228
WV0090379	009	2004 to 2005	17.52033901	20.5916162	9.465806287	182.0596931	1.133412031	0.115313047	0.666705047
WV0090484	002	2003 to 2004	194.7305145	67.70508275	25.95445542	3320.548223	12.59735373	0.37914845	1.828049919
WV0090484	002	2004 to 2005	60.41079853	23.76454872	25.95445542	773.6770979	3.908048002	0.133081468	1.828049919
WV0090492	001	2003 to 2004	36.76881358	90.84059827	12.97722832	0	2.378619253	0.508707332	0.914025003

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0090492	001	2004 to 2005	28.57693703	78.36803691	15.62674495	951.2127732	1.848676799	0.438860991	1.100638383
WV0090492	004	2003 to 2004	39.95904707	54.95495456	2.487301969	539.8166259	2.584999335	0.307747735	0.175188117
WV0090492	004	2004 to 2005	17.76618539	18.37178933	4.057186089	262.0679067	1.149316132	0.102882017	0.28575975
WV0090492	008	2003 to 2004	32.87564479	6.704901151	7.35376268	0	2.12676543	0.037547445	0.517947499
WV0090492	008	2004 to 2005	4.376209586	2.357529709	1.582500846	158.790802	0.283102319	0.013202166	0.111460268
WV0090492	010	2003 to 2004	45.2400578	47.52909642	5.407178364	545.2238053	2.92663434	0.26616293	0.380843744
WV0090492	010	2004 to 2005	4.893496346	5.281010815	2.766672902	401.9335952	0.316566228	0.02957366	0.194865047
WV0090603	005	2003 to 2004	3.920204287	13.90996644	2.203425189	535.9865523	0.253602781	0.077895809	0.155193826
WV0090603	005	2004 to 2005	3.920204287	13.90996644	2.203425189	535.9865523	0.253602781	0.077895809	0.155193826
WV0090719	003	2003 to 2004	59.76959654	356.4862547	33.96789393	1246.129288	3.866567865	1.996322955	2.39246036
WV0090719	003	2004 to 2005	24.35032672	178.7252677	33.96789393	636.2446628	1.57525224	1.000861463	2.39246036
WV0090942	DMC	2003 to 2004	388.3305527	601.9123567	184.4570125	0	25.12157557	3.370709078	12.99185907
WV0090942	DMC	2004 to 2005	388.3305527	601.9123567	184.4570125	0	25.12157557	3.370709078	12.99185907
WV0090972	001	2003 to 2004	12.85363546	9.084059659	3.244307011	333.7001529	0.831517305	0.050870732	0.228506246
WV0090972	001	2004 to 2005	31.71850763	16.49189369	2.184500018	361.7402247	2.051908821	0.092354601	0.15386087
WV0090972	013	2003 to 2004	54.73506401	34.07243323	7.656564547	661.8386311	3.540877835	0.190805619	0.53927474
WV0090972	013	2004 to 2005	54.73506401	34.07243323	7.656564547	661.8386311	3.540877835	0.190805619	0.53927474
WV0091006	201	2003 to 2004	38.24000168	35696.02772	960.2607933	789.2000122	2.473792315	199.8977481	67.63403961
WV0091006	201	2004 to 2005	38.24000168	20237.12157	886.6907194	789.2000122	2.473792315	113.3278768	62.45227927
WV0091014	001	2003 to 2004	29.70109049	52.53019724	10.19956057	608.9564258	1.921399653	0.294169094	0.718385556
WV0091014	001	2004 to 2005	97.31642954	1229.39278	582.7011327	3634.803593	6.29551814	6.884599323	41.04138351
WV0091014	006	2003 to 2004	3.598090907	5.400998629	0.573160895	120.3483396	0.232764875	0.030245591	0.040369436
WV0091014	006	2004 to 2005	83.59497692	6839.107111	2192.052011	15500.57747	5.407860688	38.29899845	154.3927791
WV0091014	007	2003 to 2004	10.3439322	14.5269253	4.758316871	224.5330807	0.669161549	0.081350779	0.335142488
WV0091014	007	2004 to 2005	1.169031955	4.827528819	1.755170087	24.00787209	0.075626098	0.02703416	0.123621879
WV0091014	008	2003 to 2004	4.772817989	3.369163686	2.773390933	203.5433962	0.308759398	0.018867316	0.195338218
WV0091014	008	2004 to 2005	0.996887048	1.338030833	0.505816944	53.43275312	0.064489835	0.007492972	0.0356262
WV0091014	009	2003 to 2004	8.346430179	5.367976145	1.712273103	355.2290775	0.539940715	0.030060665	0.120600516
WV0091014	009	2004 to 2005	1.933066195	1.446420151	0.283385289	64.09963992	0.125052402	0.008099953	0.019959673
WV0091014	010	2003 to 2004	0.347261014	0.762412157	0.197662411	17.1077117	0.022464737	0.004269508	0.013921955
WV0091014	010	2004 to 2005	0.068490927	0.957070579	0.439783844	16.85237271	0.004430761	0.005359595	0.030975291

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0091014	012	2003 to 2004	70.04594093	25.66336972	6.368304325	1753.976019	4.531357077	0.143714865	0.44853872
WV0091014	012	2004 to 2005	11.18001705	10.64267874	2.597247989	558.2686241	0.723248895	0.059598999	0.182931944
WV0091014	013	2003 to 2004	5.345896878	5.434214128	0.599295591	368.8371482	0.345832568	0.030431598	0.042210181
WV0091014	013	2004 to 2005	1.503195541	1.917745869	0.365284927	41.33487344	0.097243547	0.010739376	0.02572811
WV0091014	014	2003 to 2004	396.4308813	314.4229095	442.7785117	16383.6938	25.64559567	1.76076823	31.18621484
WV0091014	014	2004 to 2005	89.81025846	224.7613354	162.3804852	4601.537544	5.809934807	1.258663433	11.43694322
WV0091049	001	2003 to 2004	10.53139103	0	15.23217584	89.26788066	0.681288489	0	1.072847701
WV0091049	001	2004 to 2005	5.18223968	6.044985028	3.025136043	63.97292722	0.335245385	0.033851915	0.213069379
WV0091189	001	2003 to 2004	2.286605607	29.95995866	5.411413981	394.9943827	0.147923297	0.167775763	0.381142071
WV0091189	001	2004 to 2005	13.95232242	27.5856214	3.240702198	337.708927	0.9025927	0.154479474	0.228252348
WV0091197	004	2003 to 2004	7.765573271	0	0	0	0.502364376	0	0
WV0091197	004	2004 to 2005	7.765573271	0	0	0	0.502364376	0	0
WV0091197	005	2003 to 2004	24.09799146	133.3049686	0	1440.562449	1.558928364	0.746507798	0
WV0091197	005	2004 to 2005	68.10685155	154.9815279	0	0	4.405915028	0.867896525	0
WV0091201	007	2003 to 2004	41.99755444	23.28060608	0	0	2.716872855	0.130371389	0
WV0091201	007	2004 to 2005	41.99755444	23.28060608	0	0	2.716872855	0.130371389	0
WV0091324	002	2003 to 2004	143.0018414	192.6938103	154.6002365	1692.446801	9.250962978	1.079085299	10.88895704
WV0091324	002	2004 to 2005	158.1033697	124.3804939	202.9354385	3386.79657	10.2278992	0.696530741	14.29334987
WV0091324	201	2003 to 2004	1426.413624	314.3372985	758.4468729	0	92.27643148	1.760288809	53.41968161
WV0091324	201	2004 to 2005	2912.306297	1233.701827	1710.398676	0	188.400635	6.908729985	120.4684942
WV0091324	D-2	2003 to 2004	60.57956752	42.91052699	35.33808105	0	3.918965872	0.240298943	2.488966737
WV0091324	D-2	2004 to 2005	60.57956752	42.91052699	35.33808105	0	3.918965872	0.240298943	2.488966737
WV0091324	U-2	2003 to 2004	48.92965165	55.91960189	34.94975118	0	3.165318652	0.313149759	2.461615503
WV0091324	U-2	2004 to 2005	48.92965165	55.91960189	34.94975118	0	3.165318652	0.313149759	2.461615503
WV0091405	001	2003 to 2004	14.54752169	75.26251645	79.45332529	401.8823927	0.941096864	0.421470077	5.596135329
WV0091405	001	2004 to 2005	9.529905877	50.57579646	105.723116	102.9330129	0.616501197	0.28322445	7.446395256
WV0091405	003	2003 to 2004	5.92219019	65.63286151	52.41647431	344.3982916	0.383113683	0.367544011	3.691849052
WV0091405	003	2004 to 2005	11.01018666	24.01530668	24.98859891	649.8887548	0.712262361	0.134485713	1.760021757
WV0091405	005	2003 to 2004	66.37987339	134.9320804	65.78237946	3676.729178	4.294194711	0.755619623	4.633249727
WV0091405	005	2004 to 2005	17.71301502	67.11209535	29.17172736	1277.445872	1.145876477	0.375827721	2.054652004
WV0091499	001	2003 to 2004	38.24000168	0.296053832	2.365182029	1.605715698	2.473792315	0.001657901	0.166586844

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0091499	001	2004 to 2005	38.24000168	0.296053832	2.365182029	1.605715698	2.473792315	0.001657901	0.166586844
WV0091901	001	2003 to 2004	5.298133544	15.56276035	7.336639767	357.5496681	0.3427427	0.087151455	0.516741481
WV0091901	001	2004 to 2005	4.880879637	28.5547075	10.92970964	473.3083367	0.315750038	0.159906356	0.769812138
WV0091901	015	2003 to 2004	3.117238259	20.3296383	6.645872668	207.0949268	0.201657933	0.11384597	0.468088688
WV0091901	015	2004 to 2005	4.823202956	34.86067931	18.36277735	248.4898838	0.312018863	0.195219797	1.293345328
WV0091952	004	2003 to 2004	0.821891118	0.519089127	0.216287136	12.97722818	0.053169136	0.002906899	0.01523375
WV0091952	004	2004 to 2005	0.821891118	0.519089127	0.216287136	12.97722818	0.053169136	0.002906899	0.01523375
WV0091952	005	2003 to 2004	0.859249798	3.68474624	0.817958614	17.99115705	0.055585914	0.020634578	0.057611272
WV0091952	005	2004 to 2005	1.957398576	7.497052849	1.373423301	43.12224749	0.126626494	0.041983494	0.096734311
WV0091952	011	2003 to 2004	1.330165878	0.382828227	0.443388624	26.60331746	0.086050048	0.002143838	0.031229187
WV0091952	011	2004 to 2005	2.195314382	0.44338862	0.373095302	42.98706744	0.142017556	0.002482976	0.026278218
WV0091952	012	2003 to 2004	4862.675424	4904.310702	2516.86124	94571.54822	314.572385	27.46413895	177.2700645
WV0091952	012	2004 to 2005	8296.413988	9275.113287	11994.10475	147075.2514	536.7051073	51.94063256	844.7806695
WV0091952	DSDF02	2003 to 2004	28275.93741	28434.54798	8363.102335	501786.1401	1829.204768	159.233463	589.0383098
WV0091952	DSDF02	2004 to 2005	27969.53088	21601.67729	12726.69539	378699.1074	1809.382957	120.9693885	896.3792193
WV0091952	DSJF08	2003 to 2004	875.6024059	510.4376301	275.7660896	16545.96537	56.64378415	2.858450627	19.42303045
WV0091952	DSJF08	2004 to 2005	1615.30443	1238.243851	280.2463319	19303.62734	104.4960074	6.934165316	19.73858731
WV0091952	USDF01	2003 to 2004	19204.01941	24247.89307	4735.606829	284136.4097	1242.331363	135.7881963	333.5429522
WV0091952	USDF01	2004 to 2005	18390.56242	16739.3071	2513.320149	252120.5048	1189.707841	93.7401164	177.0206549
WV0091952	USJF07	2003 to 2004	592.2662758	345.3384598	189.25124	11355.0744	38.31442543	1.933895306	13.32953085
WV0091952	USJF07	2004 to 2005	1311.601224	1089.546422	225.299094	17032.61187	84.84907776	6.101459746	15.86848901
WV0092142	003	2003 to 2004	23.31845627	37.32304844	0	171.4847961	1.508499286	0.209009064	0
WV0092142	003	2004 to 2005	20.44994832	10.1654952	0	220.288445	1.322932019	0.056926771	0
WV0092142	DSS	2003 to 2004	2827.046441	3003.736844	0	0	182.8850713	16.82092572	0
WV0092142	DSS	2004 to 2005	2827.046441	3003.736844	0	0	182.8850713	16.82092572	0
WV0092142	UNS	2003 to 2004	3028.978311	2951.312201	0	0	195.9482895	16.52734774	0
WV0092142	UNS	2004 to 2005	3028.978311	2951.312201	0	0	195.9482895	16.52734774	0
WV0092142	USS	2003 to 2004	288.3354499	523.2754461	0	0	18.6527708	2.930342394	0
WV0092142	USS	2004 to 2005	288.3354499	523.2754461	0	0	18.6527708	2.930342394	0
WV0092398	001	2003 to 2004	2.43247318	6.287899424	2.065325807	144.5338729	0.157359647	0.035212236	0.145467074
WV0092398	001	2004 to 2005	1.969114093	2.46657446	0.890021538	88.18837372	0.127384385	0.013812816	0.062686879

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0092398	002	2003 to 2004	0.756344073	1.038959263	0.255218814	51.3681937	0.048928818	0.005818172	0.017975824
WV0092398	002	2004 to 2005	0.519089114	0.987711247	0.18264247	47.99171183	0.033580506	0.005531183	0.012864055
WV0092649	001	2003 to 2004	196.7491966	145.1061382	18.45560106	3140.489195	12.72794473	0.812594345	1.29988318
WV0092649	001	2004 to 2005	252.1187045	216.3619369	24.9361044	4682.075803	16.30986551	1.211626803	1.756324412
WV0092649	002	2003 to 2004	47.33598409	32.71497369	24.26896124	1102.137424	3.06222236	0.183203846	1.709335524
WV0092649	002	2004 to 2005	47.33598409	32.71497369	24.26896124	1102.137424	3.06222236	0.183203846	1.709335524
WV0092649	003	2003 to 2004	148.4122984	120.4119625	29.53204186	2446.895646	9.600972015	0.674306966	2.080030033
WV0092649	003	2004 to 2005	148.4122984	120.4119625	29.53204186	2446.895646	9.600972015	0.674306966	2.080030033
WV0092649	019	2003 to 2004	3.460594182	0.692118836	0.173029709	60.56039819	0.223870045	0.003875865	0.012187
WV0092649	019	2004 to 2005	3.460594182	0.692118836	0.173029709	60.56039819	0.223870045	0.003875865	0.012187
WV0092649	020	2003 to 2004	5.190890994	1.557267298	0.25954455	116.7950474	0.335805049	0.008720697	0.018280499
WV0092649	020	2004 to 2005	5.190890994	1.557267298	0.25954455	116.7950474	0.335805049	0.008720697	0.018280499
WV0092649	021	2003 to 2004	3.460594182	1.730297091	0.259544564	43.25742728	0.223870045	0.009689663	0.0182805
WV0092649	021	2004 to 2005	4.325742588	1.514009906	0.432574259	108.1435647	0.279837547	0.008478455	0.030467499
WV0092649	022	2003 to 2004	3.460594182	1.557267382	0.173029709	17.30297091	0.223870045	0.008720697	0.012187
WV0092649	022	2004 to 2005	3.460594182	1.557267382	0.173029709	17.30297091	0.223870045	0.008720697	0.012187
WV0092649	023	2003 to 2004	3.460594182	1.384237673	0.173029709	8.651485456	0.223870045	0.007751731	0.012187
WV0092649	023	2004 to 2005	5.190890994	1.362608886	0.973292061	311.4534596	0.335805049	0.007630609	0.068551871
WV0092649	026	2003 to 2004	10.59806944	9.70047802	5.342292084	54.07178235	0.685601997	0.054322675	0.376273609
WV0092649	026	2004 to 2005	10.59806944	9.70047802	5.342292084	54.07178235	0.685601997	0.054322675	0.376273609
WV0092649	029	2003 to 2004	5.190890994	5.580207818	0.648861374	64.88613742	0.335805049	0.031249163	0.045701247
WV0092649	029	2004 to 2005	5.190890994	5.580207818	0.648861374	64.88613742	0.335805049	0.031249163	0.045701247
WV0092649	030	2003 to 2004	6.921188365	7.78633691	0.865148546	69.21188365	0.44774009	0.043603485	0.060935
WV0092649	030	2004 to 2005	6.921188365	7.78633691	0.865148546	69.21188365	0.44774009	0.043603485	0.060935
WV0092649	031	2003 to 2004	3.460594182	3.547109037	0.432574273	77.8633691	0.223870045	0.01986381	0.0304675
WV0092649	031	2004 to 2005	3.460594182	3.547109037	0.432574273	77.8633691	0.223870045	0.01986381	0.0304675
WV0092649	032	2003 to 2004	5.190890994	6.877930567	0.648861374	259.5445497	0.335805049	0.03851641	0.045701247
WV0092649	032	2004 to 2005	5.190890994	6.877930567	0.648861374	259.5445497	0.335805049	0.03851641	0.045701247
WV0092649	034	2003 to 2004	5.190890994	7.916108766	0.648861374	220.6128672	0.335805049	0.044330208	0.045701247
WV0092649	034	2004 to 2005	5.190890994	7.916108766	0.648861374	220.6128672	0.335805049	0.044330208	0.045701247
WV0092797	001	2003 to 2004	207.2620624	0	0	0	13.4080348	0	0

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0092797	001	2004 to 2005	162.9957847	0	0	0	10.54439547	0	0
WV0092797	006	2003 to 2004	6.95826595	0	0	0	0.450138684	0	0
WV0092797	006	2004 to 2005	155.5120359	0	0	0	10.06026267	0	0
WV0092835	003	2003 to 2004	11749.70472	2155.095822	465.6553822	81331.27239	760.1026829	12.06853617	32.79750125
WV0092835	003	2004 to 2005	1118.690131	390.7836579	161.198801	13863.1125	72.36942464	2.188388406	11.35371367
WV0092860	DSB	2003 to 2004	587.7868506	0	0	789.2000122	38.02464597	0	0
WV0092860	DSB	2004 to 2005	801.6922789	0	0	789.2000122	51.86244818	0	0
WV0093041	001	2003 to 2004	3.206456751	2.084467244	1.159839751	314.6977787	0.207429585	0.011673016	0.081690983
WV0093041	001	2004 to 2005	3.206456751	2.084467244	1.159839751	314.6977787	0.207429585	0.011673016	0.081690983
WV0093050	005	2003 to 2004	8.723581007	50.47600955	76.97118322	265.1499998	0.564339061	0.282665643	5.421310639
WV0093050	005	2004 to 2005	3.235295048	28.73014059	48.4302936	209.3839674	0.20929517	0.160888782	3.411090423
WV0093050	007	2003 to 2004	4.314928324	3.103720364	27.89022563	99.2866079	0.279137959	0.017380833	1.964392005
WV0093050	007	2004 to 2005	2.87902209	4.964991375	12.39084972	148.757485	0.186247439	0.027803951	0.872724604
WV0093050	010	2003 to 2004	1.696652399	3.611995118	2.978273835	51.36819404	0.109758506	0.020227172	0.209768734
WV0093050	010	2004 to 2005	0.41403536	1.785913737	1.408956167	33.37001393	0.026784451	0.010001117	0.099236997
WV0093050	025	2003 to 2004	12.36621674	27.69917193	20.66263054	195.2261722	0.799985595	0.155115357	1.455330866
WV0093050	025	2004 to 2005	21.14052267	13.35727532	19.75628472	188.93608	1.367606113	0.074800739	1.39149422
WV0093050	027	2003 to 2004	2.076356398	1.622153436	2.335900947	23.7483263	0.13432202	0.009084059	0.16452449
WV0093050	027	2004 to 2005	8.813700466	5.320663363	11.34425985	323.9620655	0.570168998	0.029795714	0.799010149
WV0093050	035	2003 to 2004	18.69682079	14.10192088	26.67300961	239.679782	1.209520068	0.078970754	1.87865984
WV0093050	035	2004 to 2005	6.590577848	4.835562271	9.964657075	133.5449444	0.426352494	0.027079148	0.7018406
WV0093050	043	2003 to 2004	35.53597561	31.71752461	11.76995242	736.8411017	2.298865465	0.177618131	0.82899295
WV0093050	043	2004 to 2005	17.34863148	25.5555267	8.497681186	564.6536109	1.122304062	0.143110944	0.598517101
WV0093076	003	2003 to 2004	9.472925636	32.55031196	11.23251158	1293.13794	0.612815076	0.182281741	0.791139385
WV0093076	003	2004 to 2005	5.002991762	16.64239367	4.413609293	398.1035067	0.323649619	0.093197401	0.310863703
WV0093076	006	2003 to 2004	6.48419004	11.29117161	2.105112833	196.520211	0.419470137	0.063230559	0.148269393
WV0093076	006	2004 to 2005	0.360658783	0.360658783	0.075970853	41.58119976	0.023331455	0.002019689	0.005350854
WV0093122	001	2003 to 2004	11.31490657	4.313383279	1.303902398	812.6216357	0.731975062	0.024154946	0.091837746
WV0093122	001	2004 to 2005	9.192203	1.622153471	0.540717824	162.2153471	0.594654788	0.009084059	0.038084373
WV0093122	003	2003 to 2004	93.38098641	1070.916242	118.1085041	12951.27346	6.040929539	5.997130741	8.318735178
WV0093122	003	2004 to 2005	9.904148368	158.3663401	19.9876347	1068.097954	0.640711399	0.886851473	1.407788891



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0093122	004	2003 to 2004	62.3253018	36.63038976	10.18279846	1301.183422	4.031899546	0.205130175	0.71720495
WV0093122	004	2004 to 2005	6.006473911	10.47640797	4.821400629	573.8368082	0.3885661	0.058667883	0.339585666
WV0093122	005	2003 to 2004	37.86991046	123.8420802	65.97150788	1830.182384	2.449850548	0.693515624	4.646570607
WV0093122	005	2004 to 2005	10.5976192	9.169222713	4.214444926	1849.79578	0.68557287	0.051347645	0.296835961
WV0093165	001	2003 to 2004	192.6345894	20.27537362	279.3688204	1656.975717	12.46176579	0.113542088	19.67678155
WV0093165	001	2004 to 2005	367.9693061	35.12503123	450.8937933	2084.791717	23.80438177	0.196700168	31.75779839
WV0093165	002	2003 to 2004	610.027046	115.396396	1096.125176	5980.384311	39.46339125	0.646219794	77.20337439
WV0093165	002	2004 to 2005	559.2005459	119.4396518	1247.190245	5331.084539	36.17536316	0.668862026	87.84333905
WV0093165	003	2003 to 2004	44.46373218	35.15026392	83.74407108	570.3316832	2.876412892	0.196841471	5.898345387
WV0093165	003	2004 to 2005	40.60299345	20.35065294	68.79897014	428.5729515	2.62665701	0.113963652	4.84571723
WV0093211	001	2003 to 2004	46.08357944	14.92381249	5.551369879	454.2029839	2.98120278	0.083573347	0.390999584
WV0093211	001	2004 to 2005	334.8124677	43.25742476	34.60593981	865.1484952	21.65942558	0.24224157	2.43739984
WV0093211	002	2003 to 2004	6.991481519	11.11175153	9.029987855	319.0235278	0.452287439	0.062225806	0.636009051
WV0093211	002	2004 to 2005	6.991481519	11.11175153	9.029987855	319.0235278	0.452287439	0.062225806	0.636009051
WV0093211	003	2003 to 2004	17.47600006	16.43782183	6.056039623	86.51485176	1.13054369	0.092051799	0.426544983
WV0093211	003	2004 to 2005	17.47600006	16.43782183	6.056039623	86.51485176	1.13054369	0.092051799	0.426544983
WV0093211	004	2003 to 2004	884.9535691	332.266199	414.0030759	16465.34992	57.24872227	1.860690648	29.15947483
WV0093211	004	2004 to 2005	1.836277751	1.578896057	0.475831693	62.72326711	0.11879104	0.008841818	0.033514249
WV0093211	005	2003 to 2004	359.4674122	855.7616614	812.1617817	33644.54448	23.25438392	4.792265133	57.20298329
WV0093211	005	2004 to 2005	359.4674122	855.7616614	812.1617817	33644.54448	23.25438392	4.792265133	57.20298329
WV0093211	010	2003 to 2004	658.0175786	366.2462166	111.748353	32226.78333	42.56795715	2.05097874	7.870770716
WV0093211	010	2004 to 2005	771.3558369	464.7610421	222.282614	14015.73081	49.89994687	2.602661743	15.65602931
WV0093211	016	2003 to 2004	283.7254557	87.10964048	190.7246945	1539.694007	18.35454467	0.487813969	13.43331065
WV0093211	016	2004 to 2005	283.7254557	87.10964048	190.7246945	1539.694007	18.35454467	0.487813969	13.43331065
WV0093211	017	2003 to 2004	1760.68534	2934.475567	6219.336277	26278.88568	113.9008752	16.43306259	438.0464547
WV0093211	017	2004 to 2005	1760.68534	2934.475567	6219.336277	26278.88568	113.9008752	16.43306259	438.0464547
WV0093319	002	2003 to 2004	321.7847813	340.4107072	131.960383	5408.259652	20.81664871	1.906299892	9.294364437
WV0093319	002	2004 to 2005	23.83123787	14.90939325	11.26495512	383.9096643	1.541671751	0.083492599	0.79342448
WV0093319	006	2003 to 2004	660.576964	214.3621806	8.012236644	7169.197604	42.7335269	1.200428169	0.56432579
WV0093319	006	2004 to 2005	295.6681164	83.47962398	8.012236644	5675.013875	19.12712991	0.467485878	0.56432579
WV0093319	049	2003 to 2004	24.82583008	20.9483918	11.73062745	225.725114	1.60601313	0.11731099	0.826223175

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0093319	049	2004 to 2005	12.44191719	7.072589273	0.724561888	178.977602	0.804882749	0.039606499	0.051033061
WV0093505	004	2003 to 2004	228.8858616	398.5090428	178.6711984	12904.47687	14.80690465	2.23165056	12.58434687
WV0093505	004	2004 to 2005	951.8436553	357.414499	390.7587633	19754.22551	61.57592327	2.001521123	27.52230837
WV0093505	005	2003 to 2004	58.39752746	175.1925824	142.7495116	5839.752746	3.777807048	0.981078426	10.05427503
WV0093505	005	2004 to 2005	58.39752746	175.1925824	142.7495116	5839.752746	3.777807048	0.981078426	10.05427503
WV0093505	006	2003 to 2004	817.4752552	1717.409981	428.1584135	36591.85082	52.88346811	9.617495553	30.1564776
WV0093505	006	2004 to 2005	783.3199027	2228.65868	815.7629751	55333.45839	50.67391683	12.48048816	57.45662611
WV0093505	008	2003 to 2004	26.8746588	17.10470706	8.045881187	411.3387939	1.738554351	0.095786356	0.566695476
WV0093505	008	2004 to 2005	3.248239478	3.006391125	2.689169987	60.9208753	0.210132561	0.01683579	0.189406285
WV0093505	009	2003 to 2004	72.21827398	122.3716553	11.39472713	1653.154656	4.671887944	0.685281246	0.802564711
WV0093505	009	2004 to 2005	156.5017671	190.6499008	22.06128788	1375.225704	10.12428958	1.067639406	1.553842486
WV0093505	010	2003 to 2004	1933.967464	1976.143458	366.606686	28558.91371	125.1107065	11.06640297	25.82120534
WV0093505	010	2004 to 2005	1230.976611	905.4176086	109.0555795	19380.76941	79.63337353	5.070338428	7.681110624
WV0093505	011	2003 to 2004	1378.560136	2281.198455	889.751206	44142.2384	89.18073121	12.77471089	62.6678385
WV0093505	011	2004 to 2005	794.6749789	1051.876429	612.9937866	29379.00246	51.40849051	5.890507794	43.17498573
WV0093505	012	2003 to 2004	24.11601529	46.74685897	17.33541367	1208.061967	1.560094348	0.261782401	1.220985031
WV0093505	012	2004 to 2005	41.91251435	68.33100495	22.93036892	950.8769015	2.711371509	0.382653614	1.615054463
WV0093505	013	2003 to 2004	7.465510774	13.03850911	2.227757429	222.5791187	0.482952968	0.073015648	0.156907618
WV0093505	013	2004 to 2005	9.862693028	11.78224128	1.930362604	299.0169544	0.638029603	0.065980549	0.135961212
WV0093505	016	2003 to 2004	1754.517293	1818.860754	882.5970045	41660.26607	113.5018568	10.18561986	62.16394669
WV0093505	016	2004 to 2005	1114.188776	1036.393895	327.3289512	23448.04911	72.07822651	5.803805605	23.054757
WV0093505	019	2003 to 2004	13.23677242	31.91611523	6.174014415	524.2013532	0.8563029	0.178730239	0.4348543
WV0093505	019	2004 to 2005	2.491627799	4.321416954	1.366934695	47.15059504	0.161186432	0.024199934	0.096277299
WV0093505	021	2003 to 2004	5.01930335	13.38099959	0.953537855	128.251058	0.324704836	0.074933595	0.067160523
WV0093505	021	2004 to 2005	2.535365846	1.910536336	0.259544558	29.79956059	0.164015899	0.010699003	0.018280499
WV0093505	022	2003 to 2004	8.045881362	15.99288869	2.67578083	418.9790738	0.520497847	0.089560173	0.188463247
WV0093505	022	2004 to 2005	37.97461396	45.01476029	2.454859004	429.3299646	2.456623945	0.252082649	0.172903062
WV0093505	023	2003 to 2004	103.1949147	88.88103225	19.46584114	1988.543856	6.675804491	0.497733763	1.37103741
WV0093505	023	2004 to 2005	5.69425028	4.004916715	9.86269342	63.80470296	0.368367973	0.022427533	0.694658995
WV0093505	024	2003 to 2004	5.169262654	4.866460656	3.092906117	116.7950544	0.334405886	0.027252179	0.217842628
WV0093505	024	2004 to 2005	16.27921082	14.31820757	0.764214504	83.63102141	1.053121939	0.08018196	0.053825913

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0093530	001	2003 to 2004	38.24000168	1.946584249	1.946584249	5645.094321	2.473792315	0.010900871	0.13710375
WV0093530	001	2004 to 2005	38.24000168	1.946584249	1.946584249	5645.094321	2.473792315	0.010900871	0.13710375
WV0093530	002	2003 to 2004	38.24000168	256.0839612	117.6601984	7613.306955	2.473792315	1.434070132	8.28715967
WV0093530	002	2004 to 2005	38.24000168	256.0839612	117.6601984	7613.306955	2.473792315	1.434070132	8.28715967
WV0093530	003	2003 to 2004	38.24000168	25.63002465	2.00065594	1416.680688	2.473792315	0.143528133	0.140912181
WV0093530	003	2004 to 2005	38.24000168	25.63002465	2.00065594	1416.680688	2.473792315	0.143528133	0.140912181
WV0093530	005	2003 to 2004	1.211207964	166.1085154	48.44831699	20071.44561	0.078354516	0.930207653	3.412359864
WV0093530	005	2004 to 2005	1.211207964	12.71768362	1.643782237	0	0.078354516	0.071219026	0.115776499
WV0093530	006	2003 to 2004	3.659887321	9.398689508	1.892715154	100.0750402	0.23676256	0.052632659	0.133309589
WV0093530	006	2004 to 2005	3.659887321	3.634825458	0.826697494	157.108572	0.23676256	0.020355022	0.058226777
WV0093530	007	2003 to 2004	28.54990142	82.71252203	16.59787395	2058.512709	1.846927832	0.463190107	1.169037903
WV0093530	007	2004 to 2005	28.54990142	116.36248	5.190891218	1357.201794	1.846927832	0.651629865	0.365609993
WV0093530	013	2003 to 2004	1.186334897	2.018679899	2.11420672	257.5318868	0.076745447	0.011304607	0.148909902
WV0093530	013	2004 to 2005	1.186334897	1.371801113	0.567753716	62.83141192	0.076745447	0.007682086	0.039988592
WV0093530	016	2003 to 2004	2.353204044	2.177891236	3.9178011	159.3089873	0.152231631	0.01219619	0.275942449
WV0093530	016	2004 to 2005	2.353204044	0.765656463	0.80134384	37.85024887	0.152231631	0.004287676	0.056441043
WV0093530	017	2003 to 2004	1.833033471	13.0279202	62.37180123	532.4380864	0.118581164	0.07295635	4.393032501
WV0093530	017	2004 to 2005	1.833033471	0.550180396	1.111175148	34.33558247	0.118581164	0.00308101	0.078263389
WV0093530	019	2003 to 2004	0.177085092	0.454527417	0.134963173	4.044569445	0.01145585	0.002545353	0.00950586
WV0093530	019	2004 to 2005	0.177085092	1.80167183	0.183844066	9.084059694	0.01145585	0.010089362	0.012948687
WV0093530	021	2003 to 2004	4.033755082	5.269595696	8.340071874	224.7817485	0.26094852	0.029509735	0.587416205
WV0093530	021	2004 to 2005	4.033755082	1.477241124	1.204178611	52.7199886	0.26094852	0.00827255	0.084813901
WV0093530	022	2003 to 2004	3.509258637	5.920860092	0.443388614	85.02787689	0.227018208	0.033156815	0.031229186
WV0093530	022	2004 to 2005	1.085040468	1.160740965	0	24.51254213	0.070192587	0.006500149	0
WV0093548	001	2003 to 2004	56.81863067	64.47519533	4.585287311	1799.682014	3.675666295	0.361061081	0.322955499
WV0093548	001	2004 to 2005	56.81863067	64.47519533	4.585287311	1799.682014	3.675666295	0.361061081	0.322955499
WV0093548	002	2003 to 2004	72.40817234	176.5950277	75.30560246	2958.433005	4.684172699	0.98893212	5.303998805
WV0093548	002	2004 to 2005	22.68131079	104.5219594	17.55770895	2096.19002	1.46728157	0.585322952	1.236641953
WV0093556	001	2003 to 2004	2824.891968	3348.666997	8489.426357	25624.22109	182.7456958	18.75253451	597.9356884
WV0093556	001	2004 to 2005	3232.750053	3223.191947	7024.457078	78072.82455	209.1305311	18.04987426	494.7535207
WV0093556	003	2003 to 2004	320.9424254	304.4544259	65.22484566	2915.161274	20.76215569	1.704944724	4.593980954

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0093556	003	2004 to 2005	186.7859278	335.7569367	83.86966096	3359.642079	12.08340875	1.880238779	5.907191058
WV0093556	004	2003 to 2004	387.3023531	88.45538389	53.29617876	2141.307569	25.05506009	0.495350132	3.753809267
WV0093556	004	2004 to 2005	108.5999328	70.78861473	108.2639649	223.4967076	7.025461684	0.396416228	7.625354842
WV0093556	005	2003 to 2004	84.03295794	62.06683712	21.40323396	929.0343401	5.436194213	0.347574275	1.50749378
WV0093556	005	2004 to 2005	24.75946943	13.50550919	6.12362949	498.001121	1.601720179	0.075630849	0.431305539
WV0093751	003	2003 to 2004	27849.13128	814.2994304	40230.90285	53931.19732	1801.59416	4.560076648	2833.58281
WV0093751	003	2004 to 2005	27849.13128	3114.857203	93612.66597	318547.299	1801.59416	17.44319972	6593.42004
WV0093751	005	2003 to 2004	14868.44905	571.3332753	27057.16363	40317.00302	961.8580454	3.199466227	1905.716956
WV0093751	005	2004 to 2005	14868.44905	1413.551787	143381.962	189078.5743	961.8580454	7.915889724	10098.82041
WV0093751	006	2003 to 2004	38.24000168	2106.8025	6838.321453	95803.66488	2.473792315	11.79809358	481.6434319
WV0093751	006	2004 to 2005	38.24000168	2106.8025	6838.321453	95803.66488	2.473792315	11.79809358	481.6434319
WV0093751	019	2003 to 2004	403.0726903	1275.596629	17944.47837	19344.72149	26.07526238	7.143340866	1263.88328
WV0093751	019	2004 to 2005	403.0726903	1275.596629	17944.47837	19344.72149	26.07526238	7.143340866	1263.88328
WV0093751	026	2003 to 2004	3853.068789	2013.337644	1490.521149	64541.88384	249.2597044	11.27469041	104.9818623
WV0093751	026	2004 to 2005	10777.07225	4805.946923	3709.94433	136929.2207	697.1819064	26.91330181	261.3024748
WV0093751	042	2003 to 2004	1922.817856	1670.92625	4178.52324	29440.28406	124.3894248	9.357186664	294.3058889
WV0093751	042	2004 to 2005	2428.688243	2699.638367	8667.962953	61920.84409	157.1147951	15.11797431	610.5105548
WV0093751	DSTF	2003 to 2004	16195.92711	8836.822002	5447.75395	789.2000122	1047.734215	49.48620145	383.7016038
WV0093751	DSTF	2004 to 2005	16195.92711	8836.822002	5447.75395	789.2000122	1047.734215	49.48620145	383.7016038
WV0093840	010	2003 to 2004	3.763395971	0.908405924	1.427495023	116.7950474	0.243458661	0.005087073	0.100542744
WV0093840	010	2004 to 2005	3.763395971	0.908405924	1.427495023	116.7950474	0.243458661	0.005087073	0.100542744
WV0093874	DSDC	2003 to 2004	1645.550741	2632.881186	548.5169138	0	106.452678	14.74413412	38.63368674
WV0093874	DSDC	2004 to 2005	1645.550741	2632.881186	548.5169138	0	106.452678	14.74413412	38.63368674
WV0093874	USDC	2003 to 2004	990.2429202	1980.48584	495.1214601	0	64.0600184	11.09072031	34.87288524
WV0093874	USDC	2004 to 2005	990.2429202	1980.48584	495.1214601	0	64.0600184	11.09072031	34.87288524
WV0093912	001	2003 to 2004	85.4334139	14.15328901	15.45101179	758.356748	5.526791411	0.079258416	1.088260971
WV0093912	001	2004 to 2005	85.4334139	19.95248821	17.72202726	681.9803765	5.526791411	0.11173393	1.248215383
WV0093912	002	2003 to 2004	125.4465318	22.65607723	16.19449903	982.9348969	8.115288655	0.126874028	1.140627001
WV0093912	002	2004 to 2005	125.4465318	69.95086481	22.66508961	4664.592612	8.115288655	0.391724829	1.596370048
WV0093912	003	2003 to 2004	38.24000168	278.7941027	85.43341413	1492.381168	2.473792315	1.56124692	6.01733087
WV0093912	003	2004 to 2005	38.24000168	7.786336994	2.595445665	389.3168497	2.473792315	0.043603486	0.182805001

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0093912	004	2003 to 2004	0	574.3324601	255.4891768	16032.28379	0	3.216261662	17.99486683
WV0093912	004	2004 to 2005	0	632.1892798	274.3241862	20096.67983	0	3.540259841	19.32147288
WV0093912	005	2003 to 2004	0	13.56429288	8.327054516	398.5862825	0	0.075960037	0.586499354
WV0093912	005	2004 to 2005	0	25.08930794	14.63542951	854.3341905	0	0.140500119	1.030817072
WV0093912	006	2003 to 2004	58.8300992	17.39909804	8.723580942	390.5184282	3.80579064	0.097434946	0.614427896
WV0093912	006	2004 to 2005	58.8300992	7.797150969	3.720138598	309.2905931	3.80579064	0.043664044	0.262020488
WV0093912	007	2003 to 2004	1874.488562	593.3149379	309.487227	14274.95081	121.262944	3.322563534	21.79811101
WV0093912	007	2004 to 2005	1874.488562	637.0639141	348.3205959	23791.58438	121.262944	3.567557792	24.53326133
WV0093912	012	2003 to 2004	41.32886672	23.89071648	12.45453419	724.5619017	2.673614634	0.133788008	0.877210092
WV0093912	012	2004 to 2005	101.7018144	28.8148532	23.98624298	1407.128035	6.579214016	0.161363172	1.689422831
WV0093912	013	2003 to 2004	287.1572234	136.3510168	282.5430957	6814.847211	18.5765499	0.763565667	19.90035526
WV0093912	013	2004 to 2005	545.1517287	163.7473868	392.7954649	10259.21986	35.2665281	0.916985334	27.66575936
WV0093912	014	2003 to 2004	77.19648299	86.22647075	137.8109521	1278.256956	4.993934336	0.482868219	9.706437518
WV0093912	014	2004 to 2005	135.2695792	147.9043541	249.8386794	2104.2936	8.750753533	0.828264353	17.59688541
WV0093912	018	2003 to 2004	27.79289656	11.89579226	5.29903474	291.9876289	1.797956268	0.066616434	0.373226865
WV0093912	018	2004 to 2005	37.95839083	23.89972756	7.029331636	702.9331636	2.455574451	0.13383847	0.49509685
WV0093912	020	2003 to 2004	475.4712155	135.5399357	989.8741103	3929.216247	30.75881098	0.759023613	69.71979409
WV0093912	020	2004 to 2005	475.4712155	135.5399357	989.8741103	3929.216247	30.75881098	0.759023613	69.71979409
WV0093912	021	2003 to 2004	22.86463951	10.3508841	5.561669082	358.418674	1.479141327	0.057964949	0.391724987
WV0093912	021	2004 to 2005	39.95904806	21.46649792	6.623793418	1338.276649	2.584999399	0.120212384	0.466533581
WV0093912	022	2003 to 2004	37.30953038	16.5730015	11.97689995	686.711645	2.413598879	0.092808805	0.843568884
WV0093912	022	2004 to 2005	51.6025063	14.43716629	8.606425638	894.8880262	3.338228868	0.080848128	0.606176298
WV0093912	023	2003 to 2004	17.95183222	16.43782217	12.97722799	454.2029801	1.161325851	0.092051801	0.914024979
WV0093912	023	2004 to 2005	9.516633694	3.893168329	1.730297035	129.7722776	0.615642604	0.021801742	0.121869995
WV0093912	030	2003 to 2004	11.07390114	6.488613949	3.893168385	207.6356476	0.716384128	0.036336237	0.274207493
WV0093912	030	2004 to 2005	18.16811893	6.488613812	3.730952954	291.9876254	1.175317702	0.036336236	0.262782175
WV0093912	033	2003 to 2004	49.33329194	30.43520405	33.30281083	1628.281609	3.191430633	0.170437137	2.345616568
WV0093912	033	2004 to 2005	130.574345	74.26759485	47.82649293	2134.483661	8.447013123	0.415898516	3.368562936
WV0093912	034	2003 to 2004	26.960191	24.2133445	12.64198294	458.5287211	1.744087533	0.135594724	0.890412668
WV0093912	034	2004 to 2005	38.32289535	34.35131308	12.62015766	1015.118129	2.479154691	0.192367346	0.888875448
WV0093912	041	2003 to 2004	13.22441301	14.7507822	4.402987977	201.1470295	0.855503355	0.082604377	0.310115612

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0093912	041	2004 to 2005	10.76839537	9.922171995	2.827954192	163.0264225	0.696620588	0.055564161	0.199181272
WV0093929	004	2003 to 2004	1263.873878	1529.89804	2434.609112	38088.61434	81.7615377	8.567428718	171.4768012
WV0093929	004	2004 to 2005	1829.068205	3503.581288	4305.555946	30117.98353	118.3246459	19.62005451	303.2531823
WV0093929	005	2003 to 2004	102.2857893	27.95511158	8.651485269	2125.922242	6.616992064	0.156548619	0.609349982
WV0093929	005	2004 to 2005	21.62871238	25.95445486	10.81435619	648.8613714	1.399187699	0.145344942	0.76168745
WV0093929	006	2003 to 2004	25.79224018	16.97853966	3.730952982	308.2091594	1.668531374	0.095079819	0.262782177
WV0093929	006	2004 to 2005	25.79224018	16.97853966	3.730952982	308.2091594	1.668531374	0.095079819	0.262782177
WV0093929	012	2003 to 2004	3724.464443	1216.705251	926.6101316	25530.89362	240.9401328	6.813549164	65.26392287
WV0093929	012	2004 to 2005	1590.701747	1122.602316	1253.311841	15315.38205	102.9044299	6.286572745	88.27450136
WV0093929	015	2003 to 2004	3913.174915	7637.098612	4722.449278	144245.492	253.1480427	42.7677507	332.6162265
WV0093929	015	2004 to 2005	3408.143772	8135.728984	5432.651432	96464.02162	220.476964	45.56008069	382.6378883
WV0093929	017	2003 to 2004	363.3623931	1894.675335	1349.631746	7786.336994	23.50635497	10.6101815	95.05860031
WV0093929	017	2004 to 2005	19.46584114	3.244306857	1.081435619	324.4306857	1.259268929	0.018168118	0.076168745
WV0093929	038	2003 to 2004	137.612691	87.23581197	51.54843442	2674.300329	8.902332286	0.48852053	3.630710407
WV0093929	038	2004 to 2005	221.9105974	308.5966806	56.61315724	3314.600321	14.35566633	1.72814135	3.987433982
WV0093929	040	2003 to 2004	29.67639736	13.30165884	12.12109158	478.5352874	1.919802224	0.074489287	0.853724732
WV0093929	040	2004 to 2005	72.11373542	17.56251541	20.29674518	880.6491165	4.665125217	0.098350083	1.429560466
WV0093929	041	2003 to 2004	0	61.13716319	26.8556523	1169.752906	0	0.342368102	1.891523911
WV0093929	041	2004 to 2005	0	94.70672911	35.18270741	3748.526378	0	0.530357664	2.478023307
WV0093929	044	2003 to 2004	32.64133298	12.68884505	10.30968653	497.4604023	2.111607514	0.07105753	0.726142056
WV0093929	044	2004 to 2005	35.29279701	11.64410618	9.805881868	457.8726494	2.283133946	0.065206992	0.690657587
WV0093980	001	2003 to 2004	24.72882843	5.620761762	13.17278733	211.6910272	1.599737976	0.031476265	0.927798809
WV0093980	001	2004 to 2005	7.005900701	3.259627308	7.610603539	79.66576022	0.453220234	0.018253912	0.536037569
WV0093980	007	2003 to 2004	527.0830901	45.96043885	275.1272553	2915.846131	34.0976459	0.257378448	19.37803544
WV0093980	007	2004 to 2005	451.319154	36.08390374	177.3194015	1650.991811	29.19638476	0.202069854	12.48913577
WV0093980	008	2003 to 2004	289.0587427	59.92956006	1980.87473	4204.081197	18.69956149	0.335605524	139.5189316
WV0093980	008	2004 to 2005	202.3546404	93.63430727	1554.879215	3528.183933	13.0905677	0.524352102	109.5147934
WV0093980	DSUT	2003 to 2004	0.16179359	0.038300846	1.326110477	789.2000122	0.010466624	0.000214485	0.093401927
WV0093980	DSUT	2004 to 2005	0.16179359	0.038300846	1.326110477	789.2000122	0.010466624	0.000214485	0.093401927
WV0094056	002	2003 to 2004	23.68934002	7.038179927	23.19581181	133.0165875	1.532492206	0.039413806	1.633750399
WV0094056	002	2004 to 2005	63.92267874	10.08291278	35.25480248	575.3237669	4.135235802	0.05646431	2.483101178

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0094056	004	2003 to 2004	2.292643672	3.927774445	1.154973323	90.40802462	0.148313906	0.021995536	0.081348225
WV0094056	004	2004 to 2005	0.086514855	0.346059418	0.216287136	17.30297091	0.005596751	0.001937933	0.01523375
WV0094072	002	2003 to 2004	18.16811965	3.893168497	26.60331806	194.6584249	1.175317748	0.021801743	1.873751256
WV0094072	002	2004 to 2005	4.952975301	1.4707525	2.919876275	45.42029759	0.320413994	0.008236214	0.205655619
WV0094099	001	2003 to 2004	271.2858549	555.4871351	481.1770697	5989.608578	17.54981177	3.110727846	33.89074012
WV0094099	001	2004 to 2005	189.3473734	65.10242801	334.5481401	2744.924088	12.24911179	0.364573584	23.56322607
WV0094099	002	2003 to 2004	269.9912307	217.4118273	570.0463665	9064.096367	17.46606096	1.217506189	40.15007048
WV0094099	002	2004 to 2005	231.6589689	306.2316804	283.6296806	14831.89003	14.98630034	1.714897349	19.97688668
WV0094099	003	2003 to 2004	432.5742745	621.8255172	598.3944135	6828.725649	27.98375572	3.482222772	42.14670821
WV0094099	003	2004 to 2005	255.8367757	168.0859985	350.5396422	7633.545273	16.55039205	0.941281558	24.68955539
WV0094099	004	2003 to 2004	1270.117344	383.3040523	3325.602122	9864.585736	82.16543515	2.146502616	234.2321036
WV0094099	004	2004 to 2005	799.0433159	119.9803716	1270.588589	7916.79723	51.69108354	0.671890057	89.49135442
WV0094099	005	2003 to 2004	365.0848208	333.0861209	1626.445837	9954.564368	23.61778091	1.865282211	114.5554447
WV0094099	005	2004 to 2005	223.2083291	186.2502642	912.6235872	9559.891618	14.43961817	1.043001442	64.27880871
WV0094099	DSC	2003 to 2004	11706.16717	2927.223869	17253.0638	789.2000122	757.2861861	16.39245308	1215.184884
WV0094099	DSC	2004 to 2005	11706.16717	2927.223869	17253.0638	789.2000122	757.2861861	16.39245308	1215.184884
WV0094099	USC	2003 to 2004	888.0502645	853.1198862	922.8292388	789.2000122	57.44905126	4.777471192	64.99762327
WV0094099	USC	2004 to 2005	888.0502645	853.1198862	922.8292388	789.2000122	57.44905126	4.777471192	64.99762327
WV0094153	002	2003 to 2004	25.52188127	20.33099016	27.68475256	432.5742588	1.651041528	0.113853541	1.949919922
WV0094153	002	2004 to 2005	25.52188127	20.33099016	27.68475256	432.5742588	1.651041528	0.113853541	1.949919922
WV0094188	005	2003 to 2004	38.24000168	1834.980116	98.30250623	58162.31619	2.473792315	10.27588829	6.923739516
WV0094188	005	2004 to 2005	38.24000168	1834.980116	98.30250623	58162.31619	2.473792315	10.27588829	6.923739516
WV0094188	058	2003 to 2004	38.24000168	363.2542377	168.2353404	20607.05709	2.473792315	2.034223659	11.84931818
WV0094188	058	2004 to 2005	38.24000168	363.2542377	168.2353404	20607.05709	2.473792315	2.034223659	11.84931818
WV0094226	001	2003 to 2004	161.4853835	209.329902	50.82747708	3165.001769	10.44668579	1.17224741	3.579931225
WV0094226	001	2004 to 2005	110.8863573	127.8919327	34.56088132	2472.470962	7.173373266	0.716194798	2.434226235
WV0094234	001	2003 to 2004	32.96994549	28.42162362	63.69176316	247.8611203	2.132865857	0.159161087	4.486001368
WV0094234	001	2004 to 2005	52.79208331	30.44601808	69.97609549	653.9080819	3.415184051	0.170497695	4.928625689
WV0094234	002	2003 to 2004	141.9109456	105.8337	343.8472325	1248.775076	9.1803916	0.592668699	24.21818896
WV0094234	002	2004 to 2005	93.31347794	53.69688493	269.1332866	848.5665084	6.036562334	0.300702545	18.9558623
WV0094242	001	2003 to 2004	266.4819715	612.0889861	246.9746745	16863.21387	17.23904272	3.4276982	17.39516497

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0094242	001	2004 to 2005	56.00755378	85.18108351	12.90873723	3173.350431	3.623196746	0.477014051	0.90920097
WV0094242	004	2003 to 2004	46.60987634	53.31477727	22.06128714	421.7598981	3.015249567	0.298562742	1.553842434
WV0094242	004	2004 to 2005	12.06161251	14.83729738	3.684090807	773.1904516	0.780280377	0.083088862	0.259481534
WV0094242	005	2003 to 2004	38.25578715	111.7807972	149.8869889	1697.962159	2.47481338	0.625972442	10.55698891
WV0094242	005	2004 to 2005	14.03703455	20.73603685	3.330821811	826.7752435	0.908072831	0.116121802	0.234599742
WV0094242	008	2003 to 2004	71.73008279	163.205945	61.62020426	1570.910751	4.640306262	0.91395326	4.340095279
WV0094242	008	2004 to 2005	4.469934037	8.750016051	2.941504991	692.3639504	0.289165467	0.049000088	0.207178994
WV0094242	015	2003 to 2004	325.3174817	448.7705743	288.2350557	11465.24766	21.0451834	2.513115126	20.30125702
WV0094242	015	2004 to 2005	715.3264233	1096.705519	185.3472563	17164.90744	46.27533598	6.141550685	13.0545616
WV0094242	017	2003 to 2004	7.353762568	14.70752514	0.735376257	220.612877	0.475723841	0.082362138	0.051794749
WV0094242	017	2004 to 2005	7.353762568	14.70752514	0.735376257	220.612877	0.475723841	0.082362138	0.051794749
WV0094242	018	2003 to 2004	3.633623696	5.190890994	2.595445497	155.7267298	0.235063534	0.029068989	0.182804989
WV0094242	018	2004 to 2005	3.633623696	5.190890994	2.595445497	155.7267298	0.235063534	0.029068989	0.182804989
WV0094251	001	2003 to 2004	6.488613714	75.70049333	21.62871238	648.8613714	0.41975631	0.423922748	1.5233749
WV0094251	001	2004 to 2005	6.488613714	75.70049333	21.62871238	648.8613714	0.41975631	0.423922748	1.5233749
WV0094251	002	2003 to 2004	147.7962102	1092.610522	612.6333152	7360.251241	9.56111652	6.118618704	43.14959665
WV0094251	002	2004 to 2005	68.52369631	810.1919428	814.8716077	4736.019696	4.432881222	4.537074718	57.39384444
WV0094269	002	2003 to 2004	627.2680789	668.3351093	1120.630828	15151.23616	40.57873463	3.742676479	78.92938077
WV0094269	002	2004 to 2005	439.7903972	605.293314	774.8584939	15506.63924	28.45057547	3.389642437	54.57560116
WV0094439	015	2003 to 2004	26.07782556	59.11897185	106.4420767	364.0112369	1.687006239	0.331066231	7.497033808
WV0094439	015	2004 to 2005	5.854171692	3.7958392	7.577259127	126.1674943	0.378713484	0.021256699	0.533689022
WV0094501	003	2003 to 2004	423.4283399	57.31825201	9.780720294	7420.335569	27.39209409	0.3209822	0.688885382
WV0094501	003	2004 to 2005	423.4283399	57.31825201	9.780720294	7420.335569	27.39209409	0.3209822	0.688885382
WV0094501	008	2003 to 2004	8.898052875	0	1.570244625	78.51223125	0.575625858	0	0.110597025
WV0094501	008	2004 to 2005	8.898052875	0	1.570244625	78.51223125	0.575625858	0	0.110597025
WV0094528	008	2003 to 2004	1086.82553	495.730105	5258.596911	4657.409119	70.30806485	2.776088489	370.3787078
WV0094528	008	2004 to 2005	1567.601085	420.0776782	7394.857148	7978.592106	101.41002	2.352434914	520.8419054
WV0094552	004	2003 to 2004	29.19876295	58.66788457	47.3128108	2766.312442	1.888903473	0.328540142	3.332382767
WV0094552	004	2004 to 2005	27.69556721	60.45585811	17.33901823	2696.505724	1.791659914	0.338552793	1.221238911
WV0094552	DBJ	2003 to 2004	4295.476929	10931.99534	5602.478469	789.2000122	277.8796248	61.21917171	394.5993144
WV0094552	DBJ	2004 to 2005	3145.96909	3997.540684	2418.595485	789.2000122	203.5165651	22.38622703	170.3489135



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0094625	001	2003 to 2004	2.573816923	0.962477757	3.849911028	16.22153523	0.166503346	0.005389875	0.271160748
WV0094625	001	2004 to 2005	1.946584123	4.54202962	8.435197865	77.86336491	0.125926893	0.025435365	0.594116214
WV0094625	002	2003 to 2004	4.195970348	11.4415892	10.51155456	45.42029759	0.271442423	0.064072897	0.740360226
WV0094625	002	2004 to 2005	2.335901073	5.190891274	10.38178255	25.95445637	0.15111228	0.02906899	0.731219995
WV0094650	003	2003 to 2004	9.949207953	21.62871294	6.704901012	151.4009906	0.643626358	0.121120788	0.472246231
WV0094650	003	2004 to 2005	31.14534663	87.38000028	36.33623774	778.6336659	2.014830339	0.489327984	2.559269898
WV0094650	005	2003 to 2004	16.49189353	14.18483084	13.93249573	472.2269001	1.066880642	0.07943505	0.981307343
WV0094650	005	2004 to 2005	16.49189353	14.18483084	13.93249573	472.2269001	1.066880642	0.07943505	0.981307343
WV0094650	006	2003 to 2004	12.97722776	2.811732682	7.3537624	495.6580049	0.839512641	0.015745702	0.517947479
WV0094650	006	2004 to 2005	12.97722776	2.811732682	7.3537624	495.6580049	0.839512641	0.015745702	0.517947479
WV0094650	010	2003 to 2004	9.747667727	27.95019618	17.09159914	707.3572336	0.630588476	0.156521093	1.203812445
WV0094650	010	2004 to 2005	17.38948555	20.35802652	18.84942372	471.4158317	1.124946962	0.114004944	1.327621287
WV0094650	012	2003 to 2004	8.894808452	12.66361171	13.8694124	527.7406086	0.575415973	0.070916223	0.976864196
WV0094650	012	2004 to 2005	8.894808452	12.66361171	13.8694124	527.7406086	0.575415973	0.070916223	0.976864196
WV0094650	013	2003 to 2004	4.03735981	7.534001758	2.6675413	136.98185	0.261181715	0.042190408	0.187882912
WV0094650	013	2004 to 2005	11.48484664	9.668034738	8.975915935	720.2361465	0.742968692	0.054140993	0.632200604
WV0094650	016	2003 to 2004	1.730297035	11.67950499	6.488613882	151.4009906	0.111935019	0.065405226	0.457012482
WV0094650	016	2004 to 2005	33.66869602	15.50057743	10.38178204	1211.207909	2.178068878	0.086803231	0.731219959
WV0094650	019	2003 to 2004	3.330821901	0.821891118	1.124693109	30.2801991	0.215474918	0.00460259	0.079215499
WV0094650	019	2004 to 2005	3.330821901	0.821891118	1.124693109	30.2801991	0.215474918	0.00460259	0.079215499
WV0094650	020	2003 to 2004	3.244306941	6.921188141	6.272326753	151.4009906	0.20987816	0.038758652	0.441778732
WV0094650	020	2004 to 2005	26.12748485	24.59184617	14.27495026	857.037732	1.69021876	0.137714334	1.00542744
WV0094650	021	2003 to 2004	3.547109037	0.648861409	1.4274951	38.93168455	0.229466796	0.003633624	0.100542749
WV0094650	021	2004 to 2005	3.547109037	0.648861409	1.4274951	38.93168455	0.229466796	0.003633624	0.100542749
WV0094650	022	2003 to 2004	6.880093627	13.41088346	10.3471764	686.1709362	0.445081621	0.075100945	0.72878258
WV0094650	022	2004 to 2005	18.52679494	21.65034151	21.08979758	432.6193229	1.198520889	0.121241908	1.485417519
WV0094650	023	2003 to 2004	7.570049529	10.81435647	10.16549508	216.2871294	0.489715707	0.060560394	0.715986221
WV0094650	023	2004 to 2005	7.570049529	10.81435647	10.16549508	216.2871294	0.489715707	0.060560394	0.715986221
WV0094650	024	2003 to 2004	5.243488313	8.54874892	11.45879401	335.5891501	0.339207634	0.047872992	0.807077133
WV0094650	024	2004 to 2005	13.13789855	7.826504286	11.51574497	274.2211823	0.84990663	0.043828422	0.81108836
WV0094668	002	2003 to 2004	26.99263462	0.346059418	463.373561	207.6356509	1.74618635	0.001937933	32.63678576

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0094668	002	2004 to 2005	26.99263462	0.346059418	463.373561	207.6356509	1.74618635	0.001937933	32.63678576
WV0094668	008	2003 to 2004	985.9381357	30.34553521	7435.181138	4533.806357	63.78153666	0.169934991	523.6820446
WV0094668	008	2004 to 2005	183.6503076	4.134238464	2307.143851	612.8135515	11.88056167	0.023151735	162.4990416
WV0094668	009	2003 to 2004	12.21571735	53.40489805	2073.878189	4506.094593	0.790249606	0.299067418	146.0694434
WV0094668	009	2004 to 2005	148.9362251	30.72719291	826.6980992	2336.261591	9.634865472	0.172072274	58.22681961
WV0094668	011	2003 to 2004	410.6684272	14.32226332	11727.78675	2410.925646	26.56663983	0.080204672	826.0230961
WV0094668	011	2004 to 2005	146.4804603	4.895749359	2110.318054	509.1759579	9.475999058	0.027416195	148.6360121
WV0094668	015	2003 to 2004	1946.020965	104.2909541	36701.22321	12101.37787	125.8904621	0.584029322	2584.976916
WV0094668	015	2004 to 2005	1746.243751	418.6057284	26543.29803	28766.1892	112.9666312	2.344191996	1869.523866
WV0094668	017	2003 to 2004	184.6844324	6.713913234	2813.131443	1276.319409	11.94746046	0.037597913	198.137261
WV0094668	017	2004 to 2005	89.07965761	1.616746326	1417.071228	242.9625449	5.762671349	0.009053779	99.80856473
WV0094668	021	2003 to 2004	120.6810081	3.158693297	1637.504433	1793.561001	7.80700113	0.017688682	115.3343346
WV0094668	021	2004 to 2005	35.00823531	17.97562365	277.972221	1326.056414	2.264725304	0.100663489	19.57841488
WV0094668	025	2003 to 2004	0	10.59806954	4.542029801	151.4009934	0	0.059349187	0.319908743
WV0094668	025	2004 to 2005	0	10.59806954	4.542029801	151.4009934	0	0.059349187	0.319908743
WV0094684	002	2003 to 2004	13.08537133	28.54990108	0.973292082	854.3341611	0.84650858	0.15987944	0.068551872
WV0094684	002	2004 to 2005	13.08537133	28.54990108	0.973292082	854.3341611	0.84650858	0.15987944	0.068551872
WV0094684	006	2003 to 2004	2.800918408	2.761265743	14.26413652	80.84813085	0.181194817	0.015463088	1.004665796
WV0094684	006	2004 to 2005	2.278224499	4.952975415	6.481404452	69.21188318	0.147381113	0.027736661	0.4565047
WV0094684	009	2003 to 2004	1.477962068	3.676881279	0.295592421	47.22269057	0.095611163	0.020590534	0.020819458
WV0094684	009	2004 to 2005	0.735376243	1.038178227	0.237915843	60.56039644	0.047572383	0.005813798	0.016757124
WV0094684	011	2003 to 2004	4.974604029	9.300346858	18.89808839	260.8152472	0.321813183	0.052081941	1.331048886
WV0094684	011	2004 to 2005	16.40177428	15.42848227	12.00393581	904.801179	1.061050719	0.086399498	0.8454731
WV0094692	001	2003 to 2004	362.3981046	169.3167785	872.2986419	9938.93469	23.44397397	0.948173926	61.43860221
WV0094692	001	2004 to 2005	84.4817567	108.6194015	1152.572538	7543.013991	5.46522755	0.608268627	81.17913094
WV0094706	008	2003 to 2004	377.5436071	36.90939909	195.4586807	1720.924615	24.42375494	0.206692628	13.76673946
WV0094706	008	2004 to 2005	366.7472714	25.14337897	278.7364335	1519.05661	23.72532686	0.140802917	19.63224065
WV0094706	014	2003 to 2004	48.33656814	16.85597677	69.49305403	599.8362998	3.126951359	0.094393467	4.894603634
WV0094706	014	2004 to 2005	378.3078362	533.9805064	1032.500735	10610.32617	24.47319386	2.990290729	72.72211478
WV0094749	001	2003 to 2004	57.93742295	5.886942354	68.97199924	1035.818736	3.748042328	0.032966876	4.857904187
WV0094749	001	2004 to 2005	25.43176227	7.321319479	64.12913529	470.7849936	1.64521162	0.040999388	4.516806795

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0094749	002	2003 to 2004	2.508930686	3.806653501	1.514009922	125.4465363	0.162305776	0.021317259	0.106636247
WV0094749	002	2004 to 2005	4.671801894	5.190890994	0.389316825	220.6128672	0.302224544	0.029068989	0.027420748
WV0094749	003	2003 to 2004	27.65230996	1.903326772	33.3694998	170.1458788	1.78886155	0.01065863	2.350313672
WV0094749	003	2004 to 2005	15.82828568	1.769621988	26.98083677	130.9520278	1.023951044	0.009909883	1.900341028
WV0094773	002	2003 to 2004	4.498772437	0.865148546	7.959366619	51.90891274	0.291031058	0.004844832	0.560601996
WV0094773	002	2004 to 2005	4.931346444	1.297722748	38.41259335	155.7267298	0.319014797	0.007267247	2.705513834
WV0094773	003	2003 to 2004	15.57267298	4.671801894	50.35164264	259.5445497	1.007415148	0.02616209	3.546416782
WV0094773	003	2004 to 2005	31.79420802	0.648861388	18.16811887	43.25742588	2.056805971	0.003633624	1.279634949
WV0094773	005	2003 to 2004	42.42832723	14.72554936	73.82600977	312.1744362	2.744740071	0.082463073	5.199786666
WV0094773	005	2004 to 2005	7.19154724	7.24561898	51.63855296	124.6600373	0.465229934	0.040575465	3.637057725
WV0094773	007	2003 to 2004	10.90087109	11.93904929	4.152712795	415.2712795	0.705190603	0.066858674	0.292487982
WV0094773	007	2004 to 2005	10.90087109	11.93904929	4.152712795	415.2712795	0.705190603	0.066858674	0.292487982
WV0094773	009	2003 to 2004	3.503851435	2.811732626	7.094217822	236.4739246	0.226668409	0.015745702	0.499666979
WV0094773	009	2004 to 2005	6.799280892	8.981814664	6.170082015	456.1692227	0.439853747	0.05029816	0.43457733
WV0094781	001	2003 to 2004	22.71735834	4.751107347	45.14993863	649.2218723	1.46961353	0.0266062	3.180045212
WV0094781	001	2004 to 2005	7.898085134	4.296904324	41.81911694	360.6096363	0.510936729	0.024062663	2.945445478
WV0094781	002	2003 to 2004	3.835491732	11.99672603	4.354580896	193.2165011	0.248122623	0.067181663	0.306706156
WV0094781	002	2004 to 2005	9.862692888	21.02310852	0.519089099	622.9069193	0.638029594	0.117729404	0.036560998
WV0094781	003	2003 to 2004	28.14976989	2.681960407	77.73359428	1402.622037	1.821042837	0.015018978	5.47500953
WV0094781	003	2004 to 2005	19.08045751	2.640669283	63.72212219	447.1244914	1.234337993	0.014787747	4.488139645
WV0094781	DUTDR	2003 to 2004	165.9979707	43.300684	765.5603149	789.2000122	10.73861054	0.242483822	53.92070261
WV0094781	DUTDR	2004 to 2005	152.0616506	54.75669257	683.023948	789.2000122	9.837053049	0.306637467	48.10741944
WV0094781	UUTDR	2003 to 2004	105.8455142	32.95675157	454.0623849	789.2000122	6.847274999	0.184557802	31.98097177
WV0094781	UUTDR	2004 to 2005	93.70640043	16.58561833	334.5601458	789.2000122	6.061980967	0.092879459	23.56407167
WV0094790	001	2003 to 2004	15.81599656	12.56808469	19.88219459	441.5411682	1.023156046	0.070381272	1.400362428
WV0094790	001	2004 to 2005	11.23251169	8.007430239	9.437328454	263.8702992	0.726644837	0.044841608	0.664699268
WV0094790	002	2003 to 2004	83.61570546	6.742751436	53.90866728	915.2550649	5.409201643	0.037759407	3.796948666
WV0094790	002	2004 to 2005	50.18942904	5.136819361	34.55295064	651.5963439	3.246815183	0.028766187	2.433667654
WV0094790	003	2003 to 2004	15.09954543	3.616501075	6.595856312	331.46003	0.976807951	0.020252405	0.464565887
WV0094790	003	2004 to 2005	31.74283982	5.415289092	6.507539084	251.0282523	2.053482899	0.030325618	0.45834544
WV0094871	001	2003 to 2004	34.87029212	34.97843564	60.70458808	654.8693695	2.255801591	0.195879233	4.275605693

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0094871	001	2004 to 2005	22.34967035	40.73407658	43.8161686	828.1994674	1.445827346	0.228110821	3.086103799
WV0094889	002	2003 to 2004	93.0674518	55.29650828	683.9702048	4414.465428	6.020646604	0.309660435	48.17406713
WV0094889	002	2004 to 2005	93.26661641	79.92350309	747.5406013	3472.084346	6.033530805	0.447571601	52.65152029
WV0094889	005	2003 to 2004	47.29748979	96.69656963	173.9741596	3032.70609	3.059732116	0.541500771	12.25352038
WV0094889	005	2004 to 2005	56.2941335	104.2666206	286.0199061	3090.56292	3.641735936	0.583893055	20.14523741
WV0094889	006	2003 to 2004	58.04245414	81.794386	267.4732839	3423.059294	3.754836924	0.458048545	18.83894334
WV0094889	006	2004 to 2005	69.07778521	105.9785333	186.6839127	2302.809103	4.468725907	0.593479765	13.1487063
WV0094889	014	2003 to 2004	13.62608964	5.299034838	16.76225296	291.9876317	0.881488305	0.029674594	1.180615609
WV0094889	014	2004 to 2005	13.62608964	5.299034838	16.76225296	291.9876317	0.881488305	0.029674594	1.180615609
WV0094889	015	2003 to 2004	101.384593	29.03654793	390.1279168	1897.919634	6.558692582	0.162604663	27.47787597
WV0094889	015	2004 to 2005	101.384593	29.03654793	390.1279168	1897.919634	6.558692582	0.162604663	27.47787597
WV0094889	016	2003 to 2004	28.93110697	40.91882095	35.70494961	2565.908834	1.871588483	0.229145389	2.514806387
WV0094889	016	2004 to 2005	59.6705309	43.52315151	99.51371081	1178.455902	3.860159188	0.24372964	7.009048277
WV0094889	017	2003 to 2004	38.31133304	33.89612622	44.21302304	1887.74427	2.478406712	0.1898183	3.114055445
WV0094889	017	2004 to 2005	28.55855273	39.03333863	33.10490799	1087.707982	1.847487496	0.218586689	2.33167768
WV0094889	019	2003 to 2004	6.131740144	7.692097314	2.952319339	225.6338282	0.396669725	0.043075743	0.207940681
WV0094889	019	2004 to 2005	75.08287757	279.1545977	104.6301043	1777.760105	4.857202632	1.563265692	7.369411169
WV0094889	021	2003 to 2004	17.46788968	13.52876031	17.57693443	1429.612902	1.13001902	0.075761055	1.237996061
WV0094889	021	2004 to 2005	35.91267584	51.84402559	57.85861106	1401.94617	2.323234661	0.290326533	4.07515502
WV0094901	001	2003 to 2004	87.08260597	72.0794895	195.6799252	1860.970522	5.633479651	0.403645127	13.78232237
WV0094901	001	2004 to 2005	98.60620602	63.94303832	149.6675432	2329.222294	6.378955348	0.358081002	10.54153269
WV0094901	003	2003 to 2004	96.91736338	46.05473991	223.747237	1405.415773	6.269702065	0.257906534	15.75918708
WV0094901	003	2004 to 2005	182.2791374	29.33781799	184.6752368	1538.471944	11.791859	0.164291775	13.00722926
WV0095036	001	2003 to 2004	9.084059659	11.84172072	7.851223069	128.1501293	0.587658863	0.066313634	0.552985122
WV0095036	001	2004 to 2005	9.084059659	11.84172072	7.851223069	128.1501293	0.587658863	0.066313634	0.552985122
WV0095061	001	2003 to 2004	29.55563662	186.4976334	176.9228735	685.3598541	1.911990066	1.04438671	12.46120712
WV0095061	001	2004 to 2005	3.785024667	55.80207794	94.62561667	540.7178095	0.244857847	0.312491625	6.664765187
WV0095061	002	2003 to 2004	38.47387457	212.8337403	90.71923256	4852.041205	2.488921721	1.191868903	6.389626872
WV0095061	002	2004 to 2005	45.67263098	191.8827267	25.86433522	5777.957309	2.954618025	1.074543231	1.821702484
WV0095061	003	2003 to 2004	15.94396628	19.40576183	5.171064802	773.827288	1.031434563	0.108672262	0.36421356
WV0095061	003	2004 to 2005	16.44638334	14.17807204	6.040719403	788.7410461	1.063936533	0.079397201	0.425465934

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0095206	002	2003 to 2004	1.076569204	7.380528111	0.538014243	31.90235218	0.069644571	0.041330956	0.037893952
WV0095206	002	2004 to 2005	1.599082895	3.988334795	0.109585482	72.09571213	0.103446617	0.022334674	0.007718433
WV0095206	WL-3	2003 to 2004	18769.88428	2132.69816	11388.26193	789.2000122	1214.246634	11.94310927	802.1093475
WV0095206	WL-3	2004 to 2005	12467.45349	23404.48911	5835.673699	789.2000122	806.5347234	131.0651343	411.0239519
WV0095311	001	2003 to 2004	191.7385467	227.6559743	478.4625388	9103.722172	12.40379969	1.274873411	33.69954759
WV0095311	001	2004 to 2005	182.8347295	173.9173907	907.392145	5713.589802	11.82780094	0.973937353	63.91034259
WV0095311	002	2003 to 2004	82.94320728	106.013608	144.4036266	2470.607337	5.365696918	0.593676183	10.1707793
WV0095311	002	2004 to 2005	15.83694882	18.54973085	195.4727326	1267.153741	1.024511473	0.103878489	13.76772917
WV0095311	DUWR-1	2003 to 2004	2339.291999	110.9081805	1321.056485	789.2000122	151.3316434	0.621085789	93.04595922
WV0095311	DUWR-1	2004 to 2005	2339.291999	110.9081805	1321.056485	789.2000122	151.3316434	0.621085789	93.04595922
WV0095311	UUWR-2	2003 to 2004	3.2445018	10.18773565	1.232910684	789.2000122	0.209890766	0.057051318	0.086837587
WV0095311	UUWR-2	2004 to 2005	3.2445018	10.18773565	1.232910684	789.2000122	0.209890766	0.057051318	0.086837587
WV0095567	001	2003 to 2004	99.06442247	155.5350272	239.6510617	5210.553661	6.408597928	0.870996121	16.87934102
WV0095567	001	2004 to 2005	76.95090562	64.59775714	71.22830988	2527.85589	4.978047638	0.361747427	5.016822894
WV0095567	002	2003 to 2004	88.26481263	127.6310378	89.21696855	3746.191454	5.709958037	0.714733786	6.283817924
WV0095567	002	2004 to 2005	74.19099187	63.21667423	69.55208452	2214.690145	4.799505462	0.354013363	4.898761329
WV0095583	001	2003 to 2004	345.6301737	1001.214994	199.0375432	26842.01895	22.35923614	5.606803767	14.01880945
WV0095583	001	2004 to 2005	609.8445246	2395.639013	584.4653904	59044.87388	39.45158372	13.41557799	41.16564546
WV0095583	002	2003 to 2004	37.27586137	57.67334806	10.40701577	1186.3229	2.41142079	0.322970738	0.732997246
WV0095583	002	2004 to 2005	36.34657283	52.00090848	4.066272792	1052.461049	2.351303985	0.291205077	0.286399754
WV0095583	003	2003 to 2004	17.55674751	24.51109971	5.627791157	318.3025642	1.135767341	0.137262154	0.396382163
WV0095583	003	2004 to 2005	17.55674751	24.51109971	5.627791157	318.3025642	1.135767341	0.137262154	0.396382163
WV0095583	005	2003 to 2004	82.07375408	366.7869153	128.240241	1103.064335	5.309450933	2.054006652	9.032343711
WV0095583	005	2004 to 2005	82.07375408	366.7869153	128.240241	1103.064335	5.309450933	2.054006652	9.032343711
WV0095699	002	2003 to 2004	1.081435619	10.81435619	3.244306857	0	0.069959385	0.060560393	0.228506235
WV0095699	002	2004 to 2005	1.081435619	10.81435619	3.244306857	0	0.069959385	0.060560393	0.228506235
WV0095699	003	2003 to 2004	76.1925477	27.7280097	2.595445553	3578.470532	4.928988542	0.155276849	0.182804993
WV0095699	003	2004 to 2005	0	0	1.297722832	389.3168497	0	0	0.0914025
WV0095699	005	2003 to 2004	8.983125447	1.643782185	0.230706272	87.95676624	0.581129306	0.00920518	0.016249333
WV0095699	005	2004 to 2005	86.51485176	19.03326739	0.865148518	1384.237628	5.596750941	0.106586294	0.060934998
WV0095699	007	2003 to 2004	2.162871238	0	2.162871238	0	0.13991877	0	0.15233749

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0095699	007	2004 to 2005	2.162871238	0	2.162871238	0	0.13991877	0	0.15233749
WV0095711	001	2003 to 2004	11.22289903	6.507839455	3.893168322	393.1619433	0.726022983	0.0364439	0.274207489
WV0095711	001	2004 to 2005	7.858432378	1.528429055	0.216287129	177.355446	0.508371544	0.008559202	0.015233749
WV0095711	002	2003 to 2004	13.76667594	8.018845335	5.158447992	454.7436916	0.890583003	0.044905532	0.36332492
WV0095711	002	2004 to 2005	7.065379649	1.398656771	0.201867989	145.6333359	0.457067999	0.007832478	0.014218166
WV0095711	004	2003 to 2004	28.49582939	59.0103398	46.33591367	1445.519013	1.843429847	0.330457891	3.263576981
WV0095711	004	2004 to 2005	92.74872873	86.61218334	36.00459839	2025.889505	6.000028021	0.485028209	2.535911547
WV0095711	006	2003 to 2004	4.789215068	5.005502224	0.525268749	162.5243302	0.309820145	0.028030811	0.036996249
WV0095711	006	2004 to 2005	2.523349838	4.477143585	0.735376243	209.077557	0.163238569	0.025072003	0.051794748
WV0095711	007	2003 to 2004	8.642833674	2.245060411	0.484483173	299.3413895	0.559115418	0.012572338	0.034123599
WV0095711	007	2004 to 2005	7.257634928	2.134033051	0.576765683	193.937464	0.469505227	0.011950585	0.040623332
WV0095711	008	2003 to 2004	0.865148546	597.1471613	64.90777033	1968.212962	0.055967511	3.344023984	4.57164839
WV0095711	008	2004 to 2005	0.865148546	597.1471613	64.90777033	1968.212962	0.055967511	3.344023984	4.57164839
WV0095711	009	2003 to 2004	10.89726683	11.86334928	0.601999188	411.3060299	0.704957439	0.066434754	0.042400603
WV0095711	009	2004 to 2005	17.1786058	14.97572111	1.081435669	315.3466431	1.111304894	0.083864035	0.076168749
WV0095711	010	2003 to 2004	6.449682279	2.876618869	0.575323774	239.2135697	0.417237788	0.016109065	0.040521774
WV0095711	010	2004 to 2005	31.98646449	5.810914274	0.951663384	340.6522372	2.069243275	0.032541119	0.067028498
WV0095753	007	2003 to 2004	660.2165059	0	0	61130.8576	42.71020842	0	0
WV0095753	007	2004 to 2005	660.2165059	0	0	61130.8576	42.71020842	0	0
WV0095788	001	2003 to 2004	103.0332929	62.3551875	104.2726184	1607.996514	6.665348979	0.349189038	7.344232372
WV0095788	001	2004 to 2005	149.1840495	85.09997429	176.7651638	2858.144327	9.650897533	0.476559839	12.45009916
WV0095788	002	2003 to 2004	208.8715731	113.998769	267.6244277	2563.002487	13.512156	0.638393084	18.84958885
WV0095788	002	2004 to 2005	120.9740263	158.9246933	179.0857417	2329.72138	7.825956839	0.889978251	12.6135444
WV0095788	004	2003 to 2004	37.72047537	76.13306955	10.38178221	1038.178221	2.44018341	0.426345174	0.731219971
WV0095788	004	2004 to 2005	37.72047537	76.13306955	10.38178221	1038.178221	2.44018341	0.426345174	0.731219971
WV0095788	006	2003 to 2004	37.62412976	32.25431002	77.52025731	367.6881218	2.433950696	0.18062413	5.459983569
WV0095788	006	2004 to 2005	36.10717039	61.55826758	142.5676307	2123.054854	2.33581675	0.344726286	10.04146462
WV0095788	007	2003 to 2004	58.39752671	64.36344634	29.13567912	968.786122	3.777807	0.360435287	2.052113019
WV0095788	007	2004 to 2005	49.88367762	101.0208367	53.94889166	1583.320102	3.227035752	0.565716665	3.799781789
WV0095788	008	2003 to 2004	652.4006281	219.5166878	1682.856421	11013.43891	42.20458979	1.229293408	118.5286108
WV0095788	008	2004 to 2005	158.1029462	81.8450178	849.0253121	11717.84701	10.2278718	0.458332083	59.79939199

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0095788	009	2003 to 2004	85.21712938	16.18368458	12.86367713	1082.517089	5.512799702	0.09062863	0.906027253
WV0095788	009	2004 to 2005	107.6480737	85.52681488	75.02214176	1794.691658	6.963884763	0.478950146	5.284033819
WV0095788	015	2003 to 2004	134.255324	117.8027552	108.3529742	2046.862808	8.685140128	0.659695406	7.631624035
WV0095788	015	2004 to 2005	141.5815583	195.7054484	97.12767031	1333.606813	9.159083136	1.095950472	6.840992308
WV0095788	023	2003 to 2004	43.25742476	43.25742476	4.325742476	2000.655895	2.798375398	0.24224157	0.30467498
WV0095788	023	2004 to 2005	43.25742476	43.25742476	4.325742476	2000.655895	2.798375398	0.24224157	0.30467498
WV0095788	024	2003 to 2004	50.17861469	29.95576788	7.959366564	972.2106692	3.246115589	0.167752294	0.560601992
WV0095788	024	2004 to 2005	50.17861469	29.95576788	7.959366564	972.2106692	3.246115589	0.167752294	0.560601992
WV0095788	025	2003 to 2004	56.23465532	39.82386857	5.217927119	1060.708159	3.63788822	0.223013656	0.367514213
WV0095788	025	2004 to 2005	101.8712397	77.5045277	19.81976638	2264.624594	6.590174348	0.43402534	1.395965423
WV0095788	028	2003 to 2004	55.80208032	50.20565009	92.97643352	1276.094063	3.609904418	0.28115163	6.548608286
WV0095788	028	2004 to 2005	55.80208032	50.20565009	92.97643352	1276.094063	3.609904418	0.28115163	6.548608286
WV0095796	002	2003 to 2004	5.670655517	0.814026115	0.755038719	179.3216947	0.366841599	0.004558546	0.053179635
WV0095796	002	2004 to 2005	5.670655517	1.3724402	1.317385294	205.2761559	0.366841599	0.007685665	0.092787386
WV0095796	004	2003 to 2004	2.778088069	1.30390242	0.574705817	197.1302711	0.179717895	0.007301853	0.040478249
WV0095796	004	2004 to 2005	2.778088069	0.793052819	0.639248638	133.6173847	0.179717895	0.004441096	0.045024193
WV0095796	006	2003 to 2004	27.83074669	1.879294818	1.792779974	151.8816275	1.800404839	0.010524051	0.126270855
WV0095796	006	2004 to 2005	27.83074669	4.547436895	4.179748784	232.5086646	1.800404839	0.025465646	0.294392208
WV0095796	007	2003 to 2004	36.83959681	6.367493143	6.276652568	477.5619874	2.383198305	0.03565796	0.442083412
WV0095796	007	2004 to 2005	36.83959681	7.286910107	10.39357976	520.6621173	2.383198305	0.040806695	0.732050908
WV0095796	009	2003 to 2004	150.559442	14.94111542	9.841064591	1884.293537	9.739873346	0.083670243	0.693135612
WV0095796	009	2004 to 2005	150.559442	44.13044014	39.69852016	6004.917353	9.739873346	0.247130456	2.796085505
WV0095796	013	2003 to 2004	9.076194526	114.0658998	192.6213823	1714.567055	0.587150058	0.638769016	13.56690004
WV0095796	013	2004 to 2005	9.076194526	66.35689196	43.93774762	1301.65528	0.587150058	0.371598582	3.094666973
WV0095796	017	2003 to 2004	24.13146442	17.12376134	4.319563021	1444.18009	1.561093771	0.09589306	0.304239742
WV0095796	017	2004 to 2005	24.13146442	17.12376134	4.319563021	1444.18009	1.561093771	0.09589306	0.304239742
WV0095800	001	2003 to 2004	20.76356442	2.584631214	0.71915471	593.7081746	1.343220226	0.014473934	0.050652217
WV0095800	001	2004 to 2005	11.54108131	6.034410964	1.29051322	1060.527899	0.746606581	0.0337927	0.090894706
WV0095800	002	2003 to 2004	12.97722743	2.107254597	0.556166898	588.9189556	0.839512619	0.011800625	0.039172498
WV0095800	002	2004 to 2005	12.97722743	2.107254597	0.556166898	588.9189556	0.839512619	0.011800625	0.039172498
WV0095800	005	2003 to 2004	38.24000168	0.865148518	0.216287129	151.4009906	2.473792315	0.004844832	0.015233749

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0095800	005	2004 to 2005	38.24000168	0.865148518	0.216287129	151.4009906	2.473792315	0.004844832	0.015233749
WV0095800	006	2003 to 2004	38.24000168	0.778633649	0.129772275	77.86336491	2.473792315	0.004360348	0.009140249
WV0095800	006	2004 to 2005	38.24000168	0.778633649	0.129772275	77.86336491	2.473792315	0.004360348	0.009140249
WV0095800	011	2003 to 2004	3.542783253	1.466426756	1.302048545	112.4693088	0.229186956	0.00821199	0.091707173
WV0095800	011	2004 to 2005	3.542783253	1.466426756	1.302048545	112.4693088	0.229186956	0.00821199	0.091707173
WV0095800	012	2003 to 2004	5.536950692	1.384237645	0.389316839	393.6425806	0.358192072	0.007751731	0.027420749
WV0095800	012	2004 to 2005	7.584468781	1.110273946	1.816811913	201.8679902	0.490648506	0.006217534	0.127963497
WV0095800	038	2003 to 2004	4.226250611	2.573816882	1.535638616	389.3168452	0.27340129	0.014413374	0.10815962
WV0095800	038	2004 to 2005	4.226250611	2.573816882	1.535638616	389.3168452	0.27340129	0.014413374	0.10815962
WV0095818	001	2003 to 2004	210.4113345	0	0	0	13.61176504	0	0
WV0095818	001	2004 to 2005	323.4303678	0	0	0	20.92310371	0	0
WV0095818	025	2003 to 2004	135.8914026	0	0	0	8.790980044	0	0
WV0095818	025	2004 to 2005	28.1428883	0	0	0	1.820597659	0	0
WV0095869	001	2003 to 2004	92.8412499	252.7270035	64.19672381	10823.59366	6.006013328	1.415271169	4.521567257
WV0095869	001	2004 to 2005	54.27455307	121.0329286	65.97433506	2489.78033	3.511086822	0.677784376	4.646769733
WV0095869	003	2003 to 2004	9.830249783	38.00164766	15.16172738	870.5556736	0.63593081	0.212809219	1.067885805
WV0095869	003	2004 to 2005	0.251974508	0.431492827	0.044338862	4.542029777	0.016300537	0.00241636	0.003122919
WV0095869	010	2003 to 2004	10.82967707	7.637188852	1.885302857	722.4891461	0.700584976	0.042768256	0.132787519
WV0095869	010	2004 to 2005	14.48673195	13.56751162	4.129732406	1686.36371	0.937164302	0.075978062	0.290869405
WV0095885	001	2003 to 2004	183.9161577	68.10611421	19.47755758	1823.661014	11.89775984	0.381394226	1.371862634
WV0095885	001	2004 to 2005	112.469311	38.75595132	16.29813693	777.7324929	7.275776465	0.21703332	1.147926529
WV0095885	002	2003 to 2004	183.5196342	135.9680074	12.95199463	3646.150534	11.87210825	0.761420814	0.912247719
WV0095885	002	2004 to 2005	119.4625932	34.64469265	12.3707227	1044.486604	7.728180393	0.194010272	0.871306998
WV0095885	004	2003 to 2004	5.190890994	2.335900947	2.530559359	181.6811848	0.335805049	0.013081045	0.178234864
WV0095885	004	2004 to 2005	5.190890994	2.335900947	2.530559359	181.6811848	0.335805049	0.013081045	0.178234864
WV0095885	005	2003 to 2004	8.687532875	9.958219747	2.6260862	215.3859291	0.562007064	0.055766029	0.184963105
WV0095885	005	2004 to 2005	8.687532875	9.958219747	2.6260862	215.3859291	0.562007064	0.055766029	0.184963105
WV0095885	009	2003 to 2004	4.325742588	2.271014859	1.351794559	37.85024765	0.279837547	0.012717683	0.095210934
WV0095885	009	2004 to 2005	4.325742588	2.271014859	1.351794559	37.85024765	0.279837547	0.012717683	0.095210934
WV0095885	011	2003 to 2004	11.24693039	8.856957685	46.11241461	112.4693039	0.727577601	0.049598961	3.247835274
WV0095885	011	2004 to 2005	11.24693039	8.856957685	46.11241461	112.4693039	0.727577601	0.049598961	3.247835274



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0095885	012	2003 to 2004	1.730297091	1.4274951	0.086514855	17.30297091	0.111935022	0.007993972	0.0060935
WV0095885	012	2004 to 2005	1.730297091	1.4274951	0.086514855	17.30297091	0.111935022	0.007993972	0.0060935
WV0095885	014	2003 to 2004	37.52581629	26.20994416	109.4967087	353.0887316	2.427590678	0.146775682	7.712180672
WV0095885	014	2004 to 2005	37.52581629	26.20994416	109.4967087	353.0887316	2.427590678	0.146775682	7.712180672
WV0095885	016	2003 to 2004	1.892512417	0.421759911	0.136531253	20.5472777	0.122428929	0.002361855	0.009616304
WV0095885	016	2004 to 2005	2.127400261	0.668922034	0.549217925	11.25666395	0.137624109	0.003745963	0.038683061
WV0095885	018	2003 to 2004	48.88089122	29.96658177	3.703917086	373.6360155	3.16216428	0.167812852	0.260877958
WV0095885	018	2004 to 2005	2.816058516	3.442317919	1.849471303	61.6850913	0.182174249	0.01927698	0.130263795
WV0095885	019	2003 to 2004	6.488613882	4.612323039	1.005735148	103.2771042	0.419756321	0.025829008	0.070836934
WV0095885	019	2004 to 2005	6.488613882	4.612323039	1.005735148	103.2771042	0.419756321	0.025829008	0.070836934
WV0095885	021	2003 to 2004	4.109455417	23.46715321	2.011470278	432.5742518	0.265845667	0.131416053	0.141673868
WV0095885	021	2004 to 2005	4.109455417	23.46715321	2.011470278	432.5742518	0.265845667	0.131416053	0.141673868
WV0095923	014	2003 to 2004	215.1956032	0	0	0	13.9212652	0	0
WV0095923	014	2004 to 2005	167.2592588	0	0	0	10.8202048	0	0
WV0095923	027	2003 to 2004	5.363920983	0	0	0	0.34699857	0	0
WV0095923	027	2004 to 2005	5.363920983	0	0	0	0.34699857	0	0
WV0095923	030	2003 to 2004	18.42766402	0	0	0	1.192107989	0	0
WV0095923	030	2004 to 2005	18.42766402	0	0	0	1.192107989	0	0
WV0095923	087	2003 to 2004	240.7612325	0	0	0	15.57513684	0	0
WV0095923	087	2004 to 2005	40.66922644	0	0	0	2.630941702	0	0
WV0095923	090	2003 to 2004	128.5923116	0	0	0	8.318792973	0	0
WV0095923	090	2004 to 2005	308.3049094	0	0	0	19.94461941	0	0
WV0095991	003	2003 to 2004	503.8048168	731.1856646	69.60300048	3592.13603	32.5917461	4.094639576	4.902347492
WV0095991	003	2004 to 2005	76.95761587	109.1129259	34.07407155	2383.09095	4.978481732	0.611032363	2.399938767
WV0095991	021	2003 to 2004	5.190891274	4.585287292	1.167950537	147.0752528	0.335805067	0.025677608	0.082262249
WV0095991	021	2004 to 2005	5.190891274	4.585287292	1.167950537	147.0752528	0.335805067	0.025677608	0.082262249
WV0096083	001	2003 to 2004	324.3717155	498.5270989	289.3508927	7058.038997	20.98400063	2.791751654	20.37984876
WV0096083	001	2004 to 2005	205.0795269	278.7302114	249.1136194	4419.139363	13.26684392	1.560889128	17.54581726
WV0096083	003	2003 to 2004	3.460594182	4.066198164	0.692118836	51.90891274	0.223870045	0.022770709	0.048748
WV0096083	003	2004 to 2005	3.460594182	4.066198164	0.692118836	51.90891274	0.223870045	0.022770709	0.048748
WV0096083	004	2003 to 2004	16.32246871	15.22877681	5.707096404	197.8306282	1.055920345	0.085281147	0.401967868

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0096083	004	2004 to 2005	5.536950524	4.087826763	2.396461399	102.0875258	0.358192061	0.022891829	0.168789944
WV0096083	005	2003 to 2004	12.11207936	11.98230706	4.28248521	220.6128742	0.783545139	0.067100917	0.301628241
WV0096083	005	2004 to 2005	12.11207936	11.98230706	4.28248521	220.6128742	0.783545139	0.067100917	0.301628241
WV0096083	006	2003 to 2004	4.325742588	3.049648536	1.946584151	413.1084169	0.279837547	0.017078031	0.137103744
WV0096083	006	2004 to 2005	4.325742588	3.049648536	1.946584151	413.1084169	0.279837547	0.017078031	0.137103744
WV0096148	001	2003 to 2004	12.98804256	5.358513805	0.789448046	267.6553303	0.840212264	0.030007676	0.055603187
WV0096148	001	2004 to 2005	10.38964746	4.313945218	1.014583287	185.6136873	0.672118926	0.024158092	0.071460135
WV0096148	002	2003 to 2004	15.15632067	7.748486482	2.838768636	261.1667106	0.980480811	0.043391523	0.199942965
WV0096148	002	2004 to 2005	10.06325035	3.201049521	0.81009361	202.9166518	0.651003899	0.017925877	0.057057316
WV0096148	003	2003 to 2004	3.31640266	1.153531363	0.493855619	152.4824275	0.21454212	0.006459775	0.034783728
WV0096148	003	2004 to 2005	3.871539706	1.694249219	0.670490108	109.5854809	0.25045461	0.009487795	0.047224624
WV0096148	004	2003 to 2004	22.91922639	5.965920058	2.418811087	637.6865612	1.482672619	0.033409151	0.170364099
WV0096148	004	2004 to 2005	17.85450253	8.525317686	3.662462069	529.1825086	1.155029475	0.047741777	0.257958157
WV0096148	005	2003 to 2004	54.93693146	197.15293	125.064429	3162.838828	3.553936886	1.104056369	8.808661779
WV0096148	005	2004 to 2005	82.50272701	179.1794701	104.4558704	3232.771676	5.337201713	1.003404997	7.357139356
WV0096148	007	2003 to 2004	4.93999816	2.733869371	0.363362386	244.8370366	0.319574487	0.015309668	0.0255927
WV0096148	007	2004 to 2005	7.40062466	8.128791379	1.441914215	479.7969536	0.478755407	0.04552123	0.101558331
WV0096156	001	2003 to 2004	80.09702362	8.148126251	35.81321708	982.3368276	5.181573836	0.045629505	2.522431989
WV0096156	001	2004 to 2005	37.43119202	15.69703884	77.91068168	340.9225941	2.421469319	0.087903414	5.487482325
WV0096156	002	2003 to 2004	64.72490711	67.67820956	280.3631787	3813.731983	4.18713293	0.37899796	19.74681718
WV0096156	002	2004 to 2005	28.5589137	18.30780494	142.0308054	515.2590406	1.847510848	0.102523704	10.00365441
WV0096172	001	2003 to 2004	1640.177447	1867.369065	344.7076208	33191.06385	106.1050731	10.45726639	24.27878868
WV0096172	001	2004 to 2005	1640.177447	1867.369065	344.7076208	33191.06385	106.1050731	10.45726639	24.27878868
WV0096199	001	2003 to 2004	822.0287414	218.292706	522.1761294	3092.561899	53.17803867	1.22243911	36.77842652
WV0096199	001	2004 to 2005	538.8703788	182.6049156	603.9367568	3803.048754	34.86017994	1.022587491	42.53707203
WV0096199	002	2003 to 2004	1.714075478	2.800918291	0.177760986	291.497595	0.110885627	0.015685142	0.012520238
WV0096199	002	2004 to 2005	7.968018102	9.56854293	0.510978359	847.3048604	0.515460778	0.053583838	0.035989734
WV0096229	001	2003 to 2004	220.612877	65.02132023	12.38243849	1965.509268	14.27171523	0.36411938	0.872132176
WV0096229	001	2004 to 2005	95.16633756	15.89710408	6.861108447	436.1790457	6.156426076	0.08902378	0.483248388
WV0096229	002	2003 to 2004	8.651485176	2.595445553	0.432574259	118.9579212	0.559675094	0.014534495	0.030467499
WV0096229	002	2004 to 2005	8.651485176	2.595445553	0.432574259	118.9579212	0.559675094	0.014534495	0.030467499



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0096563	004	2004 to 2005	0.291987634	0.583975268	0.070293319	2.703589205	0.018889035	0.003270261	0.004950969
WV0096598	001	2003 to 2004	38.24000168	16.22513948	59.38163161	789.2000122	2.473792315	0.090860778	4.182425912
WV0096598	001	2004 to 2005	38.24000168	5.150723557	19.04871691	789.2000122	2.473792315	0.028844051	1.341658102
WV0096598	012	2003 to 2004	38.24000168	59.44871847	408.4921066	789.2000122	2.473792315	0.332912812	28.77132078
WV0096598	012	2004 to 2005	38.24000168	21.32541947	179.6401258	789.2000122	2.473792315	0.119422345	12.65259133
WV0096598	014	2003 to 2004	40.63945139	304.8206691	184.3397222	5953.416043	2.629015518	1.706995686	12.98359796
WV0096598	014	2004 to 2005	10.23824642	20.99754797	60.06883636	656.136509	0.662324608	0.117586264	4.230827798
WV0096598	018	2003 to 2004	38.24000168	4.152713019	202.9638488	789.2000122	2.473792315	0.023255192	14.29535089
WV0096598	018	2004 to 2005	38.24000168	4.152713019	202.9638488	789.2000122	2.473792315	0.023255192	14.29535089
WV0096598	020	2003 to 2004	38.24000168	7.735869732	30.82542326	789.2000122	2.473792315	0.043320869	2.171126752
WV0096598	020	2004 to 2005	38.24000168	3.285762004	21.17946673	789.2000122	2.473792315	0.018400267	1.491733185
WV0096601	001	2003 to 2004	22.78702881	28.05607816	14.244277	1472.460647	1.474120597	0.157114032	1.003267031
WV0096601	001	2004 to 2005	5.154073141	4.948944474	3.903638596	112.5209214	0.333423258	0.027714088	0.274944941
WV0096601	005	2003 to 2004	0.89105791	1.385814728	0.220117212	69.82582138	0.05764362	0.007760562	0.015503514
WV0096601	005	2004 to 2005	2.063739713	1.41668071	0.338399238	84.63135345	0.133505831	0.007933412	0.02383447
WV0096601	006	2003 to 2004	13.78334801	76.94144372	16.78027657	716.3384766	0.89166154	0.430872069	1.181885065
WV0096601	006	2004 to 2005	12.11703614	48.12749234	15.52986698	912.8218278	0.783865799	0.269513947	1.093814978
WV0096601	008	2003 to 2004	0.789177678	3.982296726	1.223509278	30.96003843	0.051052863	0.022300861	0.086175418
WV0096601	008	2004 to 2005	0.467081901	1.431525903	0.584270204	28.29920552	0.030216096	0.008016545	0.041151898
WV0096601	010	2003 to 2004	4.134174017	4.221461373	3.021067748	83.28985774	0.267444743	0.023640183	0.212782837
WV0096601	010	2004 to 2005	2.621400131	1.862232267	0.921383219	59.91153738	0.169581561	0.0104285	0.064895776
WV0096601	011	2003 to 2004	8.421679811	17.92749967	1.187551544	493.7429545	0.544808706	0.100393995	0.083642807
WV0096601	011	2004 to 2005	2.383364015	5.594026263	0.35116619	39.77279974	0.154182716	0.031326546	0.024733685
WV0096610	001	2003 to 2004	20.09307502	46.72883567	31.81043062	2008.226047	1.299845452	0.26168147	2.240503767
WV0096610	001	2004 to 2005	42.54367927	53.6662452	38.01066134	1813.747848	2.752202335	0.300530962	2.67720456
WV0096610	003	2003 to 2004	10.81435649	20.76356442	2.198919144	1847.452557	0.699593869	0.116275957	0.154876452
WV0096610	003	2004 to 2005	16.0052479	53.54908958	19.12338704	1335.57307	1.035398945	0.299874891	1.346917343
WV0096610	004	2003 to 2004	7.525891126	28.73194325	12.10396869	528.6417968	0.486859047	0.160898876	0.852518716
WV0096610	004	2004 to 2005	19.80572188	50.31765698	13.73423309	2077.90142	1.281256227	0.281778869	0.967343113
WV0096610	005	2003 to 2004	12.80744281	28.74023453	19.91680075	776.2545319	0.828529046	0.160945308	1.402799844
WV0096610	005	2004 to 2005	28.37867413	38.73702516	17.80043088	2265.968188	1.835850931	0.216927333	1.253737584

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0096725	001	2003 to 2004	5.894545259	3.616320885	2.234967041	112.4693086	0.381325299	0.020251396	0.157415413
WV0096725	001	2004 to 2005	5.363920809	1.167950499	1.038178221	43.25742588	0.346998558	0.006540523	0.073121997
WV0096725	002	2003 to 2004	8.178897907	86.73114014	109.982007	322.2678243	0.529102849	0.485694367	7.746361689
WV0096725	002	2004 to 2005	3.539244027	272.5139245	119.3236462	432.5742685	0.228957999	1.526077923	8.404321274
WV0096725	011	2003 to 2004	1.924955452	13.84237628	2.054727729	86.51485176	0.124527708	0.077517304	0.144720619
WV0096725	011	2004 to 2005	1.924955452	13.84237628	2.054727729	86.51485176	0.124527708	0.077517304	0.144720619
WV0096725	012	2003 to 2004	21.02310988	46.06916055	29.4583083	519.089133	1.360010537	0.25798729	2.074836757
WV0096725	012	2004 to 2005	21.02310988	46.06916055	29.4583083	519.089133	1.360010537	0.25798729	2.074836757
WV0096725	013	2003 to 2004	7.281522522	10.27363859	8.196849536	75.26792109	0.471050544	0.057532374	0.577328628
WV0096725	013	2004 to 2005	2.936097782	4.985418333	2.173685651	27.03589118	0.189939735	0.027918342	0.153099181
WV0096733	004	2003 to 2004	46.25516613	53.60135823	7.564101809	1297.533537	2.992302932	0.300167595	0.532762313
WV0096733	004	2004 to 2005	61.75358213	78.55909248	88.39835632	2864.948406	3.994914305	0.439930902	6.226160617
WV0096814	001	2003 to 2004	11.70473879	7.990908443	11.29379319	47.81973366	0.757193783	0.044749086	0.795455632
WV0096814	001	2004 to 2005	19.79252545	15.12748239	14.58315976	66.12528439	1.280402534	0.084713898	1.027135557
WV0096814	300	2003 to 2004	4.269643212	50.27211448	2.679256814	42.51393966	0.27620841	0.281523831	0.188708071
WV0096814	300	2004 to 2005	2.994792777	26.55203065	2.995973325	40.99362085	0.193736786	0.148691366	0.211015362
WV0096822	001	2003 to 2004	3.816091379	1.003179011	2.308766751	39.0693202	0.246867591	0.005617802	0.162613347
WV0096822	001	2004 to 2005	1.410860637	0.606233169	1.710477286	48.00197969	0.09127029	0.003394906	0.120474031
WV0096822	300	2003 to 2004	0.654760141	0.426675529	0.571194658	60.84304607	0.04235723	0.002389383	0.040230948
WV0096822	300	2004 to 2005	0.310273724	0.114356907	0.394900978	5.137802517	0.020071984	0.000640399	0.027814057
WV0096831	300	2003 to 2004	43.85702304	6.265718212	38.71409577	466.1462904	2.83716414	0.035088021	2.726749551
WV0096831	300	2004 to 2005	51.15821511	4.945765712	31.43012507	184.0693627	3.309487132	0.027696287	2.21371771
WV0096831	301	2003 to 2004	57.33601603	6.006724223	86.40570697	293.7199472	3.709136584	0.033637654	6.085812363
WV0096831	301	2004 to 2005	21.85491361	5.870393366	27.78974235	152.2120697	1.413820931	0.032874202	1.957314667
WV0096865	001	2003 to 2004	13.51794585	80.24252788	123.6080986	683.3321579	0.874492352	0.44935814	8.70608807
WV0096865	001	2004 to 2005	6.650829194	22.3857177	34.17336608	59.47896024	0.430250226	0.125360015	2.406932379
WV0096911	010	2003 to 2004	3.774210541	3.94724018	1.449123813	64.88614022	0.244158268	0.022104544	0.102066124
WV0096911	010	2004 to 2005	2.638703063	23.80239941	27.71719677	108.1435689	0.170700909	0.133293432	1.952205065
WV0096920	001	2003 to 2004	5218.730918	2691.062494	2364.23102	90946.5759	337.6060478	15.06994943	166.5198617
WV0096920	001	2004 to 2005	6859.70139	7458.203918	11008.27973	433291.2539	443.7624227	41.76594045	775.3460651
WV0096962	001	2003 to 2004	16276.67742	8415.404341	19685.39136	550195.9001	1052.958051	47.12626263	1386.500989

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0096962	001	2004 to 2005	52320.42018	6978.136764	61832.68548	787180.4916	3384.67159	39.07756449	4355.060967
WV0096962	003	2003 to 2004	186.2664838	276.6528788	86.16879598	22943.73966	12.04980529	1.549256066	6.069126014
WV0096962	003	2004 to 2005	186.2664838	276.6528788	86.16879598	22943.73966	12.04980529	1.549256066	6.069126014
WV0096962	044	2003 to 2004	8674.171934	5228.383648	2399.469824	186217.7184	561.142728	29.27894738	169.001836
WV0096962	044	2004 to 2005	23886.67167	6289.831675	10674.13418	475086.9432	1545.25783	35.22305612	751.811194
WV0096962	056	2003 to 2004	5059.590502	2204.881523	15184.75904	97412.1201	327.3110608	12.34733609	1069.507994
WV0096962	056	2004 to 2005	11856.40054	2831.489548	6982.507701	219516.1033	767.0049656	15.8563409	491.7989006
WV0096971	006	2003 to 2004	38.24000168	40.53761523	19.95000076	789.2000122	2.473792315	0.227010637	1.405138254
WV0096971	006	2004 to 2005	38.24000168	26.47354449	19.95000076	789.2000122	2.473792315	0.148251844	1.405138254
WV0096971	007	2003 to 2004	38.24000168	23.74075756	28.61478845	64.88614162	2.473792315	0.132948238	2.015425132
WV0096971	007	2004 to 2005	38.24000168	23.74075756	28.61478845	64.88614162	2.473792315	0.132948238	2.015425132
WV0096971	010	2003 to 2004	1.179197441	15.13897453	77.25906117	25.37048058	0.076283716	0.084778254	5.441586744
WV0096971	010	2004 to 2005	3.179420801	26.40541414	96.60248441	61.6418316	0.205680597	0.147870314	6.804001895
WV0096971	032	2003 to 2004	22.60633035	114.9284916	224.9667338	567.5374213	1.462430994	0.64359953	15.84507989
WV0096971	032	2004 to 2005	5.839752603	75.94273829	107.8396833	165.4596571	0.377780696	0.425279319	7.595471424
WV0097012	011	2003 to 2004	12.27429474	28.83828463	14.16680738	2125.021129	0.794039049	0.161494388	0.997810614
WV0097012	011	2004 to 2005	12.27429474	28.83828463	14.16680738	2125.021129	0.794039049	0.161494388	0.997810614
WV0097039	001	2003 to 2004	12.58092787	24.94223166	15.48659096	250.8930691	0.813875519	0.139676492	1.090766918
WV0097039	001	2004 to 2005	8.381126333	11.7963001	15.71326007	123.2836643	0.542185252	0.066059278	1.106731902
WV0097055	001	2003 to 2004	12.43921387	12.24545661	3.333525466	358.8564026	0.804707868	0.068574555	0.234790168
WV0097055	001	2004 to 2005	90.15208268	40.78454431	18.12486195	1015.693404	5.832047831	0.22839344	1.276588235
WV0097098	002	2003 to 2004	6.877930849	17.34568746	38.43963134	802.8848934	0.444941708	0.097135846	2.7074182
WV0097098	002	2004 to 2005	8.339671353	15.80337979	30.46944986	535.9414931	0.539503479	0.088498924	2.146054482
WV0097110	004	2003 to 2004	69.98691072	43.69901299	24.02589568	639.3988441	4.527538341	0.244714464	1.692215689
WV0097110	004	2004 to 2005	28.70851261	26.4147877	14.32001082	373.9784837	1.857188583	0.147922806	1.008601191
WV0097144	001	2003 to 2004	46.64592572	200.7324876	35.19171949	1469.400728	3.017581645	1.12410189	2.478658055
WV0097144	001	2004 to 2005	12.83880441	33.56992596	21.5832931	883.5329421	0.830557866	0.187991579	1.520175884
WV0097144	009	2003 to 2004	22.82730461	32.87564443	9.011963968	660.5769582	1.476726088	0.184103602	0.634739575
WV0097144	009	2004 to 2005	24.64862222	38.10303353	19.5455977	1058.455133	1.594549338	0.21337698	1.376654903
WV0097144	012	2003 to 2004	6.593152648	6.676062762	0.419356715	159.451677	0.42651906	0.03738595	0.029536548
WV0097144	012	2004 to 2005	6.081933974	7.677832661	1.916039638	74.26098395	0.393447703	0.042995861	0.134952402

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0097144	013	2003 to 2004	11.60740947	4.803376767	3.190235203	254.1373824	0.750897431	0.026898909	0.224697807
WV0097144	013	2004 to 2005	11.60740947	4.803376767	3.190235203	254.1373824	0.750897431	0.026898909	0.224697807
WV0097217	005	2003 to 2004	0	7.654161214	0	191.4141125	0	0.042863301	0
WV0097217	005	2004 to 2005	23.3590097	25.08714379	5.333022544	216.0708466	1.511122736	0.140488	0.375620728
WV0097217	009	2003 to 2004	8.218910917	3.6768812	1.514009906	302.8019812	0.531691339	0.020590534	0.106636246
WV0097217	009	2004 to 2005	11.24693073	3.46059407	0.432574259	129.7722776	0.727577622	0.019379326	0.030467499
WV0097250	004	2003 to 2004	0.28117326	0.878666437	0	42.17598897	0.01818944	0.004920532	0
WV0097250	004	2004 to 2005	4.206784668	4.396035907	0.09732921	82.72982714	0.272142015	0.0246178	0.006855187
WV0097250	005	2003 to 2004	0.698877783	2.337703387	0.158159964	96.59698488	0.045211253	0.013091139	0.011139679
WV0097250	005	2004 to 2005	1.12829786	1.738858419	0.202769186	48.70966432	0.07299096	0.009737607	0.01428164
WV0097250	008	2003 to 2004	25.19654989	33.10274591	1.51491113	960.810535	1.629995445	0.18537537	0.106699722
WV0097250	008	2004 to 2005	16.66777141	19.07328107	11.49719342	372.7005838	1.078258396	0.10681037	0.809781719
WV0097341	002	2003 to 2004	54.69811459	19.51991377	28.77970649	758.0187986	3.538487532	0.109311513	2.027040802
WV0097341	002	2004 to 2005	13.52286132	16.31198203	13.03719833	204.145557	0.874810339	0.091347096	0.91824887
WV0097341	003	2003 to 2004	167.6225324	715.910429	128.6908474	1351.794546	10.84370541	4.00909826	9.064081269
WV0097341	003	2004 to 2005	4.931346444	1.167950474	2.206128672	90.84059239	0.319014797	0.006540522	0.15538424
WV0097390	001	2003 to 2004	16.39771918	14.67418101	17.25926293	732.8754497	1.060788389	0.082175411	1.215621507
WV0097390	001	2004 to 2005	2.547682182	6.079020229	13.1520601	30.32525844	0.164812658	0.034042512	0.926338928
WV0097411	002	2003 to 2004	41.79118002	125.6042465	39.73104517	1347.108368	2.703522243	0.703383755	2.798376338
WV0097411	002	2004 to 2005	98.71074499	177.5744419	50.35254631	2832.370173	6.385718101	0.994416839	3.54648043
WV0097471	001	2003 to 2004	8.098150634	19.69023958	12.16615114	375.3482899	0.52387921	0.110265338	0.856898411
WV0097471	001	2004 to 2005	8.002623788	40.22940607	31.79420802	575.3237642	0.517699462	0.225284666	2.239361161
WV0097527	004	2003 to 2004	432.5742655	254.9484578	87.86664774	1378.83047	27.98375514	1.427711313	6.188710791
WV0097527	004	2004 to 2005	432.5742655	254.9484578	87.86664774	1378.83047	27.98375514	1.427711313	6.188710791
WV0097551	001	2003 to 2004	468.6329361	176.2055212	91.0172289	8776.931777	30.31643438	0.986750884	6.410615645
WV0097551	001	2004 to 2005	259.5781992	170.5688346	40.493757	8686.090978	16.79242929	0.955185439	2.852096414
WV0097551	004	2003 to 2004	3044.634308	1082.412551	342.5411398	35692.78394	196.9610949	6.061510068	24.12619695
WV0097551	004	2004 to 2005	954.0028737	366.0659658	98.79996035	16781.71838	61.71560573	2.049969335	6.958776698
WV0097551	005	2003 to 2004	1210.962815	447.7143645	239.3361315	17246.01506	78.33865673	2.507200352	16.85715954
WV0097551	005	2004 to 2005	1176.809607	167.9599319	71.45261491	12944.35199	76.12924422	0.940575585	5.032621368
WV0097551	015	2003 to 2004	3816.620818	1095.213166	620.5926802	52670.9641	246.9018408	6.133193511	43.71019853

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0097551	015	2004 to 2005	2858.926596	719.6341546	184.5578091	40256.44284	184.9474373	4.029951122	12.99895847
WV0097551	088	2003 to 2004	130.4463764	81.60874139	26.3509829	1381.353845	8.438734679	0.457008935	1.855978536
WV0097551	088	2004 to 2005	39.9374182	24.88383428	6.391284686	601.6387042	2.583600138	0.139349467	0.450157295
WV0097551	089	2003 to 2004	1860.087308	963.699728	311.9905751	25110.21452	120.3313094	5.396718284	21.9744293
WV0097551	089	2004 to 2005	98.98380405	36.84090736	16.04490018	1973.620041	6.403382624	0.206309074	1.130090307
WV0097551	091	2003 to 2004	3244.699926	1417.52062	485.1464589	39714.64351	209.903583	7.938115189	34.17031607
WV0097551	091	2004 to 2005	1046.681942	366.8410076	74.5325472	18810.13167	67.71112733	2.054309569	5.249550211
WV0097551	092	2003 to 2004	164.057395	118.7272163	30.97592227	3349.927208	10.61307234	0.664872388	2.181726848
WV0097551	092	2004 to 2005	179.9385338	63.41538672	41.73723687	1826.699313	11.64044251	0.355126153	2.93967842
WV0097900	001	2003 to 2004	65.94504675	59.64568402	288.6847491	1641.360283	4.266065247	0.334015819	20.33293027
WV0097900	001	2004 to 2005	941.9304542	1223.103724	1616.746302	6326.398573	60.93462624	6.849380611	113.8722774
WV0097969	001	2003 to 2004	679.1005188	33.23360009	161.7871047	215.6382761	43.93183818	0.186108154	11.39514966
WV0097969	001	2004 to 2005	17.73554435	2.606259869	6.650829163	43.25742553	1.147333926	0.014595055	0.468437789
WV0098060	001	2003 to 2004	18.35737028	11.54432562	26.52220909	394.7240161	1.187560601	0.064648221	1.868038508
WV0098060	001	2004 to 2005	18.35737028	11.54432562	26.52220909	394.7240161	1.187560601	0.064648221	1.868038508
WV0098060	004	2003 to 2004	27.76766309	19.932061	52.09155495	339.0901638	1.796323884	0.111619538	3.66896401
WV0098060	004	2004 to 2005	27.76766309	19.932061	52.09155495	339.0901638	1.796323884	0.111619538	3.66896401
WV0098167	003	2003 to 2004	2825.752034	978.6436364	2865.272727	5570.376737	182.8013345	5.480404168	201.8097276
WV0098167	003	2004 to 2005	1391.579597	273.96	1603.309091	4832.247789	90.02297594	1.534175945	112.9258544
WV0098167	005	2003 to 2004	233.0565897	97.96364824	100.2851301	3516.828685	15.07671413	0.548596411	7.063381645
WV0098167	005	2004 to 2005	233.0565897	97.96364824	100.2851301	3516.828685	15.07671413	0.548596411	7.063381645
WV0098167	WTS-012	2003 to 2004	291.0796025	150.3265328	181.7635429	789.2000122	18.83029337	0.841828554	12.80214994
WV0098167	WTS-012	2004 to 2005	296.8435807	32.51635997	174.908436	789.2000122	19.20317212	0.182091609	12.31932426
WV0098167	WTS-013	2003 to 2004	56.89962968	335.4673978	83.34354232	789.2000122	3.68090622	1.87861736	5.870134949
WV0098167	WTS-013	2004 to 2005	68.52111547	441.4636683	96.88419945	789.2000122	4.432714265	2.472196454	6.823843927
WV0098264	002	2003 to 2004	13.54203218	24.26938215	42.03466643	972.3089525	0.876050526	0.135908535	2.960627274
WV0098264	002	2004 to 2005	24.03220378	32.8167062	56.76780149	716.4511178	1.55467248	0.183773548	3.998326039
WV0098264	007	2003 to 2004	9.182362185	30.38371387	250.9780746	713.2068188	0.594018173	0.170148792	17.67713641
WV0098264	007	2004 to 2005	21.74352605	26.45790974	189.6064945	518.728647	1.406615135	0.148164289	13.35455248
WV0098264	008	2003 to 2004	22.26233615	166.4472017	279.6838611	1502.212424	1.440177591	0.932104296	19.69897081
WV0098264	008	2004 to 2005	30.74116071	125.6357895	259.7685088	1279.698889	1.98868306	0.703560396	18.29627298



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0098264	010	2003 to 2004	31.57792008	40.22940503	118.741631	540.7178095	2.042814041	0.22528466	8.363328201
WV0098264	010	2004 to 2005	31.57792008	40.22940503	118.741631	540.7178095	2.042814041	0.22528466	8.363328201
WV0098264	011	2003 to 2004	14.23218505	40.98464268	106.316336	1273.63628	0.920697354	0.229513991	7.488177515
WV0098264	011	2004 to 2005	41.52848066	36.8949801	112.0574611	1347.288599	2.686527902	0.206611881	7.892542124
WV0098264	015	2003 to 2004	45.94135271	439.5185537	1136.228066	2801.90148	2.97200196	2.461303813	80.02794093
WV0098264	015	2004 to 2005	81.79258371	341.9431895	985.410916	2485.37342	5.29126168	1.914881793	69.40543797
WV0098264	016	2003 to 2004	428.013564	64.9131771	1047.922665	2637.228356	27.68871781	0.363513779	73.8083274
WV0098264	016	2004 to 2005	213.3501352	26.15001554	881.1285439	1185.97445	13.80187963	0.146440082	62.06051862
WV0098264	019	2003 to 2004	46.72072345	63.49108791	252.6936641	2068.245686	3.022420401	0.35555008	17.79797052
WV0098264	019	2004 to 2005	46.72072345	63.49108791	252.6936641	2068.245686	3.022420401	0.35555008	17.79797052
WV0098264	021	2003 to 2004	32.61020175	356.2622718	4976.881559	3148.45251	2.109593597	1.995068651	350.536653
WV0098264	021	2004 to 2005	82.63970851	165.6444046	3908.750058	2266.508884	5.346063213	0.927608633	275.3049568
WV0098264	023	2003 to 2004	12.04360491	21.60113667	216.2327635	948.6648534	0.779115444	0.120966361	15.22992024
WV0098264	023	2004 to 2005	43.48993605	36.06173455	260.434285	2086.509992	2.813416836	0.201945706	18.3431656
WV0098264	027	2003 to 2004	5.361217108	10.55751529	33.97330015	757.0049403	0.346823653	0.059122084	2.392841136
WV0098264	027	2004 to 2005	19.01812732	22.27757434	140.4525361	218.4500008	1.230305778	0.124754412	9.892492184
WV0098264	028	2003 to 2004	32.56763249	74.11914411	111.4112725	1921.317942	2.10683974	0.415067192	7.847029128
WV0098264	028	2004 to 2005	62.33350115	25.38805402	407.4818002	781.0159925	4.032429972	0.142173097	28.70016188
WV0098264	036	2003 to 2004	1.414517872	0.004325743	2.132591165	12.97722818	0.091506881	2.42242E-05	0.150204774
WV0098264	036	2004 to 2005	1.414517872	0.004325743	2.132591165	12.97722818	0.091506881	2.42242E-05	0.150204774
WV0098264	046	2003 to 2004	1.392889158	0.004325743	1.972538684	12.97722818	0.090107693	2.42242E-05	0.138931799
WV0098264	046	2004 to 2005	1.392889158	0.004325743	1.972538684	12.97722818	0.090107693	2.42242E-05	0.138931799
WV0098264	047	2003 to 2004	1.340980246	0.004325743	1.821137688	30.2801991	0.086749642	2.42242E-05	0.128268174
WV0098264	047	2004 to 2005	1.340980246	0.004325743	1.821137688	30.2801991	0.086749642	2.42242E-05	0.128268174
WV0098264	048	2003 to 2004	0.821891118	0.002162871	0.977617857	10.81435682	0.053169136	1.21121E-05	0.068856549
WV0098264	048	2004 to 2005	0.821891118	0.002162871	0.977617857	10.81435682	0.053169136	1.21121E-05	0.068856549
WV0098264	049	2003 to 2004	27.16566345	0.086514852	38.84516844	346.059407	1.757379796	0.000484483	2.735981391
WV0098264	049	2004 to 2005	27.16566345	0.086514852	38.84516844	346.059407	1.757379796	0.000484483	2.735981391
WV0098264	050	2003 to 2004	1.384237673	0.004325743	1.942258485	30.2801991	0.089548018	2.42242E-05	0.136799074
WV0098264	050	2004 to 2005	1.384237673	0.004325743	1.942258485	30.2801991	0.089548018	2.42242E-05	0.136799074
WV0098264	051	2003 to 2004	1.397214901	0.004325743	2.011470369	25.95445637	0.090387531	2.42242E-05	0.141673874

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0098264	051	2004 to 2005	1.397214901	0.004325743	2.011470369	25.95445637	0.090387531	2.42242E-05	0.141673874
WV0098264	052	2003 to 2004	2.829035744	0.008651485	3.590366464	60.56039819	0.183013762	4.84483E-05	0.252880248
WV0098264	052	2004 to 2005	2.829035744	0.008651485	3.590366464	60.56039819	0.183013762	4.84483E-05	0.252880248
WV0098264	053	2003 to 2004	0.216287129	1.027363865	0.194658416	43.25742588	0.013991877	0.005753237	0.013710374
WV0098264	053	2004 to 2005	0.216287129	1.027363865	0.194658416	43.25742588	0.013991877	0.005753237	0.013710374
WV0098264	058	2003 to 2004	1.202556478	1.985515912	0.173029709	30.2801991	0.077794841	0.011118889	0.012187
WV0098264	058	2004 to 2005	1.202556478	1.985515912	0.173029709	30.2801991	0.077794841	0.011118889	0.012187
WV0098264	061	2003 to 2004	55.28250148	89.38901534	245.4854081	2762.084977	3.576292231	0.500578468	17.29027149
WV0098264	061	2004 to 2005	117.337571	75.16788884	583.9328975	3922.006684	7.590710119	0.420940162	41.12814039
WV0098264	062	2003 to 2004	68.23121825	85.843872	274.8923463	4301.16456	4.413960461	0.480725666	19.3614901
WV0098264	062	2004 to 2005	121.1568389	81.40281405	538.6292984	3525.930771	7.837783202	0.455855742	37.93727241
WV0098264	073	2003 to 2004	5.59751109	6.536197262	0.129772282	34.60594182	0.362109798	0.036602703	0.00914025
WV0098264	073	2004 to 2005	5.59751109	6.536197262	0.129772282	34.60594182	0.362109798	0.036602703	0.00914025
WV0098264	078	2003 to 2004	18.57768863	27.24391113	21.31821406	990.3984632	1.201813264	0.152565897	1.501505575
WV0098264	078	2004 to 2005	33.94458198	29.52847992	93.43760155	1304.151304	2.195916277	0.165359482	6.581089729
WV0098264	083	2003 to 2004	8.361660693	9.784830051	0.077863369	147.0752528	0.540925996	0.054795046	0.00548415
WV0098264	083	2004 to 2005	8.361660693	9.784830051	0.077863369	147.0752528	0.540925996	0.054795046	0.00548415
WV0098264	085	2003 to 2004	57.79192098	65.36197051	0.648861388	259.5445553	3.738629629	0.366027022	0.045701248
WV0098264	085	2004 to 2005	65.31871139	50.93561766	6.596757276	3136.163295	4.225546851	0.285239449	0.464629344
WV0098264	GW301	2003 to 2004	3652.051595	516.2341427	6083.335321	5969.525029	236.2556577	2.890911096	428.4675007
WV0098264	GW301	2004 to 2005	3652.051595	516.2341427	6083.335321	5969.525029	236.2556577	2.890911096	428.4675007
WV0098264	SS-1	2003 to 2004	1.730400997	101.0554182	16.78488967	789.2000122	0.111941744	0.565910322	1.18220998
WV0098264	SS-1	2004 to 2005	1.730400997	101.0554182	16.78488967	789.2000122	0.111941744	0.565910322	1.18220998
WV0098264	SS-12	2003 to 2004	2254.938351	6375.47318	21462.47078	789.2000122	145.8747034	35.70264854	1511.666007
WV0098264	SS-12	2004 to 2005	2254.938351	6375.47318	21462.47078	789.2000122	145.8747034	35.70264854	1511.666007
WV0098264	SS-4	2003 to 2004	47.69432122	84.03285167	1022.021169	789.2000122	3.085403624	0.470583953	71.98400758
WV0098264	SS-4	2004 to 2005	47.69432122	84.03285167	1022.021169	789.2000122	3.085403624	0.470583953	71.98400758
WV0098264	SS7	2003 to 2004	23.25235149	249.3409463	427.0862185	789.2000122	1.504222887	1.39630925	30.0809597
WV0098264	SS7	2004 to 2005	23.25235149	249.3409463	427.0862185	789.2000122	1.504222887	1.39630925	30.0809597
WV0098311	006	2003 to 2004	3.6768812	30.06391099	0.216287129	43.25742588	0.237861915	0.168357896	0.015233749
WV0098311	006	2004 to 2005	3.6768812	30.06391099	0.216287129	43.25742588	0.237861915	0.168357896	0.015233749

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0098671	002	2003 to 2004	59.69525029	59.42128657	2.65672702	826.2168699	3.861758316	0.332759193	0.18712123
WV0098671	002	2004 to 2005	59.69525029	2.422415928	0.519089127	8.651485456	3.861758316	0.013565529	0.036561
WV0098671	003	2003 to 2004	61.64183029	15.80272381	11.58610815	130.6570857	3.987684942	0.08849525	0.816044249
WV0098671	003	2004 to 2005	61.64183029	13.35573061	9.219239087	124.3651024	3.987684942	0.074792089	0.649338582
WV0098710	002	2003 to 2004	44.29865747	109.7692831	55.24718284	5170.54474	2.865734008	0.614707964	3.89122432
WV0098710	002	2004 to 2005	57.10618855	42.4705748	16.41718867	1988.379713	3.694268765	0.23783521	1.156311699
WV0098710	007	2003 to 2004	22.83466975	74.64182311	76.5681508	2459.764215	1.477202547	0.417994194	5.39292386
WV0098710	007	2004 to 2005	32.75272073	47.85244641	73.82925164	1370.004145	2.118813323	0.26797369	5.200015001
WV0098710	008	2003 to 2004	51.65288324	132.3685748	39.51946296	3801.399624	3.341487814	0.741263993	2.783473971
WV0098710	008	2004 to 2005	144.0328106	143.7309103	37.14100679	9641.404437	9.317657624	0.804893069	2.615952189
WV0098710	009	2003 to 2004	79.46731826	185.3022123	30.18238342	7099.895635	5.140837431	1.037692352	2.125835534
WV0098710	009	2004 to 2005	118.4055788	175.9953627	35.67665271	5333.748823	7.659800847	0.985573996	2.512813352
WV0098710	010	2003 to 2004	4.396396393	10.45604092	0.674094899	217.9693647	0.284408228	0.058553827	0.04747852
WV0098710	010	2004 to 2005	21.03237918	17.26045503	2.193991972	896.4731045	1.360610179	0.096658545	0.154529416
WV0098744	001	2003 to 2004	339.3905626	1763.797584	218.6062129	1458.736572	21.95558811	9.877266117	15.39708938
WV0098744	001	2004 to 2005	191.030201	24.61167346	214.965978	631.1979435	12.35797595	0.137825366	15.14069675
WV0098744	002	2003 to 2004	111.106698	88.78346321	130.0654674	966.3228297	7.187627373	0.497187376	9.160899867
WV0098744	002	2004 to 2005	48.32837647	35.66181569	86.41162521	289.333197	3.126421429	0.199706161	6.086229203
WV0098744	003	2003 to 2004	0	0	12.97722743	216.2871238	0	0	0.91402494
WV0098744	003	2004 to 2005	0	0	12.97722743	216.2871238	0	0	0.91402494
WV0098761	001	2003 to 2004	219.0457261	531.275449	259.1000737	16302.49252	14.17033432	2.975142408	18.2491931
WV0098761	001	2004 to 2005	531.2512785	1340.690131	611.4811357	79082.19385	34.36729107	7.507864466	43.0684452
WV0098761	002	2003 to 2004	372.3406727	836.3282041	31.02027862	51173.52404	24.08717079	4.683437776	2.184850999
WV0098761	002	2004 to 2005	372.3406727	836.3282041	31.02027862	51173.52404	24.08717079	4.683437776	2.184850999
WV0098761	003	2003 to 2004	1167.723158	1754.325073	8713.024891	96260.40536	75.54143078	9.824220056	613.6844019
WV0098761	003	2004 to 2005	11.24693082	65.89547986	162.5758295	468.6221258	0.727577628	0.369014674	11.4507019
WV0098761	004	2003 to 2004	2.193151563	1.405866387	0.012977228	90.84059729	0.141877641	0.007872851	0.000914025
WV0098761	004	2004 to 2005	2.193151563	1.405866387	0.012977228	90.84059729	0.141877641	0.007872851	0.000914025
WV0098868	001	2003 to 2004	6.099296918	4.931346444	21.41242535	77.86336491	0.394570933	0.027615539	1.508141157
WV0098868	001	2004 to 2005	24.58398232	38.34181058	65.50550835	515.2549457	1.590367704	0.214714132	4.613748866
WV0098868	003	2003 to 2004	14.77421367	26.61503319	12.14452255	1125.27887	0.955761844	0.149044181	0.855375045

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0098868	003	2004 to 2005	47.7093372	40.36458658	32.5223756	2134.934247	3.086375027	0.226041677	2.290648181
WV0098868	005	2003 to 2004	91.26145518	151.9453162	77.07932753	6556.293905	5.903814487	0.85089374	5.428927566
WV0098868	005	2004 to 2005	130.7203403	146.7345985	208.2574733	4361.970727	8.456457741	0.821713722	14.6681967
WV0098868	008	2003 to 2004	29.0689918	53.29315164	24.22415984	3391.382377	1.88050842	0.298441639	1.706180027
WV0098868	008	2004 to 2005	29.0689918	53.29315164	24.22415984	3391.382377	1.88050842	0.298441639	1.706180027
WV0098868	011	2003 to 2004	93.22966616	197.3611056	634.6369096	3860.364807	6.031140448	1.105222152	44.69937561
WV0098868	011	2004 to 2005	195.3974034	223.9599237	538.6360781	4157.849844	12.64049558	1.254175528	37.93774993
WV0098868	016	2003 to 2004	81.47896758	101.9721728	362.50174	3779.347293	5.270973471	0.571044147	25.53208171
WV0098868	016	2004 to 2005	139.9476063	95.87811995	414.3196317	4595.954114	9.053380796	0.536917453	29.1817708
WV0098868	017	2003 to 2004	267.3768533	309.9646891	1439.032173	17265.93121	17.2969337	1.735802197	101.3553398
WV0098868	017	2004 to 2005	199.7123263	199.6492396	1004.832152	9620.36144	12.91963319	1.118035702	70.7733337
WV0098868	024	2003 to 2004	135.4831586	122.8592006	605.3336081	6483.296839	8.764570244	0.688011499	42.63545644
WV0098868	024	2004 to 2005	119.8212699	106.0870365	558.8805466	5416.460617	7.751383626	0.594087383	39.36362839
WV0098868	025	2003 to 2004	84.86025716	113.1605264	332.1305198	6346.900838	5.489713205	0.633698925	23.39294584
WV0098868	025	2004 to 2005	133.9610401	135.5579602	277.9037318	4150.099447	8.666102546	0.75912455	19.57359098
WV0098868	034	2003 to 2004	5.098969067	38.45585149	24.38096669	402.5644192	0.329858508	0.215352761	1.717224402
WV0098868	034	2004 to 2005	13.05292856	18.01401459	30.47665929	270.4490339	0.844409817	0.100878478	2.146562263
WV0098868	035	2003 to 2004	9.914602141	17.45004591	12.89936483	440.7931753	0.641387666	0.097720254	0.908540845
WV0098868	035	2004 to 2005	22.36100023	31.30910805	26.40247984	1089.54646	1.44656029	0.175330999	1.859605619
WV0098868	040	2003 to 2004	87.44056219	370.4219976	306.7708564	10883.3523	5.656636274	2.074363112	21.60678891
WV0098868	040	2004 to 2005	111.4625902	173.4662118	231.5255451	5177.668119	7.210650474	0.971410751	16.30703659
WV0098868	041	2003 to 2004	94.68870409	122.7907112	254.1833415	2700.795413	6.125527386	0.687627958	17.90289295
WV0098868	041	2004 to 2005	112.6116974	144.512247	349.846239	2686.556536	7.28498761	0.809268555	24.64071693
WV0098868	053	2003 to 2004	2.919876373	13.62608974	100.2490888	875.9629119	0.188890352	0.0763061	7.060843148
WV0098868	053	2004 to 2005	81.75653844	77.86336994	48.66460621	291.9876373	5.288929867	0.436034856	3.427593761
WV0098868	059	2003 to 2004	68.97789895	253.5986307	434.0076558	3086.663173	4.462264143	1.420152281	30.56845722
WV0098868	059	2004 to 2005	129.4532562	134.8820621	542.5238292	3381.649316	8.374488529	0.755339521	38.21157586
WV0099015	002	2003 to 2004	47.04245161	304.7485757	270.4129917	980.7428571	3.043233387	1.706591963	19.04599576
WV0099015	002	2004 to 2005	19.73620128	60.66854118	47.31281091	1274.798311	1.276758855	0.339743819	3.332382775
WV0099015	003	2003 to 2004	110.6772145	320.8259152	630.9404723	12837.5683	7.159843565	1.796625061	44.43902448
WV0099015	003	2004 to 2005	110.6772145	320.8259152	630.9404723	12837.5683	7.159843565	1.796625061	44.43902448

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0099015	008	2003 to 2004	11.89579181	22.710148	8.651484952	576.405185	0.769553235	0.127176824	0.60934996
WV0099015	008	2004 to 2005	11.89579181	22.710148	8.651484952	576.405185	0.769553235	0.127176824	0.60934996
WV0099015	010	2003 to 2004	59.40686503	67.91415869	12.18417493	1431.280098	3.843102323	0.380319275	0.858167881
WV0099015	010	2004 to 2005	59.40686503	67.91415869	12.18417493	1431.280098	3.843102323	0.380319275	0.858167881
WV0099015	012	2003 to 2004	53.71130405	140.0459136	97.86992405	1183.811547	3.474649559	0.784257088	6.893271459
WV0099015	012	2004 to 2005	53.71130405	140.0459136	97.86992405	1183.811547	3.474649559	0.784257088	6.893271459
WV0099015	013	2003 to 2004	27.57812329	26.85702192	5.948328762	723.6991206	1.784062324	0.150399317	0.418958585
WV0099015	013	2004 to 2005	27.57812329	26.85702192	5.948328762	723.6991206	1.784062324	0.150399317	0.418958585
WV0099015	016	2003 to 2004	7.853571151	15.67086774	8.826739498	1765.816885	0.508057066	0.087756856	0.621693662
WV0099015	016	2004 to 2005	7.853571151	15.67086774	8.826739498	1765.816885	0.508057066	0.087756856	0.621693662
WV0099015	017	2003 to 2004	1256.447967	556.5788769	154.4650582	19469.08604	81.28114652	3.1168416	10.87943602
WV0099015	017	2004 to 2005	1256.447967	556.5788769	154.4650582	19469.08604	81.28114652	3.1168416	10.87943602
WV0099015	019	2003 to 2004	28.56792453	96.40998723	39.32820916	2410.339784	1.848093769	0.539895909	2.770003394
WV0099015	019	2004 to 2005	28.56792453	96.40998723	39.32820916	2410.339784	1.848093769	0.539895909	2.770003394
WV0099015	021	2003 to 2004	258.4631277	615.5171408	161.6746338	8570.557968	16.72029396	3.446895865	11.38722799
WV0099015	021	2004 to 2005	258.4631277	615.5171408	161.6746338	8570.557968	16.72029396	3.446895865	11.38722799
WV0099015	DDR024	2003 to 2004	261.7074297	356.8737677	71.37475354	0	16.9301718	1.998493028	5.027137359
WV0099015	DDR024	2004 to 2005	261.7074297	356.8737677	71.37475354	0	16.9301718	1.998493028	5.027137359
WV0099015	DRBMR18	2003 to 2004	663.2805297	1204.71931	161.4943906	15329.71072	42.90842385	6.746427894	11.37453292
WV0099015	DRBMR18	2004 to 2005	663.2805297	1204.71931	161.4943906	15329.71072	42.90842385	6.746427894	11.37453292
WV0099015	DRBMR21	2003 to 2004	836.1299918	1715.337176	184.2045384	15911.70338	54.0902657	9.605887844	12.97407656
WV0099015	DRBMR21	2004 to 2005	836.1299918	1715.337176	184.2045384	15911.70338	54.0902657	9.605887844	12.97407656
WV0099015	DRR19	2003 to 2004	316.5001713	1056.923125	279.0104019	6164.183282	20.47478087	5.918769288	19.65153707
WV0099015	DRR19	2004 to 2005	316.5001713	1056.923125	279.0104019	6164.183282	20.47478087	5.918769288	19.65153707
WV0099015	DS FED1	2003 to 2004	1274.291714	1541.045836	403.7359812	21214.1632	82.4354802	8.629856376	28.43633264
WV0099015	DS FED1	2004 to 2005	1274.291714	1541.045836	403.7359812	21214.1632	82.4354802	8.629856376	28.43633264
WV0099015	DS-1	2003 to 2004	887.1377454	1503.19561	620.3836075	21736.85736	57.39001929	8.417895115	43.69547291
WV0099015	DS-1	2004 to 2005	887.1377454	1503.19561	620.3836075	21736.85736	57.39001929	8.417895115	43.69547291
WV0099015	DSR16	2003 to 2004	104.8992633	137.5225739	13.33770701	2947.633249	6.786060872	0.770126386	0.939414595
WV0099015	DSR16	2004 to 2005	104.8992633	137.5225739	13.33770701	2947.633249	6.786060872	0.770126386	0.939414595
WV0099015	DSR17	2003 to 2004	1447.681854	575.3237726	216.2871274	23379.19698	93.65229913	3.221813012	15.23374925

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0099015	DSR17	2004 to 2005	1447.681854	575.3237726	216.2871274	23379.19698	93.65229913	3.221813012	15.23374925
WV0099015	DUTMR14	2003 to 2004	71.73523275	72.81666785	2.883828467	2847.78062	4.640639419	0.407773325	0.203116664
WV0099015	DUTMR14	2004 to 2005	71.73523275	72.81666785	2.883828467	2847.78062	4.640639419	0.407773325	0.203116664
WV0099015	UDR024	2003 to 2004	333.0821832	380.6653522	47.58316903	11895.79226	21.54749138	2.131725896	3.351424906
WV0099015	UDR024	2004 to 2005	333.0821832	380.6653522	47.58316903	11895.79226	21.54749138	2.131725896	3.351424906
WV0099015	URBMR18	2003 to 2004	459.9706244	1250.13961	141.3075911	12905.13199	29.7560589	7.000781564	9.952716265
WV0099015	URBMR18	2004 to 2005	459.9706244	1250.13961	141.3075911	12905.13199	29.7560589	7.000781564	9.952716265
WV0099015	URBMR21	2003 to 2004	493.4951556	1201.835532	179.8788037	16531.18646	31.92480158	6.73027874	12.66940212
WV0099015	URBMR21	2004 to 2005	493.4951556	1201.835532	179.8788037	16531.18646	31.92480158	6.73027874	12.66940212
WV0099015	URR19	2003 to 2004	387.8749308	1162.182856	263.8702976	5623.465517	25.09210083	6.508223762	18.58517424
WV0099015	URR19	2004 to 2005	387.8749308	1162.182856	263.8702976	5623.465517	25.09210083	6.508223762	18.58517424
WV0099015	US FED1	2003 to 2004	1504.997967	1389.644844	270.3589164	15493.36844	97.36014822	7.782010851	19.04218707
WV0099015	US FED1	2004 to 2005	1504.997967	1389.644844	270.3589164	15493.36844	97.36014822	7.782010851	19.04218707
WV0099015	US-1	2003 to 2004	330.5588339	257.381692	109.5854817	3657.055029	21.38425284	1.441337424	7.718433226
WV0099015	US-1	2004 to 2005	330.5588339	257.381692	109.5854817	3657.055029	21.38425284	1.441337424	7.718433226
WV0099015	USR16	2003 to 2004	37.67001023	100.933999	46.14125673	495.6580331	2.436918759	0.565230374	3.249866711
WV0099015	USR16	2004 to 2005	37.67001023	100.933999	46.14125673	495.6580331	2.436918759	0.565230374	3.249866711
WV0099015	USR17	2003 to 2004	224.2176671	315.7792206	69.2118832	6657.318054	14.50491347	1.768363572	4.874799932
WV0099015	USR17	2004 to 2005	224.2176671	315.7792206	69.2118832	6657.318054	14.50491347	1.768363572	4.874799932
WV0099147	001	2003 to 2004	3.562164202	52.17379805	39.81672608	1590.905162	0.230440733	0.292173259	2.804411102
WV0099147	001	2004 to 2005	26.53843104	18.10323291	11.16041611	490.971793	1.716803368	0.101378101	0.786061485
WV0099252	001	2003 to 2004	78.18779991	81.6664179	42.03540462	1238.003543	5.058063833	0.457331924	2.960679267
WV0099252	001	2004 to 2005	64.59415198	26.76120682	18.92079832	1054.156448	4.178674222	0.149862753	1.332648414
WV0099252	002	2003 to 2004	53.53106558	62.91792706	42.35848309	1132.533498	3.462989713	0.352340379	2.983434649
WV0099252	002	2004 to 2005	59.1977879	45.25483832	39.65083903	1612.447598	3.829576869	0.253427086	2.792727181
WV0099252	003	2003 to 2004	77.86336994	73.97020145	15.57267399	1070.621337	5.037076064	0.414233113	1.096830004
WV0099252	003	2004 to 2005	35.47108956	13.95051989	7.771196578	511.7353514	2.294667908	0.078122909	0.547348617
WV0099252	004	2003 to 2004	143.1820804	117.7304923	46.59365506	2525.152249	9.262622858	0.659290733	3.281730477
WV0099252	004	2004 to 2005	143.1820804	117.7304923	46.59365506	2525.152249	9.262622858	0.659290733	3.281730477
WV0099252	005	2003 to 2004	8.651485176	2.054727729	0.757004953	194.6584165	0.559675094	0.011506475	0.053318123
WV0099252	005	2004 to 2005	8.651485176	2.054727729	0.757004953	194.6584165	0.559675094	0.011506475	0.053318123

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0099252	006	2003 to 2004	155.7267382	154.5912308	109.982009	1768.14734	10.07415202	0.865710862	7.746361824
WV0099252	006	2004 to 2005	155.7267382	154.5912308	109.982009	1768.14734	10.07415202	0.865710862	7.746361824
WV0099252	007	2003 to 2004	5.190890994	0.908405924	0.519089099	12.97722748	0.335805049	0.005087073	0.036560998
WV0099252	007	2004 to 2005	5.190890994	0.908405924	0.519089099	12.97722748	0.335805049	0.005087073	0.036560998
WV0099252	009	2003 to 2004	113.7778469	141.9092337	95.17823453	1720.780451	7.360427239	0.79469168	6.703687716
WV0099252	009	2004 to 2005	68.27463758	71.87852186	65.04835455	1206.161226	4.41676931	0.402519708	4.581550157
WV0099392	004	2003 to 2004	3320.766485	1846.372488	1328.258626	83418.40881	214.8244211	10.33968557	93.55322758
WV0099392	004	2004 to 2005	2179.017169	7879.293244	1226.106517	90570.95689	140.9632698	44.12404059	86.358349
WV0099392	007	2003 to 2004	133.3626476	261.5422671	67.90935462	17549.14466	8.627391809	1.464636643	4.783058949
WV0099392	007	2004 to 2005	133.3626476	66.57318095	67.90935462	6832.510657	8.627391809	0.3728098	4.783058949
WV0099392	009	2003 to 2004	88.75462738	169.5612482	27.81452583	3816.484776	5.741644749	0.949542956	1.959060241
WV0099392	009	2004 to 2005	88.75462738	53.18140106	27.81452583	3221.236349	5.741644749	0.297815835	1.959060241
WV0099392	010	2003 to 2004	84.11166405	144.8887837	18.16811935	7211.406195	5.441285806	0.81137716	1.279634983
WV0099392	010	2004 to 2005	84.11166405	90.71443062	18.16811935	3692.38193	5.441285806	0.508000793	1.279634983
WV0099392	011	2003 to 2004	33.13999502	43.46584878	18.26424658	929.6414303	2.143866568	0.243408744	1.286405511
WV0099392	011	2004 to 2005	33.13999502	33.15321249	18.26424658	937.6047139	2.143866568	0.185657983	1.286405511
WV0099392	012	2003 to 2004	48.86647327	41.13781281	84.76533135	749.926482	3.161231565	0.230371744	5.970275802
WV0099392	012	2004 to 2005	48.86647327	65.53860666	84.76533135	1317.909607	3.161231565	0.367016184	5.970275802
WV0099392	013	2003 to 2004	48.67421762	51.37409149	25.05085633	2539.604127	3.148794314	0.287694902	1.764406733
WV0099392	013	2004 to 2005	48.67421762	24.27102084	25.05085633	1454.530961	3.148794314	0.135917712	1.764406733
WV0099392	014	2003 to 2004	3311.548665	652.711304	485.580341	64015.4851	214.2281091	3.655183172	34.20087568
WV0099392	014	2004 to 2005	1013.215085	420.0692584	174.5112722	36617.77182	65.54611569	2.352387763	12.29135083
WV0099392	015	2003 to 2004	77.76724037	68.889419	20.5184393	8075.76842	5.030857325	0.385780733	1.445175046
WV0099392	015	2004 to 2005	77.76724037	64.90055935	20.5184393	6873.605108	5.030857325	0.363443119	1.445175046
WV0099392	017	2003 to 2004	24.34431809	22.94216551	3.431755804	1426.708536	1.574863534	0.128476122	0.241708825
WV0099392	017	2004 to 2005	24.34431809	12.45813887	3.431755804	728.5271603	1.574863534	0.069765575	0.241708825
WV0099392	018	2003 to 2004	23.05620776	19.80796907	3.963461622	699.1973163	1.491534111	0.110924623	0.279158456
WV0099392	018	2004 to 2005	23.05620776	22.33656152	3.963461622	885.2042248	1.491534111	0.12508474	0.279158456
WV0099392	019	2003 to 2004	20.39347328	10.22841491	8.012236501	436.9000005	1.31927858	0.057279121	0.56432578
WV0099392	019	2004 to 2005	20.39347328	12.79338372	8.012236501	764.214529	1.31927858	0.071642946	0.56432578
WV0099392	020	2003 to 2004	51.39462851	211.6428572	13.18870849	11653.94392	3.324781001	1.185199958	0.928920183

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0099392	020	2004 to 2005	51.39462851	81.14011745	13.18870849	3086.777828	3.324781001	0.454384642	0.928920183
WV0099392	021	2003 to 2004	32.22678317	20.44503269	5.477471805	885.5974947	2.084789783	0.114492179	0.385794721
WV0099392	021	2004 to 2005	32.22678317	13.60249446	5.477471805	925.7089297	2.084789783	0.076173966	0.385794721
WV0099392	025	2003 to 2004	41.64728831	53.15551189	4.969797599	3593.512363	2.694213714	0.297670856	0.350037709
WV0099392	025	2004 to 2005	41.64728831	24.11601503	4.969797599	3051.450912	2.694213714	0.135049679	0.350037709
WV0099392	026	2003 to 2004	3.374079328	10.07465455	0.562346555	212.393961	0.218273294	0.056418063	0.03960775
WV0099392	026	2004 to 2005	3.374079328	3.547108981	0.562346555	49.02508332	0.218273294	0.01986381	0.03960775
WV0099392	027	2003 to 2004	2760.586771	1219.124081	928.8431442	62526.25231	178.5857144	6.827094608	65.42120062
WV0099392	027	2004 to 2005	1376.757709	724.6592165	515.5564255	33408.43104	89.06413001	4.058091468	36.31218097
WV0099392	028	2003 to 2004	111.6316874	45.22760564	35.49861695	1620.97374	7.221589573	0.253274583	2.50027376
WV0099392	028	2004 to 2005	73.90891698	42.33099586	27.99836879	1694.970132	4.781257694	0.237053568	1.972008851
WV0099392	030	2003 to 2004	29.22471737	20.1233548	2.275340612	207.6356465	1.890582497	0.112690783	0.160259044
WV0099392	030	2004 to 2005	29.22471737	20.1233548	2.275340612	207.6356465	1.890582497	0.112690783	0.160259044
WV0099392	031	2003 to 2004	23.81753942	8.115093372	5.883010107	230.1295123	1.540785581	0.045444521	0.414357997
WV0099392	031	2004 to 2005	23.81753942	8.115093372	5.883010107	230.1295123	1.540785581	0.045444521	0.414357997
WV0099392	032	2003 to 2004	86.21205187	24.14944186	11.21940357	3178.634387	5.577162448	0.13523687	0.790216149
WV0099392	032	2004 to 2005	30.31264162	8.492874739	2.836966225	1523.021889	1.960961639	0.047560097	0.199816016
WV0099392	033	2003 to 2004	121.7814553	38.7035999	32.90317223	6253.844209	7.878190399	0.216740152	2.317468826
WV0099392	033	2004 to 2005	40.80977747	14.45158536	9.531053048	3009.995942	2.640034119	0.080928875	0.671300572
WV0099392	034	2003 to 2004	114.6062263	44.52919507	49.55570792	1633.833006	7.414016113	0.249363483	3.490356719
WV0099392	034	2004 to 2005	35.90005968	39.54449781	104.1206272	1186.334929	2.322418507	0.22144918	7.333527174
WV0099392	036	2003 to 2004	112.7917735	36.26152085	17.21645585	1631.984732	7.296636955	0.20306451	1.212606476
WV0099392	036	2004 to 2005	27.15268634	14.06731492	4.139735679	561.4813917	1.756540291	0.078776961	0.291573965
WV0099392	037	2003 to 2004	3411.961001	1316.134745	587.5577617	58670.04856	220.7239053	7.370354311	41.38345042
WV0099392	037	2004 to 2005	2495.690371	1801.989027	292.8960333	61082.00973	161.4492443	10.09113819	20.62954362
WV0099392	038	2003 to 2004	987.1148112	834.600919	1066.05522	24169.89026	63.85765723	4.67376498	75.08545749
WV0099392	038	2004 to 2005	1221.946594	828.9456545	1066.05522	51982.80905	79.04921074	4.6420955	75.08545749
WV0099392	040	2003 to 2004	2206.510253	1382.428735	1165.276446	65275.45813	142.7418308	7.741600642	82.07390517
WV0099392	040	2004 to 2005	1557.595426	1392.337639	717.9579435	69008.21377	100.7627418	7.7970905	50.56792522
WV0099392	041	2003 to 2004	114.7681335	44.24616819	81.632945	1818.665832	7.424490083	0.247778533	5.749652463
WV0099392	041	2004 to 2005	114.7681335	44.24616819	81.632945	1818.665832	7.424490083	0.247778533	5.749652463



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0099392	042	2003 to 2004	25.20334949	17.84565446	4.290350235	798.689382	1.63043532	0.099935661	0.302182199
WV0099392	042	2004 to 2005	24.31067339	10.21268497	2.737015295	517.5161114	1.572687018	0.057191034	0.192776173
WV0099392	043	2003 to 2004	40.69562559	36.43717241	23.76274647	2046.076291	2.632649495	0.204048158	1.673681303
WV0099392	043	2004 to 2005	26.32454677	44.06009182	33.71676071	692.5994537	1.702966935	0.246736505	2.374772296
WV0099392	045	2003 to 2004	82.20877361	24.43651368	6.870065928	1475.078265	5.318185511	0.136844472	0.48387929
WV0099392	045	2004 to 2005	27.56939947	7.880061153	5.677537145	908.045472	1.783497969	0.044128341	0.399885921
WV0099392	046	2003 to 2004	111.0968701	30.6144609	27.7791332	2978.863723	7.186991594	0.171440975	1.956567433
WV0099392	046	2004 to 2005	34.30674406	21.56743147	6.448961294	3276.029072	2.219344982	0.120777612	0.454219631
WV0099392	047	2003 to 2004	59.94299482	22.60790384	15.10077417	3095.265448	3.877785211	0.126604257	1.063592688
WV0099392	047	2004 to 2005	34.68164175	14.08029234	12.8294316	2379.518927	2.243597569	0.078849634	0.903615238
WV0099392	048	2003 to 2004	3.979683225	2.379158454	1.456333356	54.79273959	0.257450546	0.013323287	0.102573914
WV0099392	048	2004 to 2005	3.694184238	3.988334816	0.311453475	124.5813878	0.23898127	0.022334674	0.0219366
WV0099392	049	2003 to 2004	29.65493116	23.60282412	12.5879107	746.3872098	1.91841355	0.13217581	0.886604198
WV0099392	049	2004 to 2005	13.52155063	14.45158548	9.372442592	525.217259	0.874725549	0.080928876	0.660129163
WV0099392	050	2003 to 2004	25.23480942	13.54350683	18.14845664	495.4941565	1.632470501	0.075843636	1.27825008
WV0099392	050	2004 to 2005	11.61029341	11.29883994	4.645847651	506.5444634	0.751083996	0.063273501	0.327220945
WV0099392	051	2003 to 2004	30.88580323	5.32066359	10.51155492	1622.153529	1.998040161	0.029795715	0.740360251
WV0099392	051	2004 to 2005	6.229069528	0.519089127	0.173029709	173.0297091	0.402966081	0.002906899	0.012187
WV0099392	052	2003 to 2004	27.99620642	31.30972575	70.53555867	675.6810033	1.811108629	0.175334458	4.968030354
WV0099392	052	2004 to 2005	27.99620642	31.30972575	70.53555867	675.6810033	1.811108629	0.175334458	4.968030354
WV0099392	053	2003 to 2004	38.21990246	18.22317374	28.88023039	526.5608509	2.472491956	0.102049769	2.034121001
WV0099392	053	2004 to 2005	1079.633314	459.2280668	720.4056041	34268.53474	69.84279166	2.571677082	50.74032128
WV0099392	054	2003 to 2004	5.926267529	15.92594268	0.454202985	109.585482	0.383377451	0.089185276	0.031990875
WV0099392	054	2004 to 2005	0.9516634	0.735376264	0.129772282	17.30297091	0.061564262	0.004118107	0.00914025
WV0099414	001	2003 to 2004	105.9806917	77.53893427	9.78699255	1130.100237	6.856019794	0.434218016	0.689327156
WV0099414	001	2004 to 2005	111.4599664	150.1393127	16.58201312	3767.000837	7.210480737	0.840780121	1.167920778
WV0099414	007	2003 to 2004	66.61643463	60.60365227	14.66426709	731.0504912	4.309498145	0.339380441	1.032848189
WV0099414	007	2004 to 2005	66.61643463	60.60365227	14.66426709	731.0504912	4.309498145	0.339380441	1.032848189
WV0099414	012	2003 to 2004	10.38178199	5.709980093	3.374079146	129.7722748	0.671610098	0.031975887	0.237646485
WV0099414	012	2004 to 2005	10.38178199	5.709980093	3.374079146	129.7722748	0.671610098	0.031975887	0.237646485
WV0099414	013	2003 to 2004	17.30297035	5.190891106	9.516633694	129.7722776	1.119350188	0.029068989	0.670284973

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0099414	013	2004 to 2005	17.30297035	5.190891106	9.516633694	129.7722776	1.119350188	0.029068989	0.670284973
WV0099414	014	2003 to 2004	12.11207992	5.147633965	0.908405994	121.1207992	0.783545175	0.028826749	0.063981751
WV0099414	014	2004 to 2005	12.11207992	5.147633965	0.908405994	121.1207992	0.783545175	0.028826749	0.063981751
WV0099473	003	2003 to 2004	138.6220293	754.1031142	792.7824655	2472.882894	8.967627604	4.222977289	55.83804009
WV0099473	003	2004 to 2005	524.1718792	1562.151854	1018.460073	14588.5675	33.90931613	8.748050068	71.73318891
WV0099490	008	2003 to 2004	5.190891134	17.36785656	6.012782228	73.53762428	0.335805058	0.097259993	0.423498235
WV0099490	008	2004 to 2005	5.190891134	17.36785656	6.012782228	73.53762428	0.335805058	0.097259993	0.423498235
WV0099490	009	2003 to 2004	6.056039679	1.924955482	1.514009927	19.46584193	0.39177257	0.01077975	0.106636247
WV0099490	009	2004 to 2005	2.595445637	3.395708041	2.681960491	15.14009955	0.167902534	0.019015964	0.188898499
WV0099490	010	2003 to 2004	4.671802107	1.526987165	2.896084697	37.85024835	0.302224558	0.008551128	0.203979907
WV0099490	010	2004 to 2005	50.39490121	1.35179458	3.276750076	60.56039662	3.260107427	0.007570049	0.230791308
WV0099490	011	2003 to 2004	3.02801991	2.195314434	1.589710453	48.66460569	0.195886289	0.01229376	0.111968062
WV0099490	011	2004 to 2005	1.730297091	2.55218821	0.519089127	99.49208274	0.111935022	0.014292253	0.036561
WV0099490	012	2003 to 2004	3.460594182	9.516634002	5.450435837	25.95445637	0.223870045	0.053293149	0.383890497
WV0099490	012	2004 to 2005	3.460594182	9.516634002	5.450435837	25.95445637	0.223870045	0.053293149	0.383890497
WV0099490	013	2003 to 2004	6.74815846	7.147208272	28.96949889	61.64183216	0.436546575	0.040024365	2.040408448
WV0099490	013	2004 to 2005	4.078557449	6.763607757	17.59959327	31.67061638	0.26384684	0.037876202	1.239591991
WV0099490	014	2003 to 2004	18.93954332	38.84886402	37.15434444	123.7793241	1.225222083	0.217553631	2.6168916
WV0099490	014	2004 to 2005	16.87039624	27.85598013	23.95019514	93.54418378	1.091366443	0.155993483	1.686883874
WV0099490	017	2003 to 2004	7.137475256	4.731280933	14.44257301	88.40736399	0.461731952	0.026495172	1.017233612
WV0099490	017	2004 to 2005	3.460594182	1.874488515	3.720138746	14.41914243	0.223870045	0.010497135	0.262020498
WV0099490	019	2003 to 2004	1446.42019	50.82747712	1618.098101	7218.582953	93.5706806	0.284633862	113.9674887
WV0099490	019	2004 to 2005	692.1187962	21.62871238	2552.188061	6056.039467	44.77400637	0.121120785	179.7582382
WV0099490	300	2003 to 2004	237.9158423	126.3116836	2513.256444	994.9207953	15.39106509	0.707345403	177.0161679
WV0099490	300	2004 to 2005	122.5627095	167.3341432	1365.492757	1384.237673	7.928730681	0.937071169	96.17573879
WV0099490	301	2003 to 2004	111.0273931	45.85287143	588.300992	418.1551168	7.182497041	0.256776071	41.43579835
WV0099490	301	2004 to 2005	17.30297035	9.516633694	113.7670301	129.7722776	1.119350188	0.053293147	8.012952181
WV0099511	001	2003 to 2004	490.106643	319.7048258	143.0739384	8727.095675	31.70559459	1.790346961	10.07712538
WV0099511	001	2004 to 2005	902.2003345	353.8457542	131.8486378	12331.07036	58.3644365	1.981536153	9.28649389
WV0099511	002	2003 to 2004	10.24892046	3.015660644	0	235.4439977	0.663015124	0.016887699	0
WV0099511	002	2004 to 2005	10.42504007	2.132591183	0	136.2608968	0.674408516	0.01194251	0

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV0099511	003	2003 to 2004	9.927776006	3.74412691	0	174.5240538	0.6422399	0.02096711	0
WV0099511	003	2004 to 2005	10.0369846	2.950697213	0	157.0965544	0.649304736	0.016523904	0
WV0099520	001	2003 to 2004	1673.215296	681.8271629	98.30250172	35831.56832	108.2423317	3.818231976	6.923739198
WV0099520	001	2004 to 2005	2318.060949	1060.549533	347.670753	81985.43963	149.958181	5.939077172	24.48749094
WV0099520	002	2003 to 2004	1995.032537	450.3098213	144.4798062	42305.76417	129.0610803	2.521734909	10.17614486
WV0099520	002	2004 to 2005	1995.032537	450.3098213	144.4798062	42305.76417	129.0610803	2.521734909	10.17614486
WV0099520	008	2003 to 2004	6.445356665	2.811732773	1.124693109	164.3782237	0.416957959	0.015745703	0.079215499
WV0099520	008	2004 to 2005	2.581026494	0.446993415	0.245125421	28.83828485	0.166969742	0.002503163	0.017264917
WV0099520	011	2003 to 2004	29.67819952	9.9528127	1.658201337	516.2052907	1.919918808	0.055735749	0.11679208
WV0099520	011	2004 to 2005	29.99542072	12.28510922	3.186630409	1003.572302	1.940440233	0.068796609	0.22444391
WV0099520	016	2003 to 2004	2.811732773	4.477143723	1.405866387	51.90891274	0.181894411	0.025072004	0.099019374
WV0099520	016	2004 to 2005	2.811732773	4.477143723	1.405866387	51.90891274	0.181894411	0.025072004	0.099019374
WV0099589	001	2003 to 2004	1656.435041	1172.07801	126.473902	37877.35671	107.1567966	6.563636619	8.907935178
WV0099589	001	2004 to 2005	277.5685199	454.8939826	143.0799624	13715.19412	17.95624501	2.547406212	10.07754967
WV0099589	003	2003 to 2004	10.59806954	13.6260894	3.028019868	1009.844626	0.685602003	0.076306098	0.213272495
WV0099589	003	2004 to 2005	10.59806954	13.6260894	3.028019868	1009.844626	0.685602003	0.076306098	0.213272495
WV0099643	002	2003 to 2004	43.97838282	0	0	5186.385173	2.845015052	0	0
WV0099643	002	2004 to 2005	166.6113839	0	0	10873.70024	10.77829298	0	0
WV0099651	001	2003 to 2004	105.0840074	498.7851801	161.3366881	7312.983599	6.798012198	2.793196909	11.36342546
WV0099651	001	2004 to 2005	25.99726307	60.64826415	115.296815	2432.779683	1.681794554	0.339630267	8.120699509
WV0099651	009	2003 to 2004	168.3074396	37.02340128	1268.776385	2034.394548	10.88801289	0.20733104	89.36371545
WV0099651	009	2004 to 2005	234.2772713	38.30084761	1188.315326	2449.451833	15.1556815	0.214484739	83.69660238
WV0099651	010	2003 to 2004	33.15681689	58.22449517	4.304113857	206.9867797	2.144954795	0.326057161	0.303151612
WV0099651	010	2004 to 2005	5.076664503	6.756945151	3.508582743	127.7445857	0.328415599	0.037838891	0.247119976
WV0099651	011	2003 to 2004	11.76241509	8.668607977	15.97911301	561.805822	0.760924932	0.048544203	1.125456719
WV0099651	011	2004 to 2005	5.193895301	2.382162514	5.178875369	134.3984236	0.335999402	0.01334011	0.364763681
WV0099716	025	2003 to 2004	7.085566374	0	0	0	0.458373903	0	0
WV0099716	025	2004 to 2005	7.085566374	0	0	0	0.458373903	0	0
WV0099716	029	2003 to 2004	15.02654883	0	0	0	0.972085712	0	0
WV0099716	029	2004 to 2005	15.02654883	0	0	0	0.972085712	0	0
WV0099759	001	2003 to 2004	27.32968205	37.34377591	6.103352717	2637.14849	1.767990358	0.209125138	0.429877386

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV0099759	001	2004 to 2005	23.0565466	70.31618728	6.103352717	1421.569735	1.491556031	0.393770635	0.429877386
WV0099759	008	2003 to 2004	141.807756	73.92288511	671.7878291	6023.652777	9.173716138	0.413968142	47.31602598
WV0099759	008	2004 to 2005	90.88114811	18.36187591	487.6238432	1768.372587	5.87921196	0.102826501	34.34480566
WV0099759	009	2003 to 2004	45.82899019	50.94868682	50.90666859	4555.164703	2.964733092	0.285312636	3.58550892
WV0099759	009	2004 to 2005	2.382889384	2.324365681	1.279194178	230.5404518	0.154152011	0.013016447	0.090097472
WV0099929	001	2003 to 2004	3.028019868	0	0	0	0.195886287	0	0
WV0099929	001	2004 to 2005	3.028019868	0	0	0	0.195886287	0	0
WV0099929	DGC	2003 to 2004	8107.080153	1554.390168	542.4977923	789.2000122	524.4568713	8.70458463	38.20974201
WV0099929	DGC	2004 to 2005	8054.795972	2615.859486	450.4203193	789.2000122	521.074544	14.6488126	31.7244502
WV0099929	DSB	2003 to 2004	27682.95293	12909.72584	987.9776664	789.2000122	1790.843881	72.29446211	69.58622187
WV0099929	DSB	2004 to 2005	9760.805719	460.9483891	10816.52131	789.2000122	631.4383887	2.581310887	761.8399458
WV0099929	UGC	2003 to 2004	2352.733094	1389.883628	259.4371785	789.2000122	152.2011642	7.78334804	18.2729364
WV0099929	UGC	2004 to 2005	89125.67125	4036.874382	203478.5594	789.2000122	5765.648028	22.60649573	14331.6035
WV0099929	USB	2003 to 2004	19588.55905	5223.919937	420.7561736	789.2000122	1267.2077	29.25395061	29.6351157
WV0099929	USB	2004 to 2005	1008.812235	515.5617964	80.96692541	789.2000122	65.26128998	2.887145957	5.702742712
WV0099970	002	2003 to 2004	49.86860289	13.87481951	1.975422491	1481.206368	3.226060549	0.077698986	0.139134914
WV0099970	002	2004 to 2005	45.36262145	14.37228016	1.975422491	1168.343772	2.934563131	0.080484766	0.139134914
WV0099970	004	2003 to 2004	24.33230269	6.928397925	0.879567653	282.6151916	1.574086243	0.038799027	0.06195058
WV0099970	004	2004 to 2005	21.03272163	13.41941473	0.879567653	525.577724	1.360632333	0.07514872	0.06195058
WV0099970	DLF	2003 to 2004	381.0330475	381.4439912	59.2302326	789.2000122	24.64949109	2.136086274	4.171762427
WV0099970	DLF	2004 to 2005	381.0330475	381.4439912	59.2302326	789.2000122	24.64949109	2.136086274	4.171762427
WV1000047	DNF2	2003 to 2004	65.42685775	76.40343053	20.43913416	1054.399779	4.232542971	0.427859196	1.439589348
WV1000047	DNF2	2004 to 2005	65.42685775	76.40343053	20.43913416	1054.399779	4.232542971	0.427859196	1.439589348
WV1000063	001	2003 to 2004	38.24000168	25.74537866	137.6500892	719.6053233	2.473792315	0.144174115	9.695107465
WV1000063	001	2004 to 2005	38.24000168	25.00639703	143.2235356	542.9257566	2.473792315	0.140035818	10.08766196
WV1000063	002	2003 to 2004	38.24000168	0.291987618	0.638047018	0	2.473792315	0.001635131	0.04493956
WV1000063	002	2004 to 2005	38.24000168	0.291987618	0.638047018	0	2.473792315	0.001635131	0.04493956
WV1000063	003	2003 to 2004	38.24000168	9.343604125	1.557267354	856.4970448	2.473792315	0.052324181	0.109682997
WV1000063	003	2004 to 2005	38.24000168	9.343604125	1.557267354	856.4970448	2.473792315	0.052324181	0.109682997
WV1000063	007	2003 to 2004	38.24000168	23.6816385	155.8447915	599.9827522	2.473792315	0.132617171	10.97661477
WV1000063	007	2004 to 2005	38.24000168	19.12068387	167.470227	617.815189	2.473792315	0.107075826	11.79542895

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1000063	008	2003 to 2004	38.24000168	4.916026243	1.583852633	281.1957992	2.473792315	0.027529746	0.111555478
WV1000063	008	2004 to 2005	38.24000168	6.691779598	2.07255339	497.9614637	2.473792315	0.037473964	0.145976134
WV1000063	012	2003 to 2004	38.24000168	0.194658423	0	0	2.473792315	0.001090087	0
WV1000063	012	2004 to 2005	38.24000168	0.161539453	0.067927678	39.87794068	2.473792315	0.000904621	0.00478435
WV1000063	013	2003 to 2004	38.24000168	4.638908392	1.355849961	167.2845808	2.473792315	0.025977886	0.095496568
WV1000063	013	2004 to 2005	38.24000168	5.994758297	3.585409773	161.5845105	2.473792315	0.033570645	0.252531134
WV1000268	001	2003 to 2004	36.03235526	136.6588634	26.91044538	2701.95352	2.330976868	0.765289608	1.895383151
WV1000268	001	2004 to 2005	30.11257646	104.4312938	38.65837584	3999.935721	1.948019181	0.584815224	2.72282503
WV1000268	002	2003 to 2004	3.443831923	43.79706377	47.47827058	255.3134484	0.222785674	0.245263548	3.344036594
WV1000268	002	2004 to 2005	2.113223601	32.67410374	31.21711496	115.8119282	0.136707004	0.182974974	2.19871477
WV1000268	005	2003 to 2004	40.06178487	9.960563393	8.246487798	340.7739008	2.591645568	0.055779153	0.580824799
WV1000268	005	2004 to 2005	64.31691223	11.02966067	9.851878927	312.8298463	4.160739246	0.061766098	0.693897298
WV1000268	006	2003 to 2004	10.11592968	21.66926751	43.47822058	855.6859882	0.654411789	0.121347894	3.06230111
WV1000268	006	2004 to 2005	9.716699808	64.56171125	91.26235865	0	0.628585124	0.36154557	6.427880866
WV1000527	001	2003 to 2004	49.69304945	121.1337701	21.06204075	1575.65174	3.214703783	0.678349088	1.483462522
WV1000527	001	2004 to 2005	48.20950049	158.4086956	44.76062219	2024.537679	3.118731198	0.887088664	3.15262449
WV1000942	007	2003 to 2004	1.117123044	21.16074679	238.7810012	467.5734642	0.072268048	0.118500178	16.81806006
WV1000942	007	2004 to 2005	1.093485967	15.94963134	238.7810012	112.4693097	0.070738937	0.089317932	16.81806006
WV1000942	DMC	2003 to 2004	929.8380506	7118.206196	1741.701308	149710.0221	60.15235395	39.86195328	122.6732322
WV1000942	DMC	2004 to 2005	1379.764142	5150.67992	604.3242882	47860.73887	89.25861983	28.84380652	42.56436702
WV1000942	UMC	2003 to 2004	1756.939703	8486.910447	2230.706829	455441.7149	113.6585654	47.52669681	157.1153536
WV1000942	UMC	2004 to 2005	1691.329337	5921.220751	801.7043109	68058.35196	109.414151	33.15883502	56.46643235
WV1000942	UTMC1	2003 to 2004	30.88776893	116.2248413	23.24103571	3834.181018	1.998167324	0.650859088	1.636935654
WV1000942	UTMC1	2004 to 2005	41.49714483	122.1432445	21.86466321	3307.226915	2.68450075	0.684002145	1.539993622
WV1000942	UTMC2	2003 to 2004	98.62300199	246.2920613	64.25694248	11748.324	6.3800419	1.379235494	4.525808638
WV1000942	UTMC2	2004 to 2005	42.48075897	135.6906818	13.21317739	5137.802524	2.748131944	0.759867791	0.930643601
WV1000942	UTMR1	2003 to 2004	24.81403347	147.5864768	50.49321517	5118.140158	1.605249993	0.826484241	3.556388159
WV1000942	UTMR1	2004 to 2005	39.44880632	178.2795826	56.94250263	2042.930236	2.551991241	0.998365627	4.010630763
WV1000942	UTMR2	2003 to 2004	24.18811089	30.7127731	18.16811921	1751.925794	1.5647583	0.171991523	1.279634973
WV1000942	UTMR2	2004 to 2005	19.22161769	80.17043159	22.2054792	1272.489288	1.243469817	0.448954401	1.563998312
WV1001159	002	2003 to 2004	0	0	0	25954.45701	0	0	0

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1001159	002	2004 to 2005	0	0	0	25954.45701	0	0	0
WV1001159	006	2003 to 2004	0.192180124	1.245092927	0.093679363	47.70820988	0.012432366	0.00697252	0.006598118
WV1001159	006	2004 to 2005	0.192180124	1.497626152	0.093679363	39.70761325	0.012432366	0.008386706	0.006598118
WV1001221	001	2003 to 2004	0	91.1019429	35.25480266	1044.937211	0	0.510170862	2.483101191
WV1001221	001	2004 to 2005	0	118.1738827	58.10013142	1454.530964	0	0.66177372	4.092166021
WV1001221	002	2003 to 2004	0	6.847290066	3.848108511	143.7408216	0	0.038344823	0.271033791
WV1001221	002	2004 to 2005	0	26.83258139	7.293202034	145.5432159	0	0.15026245	0.513682032
WV1001221	003	2003 to 2004	0	4.638375918	2.109782681	77.47011868	0	0.025974904	0.148598304
WV1001221	003	2004 to 2005	0	14.34848824	3.317844584	129.3397029	0	0.080351531	0.233685717
WV1001221	005	2003 to 2004	0	4.450107733	2.602655168	74.88941977	0	0.024920602	0.183312787
WV1001221	005	2004 to 2005	0	11.90300155	4.448305232	124.0046188	0	0.066656806	0.313307441
WV1001221	011	2003 to 2004	0	3.813863094	2.389972802	47.40292959	0	0.021357633	0.168332932
WV1001221	011	2004 to 2005	0	7.988204937	2.415206358	90.84059659	0	0.044733946	0.170110207
WV1001221	014	2003 to 2004	0	8.181060759	4.2987067	77.59300865	0	0.045813939	0.302770769
WV1001221	014	2004 to 2005	0	8.181060759	4.2987067	77.59300865	0	0.045813939	0.302770769
WV1001221	015	2003 to 2004	0	3.590366359	0.865148525	45.42029759	0	0.020106051	0.060934998
WV1001221	015	2004 to 2005	0	3.590366359	0.865148525	45.42029759	0	0.020106051	0.060934998
WV1001221	037	2003 to 2004	0	5.92446501	7.193349538	77.59300874	0	0.033177003	0.506649122
WV1001221	037	2004 to 2005	0	10.20875253	9.82808726	125.2302481	0	0.057169012	0.692221579
WV1001221	041	2003 to 2004	0	103.5654901	46.2133513	1442.364842	0	0.579966724	3.254944546
WV1001221	041	2004 to 2005	0	138.1858471	38.39096551	1489.136895	0	0.773840716	2.70399052
WV1001370	001	2003 to 2004	508.4130124	9779.541217	18543.11766	56236.36342	32.88985588	54.76542886	1306.047235
WV1001370	001	2004 to 2005	270.7391752	7285.155899	11096.65283	21964.52685	17.5144464	40.79687158	781.5704463
WV1001418	002	2003 to 2004	25.41238609	77.82191252	25.81431975	2844.232121	1.643958152	0.435802695	1.818179745
WV1001418	002	2004 to 2005	17.47374756	57.63916971	12.31214517	3114.039081	1.130397973	0.322779339	0.867181208
WV1001442	001	2003 to 2004	0	0	0	0	0	0	0
WV1001442	001	2004 to 2005	0	0	0	0	0	0	0
WV1001442	018	2003 to 2004	0	0	0	0	0	0	0
WV1001442	018	2004 to 2005	0	0	0	0	0	0	0
WV1001647	009	2003 to 2004	0	8.761791701	0	109.8738629	0	0.049066032	0
WV1001647	009	2004 to 2005	0	8.761791701	0	109.8738629	0	0.049066032	0



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1002619	002	2004 to 2005	60.48673917	83.03839679	38.6803099	1831.015138	3.912960694	0.465015005	2.724369911
WV1002678	008	2003 to 2004	54.71985871	218.1216431	1956.498806	1275.110963	3.539894186	1.221481158	137.8020624
WV1002678	008	2004 to 2005	111.7898099	299.439179	1856.390706	1561.195259	7.231818713	1.676859342	130.7511495
WV1002678	009	2003 to 2004	33.50963577	61.50097578	31.50492403	2162.871321	2.167779077	0.344405452	2.218986024
WV1002678	009	2004 to 2005	33.50963577	61.50097578	31.50492403	2162.871321	2.167779077	0.344405452	2.218986024
WV1002678	013	2003 to 2004	12.48502721	48.15795271	147.3778718	863.1822868	0.807671589	0.269684526	10.38026429
WV1002678	013	2004 to 2005	13.60265839	39.97346714	147.3778718	531.2552747	0.879972509	0.223851408	10.38026429
WV1002678	DRR-2	2003 to 2004	562.3827942	5954.227833	5328.576975	789.2000122	36.38122667	33.34367468	375.307613
WV1002678	DRR-2	2004 to 2005	562.3827942	5954.227833	5328.576975	789.2000122	36.38122667	33.34367468	375.307613
WV1002678	DUTTR-3	2003 to 2004	10.81504554	41.36754919	31.36363206	789.2000122	0.699638444	0.231658267	2.209034408
WV1002678	DUTTR-3	2004 to 2005	10.81504554	41.36754919	31.36363206	789.2000122	0.699638444	0.231658267	2.209034408
WV1002678	DWR-S1	2003 to 2004	3.460801994	58.3145136	741.4768273	789.2000122	0.223883488	0.326561265	52.22443054
WV1002678	DWR-S1	2004 to 2005	3.460801994	58.3145136	741.4768273	789.2000122	0.223883488	0.326561265	52.22443054
WV1002678	URR-1	2003 to 2004	108.1505467	4542.322962	4212.463794	789.2000122	6.996390351	25.43700768	296.6964236
WV1002678	URR-1	2004 to 2005	108.1505467	4542.322962	4212.463794	789.2000122	6.996390351	25.43700768	296.6964236
WV1002678	UTTR-3	2003 to 2004	2.43337635	23.52263805	30.41720437	789.2000122	0.157418074	0.131726768	2.142374675
WV1002678	UTTR-3	2004 to 2005	2.43337635	23.52263805	30.41720437	789.2000122	0.157418074	0.131726768	2.142374675
WV1002686	001	2003 to 2004	56.32928028	53.79331356	10.02761222	1513.198876	3.644009624	0.301242545	0.706274719
WV1002686	001	2004 to 2005	18.59080593	14.3231518	0.566486893	99.19731151	1.202661837	0.080209647	0.039899366
WV1002686	003	2003 to 2004	67.3229751	1181.262995	551.2870651	6100.234397	4.355205107	6.615072537	38.82879678
WV1002686	003	2004 to 2005	47.98330049	726.111957	440.9049278	4001.023617	3.104098045	4.066226814	31.05425272
WV1002686	004	2003 to 2004	6.166432616	15.8247777	0.371228743	24.67388449	0.398914023	0.088618752	0.026146751
WV1002686	004	2004 to 2005	6.166432616	15.8247777	0.371228743	24.67388449	0.398914023	0.088618752	0.026146751
WV1002686	005	2003 to 2004	5.667059223	4.65233614	1.588845263	75.15064544	0.366608951	0.026053081	0.111907124
WV1002686	005	2004 to 2005	5.127735309	4.439077068	1.000241466	88.42899343	0.331719431	0.024858831	0.070449998
WV1002791	004	2003 to 2004	11.97209353	36.92622089	226.9104342	328.4650519	0.774489286	0.20678683	15.98198053
WV1002791	004	2004 to 2005	32.45088031	15.18215509	192.3333324	256.3717484	2.099286899	0.085020065	13.54661183
WV1002791	005	2003 to 2004	240.8952054	29.93413934	956.9570279	1511.005965	15.58380371	0.167631174	67.40134553
WV1002791	005	2004 to 2005	454.1699339	61.83408886	809.3885123	3060.647375	29.38080518	0.346270885	57.00765363
WV1002791	007	2003 to 2004	3.465640825	10.79080527	2.807286795	406.4828239	0.224196518	0.060428507	0.197725605
WV1002791	007	2004 to 2005	2.080682185	7.337324605	2.842878042	249.5347873	0.13460186	0.041089016	0.200232403



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1002856	006	2003 to 2004	30.68032988	38.61806787	137.7559796	632.6398752	1.984747839	0.216261172	9.70256564
WV1002856	006	2004 to 2005	18.62953131	40.54662683	104.545988	814.6815124	1.205167029	0.227061102	7.36348661
WV1002856	007	2003 to 2004	34.71949055	65.70802821	88.19648191	1189.579181	2.246046054	0.367964945	6.211941998
WV1002856	007	2004 to 2005	32.97297259	58.29478732	74.65150122	805.6695451	2.133061684	0.326450797	5.257928498
WV1002856	008	2003 to 2004	7.453254716	6.935246862	7.589515484	91.9220307	0.482160109	0.038837381	0.534552274
WV1002856	008	2004 to 2005	7.411438867	23.98624226	16.71899492	194.6584146	0.479454991	0.134322952	1.177568815
WV1002856	009	2003 to 2004	18.18253802	10.07753832	41.1767437	977.617825	1.17625049	0.056434213	2.90020121
WV1002856	009	2004 to 2005	18.84423256	6.066421508	34.78372894	297.6110913	1.219056315	0.033971959	2.44992206
WV1002856	010	2003 to 2004	16.19990599	10.56057958	41.61508561	873.0790462	1.047991614	0.059139244	2.931074942
WV1002856	010	2004 to 2005	22.8891263	5.206031275	39.35290257	383.9096552	1.480725408	0.029153774	2.771742625
WV1002856	012	2003 to 2004	1.639456462	13.43143078	6.351487891	84.35198138	0.106058432	0.07521601	0.447354288
WV1002856	012	2004 to 2005	2.887865707	10.80916537	10.88702876	155.7267307	0.186819544	0.060531324	0.766805996
WV1002856	013	2003 to 2004	19.828339	5.544304275	26.21270238	621.6092104	1.282719356	0.031048103	1.846239025
WV1002856	013	2004 to 2005	21.16802149	2.889235589	67.00395056	294.1504977	1.369385045	0.016179719	4.719288633
WV1002856	014	2003 to 2004	1.255330516	3.701538017	6.220850502	36.33623885	0.081208857	0.020728612	0.438153106
WV1002856	014	2004 to 2005	0.350385151	5.119516404	8.780176087	43.25742623	0.022666841	0.028669291	0.618414061
WV1002856	015	2003 to 2004	1.257709688	16.42635868	72.72157364	17.30297091	0.081362769	0.091987605	5.121997926
WV1002856	015	2004 to 2005	0.57748665	12.87989859	52.79893291	17.30297091	0.037358313	0.07212743	3.718786756
WV1003038	001	2003 to 2004	14.10534573	95.19631175	76.48578098	623.6279061	0.912491964	0.533099327	5.387122307
WV1003038	001	2004 to 2005	20.60002761	106.1020558	170.9526285	601.8453778	1.332640831	0.594171491	12.04070491
WV1003038	002	2003 to 2004	8.029817291	2.03383348	14.82577529	179.6994579	0.519458643	0.011389467	1.044223695
WV1003038	002	2004 to 2005	4.038891783	8.875072016	38.12736564	166.6312101	0.26128082	0.049700402	2.685424393
WV1003038	003	2003 to 2004	7.679770154	30.53730953	70.40466876	345.7890535	0.496813668	0.171008927	4.958811387
WV1003038	003	2004 to 2005	20.30719868	47.02610963	109.1620381	480.9817268	1.313697371	0.263346205	7.688608822
WV1003348	005	2003 to 2004	29.29232022	314.6166033	226.1517483	4320.89138	1.894955807	1.761852916	15.92854401
WV1003348	005	2004 to 2005	57.92890223	559.8592289	220.4326312	2132.699234	3.747491113	3.13521157	15.52572949
WV1003364	001	2003 to 2004	192.6527157	257.1985635	36.4458235	7513.093984	12.4629384	1.440311904	2.566988351
WV1003364	001	2004 to 2005	68.04269746	91.0624465	102.9248664	1010.647995	4.401764822	0.509949682	7.249306168
WV1003429	002	2003 to 2004	23.21481899	27.12240642	6.505436253	237.1948912	1.501794864	0.151885471	0.458197332
WV1003429	002	2004 to 2005	8.851551053	22.27757501	2.519745151	224.3979041	0.572617599	0.124754416	0.177473187
WV1003429	003	2003 to 2004	19.50909953	21.98678882	3.753783409	223.7370263	1.262067367	0.123126013	0.264390192

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1003429	003	2004 to 2005	8.245946809	17.46518571	1.449123767	88.67772278	0.533440324	0.097805036	0.102066121
WV1003470	004	2003 to 2004	11.7681827	66.79703569	61.62236648	452.0400996	0.761298046	0.374063387	4.340247571
WV1003470	004	2004 to 2005	9.108319775	46.23488948	29.5651535	373.2214726	0.58922828	0.258915372	2.082362184
WV1003500	001	2003 to 2004	8527.49749	411.339915	890.04636	1900322.575	551.65418	2.303503442	62.68862708
WV1003500	001	2004 to 2005	38233.61306	83.52	207.6	615577.4075	2473.378912	0.467711983	14.62188889
WV1003500	002	2003 to 2004	54759.0423	24.41214	1084.65453	1463974.611	3542.42902	0.136707979	76.39546252
WV1003500	002	2004 to 2005	146153.6948	31.032	1017.636	733992.0122	9454.860202	0.173779194	71.67514701
WV1003500	003	2003 to 2004	62808.78624	3.48942	56.3838	123555.8288	4063.176742	0.019540751	3.971279666
WV1003500	003	2004 to 2005	265755.4561	48.042	203.868	908332.2281	17192.04355	0.26903519	14.35903297
WV1003500	004	2003 to 2004	2803.081139	39243.13594	53258.54164	789.2000122	181.3347267	219.7615535	3751.158373
WV1003500	004	2004 to 2005	2803.081139	39243.13594	53258.54164	789.2000122	181.3347267	219.7615535	3751.158373
WV1003623	001	2003 to 2004	23.41308122	9.56800172	99.19197971	205.4727715	1.514620689	0.053580808	6.986387794
WV1003623	001	2004 to 2005	91.53580435	15.31003911	90.11448817	743.8423396	5.921562468	0.085736216	6.347032915
WV1003674	001	2003 to 2004	11.79197481	0	0	0	0.762837187	0	0
WV1003674	001	2004 to 2005	11.79197481	20.90732347	17.58342326	648.3423233	0.762837187	0.117081007	1.238453089
WV1003674	002	2003 to 2004	13.61527453	0	0	0	0.880788662	0	0
WV1003674	002	2004 to 2005	13.61527453	122.5618968	64.97824219	4150.595153	0.880788662	0.686346597	4.576611934
WV1003674	003	2003 to 2004	11.07822644	0	0	0	0.716663937	0	0
WV1003674	003	2004 to 2005	11.07822644	11.52810365	2.108799449	421.7598897	0.716663937	0.064557378	0.148529052
WV1003674	004	2003 to 2004	50.48141718	0	0	0	3.26570425	0	0
WV1003674	004	2004 to 2005	50.48141718	32.13194098	27.31003578	1691.408662	3.26570425	0.179938863	1.923527499
WV1003682	001	2003 to 2004	591.053755	568.4025901	919.8495235	18444.37708	38.23598599	3.183054391	64.78775302
WV1003682	001	2004 to 2005	320.8619578	462.907631	384.3728708	11812.8822	20.75695014	2.592282641	27.07253087
WV1003682	002	2003 to 2004	642.0188481	292.6109226	2305.463506	10969.19832	41.53297982	1.638621108	162.3806899
WV1003682	002	2004 to 2005	777.4539457	199.8296495	922.8480474	10724.89253	50.29444094	1.119045997	64.99894802
WV1003682	004	2003 to 2004	17.30297035	9.516633694	16.65410896	54.07178235	1.119350188	0.053293147	1.172998703
WV1003682	004	2004 to 2005	17.30297035	9.516633694	16.65410896	54.07178235	1.119350188	0.053293147	1.172998703
WV1003682	014	2003 to 2004	32.44306969	15.32935041	23.44011783	281.173271	2.098781621	0.085844359	1.650957604
WV1003682	014	2004 to 2005	32.44306969	15.32935041	23.44011783	281.173271	2.098781621	0.085844359	1.650957604
WV1003682	015	2003 to 2004	23.79158451	9.922172163	16.32967845	59.47896129	1.539106527	0.055564162	1.150148092
WV1003682	015	2004 to 2005	23.79158451	9.922172163	16.32967845	59.47896129	1.539106527	0.055564162	1.150148092

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1003682	018	2003 to 2004	17.30297035	6.488613882	126.3116836	151.4009906	1.119350188	0.036336236	8.896509646
WV1003682	018	2004 to 2005	17.30297035	6.488613882	126.3116836	151.4009906	1.119350188	0.036336236	8.896509646
WV1003682	019	2003 to 2004	8.651485176	14.81566836	34.38965358	21.62871294	0.559675094	0.08296774	2.422166154
WV1003682	019	2004 to 2005	8.651485176	14.81566836	34.38965358	21.62871294	0.559675094	0.08296774	2.422166154
WV1003682	021	2003 to 2004	23.79158451	26.79256854	82.08096702	410.9455375	1.539106527	0.150038378	5.781207994
WV1003682	021	2004 to 2005	23.79158451	26.79256854	82.08096702	410.9455375	1.539106527	0.150038378	5.781207994
WV1003682	062	2003 to 2004	9.516633722	6.466985189	11.59299017	30.2801984	0.615642605	0.036215116	0.81652897
WV1003682	062	2004 to 2005	9.516633722	6.466985189	11.59299017	30.2801984	0.615642605	0.036215116	0.81652897
WV1003682	070	2003 to 2004	8.651485176	6.596757447	71.3747527	37.85024765	0.559675094	0.03694184	5.0271373
WV1003682	070	2004 to 2005	8.651485176	6.596757447	71.3747527	37.85024765	0.559675094	0.03694184	5.0271373
WV1003682	075	2003 to 2004	13.68016116	15.44830832	23.22653419	539.9067499	0.884986257	0.086510524	1.635914269
WV1003682	075	2004 to 2005	30.28019868	24.90906811	56.18058195	401.9335908	1.958862866	0.139490776	3.956966411
WV1003682	076	2003 to 2004	14.41914215	8.920041821	12.59331828	462.6742222	0.932791836	0.049952232	0.88698507
WV1003682	076	2004 to 2005	93.00346928	87.59629085	13.40980222	2617.074378	6.016507497	0.490539211	0.944492476
WV1003682	080	2003 to 2004	17.01458771	22.93845205	132.7089786	433.0549051	1.100694365	0.128455327	9.347090266
WV1003682	080	2004 to 2005	128.3959093	27.37506912	113.4868414	1156.644594	8.30608747	0.153300382	7.993217657
WV1003712	002	2003 to 2004	121.8642817	56.91055187	15.8295147	1222.022305	7.883548541	0.318699079	1.114920063
WV1003712	002	2004 to 2005	121.8642817	56.91055187	15.8295147	1222.022305	7.883548541	0.318699079	1.114920063
WV1003712	003	2003 to 2004	285.8136201	131.9607156	48.90940374	2893.430344	18.48963056	0.738979981	3.444835583
WV1003712	003	2004 to 2005	197.542251	75.24989916	35.07456407	1447.77201	12.77924838	0.42139942	2.470406448
WV1003712	005	2003 to 2004	272.5217948	64.2372802	262.7888736	389.3168497	17.62976622	0.359728756	18.50900631
WV1003712	005	2004 to 2005	272.5217948	64.2372802	262.7888736	389.3168497	17.62976622	0.359728756	18.50900631
WV1003712	008	2003 to 2004	15.86105616	24.22415849	21.41242581	310.0115521	1.026071006	0.135655283	1.50814119
WV1003712	008	2004 to 2005	15.86105616	24.22415849	21.41242581	310.0115521	1.026071006	0.135655283	1.50814119
WV1003712	009	2003 to 2004	30.10716911	204.8152674	88.56958226	711.5846796	1.947669372	1.146965457	6.238220572
WV1003712	009	2004 to 2005	2.595445497	1.362608886	0.859741321	21.08799466	0.167902525	0.007630609	0.060554153
WV1003712	010	2003 to 2004	6.317386617	37.11126683	16.62166604	500.6145835	0.408679421	0.207823087	1.170713651
WV1003712	010	2004 to 2005	3.66053956	15.96494621	10.95662548	113.4606244	0.236804754	0.089403696	0.771707901
WV1003712	011	2003 to 2004	3.460594182	9.170574583	10.25201027	246.5673355	0.223870045	0.051355216	0.722079745
WV1003712	011	2004 to 2005	3.460594182	9.170574583	10.25201027	246.5673355	0.223870045	0.051355216	0.722079745
WV1003712	012	2003 to 2004	4.325742588	14.33983707	7.483534877	168.7039608	0.279837547	0.080303085	0.527087743

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1003712	012	2004 to 2005	4.325742588	14.33983707	7.483534877	168.7039608	0.279837547	0.080303085	0.527087743
WV1003712	013	2003 to 2004	20.69146967	9.22464655	15.44290175	318.6630539	1.338556329	0.051658019	1.087689756
WV1003712	013	2004 to 2005	35.25480331	13.88202945	45.85287286	588.6614988	2.280676088	0.077739362	3.229554972
WV1003712	015	2003 to 2004	1.730297091	1.989841655	1.297722818	34.60594182	0.111935022	0.011143113	0.091402499
WV1003712	015	2004 to 2005	1.730297091	1.297722818	0.173029709	21.62871364	0.111935022	0.007267248	0.012187
WV1003712	016	2003 to 2004	10.81435647	25.81927607	5.028675759	600.1967841	0.699593868	0.144587941	0.354184673
WV1003712	016	2004 to 2005	5.190890994	0.648861374	0.25954455	64.88613742	0.335805049	0.003633624	0.018280499
WV1003712	019	2003 to 2004	5.190890994	1.816811848	0.25954455	64.88613742	0.335805049	0.010174146	0.018280499
WV1003712	019	2004 to 2005	5.190890994	1.816811848	0.25954455	64.88613742	0.335805049	0.010174146	0.018280499
WV1003712	024	2003 to 2004	11.53531403	7.014912788	6.178602541	99.49208251	0.746233489	0.03928351	0.435177456
WV1003712	024	2004 to 2005	13.26561113	10.44666876	5.947896268	78.58432751	0.858168511	0.058501343	0.418928123
WV1003712	025	2003 to 2004	60.56039623	93.4360399	17.30297035	6661.643586	3.917725659	0.523241805	1.218699951
WV1003712	025	2004 to 2005	17.95183166	23.96055831	22.16807895	125.7168922	1.161325815	0.134179122	1.5613641
WV1003712	033	2003 to 2004	4.217599049	9.884321836	1.43830941	93.72442507	0.27284161	0.0553522	0.101304433
WV1003712	033	2004 to 2005	1.838440606	2.815666413	0.943917589	110.2145144	0.118930958	0.015767731	0.066482939
WV1003712	036	2003 to 2004	9.516633582	6.164183118	18.62232163	30.2801977	0.615642596	0.034519424	1.311625808
WV1003712	036	2004 to 2005	9.516633582	6.164183118	18.62232163	30.2801977	0.615642596	0.034519424	1.311625808
WV1003712	037	2003 to 2004	51.99542783	57.55400663	42.45932779	507.4096127	3.36364744	0.322302426	2.990537443
WV1003712	037	2004 to 2005	15.07830318	66.34144416	34.13628944	170.8668401	0.975433764	0.371512074	2.40432096
WV1003712	038	2003 to 2004	56.23465383	21.29707276	7.714240986	1024.840511	3.637888124	0.119263603	0.543337064
WV1003712	038	2004 to 2005	80.69734815	45.76944766	22.07364707	1156.209213	5.22040956	0.256308898	1.554712981
WV1003763	002	2003 to 2004	121.4199906	84.61513023	25.60118666	2173.325185	7.854806808	0.473844712	1.803168144
WV1003763	002	2004 to 2005	66.04327627	81.66641657	24.39358385	1961.003341	4.272419834	0.457331916	1.718113066
WV1003810	011	2003 to 2004	126.9785683	153.1132621	21.53859316	3464.469192	8.21439796	0.857434237	1.517027533
WV1003810	011	2004 to 2005	40.91431448	62.1465006	8.399150019	2289.417242	2.646796745	0.348020391	0.591577256
WV1003844	001	2003 to 2004	875.5056721	0	0	0	56.63752633	0	0
WV1003844	001	2004 to 2005	116.970553	61.19479431	81.09915881	1700.026691	7.566967284	0.342690836	5.712056306
WV1003844	501	2003 to 2004	7.604655306	1.946584123	2.854990047	90.84059239	0.491954397	0.010900871	0.201085488
WV1003844	501	2004 to 2005	7.604655306	1.946584123	2.854990047	90.84059239	0.491954397	0.010900871	0.201085488
WV1003844	502	2003 to 2004	8.04588104	3.893168245	4.152712795	77.86336491	0.520497826	0.021801741	0.292487982
WV1003844	502	2004 to 2005	8.04588104	3.893168245	4.152712795	77.86336491	0.520497826	0.021801741	0.292487982

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1003887	001	2003 to 2004	59.79257719	30.154752	6.300444089	7486.778982	3.868054512	0.168866605	0.443759121
WV1003887	001	2004 to 2005	33.01893421	40.40784316	1.781665245	1426.683973	2.136034997	0.226283914	0.125488012
WV1003887	002	2003 to 2004	15.286093	33.29943151	4.769581834	1790.846185	0.98887594	0.18647681	0.335935913
WV1003887	002	2004 to 2005	15.55185587	39.78791055	4.557440285	2016.904536	1.006068463	0.222812291	0.32099415
WV1003887	004	2003 to 2004	124.475947	12.88440453	14.68589617	831.4325138	8.052500347	0.072152663	1.03437159
WV1003887	004	2004 to 2005	26.9261254	10.3351001	8.290736245	298.6294425	1.741883788	0.057876558	0.58394135
WV1003887	006	2003 to 2004	3.298378834	8.619042418	0.306406777	807.5620974	0.213376137	0.048266636	0.021581146
WV1003887	006	2004 to 2005	5.504507324	9.200313565	0.379854273	400.1311794	0.356093271	0.051521754	0.026754272
WV1003887	009	2003 to 2004	0.719154729	1.346387424	0.03244307	177.0850929	0.046522994	0.007539769	0.002285062
WV1003887	009	2004 to 2005	0.719154729	1.346387424	0.03244307	177.0850929	0.046522994	0.007539769	0.002285062
WV1003887	012	2003 to 2004	0.597943797	0.435931219	0.359352056	19.8803921	0.038681711	0.002441215	0.02531024
WV1003887	012	2004 to 2005	0.43813465	0.192828989	0.417686502	5.1120365	0.028343463	0.001079842	0.02941891
WV1003887	018	2003 to 2004	0	43.25742476	8.651484952	4325.742476	0	0.24224157	0.60934996
WV1003887	018	2004 to 2005	0	43.25742476	8.651484952	4325.742476	0	0.24224157	0.60934996
WV1003895	001	2003 to 2004	58.05146675	34.78329648	7.039064706	801.7764052	3.75541996	0.194786453	0.49578238
WV1003895	001	2004 to 2005	58.05146675	34.78329648	7.039064706	801.7764052	3.75541996	0.194786453	0.49578238
WV1003968	001	2003 to 2004	948.3086664	18.70297895	10985.63882	2967.819911	61.34724054	0.104736678	773.7513979
WV1003968	001	2004 to 2005	153.8882922	4.776340823	4608.686791	1290.062622	9.955220712	0.026747508	324.6035943
WV1003968	002	2003 to 2004	125.4803318	5.88706552	5337.236487	1799.013277	8.11747522	0.032967566	375.9175283
WV1003968	002	2004 to 2005	13.00336252	1.323857473	1129.391023	332.0908625	0.84120333	0.007413602	79.54638753
WV1003968	003	2003 to 2004	599.49838	25.23349925	26721.55448	5532.782582	38.78227905	0.141307591	1882.079001
WV1003968	003	2004 to 2005	363.3961884	16.66492409	10651.73152	1809.602387	23.50854123	0.093323572	750.2333077
WV1003968	004	2003 to 2004	531.0187089	23.18327709	8341.613561	2947.700769	34.35224587	0.129826347	587.5247911
WV1003968	004	2004 to 2005	247.3265895	10.78957361	3150.325716	1689.743208	15.99985776	0.06042161	221.8868621
WV1003968	017	2003 to 2004	4121.38516	376.8014748	13832.01286	10680.86696	266.6174166	2.110088183	974.2300341
WV1003968	017	2004 to 2005	794.1049676	58.34570757	4749.160767	4836.720983	51.37161579	0.326735951	334.4975965
WV1003984	001	2003 to 2004	201.8049086	0	0	0	13.05500489	0	0
WV1003984	001	2004 to 2005	163.5725501	0	0	0	10.58170713	0	0
WV1004000	001	2003 to 2004	58.21213715	125.8775668	26.29279095	2514.337928	3.765813924	0.704914349	1.851879903
WV1004000	001	2004 to 2005	3.732188916	7.016972442	4.31956295	179.518318	0.241439838	0.039295044	0.304239737
WV1004051	011	2003 to 2004	30.47846197	0	0	0	1.971688759	0	0

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1004051	011	2004 to 2005	28.75068815	0	0	0	1.85991697	0	0
WV1004069	010	2003 to 2004	38.24000168	0	0	0	2.473792315	0	0
WV1004069	010	2004 to 2005	38.24000168	0	0	0	2.473792315	0	0
WV1004093	001	2003 to 2004	3.071277238	2.379158423	0.432574259	129.7722776	0.198684658	0.013323287	0.030467499
WV1004093	001	2004 to 2005	3.071277238	2.379158423	0.432574259	129.7722776	0.198684658	0.013323287	0.030467499
WV1004093	003	2003 to 2004	16.2215354	18.49255036	4.542029913	519.089133	1.049390847	0.103558278	0.319908751
WV1004093	003	2004 to 2005	0.486646057	0.356873775	0.086514855	8.651485456	0.031481725	0.001998493	0.0060935
WV1004131	001	2003 to 2004	213.8791364	55.15321876	32.06096262	2679.076608	13.83610136	0.308858014	2.258149485
WV1004131	001	2004 to 2005	213.8791364	55.15321876	32.06096262	2679.076608	13.83610136	0.308858014	2.258149485
WV1004131	DPF-V	2003 to 2004	710.1409469	703.2738469	118.6713451	22147.80277	45.93988121	3.938333402	8.358377753
WV1004131	DPF-V	2004 to 2005	710.1409469	703.2738469	118.6713451	22147.80277	45.93988121	3.938333402	8.358377753
WV1004140	001	2003 to 2004	38.24000168	2.241334512	5.247124783	62.32673379	2.473792315	0.012551473	0.369570692
WV1004140	001	2004 to 2005	38.24000168	0.569916598	0.447714358	36.01180798	2.473792315	0.003191533	0.031533861
WV1004140	002	2003 to 2004	7.553827906	12.0147499	1.546452957	1141.99603	0.488666311	0.067282597	0.108921307
WV1004140	002	2004 to 2005	7.553827906	12.0147499	1.546452957	1141.99603	0.488666311	0.067282597	0.108921307
WV1004140	003	2003 to 2004	3.543504056	4.049976438	0.61461591	424.6437252	0.229233585	0.022679867	0.043289237
WV1004140	003	2004 to 2005	13.69638273	20.46076275	1.121989514	2407.816487	0.88603565	0.114580267	0.079025077
WV1004140	004	2003 to 2004	6.468427183	15.30207432	2.87337456	138.6430553	0.418450418	0.085691613	0.202380364
WV1004140	004	2004 to 2005	8.256160377	26.79076597	2.809329488	1079.392952	0.534101052	0.150028284	0.197869478
WV1004140	007	2003 to 2004	8.218910973	14.79403975	1.643782195	0	0.531691343	0.08284662	0.115776496
WV1004140	007	2004 to 2005	8.218910973	14.79403975	1.643782195	0	0.531691343	0.08284662	0.115776496
WV1004140	008	2003 to 2004	75.61608507	120.4791435	30.79808627	3600.685134	4.891696474	0.67468318	2.169201327
WV1004140	008	2004 to 2005	121.1329642	2020.36654	2972.089472	3208.754899	7.836238721	11.31405222	209.3331504
WV1004140	009	2003 to 2004	1.153531368	4.487957968	0.702933175	86.8753305	0.074623347	0.025132564	0.049509686
WV1004140	009	2004 to 2005	1.153531368	4.487957968	0.702933175	86.8753305	0.074623347	0.025132564	0.049509686
WV1004140	014	2003 to 2004	19.72538684	32.87564473	1.989841655	5381.223954	1.276059256	0.184103604	0.140150499
WV1004140	014	2004 to 2005	19.72538684	32.87564473	1.989841655	5381.223954	1.276059256	0.184103604	0.140150499
WV1004140	017	2003 to 2004	3.856872651	16.7145568	1.733969426	466.5549971	0.249505781	0.093601515	0.122128653
WV1004140	017	2004 to 2005	3.138416433	13.51343992	2.484598462	510.3925752	0.203027975	0.075675261	0.174997701
WV1004140	020	2003 to 2004	7.853881489	99.7240771	15.93364798	541.8211287	0.508077142	0.558454812	1.122254481
WV1004140	020	2004 to 2005	1.497831648	30.39997795	4.59004549	100.6989623	0.09689655	0.17023987	0.323290632

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1004140	021	2003 to 2004	119.344153	467.0643448	56.27327791	9541.738808	7.720518351	2.615560238	3.963495265
WV1004140	021	2004 to 2005	422.6447189	149.164389	23.17713293	8757.171081	27.3414007	0.835320549	1.63243479
WV1004182	001	2003 to 2004	165.8582403	178.3574014	53.97805943	5554.019267	10.72957121	0.998801412	3.801836163
WV1004182	001	2004 to 2005	42.72761428	55.72547998	34.66542115	872.8087201	2.764101314	0.312062677	2.441589289
WV1004182	002	2003 to 2004	231.788865	156.7522991	47.50043992	4878.55457	14.99470348	0.877812844	3.345598047
WV1004182	002	2004 to 2005	79.49164975	74.01075343	56.46896544	2681.329599	5.142411465	0.414460204	3.977278123
WV1004182	003	2003 to 2004	142.805822	126.2898604	31.20610422	2475.897797	9.23828224	0.707223193	2.197939251
WV1004182	003	2004 to 2005	19.29969712	23.43921669	58.48620335	865.7072781	1.24852087	0.131259609	4.119358222
WV1004182	006	2003 to 2004	47.58316903	13.6801611	2.973948064	594.7896129	3.078213054	0.076608899	0.209464057
WV1004182	006	2004 to 2005	47.58316903	13.6801611	2.973948064	594.7896129	3.078213054	0.076608899	0.209464057
WV1004182	007	2003 to 2004	232.0343922	107.8457231	27.47504526	6530.645923	15.01058693	0.603936028	1.935149609
WV1004182	007	2004 to 2005	34.98732719	31.76627121	15.65197874	1045.297679	2.263372732	0.177891112	1.102415674
WV1004182	008	2003 to 2004	11.01622458	11.85613974	2.523349855	726.0038159	0.712652961	0.06639438	0.177727077
WV1004182	008	2004 to 2005	15.8873707	114.9241633	11.82549864	1897.649154	1.027773326	0.643575292	0.832905237
WV1004182	010	2003 to 2004	8.651485176	36.55252487	3.6768812	519.0891106	0.559675094	0.204694132	0.25897374
WV1004182	010	2004 to 2005	8.651485176	36.55252487	3.6768812	519.0891106	0.559675094	0.204694132	0.25897374
WV1004182	011	2003 to 2004	3.460594182	5.017861564	0.519089127	224.9386219	0.223870045	0.028100024	0.036561
WV1004182	011	2004 to 2005	3.460594182	5.017861564	0.519089127	224.9386219	0.223870045	0.028100024	0.036561
WV1004182	012	2003 to 2004	7.78633677	15.70244567	10.38178227	389.316835	0.503707592	0.087933693	0.731219975
WV1004182	012	2004 to 2005	7.78633677	15.70244567	10.38178227	389.316835	0.503707592	0.087933693	0.731219975
WV1004182	013	2003 to 2004	5.190891274	10.64132711	3.720138746	134.0980246	0.335805067	0.05959143	0.262020498
WV1004182	013	2004 to 2005	5.190891274	10.64132711	3.720138746	134.0980246	0.335805067	0.05959143	0.262020498
WV1004182	014	2003 to 2004	5.190891274	6.229069528	2.638703064	207.6356509	0.335805067	0.034882788	0.185851749
WV1004182	014	2004 to 2005	5.190891274	6.229069528	2.638703064	207.6356509	0.335805067	0.034882788	0.185851749
WV1004182	015	2003 to 2004	9.516633582	13.1935148	3.849910839	136.2608907	0.615642596	0.07388368	0.271160735
WV1004182	015	2004 to 2005	5.048141491	61.64183055	3.633623696	227.101481	0.32657041	0.345194239	0.255926984
WV1004182	016	2003 to 2004	8.651485176	26.51680162	3.374079244	263.8702987	0.559675094	0.148494084	0.237646492
WV1004182	016	2004 to 2005	8.651485176	26.51680162	3.374079244	263.8702987	0.559675094	0.148494084	0.237646492
WV1004182	017	2003 to 2004	5.623465476	6.375063168	2.070949339	133.016587	0.363788818	0.035700352	0.145863156
WV1004182	017	2004 to 2005	5.623465476	6.375063168	2.070949339	133.016587	0.363788818	0.035700352	0.145863156
WV1004182	018	2003 to 2004	6.921188085	20.73112126	4.552844041	143.8309396	0.447740072	0.116094275	0.320670422

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1004182	018	2004 to 2005	6.921188085	20.73112126	4.552844041	143.8309396	0.447740072	0.116094275	0.320670422
WV1004182	019	2003 to 2004	6.056039679	10.27363875	3.13616339	203.3099026	0.39177257	0.057532375	0.220889367
WV1004182	019	2004 to 2005	6.056039679	10.27363875	3.13616339	203.3099026	0.39177257	0.057532375	0.220889367
WV1004182	021	2003 to 2004	11.24693067	28.95003201	13.24758641	93.00346411	0.727577619	0.162120173	0.933067132
WV1004182	021	2004 to 2005	11.24693067	28.95003201	13.24758641	93.00346411	0.727577619	0.162120173	0.933067132
WV1004182	022	2003 to 2004	6.056039679	16.71899539	9.646406262	123.2836646	0.39177257	0.093626371	0.679425243
WV1004182	022	2004 to 2005	6.056039679	16.71899539	9.646406262	123.2836646	0.39177257	0.093626371	0.679425243
WV1004182	023	2003 to 2004	6.921188085	20.54727703	12.99885621	246.567325	0.447740072	0.115064747	0.91554832
WV1004182	023	2004 to 2005	6.921188085	20.54727703	12.99885621	246.567325	0.447740072	0.115064747	0.91554832
WV1004182	024	2003 to 2004	6.921188085	19.98493051	11.74439089	125.4465349	0.447740072	0.111915607	0.827192575
WV1004182	024	2004 to 2005	6.921188085	19.98493051	11.74439089	125.4465349	0.447740072	0.111915607	0.827192575
WV1004182	025	2003 to 2004	11.24693067	29.67459388	13.88563344	369.8509889	0.727577619	0.16617772	0.978006692
WV1004182	025	2004 to 2005	11.24693067	29.67459388	13.88563344	369.8509889	0.727577619	0.16617772	0.978006692
WV1004182	026	2003 to 2004	6.921188085	21.60708394	17.45437098	56.23465337	0.447740072	0.120999666	1.229363551
WV1004182	026	2004 to 2005	6.921188085	21.60708394	17.45437098	56.23465337	0.447740072	0.120999666	1.229363551
WV1004182	027	2003 to 2004	7.907457703	24.2725536	26.75580029	243.0526693	0.511543052	0.135926295	1.884491035
WV1004182	027	2004 to 2005	3.57317152	26.11234535	23.37108613	93.14765808	0.23115281	0.146229129	1.646095494
WV1004182	028	2003 to 2004	5.851864651	9.064593539	10.93980301	149.2381218	0.378564239	0.050761722	0.770523045
WV1004182	028	2004 to 2005	5.851864651	9.064593539	10.93980301	149.2381218	0.378564239	0.050761722	0.770523045
WV1004182	030	2003 to 2004	9.078291738	10.30968647	4.123874589	620.0231062	0.587285729	0.057734242	0.290456821
WV1004182	030	2004 to 2005	13.22866179	14.87064152	16.19359782	618.9416702	0.855778214	0.08327559	1.140563526
WV1004182	031	2003 to 2004	41.34166394	63.80488543	41.62355848	356.9098226	2.674442502	0.357307346	2.931671711
WV1004182	031	2004 to 2005	13.82849762	37.63531167	30.74318722	285.521536	0.894582323	0.210757738	2.165334623
WV1004182	032	2003 to 2004	8.867037085	5.254695852	6.139580626	82.29995695	0.573619409	0.029426296	0.432429026
WV1004182	032	2004 to 2005	3.213918613	6.392906873	4.308980423	139.3429836	0.207912302	0.035800277	0.303494378
WV1004182	033	2003 to 2004	8.89372684	6.989164088	5.002412388	186.1614195	0.575346002	0.039139317	0.352334866
WV1004182	033	2004 to 2005	8.89372684	6.989164088	5.002412388	186.1614195	0.575346002	0.039139317	0.352334866
WV1004182	034	2003 to 2004	10.75541819	12.61494675	3.698509875	793.2330464	0.695781079	0.070643699	0.260497112
WV1004182	034	2004 to 2005	21.90917689	52.24069576	31.8194705	1071.564307	1.417331289	0.292547886	2.241140473
WV1004182	035	2003 to 2004	4.325742588	9.062430942	2.638703057	162.2153506	0.279837547	0.050749611	0.185851748
WV1004182	035	2004 to 2005	4.325742588	9.062430942	2.638703057	162.2153506	0.279837547	0.050749611	0.185851748



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1004182	036	2003 to 2004	15.34155626	17.27312288	4.33316846	602.6120031	0.992463926	0.096729485	0.305198014
WV1004182	036	2004 to 2005	1.196067864	2.271014932	0.930034687	47.58317001	0.077375084	0.012717683	0.065505125
WV1004182	037	2003 to 2004	3.997332201	6.980110855	3.138758852	189.8939242	0.25859228	0.039088619	0.221072173
WV1004182	037	2004 to 2005	0.753419396	1.120319276	1.783311436	37.52581695	0.048739617	0.006273788	0.125603958
WV1004182	038	2003 to 2004	10.38178255	29.58808026	9.170574583	276.8475346	0.671610135	0.165693244	0.645910995
WV1004182	038	2004 to 2005	10.38178255	29.58808026	9.170574583	276.8475346	0.671610135	0.165693244	0.645910995
WV1004182	040	2003 to 2004	2.548584823	6.554668194	6.000237633	92.72229429	0.164871051	0.036706141	0.422614682
WV1004182	040	2004 to 2005	2.615609436	3.811372499	8.833363049	141.9630087	0.169206954	0.021343685	0.622160178
WV1004182	041	2003 to 2004	4.61412539	7.324924101	4.278880357	105.6202136	0.298493381	0.041019574	0.301374341
WV1004182	041	2004 to 2005	4.61412539	7.324924101	4.278880357	105.6202136	0.298493381	0.041019574	0.301374341
WV1004182	042	2003 to 2004	6.632805376	10.01769877	5.973129512	125.0860578	0.429084244	0.056099111	0.420705376
WV1004182	042	2004 to 2005	6.632805376	10.01769877	5.973129512	125.0860578	0.429084244	0.056099111	0.420705376
WV1004182	043	2003 to 2004	7.397290336	15.29285247	6.418591092	156.0241325	0.478539705	0.085639971	0.452080567
WV1004182	043	2004 to 2005	1.40568521	2.014291061	1.269623479	27.23775922	0.090935485	0.01128003	0.089423379
WV1004182	045	2003 to 2004	11.77899699	19.4117695	12.22292618	164.6485754	0.761997636	0.108705905	0.860897247
WV1004182	045	2004 to 2005	2.560839695	4.152713019	0.346059418	69.21188365	0.165663833	0.023255192	0.024374
WV1004182	047	2003 to 2004	9.071082298	7.188843502	31.69687886	110.5767977	0.586819342	0.040257522	2.232505977
WV1004182	047	2004 to 2005	2.725578432	4.605113675	25.32001423	72.09571283	0.176320982	0.025788636	1.783364329
WV1004182	048	2003 to 2004	5.252460717	3.779257031	14.261973	126.275633	0.339788069	0.021163839	1.004513413
WV1004182	048	2004 to 2005	1.971051634	2.171657948	7.038794261	61.03352352	0.127509726	0.012161284	0.495763331
WV1004182	049	2003 to 2004	6.553557706	3.383956341	19.02173208	331.0130354	0.423957616	0.018950155	1.33975748
WV1004182	049	2004 to 2005	2.684664027	3.130756265	2.703589167	147.4807903	0.17367418	0.017532234	0.190421871
WV1004182	052	2003 to 2004	6.344422574	4.570868035	1.09585481	80.74719619	0.41042841	0.02559686	0.077184332
WV1004182	052	2004 to 2005	6.344422574	4.570868035	1.09585481	80.74719619	0.41042841	0.02559686	0.077184332
WV1004182	053	2003 to 2004	8.909793797	7.610217226	1.971302697	267.5780826	0.576385393	0.042617215	0.138844745
WV1004182	053	2004 to 2005	4.997412468	10.98443676	2.033099021	360.1180713	0.323288688	0.061512844	0.143197245
WV1004182	055	2003 to 2004	20.76356509	19.92004515	3.503851603	168.7039657	1.343220269	0.111552249	0.246786748
WV1004182	055	2004 to 2005	20.76356509	19.92004515	3.503851603	168.7039657	1.343220269	0.111552249	0.246786748
WV1004182	056	2003 to 2004	9.949207785	11.14419422	1.562674483	95.16633442	0.643626347	0.062407485	0.110063837
WV1004182	056	2004 to 2005	9.949207785	11.14419422	1.562674483	95.16633442	0.643626347	0.062407485	0.110063837
WV1004182	057	2003 to 2004	6.056039679	18.24381946	2.465673285	128.6908421	0.39177257	0.102165385	0.173664744

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1004182	057	2004 to 2005	1.479403933	2.335900947	0.25954455	90.84059239	0.095704439	0.013081045	0.018280499
WV1004182	058	2003 to 2004	6.921188085	10.18712373	1.3626089	49.74603892	0.447740072	0.057047891	0.09597262
WV1004182	058	2004 to 2005	6.921188085	10.18712373	1.3626089	49.74603892	0.447740072	0.057047891	0.09597262
WV1004182	059	2003 to 2004	4.325742588	5.645094117	1.276094052	10.81435647	0.279837547	0.031612526	0.089879121
WV1004182	059	2004 to 2005	4.325742588	5.645094117	1.276094052	10.81435647	0.279837547	0.031612526	0.089879121
WV1004182	060	2003 to 2004	4.325742588	6.16418316	1.687039643	62.72326851	0.279837547	0.034519424	0.118823248
WV1004182	060	2004 to 2005	4.325742588	6.16418316	1.687039643	62.72326851	0.279837547	0.034519424	0.118823248
WV1004182	061	2003 to 2004	6.056039679	8.262168394	1.29772279	49.74604032	0.39177257	0.046268141	0.091402497
WV1004182	061	2004 to 2005	6.056039679	8.262168394	1.29772279	49.74604032	0.39177257	0.046268141	0.091402497
WV1004182	078	2003 to 2004	14.71401403	15.64837457	10.23038155	382.8282375	0.951867456	0.087630894	0.72055637
WV1004182	078	2004 to 2005	9.447422336	17.25971388	0.605603996	666.1643955	0.611165237	0.096654394	0.042654501
WV1004182	079	2003 to 2004	20.1147039	11.67950549	3.244307081	194.6584249	1.30124465	0.065405228	0.228506251
WV1004182	079	2004 to 2005	20.1147039	11.67950549	3.244307081	194.6584249	1.30124465	0.065405228	0.228506251
WV1004182	080	2003 to 2004	10.38178227	4.88808915	4.54202978	99.49208065	0.671610117	0.027373298	0.319908742
WV1004182	080	2004 to 2005	10.38178227	4.88808915	4.54202978	99.49208065	0.671610117	0.027373298	0.319908742
WV1004182	082	2003 to 2004	15.89142676	36.28351736	21.74631911	477.453843	1.028035717	0.20318769	1.531658293
WV1004182	082	2004 to 2005	18.04562231	139.4560478	122.0881893	1069.244951	1.167393246	0.78095384	8.59903631
WV1004182	083	2003 to 2004	3.460594182	9.430119147	3.114534764	302.801991	0.223870045	0.052808665	0.219365998
WV1004182	083	2004 to 2005	1.747600062	12.11207964	1.038178255	363.3623892	0.113054373	0.067827644	0.073121999
WV1004182	084	2003 to 2004	4.758317071	5.67753742	1.811404803	65.42686007	0.307821316	0.031794208	0.127582658
WV1004182	084	2004 to 2005	0.831263561	1.225627106	1.384237673	10.81435682	0.05377545	0.006863512	0.097495999
WV1004182	087	2003 to 2004	3.26615194	6.54138796	4.868623269	71.80732848	0.21129134	0.036631771	0.342911698
WV1004182	087	2004 to 2005	1.970736224	14.95012692	9.642945447	219.6471506	0.127489322	0.083720708	0.679181488
WV1004247	001	2003 to 2004	55.31976037	0	0	0	3.578702554	0	0
WV1004247	001	2004 to 2005	44.61441086	0	0	1405.255324	2.886160478	0	0
WV1004247	002	2003 to 2004	43.61970748	0	0	0	2.821811907	0	0
WV1004247	002	2004 to 2005	187.2715926	0	52.54967589	1720.981101	12.114827	0	3.701230838
WV1004280	015	2003 to 2004	1.557267298	0.389316825	0.129772275	90.84059239	0.100741515	0.002180174	0.009140249
WV1004280	015	2004 to 2005	1.557267298	0.389316825	0.129772275	90.84059239	0.100741515	0.002180174	0.009140249
WV1004280	016	2003 to 2004	4.181551168	1.514009906	0.216287129	259.5445553	0.270509629	0.008478455	0.015233749
WV1004280	016	2004 to 2005	9.684256225	2.135835406	0.329837872	308.2091598	0.626486309	0.011960678	0.023231468

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1004328	001	2003 to 2004	12.24816031	47.36237674	36.38129866	704.1160137	0.792348382	0.2652293	2.562443674
WV1004328	001	2004 to 2005	7.468214475	36.93733608	23.82132391	315.5088578	0.483127874	0.206849075	1.677807087
WV1004328	002	2003 to 2004	1.208909888	2.229717556	0.215273285	27.85879622	0.07820585	0.012486418	0.015162341
WV1004328	002	2004 to 2005	3.74886438	3.744471048	0.267317383	21.18938039	0.242518594	0.020969037	0.018827963
WV1004361	001	2003 to 2004	0	0	0	0	0	0	0
WV1004361	001	2004 to 2005	0	30.61414508	0	0	0	0.171439206	0
WV1004361	002	2003 to 2004	0	0	0	0	0	0	0
WV1004361	002	2004 to 2005	0	76.55951699	0	0	0	0.42873328	0
WV1004361	DLF	2003 to 2004	24457.22129	8280.534611	4145.396517	789.2000122	1582.167379	46.37099217	291.9726747
WV1004361	DLF	2004 to 2005	8749.848195	3391.436484	1204.19691	789.2000122	566.0383174	18.99204364	84.81518988
WV1004361	ULF-11	2003 to 2004	3006.390612	1610.568701	419.5750052	789.2000122	194.4870637	9.019184402	29.55192247
WV1004361	ULF-11	2004 to 2005	1645.815555	826.6145614	215.7705834	789.2000122	106.4698092	4.629041379	15.19736752
WV1004387	005	2003 to 2004	58.11555962	64.93004622	669.8331059	949.7979115	3.759566206	0.363608246	47.17834898
WV1004387	005	2004 to 2005	11.27554376	68.53778649	88.58264733	154.9156569	0.729428634	0.383811591	6.239140784
WV1004387	010	2003 to 2004	30.65095096	87.24729222	76.14541737	703.6253088	1.982847282	0.488584819	5.36314948
WV1004387	010	2004 to 2005	3.862427513	24.98586973	13.25649851	95.15132066	0.249865132	0.139920866	0.933694838
WV1004387	017	2003 to 2004	14.75032275	46.1194368	215.4925741	634.4427037	0.954216311	0.258268837	15.17778649
WV1004387	017	2004 to 2005	3.08530585	31.03101392	20.42068828	95.94136128	0.199592186	0.173773672	1.43829015
WV1004387	070	2003 to 2004	0	0.002595446	0.00302802	0	0	1.45345E-05	0.000213272
WV1004387	070	2004 to 2005	0	0.002595446	0.00302802	0	0	1.45345E-05	0.000213272
WV1004492	001	2003 to 2004	495.4958025	804.3286003	187.1496549	14034.69196	32.05422586	4.504240001	13.18150992
WV1004492	001	2004 to 2005	177.4816191	592.5546565	288.3467994	16430.2523	11.48150171	3.318305958	20.30912747
WV1004492	003	2003 to 2004	19.46584114	118.9579181	8.651484952	2524.070735	1.259268929	0.666164318	0.60934996
WV1004492	003	2004 to 2005	19.46584114	118.9579181	8.651484952	2524.070735	1.259268929	0.666164318	0.60934996
WV1004531	004	2003 to 2004	178.2205951	157.1434144	43.0843964	1706.505458	11.52930697	0.880003089	3.034562895
WV1004531	004	2004 to 2005	143.2731027	262.5815913	44.56416138	5802.352945	9.268511198	1.470456859	3.138787168
WV1004531	005	2003 to 2004	24.22415984	108.4031153	19.98493186	2967.45958	1.56709035	0.607057424	1.407598522
WV1004531	005	2004 to 2005	24.22415984	108.4031153	19.98493186	2967.45958	1.56709035	0.607057424	1.407598522
WV1004531	007	2003 to 2004	346.0593981	224.9386088	43.25742476	1730.29699	22.38700319	1.259656164	3.0467498
WV1004531	007	2004 to 2005	67.51042428	105.4760258	15.46453001	3759.791326	4.367331423	0.590665724	1.0892131
WV1004531	008	2003 to 2004	17.30297035	97.54549536	13.40980202	389.3168329	1.119350188	0.546254755	0.944492462

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1004531	008	2004 to 2005	17.30297035	97.54549536	13.40980202	389.3168329	1.119350188	0.546254755	0.944492462
WV1004531	010	2003 to 2004	17.30297035	25.30559414	4.109455459	151.4009906	1.119350188	0.141711322	0.289441238
WV1004531	010	2004 to 2005	1.124693073	4.433886153	1.081435647	118.9579212	0.072757762	0.024829762	0.076168747
WV1004531	012	2003 to 2004	13.13295421	19.20629668	1.557267298	2699.263317	0.849586775	0.107555258	0.109682993
WV1004531	012	2004 to 2005	13.13295421	19.20629668	1.557267298	2699.263317	0.849586775	0.107555258	0.109682993
WV1004531	013	2003 to 2004	17.30297035	25.08930701	4.974603976	237.9158423	1.119350188	0.140500114	0.350376236
WV1004531	013	2004 to 2005	3.910471426	7.267247783	0.692118836	69.21188365	0.252973151	0.040696586	0.048748
WV1004531	015	2003 to 2004	19.89841557	29.35016297	5.472064282	174.1111362	1.287252695	0.164360907	0.385413853
WV1004531	015	2004 to 2005	5.104376254	7.786336659	0.865148518	86.51485176	0.330208306	0.043603484	0.060934998
WV1004531	016	2003 to 2004	18.16811876	27.47927962	5.450435627	45.4202969	1.17531769	0.15388396	0.383890482
WV1004531	016	2004 to 2005	11.67950499	9.084059435	7.786336659	865.1485176	0.755561377	0.050870731	0.548414978
WV1004531	017	2003 to 2004	26.30051556	179.4231537	26.37405299	992.7579489	1.701412327	1.004769625	1.857603431
WV1004531	017	2004 to 2005	9.153271162	148.243196	52.73080126	596.9524671	0.59213624	0.830161868	3.713988039
WV1004573	002	2003 to 2004	173.159477	0	0	0	11.20189709	0	0
WV1004573	002	2004 to 2005	49.5255149	0	0	0	3.20386577	0	0
WV1004590	002	2003 to 2004	12.21301364	0.367688121	0.108143565	30.2801984	0.7900747	0.002059053	0.007616875
WV1004590	002	2004 to 2005	12.21301364	9.462562308	0.34605942	319.0235286	0.7900747	0.052990347	0.024374
WV1004590	003	2003 to 2004	27.64149454	0.259544564	0.086514855	60.56039819	1.788161887	0.00145345	0.0060935
WV1004590	003	2004 to 2005	27.64149454	9.53105282	0.259544554	363.3623761	1.788161887	0.053373894	0.018280499
WV1004611	002	2003 to 2004	188.3500422	207.1392666	20.58188339	8953.530179	12.18459322	1.159979852	1.449643603
WV1004611	002	2004 to 2005	16.79830074	20.14804779	3.292070409	530.8046733	1.086702497	0.112829064	0.231870365
WV1004671	001	2003 to 2004	19.0950634	15.11229042	1.755015545	233.2811139	1.235282866	0.084628823	0.123610994
WV1004671	001	2004 to 2005	19.0950634	15.11229042	1.755015545	233.2811139	1.235282866	0.084628823	0.123610994
WV1004671	002	2003 to 2004	139.3282416	100.345433	15.28068611	2568.901288	9.013313341	0.561934405	1.076264424
WV1004671	002	2004 to 2005	66.52030971	49.34831286	4.3185331	2474.565139	4.303279707	0.276350542	0.304167202
WV1004671	005	2003 to 2004	123.5630375	150.4673552	36.80756431	1531.763516	7.993443116	0.842617159	2.592466838
WV1004671	005	2004 to 2005	95.52681787	123.2115708	37.99444002	500.1639943	6.179745985	0.689984772	2.676062044
WV1004671	006	2003 to 2004	21.45568315	5.182239555	1.072784157	174.3274228	1.387994228	0.02902054	0.075559397
WV1004671	006	2004 to 2005	21.45568315	5.182239555	1.072784157	174.3274228	1.387994228	0.02902054	0.075559397
WV1004671	007	2003 to 2004	136.2248476	61.9455368	10.54670145	1931.263879	8.812551007	0.346894994	0.742835726
WV1004671	007	2004 to 2005	96.24777506	177.9952957	11.22890695	3782.771836	6.226385582	0.996773621	0.7908855

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1004727	011	2003 to 2004	68.3961718	0	139.8945192	0	4.424631507	0	9.85318938
WV1004727	011	2004 to 2005	75.42325666	0	223.5642121	0	4.879222169	0	15.74629609
WV1004751	001	2003 to 2004	66.95288342	39.35668836	7.813372599	1054.183501	4.331263426	0.220397447	0.5503192
WV1004751	001	2004 to 2005	44.62724531	16.78838754	3.231690263	728.0765608	2.886990755	0.094014967	0.227617611
WV1004751	004	2003 to 2004	62.23170682	59.3176473	7.338442168	1229.682464	4.025844773	0.332178813	0.51686843
WV1004751	004	2004 to 2005	9.776178467	7.691170479	0.744027742	627.3408355	0.63243287	0.043070553	0.052404099
WV1004751	006	2003 to 2004	96.72950494	60.40539176	6.366051313	2205.678148	6.257549274	0.338270182	0.448380033
WV1004751	006	2004 to 2005	42.07767861	20.76258164	2.566935021	1144.06062	2.722056186	0.116270453	0.180796911
WV1004760	003	2003 to 2004	0	0	0	0	0	0	0
WV1004760	003	2004 to 2005	0	0	0	0	0	0	0
WV1004760	006	2003 to 2004	6.056039623	0	0	0	0.391772566	0	0
WV1004760	006	2004 to 2005	6.056039623	0	0	0	0.391772566	0	0
WV1004760	028	2003 to 2004	4.217598981	0	0	57640.51941	0.272841606	0	0
WV1004760	028	2004 to 2005	4.217598981	0	0	57640.51941	0.272841606	0	0
WV1004760	029	2003 to 2004	23.79158423	0	0	0	1.539106509	0	0
WV1004760	029	2004 to 2005	378.7187666	0	0	3271.883595	24.49977744	0	0
WV1004905	001	2003 to 2004	103.3852501	67.29774199	5.262986931	3615.239463	6.688117523	0.376867342	0.37068791
WV1004905	001	2004 to 2005	54.81895684	48.61938059	3.256104477	980.1739795	3.546304964	0.272268522	0.229337177
WV1004948	002	2003 to 2004	15.69163146	0	0	0	1.015110716	0	0
WV1004948	002	2004 to 2005	361.7402146	0	477.0482875	11706.54058	23.40141427	0	33.59993764
WV1004948	005	2003 to 2004	78.75735678	0	0	0	5.09490916	0	0
WV1004948	005	2004 to 2005	65.50364088	0	0	7541.87845	4.237510165	0	0
WV1004948	006	2003 to 2004	69.26595242	0	0	0	4.480898672	0	0
WV1004948	006	2004 to 2005	38.22102703	0	0	0	2.472564706	0	0
WV1004948	DBF	2003 to 2004	753.2503497	369.6629623	192.0572058	789.2000122	48.72868089	2.070112515	13.52716341
WV1004948	DBF	2004 to 2005	2839.748207	1931.58865	1186.883831	789.2000122	183.7067639	10.81689605	83.59577797
WV1004948	DRFBF	2003 to 2004	299.9021474	231.2785938	32.20369943	789.2000122	19.40103452	1.295160079	2.268202865
WV1004948	DRFBF	2004 to 2005	699.7878671	336.5046192	558.0310273	789.2000122	45.27012789	1.8844258	39.30379421
WV1004948	UBBBF	2003 to 2004	324.2560385	77.9250016	22.78206036	789.2000122	20.97651734	0.436379993	1.604608647
WV1004948	UBBBF	2004 to 2005	1764.256426	111.9451127	1509.81165	789.2000122	114.1318931	0.626892609	106.34055
WV1004948	UBF	2003 to 2004	235.7166535	298.8592082	45.39584381	789.2000122	15.24879689	1.673611506	3.197365049

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1004948	UBF	2004 to 2005	704.7067262	173.6484876	654.4179203	789.2000122	45.58833487	0.972431496	46.09261135
WV1004948	URC1	2003 to 2004	629.4838609	367.0209345	103.1503087	789.2000122	40.72207626	2.05531716	7.26518474
WV1004948	URC1	2004 to 2005	12664.41448	3040.175293	782.0815868	789.2000122	819.2763695	17.02498103	55.0843452
WV1004948	URHC2	2003 to 2004	360.8561747	1598.708389	84.6560628	789.2000122	23.34422465	8.952766661	5.962579691
WV1004948	URHC2	2004 to 2005	1486.141102	1051.437385	355.3386558	789.2000122	96.14027464	5.888049148	25.02756427
WV1004956	001	2003 to 2004	5943.296458	1655.775337	910.8247667	171624.561	384.4790735	9.272341557	64.15211241
WV1004956	001	2004 to 2005	4496.861775	844.7202023	219.6936531	139039.1006	290.9074553	4.730432964	15.47368104
WV1004956	002	2003 to 2004	2143.246916	877.9275077	303.5662035	22221.34029	138.6492487	4.916393868	21.38107561
WV1004956	002	2004 to 2005	1384.515224	455.7602487	137.4612879	22001.44799	89.56597304	2.552257302	9.681809623
WV1004956	003	2003 to 2004	9.449344463	19.71577333	1.427495056	229.7449948	0.611289581	0.110408327	0.100542746
WV1004956	003	2004 to 2005	7.285786312	1.872428557	0.222466758	91.45855734	0.471326374	0.0104856	0.015668999
WV1004956	006	2003 to 2004	11.05659823	7.24129323	1.098738643	294.1505027	0.715264781	0.040551241	0.077387449
WV1004956	006	2004 to 2005	10.23759123	15.1400996	1.98984166	536.3920955	0.662282223	0.084784555	0.140150499
WV1004956	015	2003 to 2004	41.68442902	20.98378432	4.349337575	721.6125189	2.696616392	0.117509188	0.306336853
WV1004956	015	2004 to 2005	23.44119951	14.75510829	3.019368413	889.8052511	1.516439695	0.082628604	0.212663148
WV1004981	003	2003 to 2004	47.87299305	14.89353175	109.0087122	642.3727729	3.096962122	0.083403775	7.67780962
WV1004981	003	2004 to 2005	30.2801987	7.772818809	38.9992737	260.2204595	1.958862867	0.043527784	2.746835485
WV1004981	004	2003 to 2004	48.4396653	27.79289571	50.9096647	1055.91375	3.133620839	0.15564021	3.585719945
WV1004981	004	2004 to 2005	29.59528881	7.169017149	132.9940568	202.3185856	1.914555214	0.040146495	9.367169181
WV1004981	006	2003 to 2004	44.1225744	18.81698026	40.66198033	259.5445553	2.85434298	0.105375086	2.863944886
WV1004981	006	2004 to 2005	6.461578036	2.507578914	40.66198033	35.48460726	0.418007339	0.014042441	2.863944886
WV1004981	BBDS	2003 to 2004	1347.334484	720.7846842	140.4030746	789.2000122	87.16070578	4.036394087	9.889008459
WV1004981	BBDS	2004 to 2005	1347.334484	720.7846842	140.4030746	789.2000122	87.16070578	4.036394087	9.889008459
WV1004981	EFDSBW	2003 to 2004	71864.42896	79905.59564	16123.52831	789.2000122	4648.997279	447.4713196	1135.628321
WV1004981	EFDSBW	2004 to 2005	26373.08286	24038.11599	6145.245129	789.2000122	1706.106793	134.6134448	432.8279936
WV1004981	EFDSMB	2003 to 2004	80359.94276	132268.1348	50099.87331	789.2000122	5198.582395	740.7015287	3528.683915
WV1004981	EFDSMB	2004 to 2005	37803.57053	26771.81114	18122.95584	789.2000122	2445.558937	149.9221371	1276.453981
WV1004981	EFUSBW	2003 to 2004	46622.73849	127253.6139	12430.00692	789.2000122	3016.081635	712.6202126	875.4825631
WV1004981	EFUSBW	2004 to 2005	29552.17248	34482.67668	9330.073592	789.2000122	1911.765966	193.1029825	657.1449873
WV1004981	EFUSMB	2003 to 2004	69577.88232	123478.4818	45601.41547	789.2000122	4501.077797	691.4794733	3211.844076
WV1004981	EFUSMB	2004 to 2005	36673.93847	34601.80718	17420.42278	789.2000122	2372.481666	193.7701133	1226.972477

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1004981	FBDS	2003 to 2004	708.513379	305.8732613	426.8786948	789.2000122	45.83459186	1.712890202	30.06634318
WV1004981	FBDS	2004 to 2005	590.5645171	433.6358143	609.1612325	789.2000122	38.20433659	2.428360473	42.90504748
WV1004981	MBDS	2003 to 2004	4096.809962	6870.764555	7240.197343	789.2000122	265.0276171	38.47628014	509.9487528
WV1004981	MBDS	2004 to 2005	1494.490221	865.890894	2218.359986	789.2000122	96.68038931	4.848988833	156.2457285
WV1005006	DHB	2003 to 2004	4215.050937	1236.000725	671.5345025	789.2000122	272.6767696	6.921603814	47.29818343
WV1005006	DHB	2004 to 2005	17218.25437	2079.348407	26810.34347	789.2000122	1113.869808	11.64435067	1888.332675
WV1005049	002	2003 to 2004	96.87068352	112.2097673	18.10755915	2873.556319	6.266682288	0.628374675	1.275369547
WV1005049	002	2004 to 2005	96.87068352	112.2097673	18.10755915	2873.556319	6.266682288	0.628374675	1.275369547
WV1005049	006	2003 to 2004	76.64975618	176.5101229	10.67376972	4859.075979	4.958565915	0.988456653	0.751785525
WV1005049	006	2004 to 2005	30.63412258	37.41767344	2.969032405	1479.757897	1.981758633	0.209538964	0.209117832
WV1005049	007	2003 to 2004	131.0429661	252.5963344	24.98116329	6026.300199	8.477328796	1.414539422	1.759498044
WV1005049	007	2004 to 2005	19.68212906	31.33073604	6.179632429	1352.165349	1.273260857	0.175452116	0.435249994
WV1005049	009	2003 to 2004	42.52745694	57.93899597	1.297722776	1306.806838	2.751152892	0.324458366	0.091402496
WV1005049	009	2004 to 2005	133.0165919	310.3720477	44.33886396	13301.65919	8.605005044	1.738083405	3.122918797
WV1005049	010	2003 to 2004	16646.685	13723.78815	9819.455679	231304.5774	1076.894291	76.85321088	691.6136314
WV1005049	010	2004 to 2005	360.9674974	736.8666709	103.0195281	39144.43215	23.35142625	4.12645321	7.255973476
WV1005057	001	2003 to 2004	1741.976504	530.0332288	226.5391357	938.6861321	112.6905779	2.968185975	15.95582886
WV1005057	001	2004 to 2005	146.0351212	55.18566124	29.23769446	676.0174502	9.447189534	0.309039692	2.059298265
WV1005111	001	2003 to 2004	103.0616298	209.2253571	357.5834592	3539.40376	6.66718213	1.171661958	25.18567249
WV1005111	001	2004 to 2005	103.0616298	209.2253571	357.5834592	3539.40376	6.66718213	1.171661958	25.18567249
WV1005120	001	2003 to 2004	83.82027672	0	0	4555.322476	5.422435606	0	0
WV1005120	001	2004 to 2005	245.1241104	0	0	0	15.85737671	0	0
WV1005120	002	2003 to 2004	183.1050853	0	0	5603.639132	11.84529058	0	0
WV1005120	002	2004 to 2005	312.3276357	0	0	0	20.20485447	0	0
WV1005120	003	2003 to 2004	13.86040037	0	0	0	0.896646151	0	0
WV1005120	003	2004 to 2005	147.7689063	0	0	1085.0837	9.559350199	0	0
WV1005120	005	2003 to 2004	13.66541424	0	0	0	0.884032261	0	0
WV1005120	005	2004 to 2005	41.11410755	0	0	213.2266703	2.659721602	0	0
WV1005120	006	2003 to 2004	68.51976179	0	0	0	4.432626693	0	0
WV1005120	006	2004 to 2005	68.51976179	0	0	0	4.432626693	0	0
WV1005138	002	2003 to 2004	0	562.3465685	183.8440705	18654.76597	0	3.149140671	12.94868772

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1005138	002	2004 to 2005	0	158.4303292	67.58973089	3136.163474	0	0.887209812	4.760546893
WV1005138	019	2003 to 2004	2194.791742	58.90825905	28.97510289	2316.336907	141.9837461	0.329886239	2.040803155
WV1005138	019	2004 to 2005	2194.791742	1165.578133	81.61459897	119832.5368	141.9837461	6.527237314	5.748360298
WV1005171	002	2003 to 2004	38.24000168	0.648861388	19.68212878	173.0297035	2.473792315	0.003633624	1.386271195
WV1005171	002	2004 to 2005	38.24000168	0.648861388	19.68212878	173.0297035	2.473792315	0.003633624	1.386271195
WV1005171	003	2003 to 2004	38.24000168	1.038178255	31.14534764	346.0594182	2.473792315	0.005813798	2.193659984
WV1005171	003	2004 to 2005	38.24000168	1.730297091	0.173029709	259.5445637	2.473792315	0.009689663	0.012187
WV1005171	004	2003 to 2004	15.38522487	5.938064866	1.026380751	1797.14943	0.995288901	0.033253162	0.072291066
WV1005171	004	2004 to 2005	15.38522487	6.697691628	1.723087512	1746.879103	0.995288901	0.037507072	0.121362207
WV1005171	006	2003 to 2004	6.542685799	7.561398086	7.647912946	203.3099033	0.423254299	0.042343828	0.538665382
WV1005171	006	2004 to 2005	6.542685799	7.561398086	7.647912946	203.3099033	0.423254299	0.042343828	0.538665382
WV1005201	005	2003 to 2004	38.24000168	0	0	0	2.473792315	0	0
WV1005201	005	2004 to 2005	38.24000168	0	0	701.5568021	2.473792315	0	0
WV1005251	001	2003 to 2004	88.77210517	47.77979485	27.46846623	3680.027309	5.742775408	0.267566842	1.934686229
WV1005251	001	2004 to 2005	16.29920203	5.329511661	4.719975147	382.5332934	1.054415195	0.029845264	0.332441966
WV1005251	003	2003 to 2004	14249.05974	4255.315785	109.1817469	37210.89304	921.788998	23.82976754	7.689996974
WV1005251	003	2004 to 2005	34.60812834	16.62048621	3.029061947	1574.802331	2.238841897	0.093074719	0.213345892
WV1005251	004	2003 to 2004	3.747666128	1.285925319	0.125839786	358.6433892	0.242441078	0.007201182	0.008863272
WV1005251	004	2004 to 2005	1.000027566	0.339150238	0.259093954	45.05981984	0.064692999	0.001899241	0.018248762
WV1005251	052	2003 to 2004	7.078488055	2.725217908	0.880878517	311.8467267	0.457915998	0.01526122	0.062042908
WV1005251	052	2004 to 2005	3.851832878	0.928196211	0.805315614	57.27578142	0.249179752	0.005197899	0.056720787
WV1005251	053	2003 to 2004	6.635689229	66.77648913	7.730102107	612.9577322	0.429270804	0.373948326	0.544454211
WV1005251	053	2004 to 2005	0.79305281	0.764214521	0.302801977	196.10033	0.05130355	0.004279601	0.021327249
WV1005278	001	2003 to 2004	2.906899075	1.825463416	0.397968323	31.14534708	0.188050835	0.010222595	0.028030099
WV1005278	001	2004 to 2005	1.9033268	0.670490123	0.288382849	28.83828485	0.123128525	0.003754745	0.020311667
WV1005278	003	2003 to 2004	10.16549541	1.297722818	2.350320216	23.07062788	0.657618257	0.007267248	0.165540082
WV1005278	003	2004 to 2005	6.012782392	1.535638668	1.146321823	64.88614092	0.388974203	0.008599576	0.080738874
WV1005278	004	2003 to 2004	8.002623924	17.23499436	0.889867044	145.2213571	0.517699471	0.096515965	0.062675997
WV1005278	004	2004 to 2005	8.002623924	17.23499436	0.889867044	145.2213571	0.517699471	0.096515965	0.062675997
WV1005278	006	2003 to 2004	2.444044641	3.509258788	1.860069373	28.11732773	0.158108219	0.019651849	0.131010249
WV1005278	006	2004 to 2005	1.12949949	2.383964881	1.06701654	24.03190404	0.073068695	0.013350203	0.075153166



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1005278	009	2003 to 2004	9.610357917	2.64591252	1.723087443	83.63102234	0.621705737	0.01481711	0.121362202
WV1005278	009	2004 to 2005	7.042309097	2.932853439	0.631558428	87.38000241	0.455575537	0.016423979	0.044482549
WV1005278	012	2003 to 2004	79.5558145	26.84664032	17.50844334	1347.468813	5.14656236	0.15034118	1.233172028
WV1005278	012	2004 to 2005	30.94141925	22.26521534	7.971725786	658.1308514	2.001638029	0.124685201	0.561472489
WV1005278	015	2003 to 2004	8.435198047	9.516633694	0.648861388	173.0297035	0.545683217	0.053293147	0.045701248
WV1005278	015	2004 to 2005	8.435198047	9.516633694	0.648861388	173.0297035	0.545683217	0.053293147	0.045701248
WV1005359	005	2003 to 2004	38.24000168	6.862790758	3.460594149	355.1434748	2.473792315	0.038431627	0.243739996
WV1005359	005	2004 to 2005	38.24000168	6.862790758	3.460594149	355.1434748	2.473792315	0.038431627	0.243739996
WV1005391	001	2003 to 2004	346.7875811	220.1658828	143.5533779	8837.131813	22.43411023	1.2329289	10.11089374
WV1005391	001	2004 to 2005	564.5022071	246.4051166	87.24301953	6288.54835	36.51833407	1.379868604	6.144786791
WV1005391	004	2003 to 2004	233.4891686	103.853872	39.1371565	3372.637342	15.10469818	0.581581663	2.756546983
WV1005391	004	2004 to 2005	153.8702702	52.51451554	16.63968967	2260.560986	9.95405485	0.294081277	1.171983109
WV1005391	005	2003 to 2004	476.3832234	301.9837002	87.97118696	6116.960618	30.81780989	1.691108661	6.196073801
WV1005391	005	2004 to 2005	209.8597992	151.1234239	41.49108131	3723.022479	13.57608555	0.846291143	2.922340948
WV1005391	069	2003 to 2004	70.0481928	26.41586857	7.836803724	1201.114553	4.531502754	0.147928859	0.551969524
WV1005391	069	2004 to 2005	82.97134928	53.21384449	7.811570322	1785.450285	5.367517458	0.297997518	0.550192261
WV1005448	001	2003 to 2004	67.30855593	53.63920861	139.8656789	519.089118	4.354272314	0.300379558	9.851158075
WV1005448	001	2004 to 2005	67.30855593	53.63920861	139.8656789	519.089118	4.354272314	0.300379558	9.851158075
WV1005448	002	2003 to 2004	155.7267406	77.13340093	51.85484163	2817.139977	10.07415218	0.43194703	3.652291583
WV1005448	002	2004 to 2005	49.53335884	43.32952315	11.84172075	814.6815459	3.204373204	0.242645321	0.834047809
WV1005448	003	2003 to 2004	389.3168408	537.4735353	155.7267309	1514.009956	25.18537974	3.009851691	10.96829941
WV1005448	003	2004 to 2005	34.11929504	186.0501894	25.15419322	2110.241451	2.207218677	1.041881024	1.771685059
WV1005448	008	2003 to 2004	63.89739931	83.39104889	23.96615955	1381.920287	4.133600445	0.466989857	1.688008295
WV1005448	008	2004 to 2005	11.32912023	43.01951178	14.79404026	798.0995414	0.732894561	0.240909257	1.041988501
WV1005448	009	2003 to 2004	38.24000168	31.18000031	19.95000076	789.2000122	2.473792315	0.174607992	1.405138254
WV1005448	009	2004 to 2005	38.24000168	31.18000031	19.95000076	789.2000122	2.473792315	0.174607992	1.405138254
WV1005448	012	2003 to 2004	34.60594182	14.8156688	3.893168441	1157.136188	2.238700449	0.082967742	0.274207497
WV1005448	012	2004 to 2005	34.60594182	14.8156688	3.893168441	1157.136188	2.238700449	0.082967742	0.274207497
WV1005481	001	2003 to 2004	46.71802006	30.78576899	0.865148518	1388.563358	3.022245515	0.1724003	0.060934998
WV1005481	001	2004 to 2005	46.71802006	30.78576899	0.865148518	1388.563358	3.022245515	0.1724003	0.060934998
WV1005481	004	2003 to 2004	6.20023122	29.82599617	6.802230363	72.81666931	0.401100496	0.167025573	0.479101429

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1005481	004	2004 to 2005	6.20023122	29.82599617	6.802230363	72.81666931	0.401100496	0.167025573	0.479101429
WV1005481	006	2003 to 2004	119.6788799	73.54663673	22.52990987	1212.109121	7.742172244	0.411861151	1.586848934
WV1005481	006	2004 to 2005	119.6788799	73.54663673	22.52990987	1212.109121	7.742172244	0.411861151	1.586848934
WV1005545	DHB	2003 to 2004	0	662.1036257	0	0	0	3.707780172	0
WV1005545	DHB	2004 to 2005	0	662.1036257	0	0	0	3.707780172	0
WV1005588	008	2003 to 2004	28.98247601	11.0306438	1.081435675	324.4307025	1.874911609	0.061771603	0.076168749
WV1005588	008	2004 to 2005	28.98247601	11.0306438	1.081435675	324.4307025	1.874911609	0.061771603	0.076168749
WV1005588	009	2003 to 2004	52.70196492	12.18417521	4.244634995	908.4059603	3.409354183	0.068231379	0.298962338
WV1005588	009	2004 to 2005	57.07577172	10.76629294	4.244634995	969.6873225	3.692301062	0.060291238	0.298962338
WV1005651	001	2003 to 2004	9.440068161	8.412704305	0	208.3493945	0.610689486	0.047111142	0
WV1005651	001	2004 to 2005	33.25709602	30.77962511	0	594.3963643	2.151441974	0.172365894	0
WV1005651	002	2003 to 2004	13.69818494	15.19777577	0	340.4719935	0.886152237	0.085107541	0
WV1005651	002	2004 to 2005	13.94691529	17.52286245	0	411.8467491	0.902242906	0.098128026	0
WV1005677	001	2003 to 2004	1.662469372	2.215472294	2.994625019	2.923480999	0.107547165	0.012406644	0.210920396
WV1005677	001	2004 to 2005	1.662469372	2.215472294	2.994625019	2.923480999	0.107547165	0.012406644	0.210920396
WV1005685	002	2003 to 2004	2.941505055	0.605603982	0.778633691	25.95445637	0.190289538	0.003391382	0.0548415
WV1005685	002	2004 to 2005	2.941505055	0.605603982	0.778633691	25.95445637	0.190289538	0.003391382	0.0548415
WV1005685	DUTBF2	2003 to 2004	726.724779	1537.80155	352.548036	20601.34955	47.01270947	8.611688371	24.83101257
WV1005685	DUTBF2	2004 to 2005	1818.434086	2599.591118	672.6529865	20601.34955	117.6367118	14.55770974	47.3769616
WV1005685	UUTBF1	2003 to 2004	379.5839081	290.9061882	102.736386	8110.76768	24.5557445	1.629074596	7.236030932
WV1005685	UUTBF1	2004 to 2005	659.1350484	400.3114425	105.8004574	8110.76768	42.64024763	2.241743998	7.451842642
WV1005758	002	2003 to 2004	48.87188068	54.66657372	0	1061.158766	3.161581377	0.306132802	0
WV1005758	002	2004 to 2005	90.95775214	91.11095557	0	1454.981581	5.884167568	0.510221333	0
WV1005758	003	2003 to 2004	89.49781539	116.4165518	0	1999.754823	5.789722485	0.651932667	0
WV1005758	003	2004 to 2005	159.9263093	147.6520155	0	2145.297982	10.34582738	0.826851257	0
WV1005855	001	2003 to 2004	5.750834603	10.26402614	0.865148518	789.2000122	0.372028482	0.057478544	0.060934998
WV1005855	001	2004 to 2005	10.42984604	13.63570184	0.865148518	789.2000122	0.67471942	0.076359928	0.060934998
WV1005880	001	2003 to 2004	75.19132142	16.08860861	4.364365433	943.5526283	4.864217997	0.090096205	0.30739531
WV1005880	001	2004 to 2005	67.63478975	21.89907258	4.364365433	925.9792978	4.375376776	0.122634802	0.30739531
WV1005880	006	2003 to 2004	30.17992004	13.606427	3.675336335	184.5322512	1.952375718	0.076195988	0.25886493
WV1005880	006	2004 to 2005	13.20973651	5.795593907	3.675336335	174.6518581	0.854553915	0.032455325	0.25886493

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1005952	001	2003 to 2004	28.11732766	13.85859823	1.557267382	477.4538547	1.81894411	0.077608147	0.109682999
WV1005952	001	2004 to 2005	28.11732766	13.85859823	1.557267382	477.4538547	1.81894411	0.077608147	0.109682999
WV1005952	002	2003 to 2004	77.43079462	39.66525831	3.639031125	1488.415966	5.009092241	0.222125439	0.256307846
WV1005952	002	2004 to 2005	77.43079462	39.66525831	3.639031125	1488.415966	5.009092241	0.222125439	0.256307846
WV1005979	001	2003 to 2004	772.2108742	1213.745745	221.9387673	50117.15478	49.95526027	6.796975932	15.63181116
WV1005979	001	2004 to 2005	750.5118509	1034.366189	134.5238399	24639.38551	48.55152407	5.792450449	9.474916379
WV1006029	005	2003 to 2004	5.407178235	2.379158423	1.081435647	789.2000122	0.349796934	0.013323287	0.076168747
WV1006029	005	2004 to 2005	5.407178235	2.379158423	1.081435647	789.2000122	0.349796934	0.013323287	0.076168747
WV1006029	006	2003 to 2004	25.39407588	31.83353369	26.09209327	299.1152775	1.642773642	0.178267782	1.837744165
WV1006029	006	2004 to 2005	30.73980878	25.6840971	15.86105648	874.4882029	1.988595602	0.143830939	1.117141645
WV1006037	001	2003 to 2004	59.47895979	29.38080372	30.71817954	773.4067117	3.847766221	0.164532495	2.163573257
WV1006037	001	2004 to 2005	59.47895979	29.38080372	30.71817954	773.4067117	3.847766221	0.164532495	2.163573257
WV1006037	003	2003 to 2004	54.81333873	24.32457771	58.44696173	465.7897832	3.545941522	0.13621763	4.116594317
WV1006037	003	2004 to 2005	54.81333873	24.32457771	58.44696173	465.7897832	3.545941522	0.13621763	4.116594317
WV1006037	005	2003 to 2004	56.15740841	21.05246217	95.49385729	1282.891649	3.632891024	0.117893784	6.725917971
WV1006037	005	2004 to 2005	56.15740841	21.05246217	95.49385729	1282.891649	3.632891024	0.117893784	6.725917971
WV1006037	007	2003 to 2004	30.85696437	18.39882554	47.91480876	821.1701455	1.99617454	0.103033419	3.374783284
WV1006037	007	2004 to 2005	30.85696437	18.39882554	47.91480876	821.1701455	1.99617454	0.103033419	3.374783284
WV1006037	012	2003 to 2004	21.72885395	23.63802056	57.92277498	251.3256468	1.405665979	0.13237291	4.079674277
WV1006037	012	2004 to 2005	23.64739274	20.29854714	31.35622684	397.4276013	1.529778586	0.11367186	2.208512837
WV1006037	013	2003 to 2004	15.25807422	32.49615872	19.95248797	195.3466066	0.987063372	0.181978482	1.405313402
WV1006037	013	2004 to 2005	16.49189358	27.14133142	19.95248797	104.3585429	1.066880646	0.151991451	1.405313402
WV1006045	001	2003 to 2004	53.27152096	80.77378111	130.0431797	455.0410889	3.446199456	0.452333158	9.15933008
WV1006045	001	2004 to 2005	335.6505877	425.8243004	224.1635898	1496.166249	21.71364459	2.384615997	15.78851206
WV1006045	007	2003 to 2004	61.85812018	212.1993076	62.91576423	1564.080406	4.001676999	1.18831608	4.431345442
WV1006045	007	2004 to 2005	79.85050589	544.5470168	92.26358536	2430.436529	5.165626305	3.049463186	6.498400258
WV1006070	001	2003 to 2004	144.7091599	408.6646273	87.55979147	5947.423079	9.361411482	2.288521831	6.167097986
WV1006070	001	2004 to 2005	115.8424854	313.4419548	61.22187419	4834.512986	7.493991216	1.755274884	4.312039701
WV1006118	001	2003 to 2004	71.3540281	50.42734574	110.3634611	290.9062016	4.615978826	0.282393126	7.773228638
WV1006118	001	2004 to 2005	31.17247296	42.50330585	93.30320576	234.0947747	2.016585174	0.238018504	6.571623832
WV1006118	006	2003 to 2004	17.13354543	5.880756901	3.764747961	172.4889854	1.108389884	0.032932237	0.265162458

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1006118	006	2004 to 2005	20.2048232	5.551369797	3.764747961	337.4980491	1.307074577	0.03108767	0.265162458
WV1006118	008	2003 to 2004	190.2868934	91.53019042	86.51484952	3168.714592	12.30989048	0.512569048	6.0934996
WV1006118	008	2004 to 2005	331.4600278	100.9339951	27.44143012	5290.022753	21.44255217	0.565230353	1.932781995
WV1006126	001	2003 to 2004	10.6701654	0.136981853	4.21759916	6.488614092	0.690265972	0.000767098	0.297058123
WV1006126	001	2004 to 2005	19.23153033	0.656070949	4.21759916	39.29216131	1.244111078	0.003673997	0.297058123
WV1006258	002	2003 to 2004	197.5368432	0	0	8173.345397	12.77889854	0	0
WV1006258	002	2004 to 2005	35.98477175	0	0	4011.360392	2.327898633	0	0
WV1006304	001	2003 to 2004	48.46634202	53.46798207	14.52728586	1810.503549	3.135346588	0.299420689	1.023200191
WV1006304	001	2004 to 2005	123.0968742	79.23974146	29.49370004	1485.499377	7.963286448	0.443742536	2.077329504
WV1006304	002	2003 to 2004	68.46464687	73.14207235	0	2278.559736	4.429061242	0.409595591	0
WV1006304	002	2004 to 2005	101.4747146	74.62807423	0	1310.339565	6.564522656	0.417917201	0
WV1006304	003	2003 to 2004	33.5785774	31.90235222	0	900.2951986	2.172238995	0.178653166	0
WV1006304	003	2004 to 2005	89.30856118	78.59333629	0	2287.68703	5.7774794	0.440122668	0
WV1006304	004	2003 to 2004	21.34033019	13.21153883	0	364.0833361	1.380531904	0.073984615	0
WV1006304	004	2004 to 2005	57.51271468	39.66902607	0	843.5198131	3.720567434	0.222146538	0
WV1006304	005	2003 to 2004	31.32558652	21.82697657	0	492.5038275	2.026490276	0.122231064	0
WV1006304	005	2004 to 2005	146.455886	89.62152484	0	1843.356282	9.474409317	0.501880521	0
WV1006304	006	2003 to 2004	40.48501824	32.54138172	0	2088.645462	2.61902505	0.182231731	0
WV1006304	006	2004 to 2005	93.11161188	49.67394561	0	1407.668772	6.023503373	0.278174086	0
WV1006428	DSUT01	2003 to 2004	86.51484952	69.21187962	25.95445486	1297.722743	5.596750796	0.387586512	1.82804988
WV1006428	DSUT01	2004 to 2005	45.63658545	47.85352888	12.00393592	940.8490367	2.952286196	0.267979752	0.845473108
WV1006428	USUTHS	2003 to 2004	12.97722743	19.46584114	9.732920571	324.4306857	0.839512619	0.109008707	0.685518705
WV1006428	USUTHS	2004 to 2005	36.98509972	42.06784738	13.19351509	519.0891218	2.392611065	0.235579937	0.929258727
WV1006509	001	2003 to 2004	3.940751426	6.488613882	0.220612873	173.0297035	0.254932001	0.036336236	0.015538424
WV1006509	001	2004 to 2005	3.940751426	0.501786133	0.220612873	33.3082181	0.254932001	0.002810002	0.015538424
WV1006509	004	2003 to 2004	0.700943322	10.15648329	0.742643478	193.6752951	0.045344876	0.056876304	0.052306601
WV1006509	004	2004 to 2005	0.700943322	10.63176204	0.742643478	313.0804246	0.045344876	0.059537865	0.052306601
WV1006509	005	2003 to 2004	2.811732645	75.34722469	5.645093958	121.8417473	0.181894403	0.421944443	0.397600851
WV1006509	005	2004 to 2005	2.811732645	75.34722469	5.645093958	121.8417473	0.181894403	0.421944443	0.397600851
WV1006584	001	2003 to 2004	34.96127059	200.297336	120.5028324	784.8133173	2.261687099	1.121665042	8.487374885
WV1006584	001	2004 to 2005	79.1340555	288.941588	248.099369	1421.186708	5.119278258	1.618072835	17.47438057

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1006584	002	2003 to 2004	76.51157203	1065.376323	807.976616	1032.771047	4.949626614	5.966107199	56.90820955
WV1006584	002	2004 to 2005	129.1388647	802.7496777	1092.698022	1989.841587	8.354150157	4.495398035	76.96198975
WV1006584	005	2003 to 2004	24.93790645	41.07292637	8.218910996	901.9173596	1.613263487	0.230008379	0.578882482
WV1006584	005	2004 to 2005	28.7586187	43.28085812	7.574735961	397.3735362	1.860430007	0.242372797	0.533511308
WV1006584	006	2003 to 2004	22.7101489	19.46584193	4.830412641	270.358916	1.469147142	0.109008711	0.340220409
WV1006584	006	2004 to 2005	36.24924254	42.52108833	9.983333261	1048.115409	2.34500757	0.238118086	0.70315602
WV1006681	001	2003 to 2004	19.26921724	16.12813798	19.43700311	275.8644043	1.24654909	0.090317569	1.369006261
WV1006681	001	2004 to 2005	30.29101213	32.76209269	43.83274949	161.9449892	1.959562401	0.183467712	3.087271641
WV1006681	002	2003 to 2004	116.9724078	90.47398862	9.420169877	3444.329352	7.56708727	0.506654318	0.663490738
WV1006681	002	2004 to 2005	98.25615763	92.81035654	118.6154732	2043.14102	6.356310292	0.519737978	8.35444253
WV1006738	001	2003 to 2004	202.3808485	50.05080747	54.76979992	514.8616738	13.09226313	0.280284512	3.857600813
WV1006738	001	2004 to 2005	143.5605818	38.47207292	52.77405957	662.0981796	9.287108569	0.215443601	3.717034851
WV1006738	002	2003 to 2004	13.19351489	19.57398521	18.76290848	133.5573024	0.853504519	0.109614313	1.32152776
WV1006738	002	2004 to 2005	11.31902644	18.52859742	15.35638619	101.6549508	0.732241581	0.103760142	1.081596207
WV1007050	001	2003 to 2004	0.25954455	17.64902938	2.517582132	12.97722748	0.016790252	0.098834561	0.177320839
WV1007050	001	2004 to 2005	0.25954455	17.64902938	2.517582132	12.97722748	0.016790252	0.098834561	0.177320839
WV1007050	003	2003 to 2004	1245.107398	4116.046683	527.5704799	57862.57807	80.54751134	23.0498606	37.15836675
WV1007050	003	2004 to 2005	1370.046921	1351.439682	818.946628	21622.35474	88.63000097	7.568061948	57.68086031
WV1007220	001	2003 to 2004	40.7147009	9.025932324	29.41505003	531.2552651	2.6338835	0.050545219	2.071789948
WV1007220	001	2004 to 2005	7.311122953	5.058029016	21.26071589	166.8500715	0.472965432	0.028324961	1.497455806
WV1007220	003	2003 to 2004	10.3601535	3.958054468	3.547108922	1535.638619	0.670210925	0.022165104	0.24983349
WV1007220	003	2004 to 2005	10.3601535	3.958054468	3.547108922	1535.638619	0.670210925	0.022165104	0.24983349
WV1007394	001	2003 to 2004	105.454726	1101.02489	478.6797985	11307.31104	6.821994431	6.165739165	33.71484984
WV1007394	001	2004 to 2005	100.1532334	396.0849585	300.0552411	3382.679156	6.479034429	2.218075688	21.13378803
WV1007424	002	2003 to 2004	0.043257427	3.395708041	0.640209924	4.325742728	0.002798376	0.019015964	0.0450919
WV1007424	002	2004 to 2005	0.043257427	3.395708041	0.640209924	4.325742728	0.002798376	0.019015964	0.0450919
WV1007424	003	2003 to 2004	0.043257427	0.990595085	0.233590107	43.25742728	0.002798376	0.005547332	0.01645245
WV1007424	003	2004 to 2005	0.043257427	0.990595085	0.233590107	43.25742728	0.002798376	0.005547332	0.01645245
WV1007432	002	2003 to 2004	0.57045732	2.811552523	2.991431298	120.3998408	0.036903578	0.015744694	0.210695453
WV1007432	002	2004 to 2005	4.175855653	3.326928663	2.680662718	164.070225	0.270141179	0.0186308	0.188807093
WV1007441	001	2003 to 2004	16.22964571	2.787400444	2.076356509	254.4077388	1.049915512	0.015609442	0.146243999

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDNR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1007441	001	2004 to 2005	61.6850906	7.038601346	9.592334368	478.9215111	3.990483505	0.039416166	0.675616798
WV1007441	005	2003 to 2004	17.82881999	3.878518714	2.465673222	134.6965291	1.153368041	0.021719704	0.173664739
WV1007441	005	2004 to 2005	566.8842334	365.4949661	2.465673222	4203.972885	36.67243025	2.046771737	0.173664739
WV1007441	016	2003 to 2004	4.604032012	0.334524101	0.201867992	35.47108995	0.297840428	0.001873335	0.014218166
WV1007441	016	2004 to 2005	4.604032012	0.334524101	0.201867992	35.47108995	0.297840428	0.001873335	0.014218166
WV1007441	DGR11	2003 to 2004	252.600962	161.7092296	166.4001505	789.2000122	16.34106333	0.905571654	11.72006027
WV1007441	DGR11	2004 to 2005	1259.725457	999.1859822	2314.860584	789.2000122	81.49317132	5.595441301	163.0425542
WV1007441	DUGR14	2003 to 2004	448.1791479	89.33379659	860.3878224	789.2000122	28.99325395	0.500269243	60.59968757
WV1007441	DUGR14	2004 to 2005	125.5485539	61.85343495	423.8427592	789.2000122	8.121888589	0.346379223	29.85251315
WV1007441	DWR3	2003 to 2004	279.665437	75.03927443	485.925085	789.2000122	18.09189713	0.420219922	34.22515704
WV1007441	DWR3	2004 to 2005	1889.888123	1214.66852	2069.16133	789.2000122	122.2591603	6.802143472	145.7372209
WV1007441	UGR12	2003 to 2004	127.8570875	205.6620797	83.04344479	789.2000122	8.271230433	1.151707605	5.848998182
WV1007441	UGR12	2004 to 2005	1168.815624	913.3372728	1467.464887	789.2000122	75.6121037	5.114688545	103.3579409
WV1007441	UWR7	2003 to 2004	757.9674497	78.06729647	400.61321	789.2000122	49.03383582	0.437176845	28.21638653
WV1007441	UWR7	2004 to 2005	1409.085957	809.2166825	391.5415094	789.2000122	91.15548364	4.531613261	27.57743953
WV1007459	001	2003 to 2004	455.3498969	10.78852227	248.985539	5199.302299	29.45713843	0.060415723	17.53679618
WV1007459	001	2004 to 2005	1251.26433	6.328201114	294.0748024	4134.689043	80.94581071	0.035437925	20.71256785
WV1007459	003	2003 to 2004	1728.49051	27.20411607	477.7314291	9847.0728	111.8181525	0.152343045	33.64805335
WV1007459	003	2004 to 2005	2171.740884	14.9220096	190.7291973	3610.192689	140.4925581	0.083563251	13.4336278
WV1007459	011	2003 to 2004	0.865148518	0.865148518	0.865148518	951.6633694	0.055967509	0.004844832	0.060934998
WV1007459	011	2004 to 2005	0.865148518	0.865148518	0.865148518	951.6633694	0.055967509	0.004844832	0.060934998
WV1007688	003	2003 to 2004	8109.945624	10.341216	7.15356	180668.1034	524.6422421	0.057910808	0.503846626
WV1007688	003	2004 to 2005	3584.137351	6.093	10.449	447830.6212	231.8622027	0.034120799	0.735954321
WV1007751	005	2003 to 2004	0.540717838	2.498116395	46.48010487	648.8614092	0.034979694	0.013989451	3.273732798
WV1007751	005	2004 to 2005	1.080714703	2.707914821	9.371360699	291.6271434	0.069912748	0.015164322	0.660052962
WV1007751	WT-1	2003 to 2004	120.8324065	26.24283769	40.95036211	1627.34432	7.816795279	0.146959886	2.884256477
WV1007751	WT-1	2004 to 2005	120.8324065	26.24283769	40.95036211	1627.34432	7.816795279	0.146959886	2.884256477
WV1007751	WT-2	2003 to 2004	212.1776751	30.97231657	489.9624533	3559.509413	13.72603176	0.173444967	34.50952096
WV1007751	WT-2	2004 to 2005	212.1776751	30.97231657	489.9624533	3559.509413	13.72603176	0.173444967	34.50952096
WV1007815	005	2003 to 2004	31.49140779	67.82764754	16.95691189	1211.207992	2.037217456	0.379834813	1.194326019
WV1007815	005	2004 to 2005	31.49140779	67.82764754	16.95691189	1211.207992	2.037217456	0.379834813	1.194326019

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1007912	001	2003 to 2004	37.05133764	102.0487753	84.53943059	3272.762278	2.396896077	0.571473121	5.954364936
WV1007912	001	2004 to 2005	19.95474116	34.32882341	33.51324068	963.3789561	1.290896466	0.192241404	2.360437772
WV1007939	001	2003 to 2004	257.5547236	201.8207706	225.9292205	4328.987015	16.66152819	1.130196275	15.9128707
WV1007939	001	2004 to 2005	108.8514159	58.73768635	82.14290429	3870.064954	7.04173043	0.328931032	5.785570421
WV1007939	002	2003 to 2004	259.5445665	19.46584249	64.88614162	6164.183454	16.79025355	0.109008714	4.570125015
WV1007939	002	2004 to 2005	259.5445665	19.46584249	64.88614162	6164.183454	16.79025355	0.109008714	4.570125015
WV1007939	003	2003 to 2004	230.6014109	273.0273619	113.1082587	5774.506081	14.91788562	1.528953172	7.966552942
WV1007939	003	2004 to 2005	120.7275436	53.14764681	51.46650562	1130.100264	7.81001157	0.297626812	3.624939916
WV1007939	004	2003 to 2004	274.4880406	318.0331138	111.476193	6182.477703	17.75696505	1.780985374	7.851601672
WV1007939	004	2004 to 2005	157.8502837	71.37672078	26.46961258	1087.629348	10.21152676	0.399709622	1.864333979
WV1007939	005	2003 to 2004	17.5913539	9.217436901	4.062593412	254.4978656	1.138006071	0.051617645	0.286140604
WV1007939	005	2004 to 2005	17.5913539	9.217436901	4.062593412	254.4978656	1.138006071	0.051617645	0.286140604
WV1007939	006	2003 to 2004	239.7936123	348.1501849	455.8819158	2889.792803	15.51254031	1.949640966	32.10912678
WV1007939	006	2004 to 2005	63.57039331	90.65585098	69.49125364	927.6014475	4.112446029	0.507672747	4.894476827
WV1007939	013	2003 to 2004	12.97722776	7.445684474	1.227429461	521.7927049	0.839512641	0.041695832	0.086451528
WV1007939	013	2004 to 2005	12.97722776	7.445684474	1.227429461	521.7927049	0.839512641	0.041695832	0.086451528
WV1007939	015	2003 to 2004	3.460594182	3.02801991	0.432574273	17.30297091	0.223870045	0.016956911	0.0304675
WV1007939	015	2004 to 2005	3.460594182	3.02801991	0.432574273	17.30297091	0.223870045	0.016956911	0.0304675
WV1007939	018	2003 to 2004	1.730297091	2.076356509	0.259544564	177.3554518	0.111935022	0.011627596	0.0182805
WV1007939	018	2004 to 2005	1.730297091	2.076356509	0.259544564	177.3554518	0.111935022	0.011627596	0.0182805
WV1007939	019	2003 to 2004	2.595445637	1.297722818	0.573160911	37.85024887	0.167902534	0.007267248	0.040369437
WV1007939	019	2004 to 2005	2.595445637	1.297722818	0.573160911	37.85024887	0.167902534	0.007267248	0.040369437
WV1007939	022	2003 to 2004	5.190890994	5.320663269	1.816811848	207.6356398	0.335805049	0.029795713	0.127963492
WV1007939	022	2004 to 2005	5.190890994	5.320663269	1.816811848	207.6356398	0.335805049	0.029795713	0.127963492
WV1007939	023	2003 to 2004	6.921188365	8.305426038	2.422415928	328.7564473	0.44774009	0.046510384	0.170617999
WV1007939	023	2004 to 2005	6.921188365	8.305426038	2.422415928	328.7564473	0.44774009	0.046510384	0.170617999
WV1007939	024	2003 to 2004	3.460594182	4.152713019	0.259544564	380.6653601	0.223870045	0.023255192	0.0182805
WV1007939	024	2004 to 2005	12.11207936	6.63460769	6.769787198	511.5190585	0.783545139	0.037153802	0.476816359
WV1007939	025	2003 to 2004	3.460594182	1.211207964	0.9516634	121.1207964	0.223870045	0.006782764	0.067028499
WV1007939	025	2004 to 2005	3.460594182	1.211207964	0.9516634	121.1207964	0.223870045	0.006782764	0.067028499
WV1007939	026	2003 to 2004	7.353762568	3.320007483	0.583975258	250.3523542	0.475723841	0.018592041	0.041131124

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1007939	026	2004 to 2005	7.353762568	3.320007483	0.583975258	250.3523542	0.475723841	0.018592041	0.041131124
WV1007939	028	2003 to 2004	3.460594182	2.941505055	0.173029709	337.4079328	0.223870045	0.016472428	0.012187
WV1007939	028	2004 to 2005	3.460594182	2.941505055	0.173029709	337.4079328	0.223870045	0.016472428	0.012187
WV1007939	029	2003 to 2004	36.76881298	8.938065872	13.2259583	483.4017462	2.378619213	0.050053167	0.931543799
WV1007939	029	2004 to 2005	59.49862521	48.19172346	24.66459863	778.8303129	3.8490384	0.269873642	1.737201448
WV1007939	030	2003 to 2004	6.488614162	3.574145002	0.475831707	472.0466849	0.419756339	0.020015211	0.03351425
WV1007939	030	2004 to 2005	6.488614162	3.574145002	0.475831707	472.0466849	0.419756339	0.020015211	0.03351425
WV1007939	031	2003 to 2004	3.460594182	2.8549902	1.124693109	129.7722818	0.223870045	0.015987945	0.079215499
WV1007939	031	2004 to 2005	9.516633582	8.564970252	0.540717817	276.8475248	0.615642596	0.047963832	0.038084373
WV1007939	040	2003 to 2004	1.730297091	1.708668378	0.324430705	134.0980246	0.111935022	0.009568543	0.022850625
WV1007939	040	2004 to 2005	1.730297091	1.708668378	0.324430705	134.0980246	0.111935022	0.009568543	0.022850625
WV1007939	043	2003 to 2004	3.02801984	3.265935679	0.400131192	224.9386157	0.195886285	0.018289239	0.028182437
WV1007939	043	2004 to 2005	3.02801984	3.265935679	0.400131192	224.9386157	0.195886285	0.018289239	0.028182437
WV1007939	044	2003 to 2004	3.893168385	2.854990155	0.854334177	185.4662182	0.251853796	0.015987944	0.060173311
WV1007939	044	2004 to 2005	3.893168385	2.854990155	0.854334177	185.4662182	0.251853796	0.015987944	0.060173311
WV1007939	046	2003 to 2004	4.469933942	6.805834876	2.710798671	191.0536272	0.289165461	0.038112674	0.190929658
WV1007939	046	2004 to 2005	4.469933942	6.805834876	2.710798671	191.0536272	0.289165461	0.038112674	0.190929658
WV1007955	004	2003 to 2004	60.52146382	13.57850582	81.76951104	622.9069237	3.915207073	0.07603963	5.759271218
WV1007955	004	2004 to 2005	142.1006439	10.50537483	53.71645308	668.9451933	9.192663414	0.058830097	3.783410445
WV1007980	001	2003 to 2004	26.10276625	0	0	0	1.688619683	0	0
WV1007980	001	2004 to 2005	26.10276625	0	0	0	1.688619683	0	0
WV1008072	011	2003 to 2004	95.7503125	42.39227775	161.8476587	1749.762897	6.194204125	0.237396747	11.39941466
WV1008072	011	2004 to 2005	51.34836805	22.0063146	81.53123676	621.4650304	3.321788356	0.123235357	5.742488848
WV1008072	014	2003 to 2004	26.02799282	5.567230651	70.9551552	277.7126724	1.683782499	0.031176491	4.997583793
WV1008072	014	2004 to 2005	18.03048199	11.17811217	50.15895213	202.5234057	1.166413801	0.062597426	3.532845013
WV1008072	MPB	2003 to 2004	844.0796515	398.3193043	369.7554282	789.2000122	54.60453885	2.230588025	26.04298067
WV1008072	MPB	2004 to 2005	844.0796515	398.3193043	369.7554282	789.2000122	54.60453885	2.230588025	26.04298067
WV1008081	007	2003 to 2004	285.8234465	0	0	2540.247325	18.49026625	0	0
WV1008081	007	2004 to 2005	208.09772	0	0	0	13.4620945	0	0
WV1008081	011	2003 to 2004	69.7526008	0	0	0	4.512380548	0	0
WV1008081	011	2004 to 2005	141.0523426	0	0	0	9.124847525	0	0



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1008099	001	2003 to 2004	14.66117748	0	0	0	0.948449395	0	0
WV1008099	001	2004 to 2005	52.73080218	0	0	0	3.411219701	0	0
WV1008102	003	2003 to 2004	7.079798858	0	0	0	0.458000795	0	0
WV1008102	003	2004 to 2005	13.05353412	61.63504291	0	0	0.844448992	0.345156228	0
WV1008111	001	2003 to 2004	193.036268	0	0	0	12.48775086	0	0
WV1008111	001	2004 to 2005	24.39538613	0	0	0	1.578167187	0	0
WV1008111	002	2003 to 2004	9.084059827	0	0	0	0.587658874	0	0
WV1008111	002	2004 to 2005	9.084059827	0	0	0	0.587658874	0	0
WV1008129	001	2003 to 2004	11.3851143	21.35955589	2.630291843	658.2939158	0.736516885	0.119613509	0.185259321
WV1008129	001	2004 to 2005	6.410209731	12.69335079	2.736032146	226.6959469	0.414684261	0.071082762	0.192706927
WV1008129	002	2003 to 2004	9.830249783	38.00164766	15.16172738	870.5556736	0.63593081	0.212809219	1.067885805
WV1008129	002	2004 to 2005	0.251974508	0.431492827	0.044338862	4.542029777	0.016300537	0.00241636	0.003122919
WV1008129	004	2003 to 2004	150.5426051	381.9675866	206.8561145	46029.95781	9.738784148	2.139018408	14.56949481
WV1008129	004	2004 to 2005	63.46675465	142.0713558	123.7973475	2017.174855	4.105741518	0.795599564	8.719417438
WV1008129	005	2003 to 2004	118.3383497	238.6773558	167.2890847	1094.302497	7.655451714	1.336593145	11.78267056
WV1008129	005	2004 to 2005	80.43853737	143.0784448	125.8655946	2086.945484	5.203666776	0.801239262	8.865090262
WV1008129	006	2003 to 2004	1.81621113	30.15373098	35.15446968	125.8483207	0.117492906	0.168860887	2.476034439
WV1008129	006	2004 to 2005	6.085238416	31.25781632	26.63792328	197.5242228	0.393661471	0.175043765	1.876188605
WV1008129	007	2003 to 2004	22.85028432	42.0818148	8.606425291	8534.622397	1.478212673	0.235658154	0.606176273
WV1008129	007	2004 to 2005	6.649207064	14.195465	1.960642823	503.2460793	0.430145289	0.079494601	0.138093938
WV1008170	003	2003 to 2004	241.0618434	262.459523	65.13683869	5276.422965	15.59458372	1.469773277	4.58778236
WV1008170	003	2004 to 2005	207.0733019	67.68994258	11.0212714	2272.94349	13.39582365	0.379063665	0.776261107
WV1008170	006	2003 to 2004	34.6059407	25.08930701	44.98772292	173.0297035	2.238700376	0.140500114	3.168619874
WV1008170	006	2004 to 2005	34.6059407	25.08930701	44.98772292	173.0297035	2.238700376	0.140500114	3.168619874
WV1008170	028	2003 to 2004	6.056039773	1.658201349	23.07783724	133.0165879	0.391772576	0.009285927	1.625441098
WV1008170	028	2004 to 2005	10.5530095	4.113961418	13.77208288	196.2805701	0.682687014	0.023038183	0.970008987
WV1008170	030	2003 to 2004	310.4310298	153.962033	41.86040931	5222.842811	20.08216073	0.862187354	2.948353824
WV1008170	030	2004 to 2005	272.161309	85.03689104	40.67549889	2380.059671	17.60644596	0.476206573	2.864897039
WV1008170	032	2003 to 2004	3.02801984	0.940849024	2.849582967	81.10767458	0.195886285	0.005268754	0.200704651
WV1008170	032	2004 to 2005	3.02801984	0.940849024	2.849582967	81.10767458	0.195886285	0.005268754	0.200704651
WV1008170	033	2003 to 2004	6.921188365	1.038178255	0.346059418	34.60594182	0.44774009	0.005813798	0.024374

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1008170	033	2004 to 2005	6.921188365	1.038178255	0.346059418	34.60594182	0.44774009	0.005813798	0.024374
WV1008170	069	2003 to 2004	4.027266298	3.801246234	4.866460342	67.58972619	0.260528753	0.021286978	0.342759356
WV1008170	069	2004 to 2005	4.027266298	3.801246234	4.866460342	67.58972619	0.260528753	0.021286978	0.342759356
WV1008218	001	2003 to 2004	143.6146559	55.22891909	4.920532201	2757.660936	9.290606693	0.309281936	0.346567799
WV1008218	001	2004 to 2005	141.7762189	57.42315382	4.920532201	3360.561434	9.171675966	0.32156965	0.346567799
WV1008218	003	2003 to 2004	279.4429803	224.6952994	39.62689326	5251.451646	18.07750613	1.258293632	2.791040608
WV1008218	003	2004 to 2005	381.245401	244.7790345	39.62689326	8949.961745	24.66322849	1.370762545	2.791040608
WV1008218	004	2003 to 2004	231.8598072	198.5948455	42.51587049	3366.509223	14.99929281	1.112131095	2.994519915
WV1008218	004	2004 to 2005	437.9183676	340.1836182	42.51587049	9429.668561	28.3294716	1.905028194	2.994519915
WV1008218	010	2003 to 2004	140.8269566	143.1226045	97.97131451	3119.941941	9.110267031	0.801486557	6.900412693
WV1008218	010	2004 to 2005	105.2118903	138.0777021	97.97131451	2756.186196	6.806285095	0.773235104	6.900412693
WV1008218	011	2003 to 2004	25.95445665	9.732921243	1.297722832	454.2029913	1.679025355	0.054504357	0.0914025
WV1008218	011	2004 to 2005	29.84762419	26.30051536	1.297722832	916.5167224	1.930879096	0.147282881	0.0914025
WV1008218	012	2003 to 2004	6.326939115	5.607243724	1.503195519	46.77209075	0.409297383	0.031400564	0.105874556
WV1008218	012	2004 to 2005	6.326939115	5.607243724	1.503195519	46.77209075	0.409297383	0.031400564	0.105874556
WV1008226	001	2003 to 2004	650.5916978	662.9200635	241.8739008	6278.815482	42.08756789	3.712352223	17.03590223
WV1008226	001	2004 to 2005	365.411708	489.1874281	128.6908451	9770.771295	23.63892764	2.7394495	9.064081105
WV1008251	001	2003 to 2004	46.86221212	95.51780513	0	0	3.031573475	0.53489969	0
WV1008251	001	2004 to 2005	251.8875577	0	0	0	16.29491234	0	0
WV1008251	002	2003 to 2004	41.51511332	0	0	0	2.685663153	0	0
WV1008251	002	2004 to 2005	95.4985068	0	0	0	6.177914508	0	0
WV1008251	003	2003 to 2004	137.411468	195.0331003	233.7873186	2672.840337	8.889314925	1.092185323	16.46634006
WV1008251	003	2004 to 2005	298.2387076	0	277.5150709	9464.0087	19.29342458	0	19.54621643
WV1008251	008	2003 to 2004	12.34999556	0	0	0	0.798936227	0	0
WV1008251	008	2004 to 2005	28.25853888	0	0	0	1.828079236	0	0
WV1008251	009	2003 to 2004	36.21908311	0	0	1228.556004	2.34305652	0	0
WV1008251	009	2004 to 2005	100.1781451	0	0	5570.680656	6.480645999	0	0
WV1008269	003	2003 to 2004	73.45110864	0	0	0	4.751641516	0	0
WV1008269	003	2004 to 2005	33.14138905	0	0	0	2.143956749	0	0
WV1008269	009	2003 to 2004	234.5543831	0	0	0	15.17360821	0	0
WV1008269	009	2004 to 2005	170.5150787	0	0	0	11.03082775	0	0

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1008277	001	2003 to 2004	343.0314001	171.682422	76.72245505	6362.62691	22.19111832	0.961421529	5.40379197
WV1008277	001	2004 to 2005	198.4073968	90.03132097	37.76643717	2570.121999	12.83521571	0.504175379	2.660003121
WV1008277	002	2003 to 2004	178.3385776	196.8566897	82.2785775	4569.360776	11.5369394	1.102397423	5.795126291
WV1008277	002	2004 to 2005	144.0382172	69.77693183	19.1071656	1258.791102	9.318007388	0.390750804	1.345774819
WV1008277	003	2003 to 2004	154.7632781	126.6754439	47.56547433	3163.395996	10.01182461	0.70938246	3.350178615
WV1008277	003	2004 to 2005	67.22925086	38.01877241	21.6593541	1360.446079	4.349141972	0.212905118	1.525533088
WV1008277	005	2003 to 2004	25.95445497	17.64902938	26.47354407	363.3623696	1.679025246	0.098834561	1.864610886
WV1008277	005	2004 to 2005	7.642145078	2.015075047	22.67410029	118.5974405	0.494379656	0.01128442	1.597004697
WV1008277	007	2003 to 2004	7.948552149	10.00868716	10.58725505	91.38131347	0.514201502	0.056048646	0.745692038
WV1008277	007	2004 to 2005	7.948552149	10.00868716	10.58725505	91.38131347	0.514201502	0.056048646	0.745692038
WV1008277	009	2003 to 2004	60.56039735	71.15846689	69.64445696	454.2029801	3.917725731	0.3984874	4.905267395
WV1008277	009	2004 to 2005	60.56039735	71.15846689	69.64445696	454.2029801	3.917725731	0.3984874	4.905267395
WV1008277	014	2003 to 2004	1.730297091	0.692118836	0.908405973	30.2801991	0.111935022	0.003875865	0.06398175
WV1008277	014	2004 to 2005	1.730297091	0.692118836	0.908405973	30.2801991	0.111935022	0.003875865	0.06398175
WV1008277	016	2003 to 2004	4.037359693	3.662461998	7.112241675	140.9471099	0.261181707	0.020509786	0.500936452
WV1008277	016	2004 to 2005	4.037359693	3.662461998	7.112241675	140.9471099	0.261181707	0.020509786	0.500936452
WV1008277	017	2003 to 2004	12.54465356	17.4543714	58.70032718	153.0231445	0.81152889	0.097744476	4.134439603
WV1008277	017	2004 to 2005	12.54465356	17.4543714	58.70032718	153.0231445	0.81152889	0.097744476	4.134439603
WV1008277	024	2003 to 2004	3.02801984	0.940849024	2.216943097	69.2118819	0.195886285	0.005268754	0.156145933
WV1008277	024	2004 to 2005	3.02801984	0.940849024	2.216943097	69.2118819	0.195886285	0.005268754	0.156145933
WV1008277	025	2003 to 2004	12.83303636	4.88448436	1.222022282	207.6356435	0.830184724	0.027353111	0.086070684
WV1008277	025	2004 to 2005	12.83303636	4.88448436	1.222022282	207.6356435	0.830184724	0.027353111	0.086070684
WV1008277	037	2003 to 2004	18.16811904	24.5594036	1.524824275	350.9258689	1.175317709	0.137532655	0.107397934
WV1008277	037	2004 to 2005	3.730952954	3.99049753	0.854334157	133.0165836	0.241359883	0.022346785	0.06017331
WV1008277	038	2003 to 2004	2.595445497	1.492381161	0.356873756	74.61905804	0.167902525	0.008357334	0.025135686
WV1008277	038	2004 to 2005	6.581308434	3.511576108	7.993354442	168.5494726	0.425752844	0.019664826	0.56299586
WV1008285	001	2003 to 2004	74.6947624	78.33920049	48.14119027	698.6074464	4.83209499	0.438699507	3.390728011
WV1008285	001	2004 to 2005	60.14945161	26.23743158	17.88505336	1094.881516	3.891141151	0.146929612	1.259697798
WV1008285	002	2003 to 2004	78.29594219	103.2946792	77.85120153	1493.057116	5.065059689	0.578450183	5.48329296
WV1008285	002	2004 to 2005	47.09652252	38.24448038	30.38932528	1160.577082	3.0467313	0.214169082	2.140411068
WV1008285	003	2003 to 2004	98.94153202	120.9949544	41.84959418	2018.155573	6.400647995	0.67757172	2.947592081

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1008285	003	2004 to 2005	45.59332725	22.93400587	14.75727085	818.6467903	2.94948777	0.128430428	1.039398722
WV1008285	006	2003 to 2004	52.16845631	55.56524556	21.2253377	1017.090237	3.374840862	0.311165364	1.494964015
WV1008285	006	2004 to 2005	53.44695366	28.39729879	17.15397265	945.1747638	3.457548411	0.159024868	1.208205598
WV1008285	007	2003 to 2004	5.190890994	1.946584123	0.519089099	25.95445497	0.335805049	0.010900871	0.036560998
WV1008285	007	2004 to 2005	5.190890994	1.946584123	0.519089099	25.95445497	0.335805049	0.010900871	0.036560998
WV1008285	008	2003 to 2004	8.651485176	1.297722776	0.648861388	432.5742588	0.559675094	0.007267247	0.045701248
WV1008285	008	2004 to 2005	8.651485176	1.297722776	0.648861388	432.5742588	0.559675094	0.007267247	0.045701248
WV1008285	009	2003 to 2004	58.83009858	66.71376435	13.07455681	532.0663318	3.8057906	0.373597067	0.92088014
WV1008285	009	2004 to 2005	56.23465532	72.56433417	75.05163628	940.8490479	3.63788822	0.406360257	5.286111207
WV1008285	010	2003 to 2004	5.190890994	8.824514689	5.450435543	246.5673222	0.335805049	0.04941728	0.383890476
WV1008285	010	2004 to 2005	5.190890994	8.824514689	5.450435543	246.5673222	0.335805049	0.04941728	0.383890476
WV1008307	001	2003 to 2004	439.5435259	631.798766	1265.279762	6296.358931	28.43460507	3.538072963	89.11743784
WV1008307	001	2004 to 2005	401.0324086	246.2519228	632.6398895	3773.760025	25.94327407	1.379010719	44.55871951
WV1008307	EFDSMB	2003 to 2004	80359.94276	132268.1348	50099.87331	789.2000122	5198.582395	740.7015287	3528.683915
WV1008307	EFDSMB	2004 to 2005	23850.48724	18110.9612	9495.113916	789.2000122	1542.917016	101.4213791	668.769271
WV1008307	EFUSMB	2003 to 2004	69577.88232	123478.4818	45601.41547	789.2000122	4501.077797	691.4794733	3211.844076
WV1008307	EFUSMB	2004 to 2005	23402.97901	20540.56224	9504.002332	789.2000122	1513.967164	115.0271444	669.3953087
WV1008307	MBDS	2003 to 2004	1685.795941	1024.115955	1661.419382	789.2000122	109.0561889	5.735049141	117.0187361
WV1008307	MBDS	2004 to 2005	1685.795941	1024.115955	1661.419382	789.2000122	109.0561889	5.735049141	117.0187361
WV1008323	001	2003 to 2004	2.595445637	5.335082698	0.230706279	139.505203	0.167902534	0.029876462	0.016249333
WV1008323	001	2004 to 2005	0.675897301	1.670818129	0.194658423	54.61250194	0.043724618	0.009356581	0.013710375
WV1008323	025	2003 to 2004	43.25742834	108.1435709	32.44307126	0	2.79837563	0.605603975	2.285062539
WV1008323	025	2004 to 2005	43.25742834	108.1435709	32.44307126	0	2.79837563	0.605603975	2.285062539
WV1008323	027	2003 to 2004	129.6280877	313.8731814	63.03418103	9396.943778	8.38579859	1.757689753	4.439685892
WV1008323	027	2004 to 2005	27.46846583	72.16780646	19.07382137	1691.770965	1.77696845	0.404139702	1.343426285
WV1008323	028	2003 to 2004	192.5631392	365.1197178	59.81691045	9072.794657	12.45714359	2.044670347	4.213083903
WV1008323	028	2004 to 2005	101.091705	244.4044618	87.70894107	4826.064443	6.539745298	1.368664937	6.177603039
WV1008323	035	2003 to 2004	5.016059083	9.820336992	0.964280138	281.1732701	0.32449496	0.054993885	0.067917134
WV1008323	035	2004 to 2005	0.976446284	2.00290896	0.194658419	31.31657444	0.063167497	0.01121629	0.013710375
WV1008323	037	2003 to 2004	0.605603982	0.753915161	0.055616692	33.91073317	0.039177258	0.004221925	0.00391725
WV1008323	037	2004 to 2005	0.42656629	1.079633262	1.196488392	18.81998432	0.027595092	0.006045946	0.084272256

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1008323	042	2003 to 2004	155.7267291	242.2415787	34.60593981	9516.633448	10.07415143	1.356552792	2.43739984
WV1008323	042	2004 to 2005	155.7267291	242.2415787	34.60593981	9516.633448	10.07415143	1.356552792	2.43739984
WV1008323	049	2003 to 2004	23.57094448	46.22791359	11.75553008	610.0594748	1.524833055	0.258876307	0.827977142
WV1008323	049	2004 to 2005	23.57094448	46.22791359	11.75553008	610.0594748	1.524833055	0.258876307	0.827977142
WV1008323	058	2003 to 2004	50.35748538	82.42746063	229.3723479	6867.627601	3.257686951	0.461593763	16.15538047
WV1008323	058	2004 to 2005	50.35748538	82.42746063	229.3723479	6867.627601	3.257686951	0.461593763	16.15538047
WV1008331	001	2003 to 2004	8.240539967	4.022940768	0.875962909	124.3651043	0.533090549	0.022528468	0.061696688
WV1008331	001	2004 to 2005	6.981748584	11.50647539	1.678388134	173.8948554	0.451657804	0.06443626	0.118213896
WV1008340	003	2003 to 2004	3.893168497	1.946584249	0.648861416	194.6584249	0.251853803	0.010900871	0.04570125
WV1008340	003	2004 to 2005	3.893168497	1.946584249	0.648861416	194.6584249	0.251853803	0.010900871	0.04570125
WV1008340	004	2003 to 2004	1.081435647	1.730297035	0.216287129	281.1732682	0.069959387	0.009689663	0.015233749
WV1008340	004	2004 to 2005	1.081435647	1.730297035	0.216287129	281.1732682	0.069959387	0.009689663	0.015233749
WV1008358	001	2003 to 2004	131.5832316	204.6842268	197.0015268	2349.768149	8.512279228	1.146231629	13.87540672
WV1008358	001	2004 to 2005	30.74882039	128.6097355	112.4152365	895.7892099	1.989178574	0.720214493	7.917741318
WV1008579	001	2003 to 2004	1701.548907	403.1051461	209.7985217	33308.21868	110.0752675	2.257388738	14.77673735
WV1008579	001	2004 to 2005	1724.889896	322.2678297	209.7985217	35092.58747	111.5852244	1.804699782	14.77673735
WV1008579	002	2003 to 2004	14.55612383	3.287564364	2.216943153	266.0331697	0.941653347	0.01841036	0.156145937
WV1008579	002	2004 to 2005	23.3049389	5.668525368	2.216943153	475.8316987	1.50762483	0.031743741	0.156145937
WV1008579	003	2003 to 2004	21.97657493	68.32871007	7.407834455	673.8785976	1.42169135	0.382640763	0.521755936
WV1008579	003	2004 to 2005	30.91968763	57.56143172	7.407834455	790.5875417	2.000232183	0.322344006	0.521755936
WV1008579	005	2003 to 2004	24.83877483	12.18958231	2.325086704	452.2203465	1.606850542	0.068261659	0.16376281
WV1008579	005	2004 to 2005	38.42701407	17.38407834	2.325086704	624.9796951	2.485890258	0.097350835	0.16376281
WV1008579	009	2003 to 2004	4.792562383	1.959200954	0.416352726	98.50895797	0.310036687	0.010971525	0.029324968
WV1008579	009	2004 to 2005	3.390300774	1.824021472	0.416352726	63.71458381	0.219322679	0.01021452	0.029324968
WV1008579	010	2003 to 2004	25.18447367	30.1634034	3.028019924	504.8141652	1.62921422	0.168915053	0.213272499
WV1008579	010	2004 to 2005	35.59545524	31.88973575	3.028019924	598.1240486	2.302713275	0.178582514	0.213272499
WV1008579	012	2003 to 2004	9.035395089	9.343604222	9.543669637	176.8147327	0.584510693	0.052324182	0.672189196
WV1008579	012	2004 to 2005	17.42012624	19.86236842	9.543669637	397.4276086	1.126929145	0.111229259	0.672189196
WV1008579	DSWS02	2003 to 2004	736.4577	298.4762482	259.5445665	15572.67399	47.64234396	1.67146693	18.28050006
WV1008579	DSWS02	2004 to 2005	970.5885192	390.3982795	120.8118122	15734.88886	62.7885513	2.186230287	8.509137256
WV1008579	USWS01	2003 to 2004	480.5178965	175.7332892	173.029699	10381.78194	31.08528692	0.984106385	12.1869992

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1008579	USWS01	2004 to 2005	678.9613545	209.2578001	68.59391973	9976.243955	43.92283547	1.171843639	4.831274917
WV1008633	001	2003 to 2004	38.24000168	47.1781232	19.95000076	1705.719011	2.473792315	0.264197481	1.405138254
WV1008633	001	2004 to 2005	38.24000168	43.45208583	19.95000076	705.0960693	2.473792315	0.243331672	1.405138254
WV1008633	002	2003 to 2004	76.47913208	6.581437115	4.542029801	147.886325	4.947528034	0.036856047	0.319908743
WV1008633	002	2004 to 2005	76.47913208	10.12674389	4.542029801	274.2340627	4.947528034	0.056709764	0.319908743
WV1008633	003	2003 to 2004	34.6059407	4.619893091	4.325742476	226.668912	2.238700376	0.0258714	0.30467498
WV1008633	003	2004 to 2005	58.39752746	22.71916022	4.325742476	407.3407669	3.777807048	0.127227293	0.30467498
WV1008633	004	2003 to 2004	65.75128779	8.750977321	12.32836624	341.9499538	4.253530744	0.049005471	0.868323706
WV1008633	004	2004 to 2005	111.0273929	16.82533626	12.32836624	643.0036216	7.182497029	0.09422188	0.868323706
WV1008633	007	2003 to 2004	1.730297091	0.663280541	0.432574259	26.67541291	0.111935022	0.003714371	0.030467499
WV1008633	007	2004 to 2005	17.30297035	1.427495066	0.432574259	129.6641344	1.119350188	0.007993972	0.030467499
WV1008676	002	2003 to 2004	42.36138013	46.47083531	16.09794235	783.2684058	2.740409181	0.260236668	1.133826225
WV1008676	002	2004 to 2005	135.4317952	160.7734382	36.78683722	1991.19345	8.76124748	0.900331222	2.591006967
WV1008684	001	2003 to 2004	15.59069756	4.686221272	3.244307011	194.6584207	1.00858118	0.026242838	0.228506246
WV1008684	001	2004 to 2005	40.12126345	27.68475309	6.521057129	448.2550863	2.59549331	0.155034612	0.459297557
WV1008731	042	2003 to 2004	12.33731277	6.622859349	170.0674716	125.6372608	0.798115762	0.037088011	11.97836066
WV1008731	042	2004 to 2005	16.601239	6.602765436	46.41041301	141.7882294	1.073954334	0.036975485	3.268824192
WV1008781	005	2003 to 2004	31.37785574	33.3514759	0	525.0550388	2.029871636	0.186768258	0
WV1008781	005	2004 to 2005	85.21713028	114.7042764	0	1083.238055	5.512799761	0.642343925	0
WV1008781	007	2003 to 2004	20.67344493	26.60331713	0	270.3589132	1.337390286	0.148978571	0
WV1008781	007	2004 to 2005	81.28791316	63.41718882	0	954.3669651	5.258613928	0.355136245	0
WV1008889	DSNF02	2003 to 2004	37959.31326	23105.66894	8252.024622	495121.4773	2455.634124	129.3917415	581.2147742
WV1008889	DSNF02	2004 to 2005	28056.88423	33444.97067	9295.663146	451434.2907	1815.033951	187.2918291	654.7213567
WV1008901	004	2003 to 2004	8.756474602	18.00410126	21.33672551	541.8330571	0.566466988	0.100822963	1.502809391
WV1008901	004	2004 to 2005	17.39272962	32.18893255	14.89677602	182.762626	1.125156824	0.180258016	1.049224488
WV1008919	001	2003 to 2004	83.91940654	204.5535535	217.1414644	1258.791098	5.428848435	1.145499858	15.29392276
WV1008919	001	2004 to 2005	83.91940654	204.5535535	217.1414644	1258.791098	5.428848435	1.145499858	15.29392276
WV1008919	004	2003 to 2004	33.64466457	26.44710945	23.24485839	861.5437289	2.176514255	0.148103808	1.637204897
WV1008919	004	2004 to 2005	33.64466457	26.44710945	23.24485839	861.5437289	2.176514255	0.148103808	1.637204897
WV1008919	006	2003 to 2004	78.88581613	163.9151705	20.25234072	4172.768683	5.103219351	0.917924922	1.426432927
WV1008919	006	2004 to 2005	18.87706034	27.6739387	3.29477399	881.1297485	1.221179983	0.154974051	0.232060786

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1008978	001	2003 to 2004	20.43913461	25.30559523	6.81304487	583.9752746	1.322232467	0.141711328	0.479863127
WV1008978	001	2004 to 2005	20.43913461	25.30559523	6.81304487	583.9752746	1.322232467	0.141711328	0.479863127
WV1008978	003	2003 to 2004	37.32755402	47.29478582	10.50794975	731.7714624	2.414764851	0.264850791	0.740106328
WV1008978	003	2004 to 2005	37.32755402	47.29478582	10.50794975	731.7714624	2.414764851	0.264850791	0.740106328
WV1009133	001	2003 to 2004	85.80700352	31.37736387	99.88532935	824.2505925	5.550959378	0.175713231	7.035222482
WV1009133	001	2004 to 2005	80.44799804	15.47534416	105.2128744	591.5453012	5.204278798	0.086661924	7.410457415
WV1009133	008	2003 to 2004	379.0744471	45.82763866	639.9864156	1247.976751	24.52278684	0.256634767	45.07615732
WV1009133	008	2004 to 2005	379.0744471	39.00017528	941.1806733	1695.691142	24.52278684	0.218400974	66.29016969
WV1009133	015	2003 to 2004	39.52863559	2.865804475	31.18860455	121.120795	2.557155494	0.016048504	2.196706697
WV1009133	015	2004 to 2005	39.52863559	15.82140345	73.04557093	427.7077945	2.557155494	0.088599856	5.144818024
WV1009133	016	2003 to 2004	135.6624972	35.30526925	217.2928658	1133.705044	8.776171879	0.197709501	15.30458642
WV1009133	016	2004 to 2005	143.9498988	27.16926833	309.077914	1214.091764	9.312293962	0.152147897	21.76928187
WV1009206	001	2003 to 2004	26.52860006	21.58545584	16.6541091	328.7564397	1.71616739	0.120878548	1.172998713
WV1009206	001	2004 to 2005	14.56333317	4.787155064	20.95822243	439.0628656	0.942119728	0.026808067	1.476150288
WV1009290	005	2003 to 2004	102.0519946	230.9498577	828.0444796	5530.075819	6.601867604	1.293319157	58.32164921
WV1009290	005	2004 to 2005	89.43473123	44.95528201	328.6158661	2536.507433	5.785641494	0.25174957	23.14539827
WV1009290	011	2003 to 2004	223.9112511	710.3116505	939.948329	13533.2402	14.48509106	3.977745101	66.203372
WV1009290	011	2004 to 2005	233.6874302	151.3144797	556.2039984	5627.250494	15.11752397	0.847361056	39.1751111
WV1009311	003	2003 to 2004	0	19.00623195	18.4384782	770.7686951	0	0.106434895	1.298677165
WV1009311	003	2004 to 2005	0	27.12961602	11.41094872	1041.152185	0	0.151925844	0.803707246
WV1009311	005	2003 to 2004	0	44.6542813	45.33017877	1719.032121	0	0.250063966	3.192740064
WV1009311	005	2004 to 2005	0	51.27807391	28.09930321	2219.646676	0	0.287157204	1.979117964
WV1009311	006	2003 to 2004	0	121.4722613	74.15043932	2991.972034	0	0.680244639	5.222637209
WV1009311	006	2004 to 2005	0	154.5551808	99.31184261	6281.33886	0	0.865508982	6.994830096
WV1009311	017	2003 to 2004	38.24000168	243.3230219	94.62562002	6164.183252	2.473792315	1.362608874	6.664765424
WV1009311	017	2004 to 2005	38.24000168	38.93168412	17.89284463	1787.318222	2.473792315	0.218017423	1.260246561
WV1009354	001	2003 to 2004	6.099297196	9.722106779	0.922825108	189.3413637	0.394570951	0.054443796	0.064997332
WV1009354	001	2004 to 2005	6.005572852	5.07553805	4.783550491	421.6697941	0.388507809	0.028423012	0.336919768
WV1009354	002	2003 to 2004	3.028019812	0.216287129	0.216287129	173.0297035	0.195886283	0.001211208	0.015233749
WV1009354	002	2004 to 2005	3.028019812	0.216287129	0.216287129	173.0297035	0.195886283	0.001211208	0.015233749
WV1009931	001	2003 to 2004	18.73046543	2.374832695	249.132493	789.2000122	1.211696581	0.013299063	17.54714659

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1009931	001	2004 to 2005	18.73046543	2.374832695	249.132493	789.2000122	1.211696581	0.013299063	17.54714659
WV1009931	002	2003 to 2004	61.13716202	6.402099079	78.20942712	789.2000122	3.955037339	0.035851754	5.50852386
WV1009931	002	2004 to 2005	61.13716202	6.402099079	78.20942712	789.2000122	3.955037339	0.035851754	5.50852386
WV1009931	003	2003 to 2004	427.347323	11.10273939	899.2948509	789.2000122	27.64561788	0.062175338	63.34002595
WV1009931	003	2004 to 2005	144.1914202	11.89579228	422.1684481	789.2000122	9.327918276	0.066616434	29.73458642
WV1009931	004	2003 to 2004	60.56039735	15.89710431	481.455159	789.2000122	3.917725731	0.089023781	33.91032678
WV1009931	004	2004 to 2005	60.56039735	15.89710431	481.455159	789.2000122	3.917725731	0.089023781	33.91032678
WV1009931	303	2003 to 2004	161.1339169	250.56865	258.6794121	583.9752746	10.42394898	1.40318439	18.21956465
WV1009931	303	2004 to 2005	161.1339169	250.56865	258.6794121	583.9752746	10.42394898	1.40318439	18.21956465
WV1009974	003	2003 to 2004	22.88137654	14.82918655	24.1971232	346.5100124	1.480224067	0.083043442	1.704275756
WV1009974	003	2004 to 2005	67.37344295	34.16615784	2.770878515	705.5767068	4.358469934	0.191330477	0.195161261
WV1010026	001	2003 to 2004	204.804257	184.7013509	145.6910159	4963.192244	13.24903638	1.034327528	10.26145398
WV1010026	001	2004 to 2005	207.6356532	119.6264502	150.299899	5002.131645	13.43220284	0.669908097	10.5860714
WV1010051	001	2003 to 2004	0.817270426	1.162169754	0.468163325	53.77684533	0.052870217	0.00650815	0.032974143
WV1010051	001	2004 to 2005	0.867114782	0.759954344	0.635294302	39.80863015	0.056094709	0.004255744	0.044745678
WV1010051	002	2003 to 2004	1.19370834	2.629953206	0.901425777	83.07392022	0.077222444	0.014727737	0.063490113
WV1010051	002	2004 to 2005	0.809110505	1.035228882	0.425495781	44.96216262	0.052342342	0.005797282	0.02996894
WV1010051	003	2003 to 2004	0.259544564	0.086514855	0.043257427	8.651485456	0.016790253	0.000484483	0.00304675
WV1010051	003	2004 to 2005	0.259544564	0.086514855	0.043257427	8.651485456	0.016790253	0.000484483	0.00304675
WV1010051	004	2003 to 2004	0.129772282	0.038931685	0.021628714	4.325742728	0.008395127	0.000218017	0.001523375
WV1010051	004	2004 to 2005	0.129772282	0.038931685	0.021628714	4.325742728	0.008395127	0.000218017	0.001523375
WV1010069	001	2003 to 2004	49.38556023	34.37613488	37.70064819	753.850749	3.194811932	0.192506348	2.655369407
WV1010069	001	2004 to 2005	39.83615607	17.91348957	21.63510282	489.3987812	2.577049367	0.100315538	1.523824997
WV1010077	001	2003 to 2004	17.15877895	8.188270249	9.298544188	298.6564779	1.110022271	0.045854312	0.654924277
WV1010077	001	2004 to 2005	17.2243205	9.117485634	11.37080427	272.3251585	1.114262233	0.051057918	0.800879753
WV1010115	001	2003 to 2004	48.38559307	50.9115569	15.68892762	802.4252778	3.13012284	0.285104708	1.105018095
WV1010115	001	2004 to 2005	24.5485893	16.70682913	13.25840117	477.0483022	1.588078087	0.09355824	0.933828848
WV1010221	001	2003 to 2004	9.484190561	17.27052749	29.44749296	784.040835	0.613543818	0.09671495	2.074075
WV1010221	001	2004 to 2005	22.71320055	82.50854306	38.8359753	1324.322176	1.469344557	0.462047825	2.735333891
WV1010221	018	2003 to 2004	89.57964084	23.36549877	176.0631323	501.1589105	5.795015873	0.130846788	12.40065297
WV1010221	018	2004 to 2005	62.59079259	51.73858542	191.4032973	486.6460454	4.049074468	0.289736068	13.48110668



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1010255	003	2003 to 2004	0.841356957	0.71374753	0.785122282	101.654952	0.054428404	0.003996986	0.05529851
WV1010255	003	2004 to 2005	0.841356957	0.71374753	0.785122282	101.654952	0.054428404	0.003996986	0.05529851
WV1010255	004	2003 to 2004	0.456365854	0.585056685	0.704014607	77.86336701	0.029522862	0.003276317	0.049585854
WV1010255	004	2004 to 2005	0.456365854	0.585056685	0.704014607	77.86336701	0.029522862	0.003276317	0.049585854
WV1010255	005	2003 to 2004	0.287661884	5.976013391	0.80026238	578.2075836	0.018609197	0.033465674	0.056364873
WV1010255	005	2004 to 2005	0.287661884	5.976013391	0.80026238	224.9386128	0.018609197	0.033465674	0.056364873
WV1010255	006	2003 to 2004	7.256433214	1.330165853	0.921383173	449.8772297	0.469427487	0.007448929	0.064895773
WV1010255	006	2004 to 2005	7.256433214	1.330165853	0.921383173	124.004623	0.469427487	0.007448929	0.064895773
WV1010361	001	2003 to 2004	17.08668325	5.874899162	4.291497133	288.3500688	1.105358313	0.032899434	0.302262978
WV1010361	001	2004 to 2005	17.30297035	6.291989219	4.306080122	178.9284434	1.119350188	0.035235138	0.303290102
WV1010395	001	2003 to 2004	5.939539602	70.40981783	22.90087472	339.8657343	0.384236038	0.394294966	1.612977098
WV1010395	001	2004 to 2005	19.76323649	195.5370856	38.24226836	776.2680213	1.278507796	1.09500764	2.693517335
WV1010417	001	2003 to 2004	42.70769499	88.04688332	97.1850143	1315.74667	2.762812711	0.493062529	6.845031217
WV1010417	001	2004 to 2005	75.26116131	69.73457356	62.18930852	1787.910493	4.868736024	0.390513598	4.380178994
WV1010417	002	2003 to 2004	19.33967368	25.82873862	71.2828291	932.2876371	1.251107003	0.144640931	5.020662846
WV1010417	002	2004 to 2005	41.13060138	12.31034213	30.37932893	1886.077791	2.660788608	0.068937913	2.139706995
WV1010417	003	2003 to 2004	16.37924412	76.62377159	204.745508	1039.079413	1.059593215	0.429093106	14.42083848
WV1010417	003	2004 to 2005	28.27954182	56.84296047	186.5589113	1073.392448	1.829437941	0.318320567	13.13990208
WV1010514	001	2003 to 2004	21.13279752	40.54920202	10.28445302	829.6156335	1.367106364	0.227075523	0.724364785
WV1010514	001	2004 to 2005	26.85150704	49.35034346	12.91710022	1102.19924	1.737056635	0.276361914	0.909790001
WV1010557	001	2003 to 2004	38.24000168	0	0	0	2.473792315	0	0
WV1010557	001	2004 to 2005	38.24000168	0	0	0	2.473792315	0	0
WV1010581	001	2003 to 2004	38.57120535	50.23268665	10.63411735	2146.649791	2.495218167	0.281303035	0.748992689
WV1010581	001	2004 to 2005	38.57120535	50.23268665	10.63411735	2146.649791	2.495218167	0.281303035	0.748992689
WV1010689	039	2003 to 2004	1589.987256	249.9630369	109.3872161	7883.665833	102.8582086	1.399792957	7.704468782
WV1010689	039	2004 to 2005	1589.987256	249.9630369	109.3872161	7883.665833	102.8582086	1.399792957	7.704468782
WV1010689	042	2003 to 2004	783.582606	204.3598004	97.72573735	6471.491305	50.69091143	1.144414841	6.883115958
WV1010689	042	2004 to 2005	914.7568981	149.631404	57.073128	7370.452868	59.17673586	0.837935832	4.019831099
WV1010689	043	2003 to 2004	151.8912462	78.46717093	8.047683764	2660.331818	9.82602938	0.439416142	0.566822436
WV1010689	043	2004 to 2005	806.333899	392.9628221	168.6885191	7704.456797	52.16272023	2.200591726	11.88123691
WV1010689	044	2003 to 2004	1070.621339	289.6517387	47.92923009	5748.912098	69.25979603	1.622049679	3.375799022

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1010689	044	2004 to 2005	32.01049555	115.5282285	14.6457288	1721.027628	2.070797874	0.646958057	1.031542482
WV1010735	001	2003 to 2004	167.6585758	0	0	2903.880112	10.8460371	0	0
WV1010735	001	2004 to 2005	23.06564638	0	0	0	1.492144706	0	0
WV1010778	001	2003 to 2004	145.9775934	0	0	0	9.443467992	0	0
WV1010778	001	2004 to 2005	198.1091351	0	0	0	12.8159208	0	0
WV1010778	002	2003 to 2004	322.321904	0	0	0	20.85139583	0	0
WV1010778	002	2004 to 2005	240.1530134	0	0	0	15.5357904	0	0
WV1010778	009	2003 to 2004	5.067017579	0	0	0	0.327791527	0	0
WV1010778	009	2004 to 2005	5.067017579	0	0	0	0.327791527	0	0
WV1010778	011	2003 to 2004	7.422253435	0	10.90177263	0	0.480154598	0	0.767844451
WV1010778	011	2004 to 2005	140.6061656	0	57.48204373	0	9.095983792	0	4.048632257
WV1010822	001	2003 to 2004	93.83737587	0	0	0	6.070453928	0	0
WV1010822	001	2004 to 2005	76.79880365	0	0	0	4.968207977	0	0
WV1010859	001	2003 to 2004	227.6520378	101.5959657	591.859913	8877.603773	14.7270871	0.568937388	41.6864638
WV1010859	001	2004 to 2005	122.7429428	31.36163295	237.0146398	2631.49334	7.940390192	0.175625138	16.69364994
WV1010859	002	2003 to 2004	30.28019882	3.930246214	34.06213389	757.0049669	1.958862875	0.022009378	2.399097962
WV1010859	002	2004 to 2005	13.0853714	2.149353356	18.57816329	139.0095413	0.846508585	0.012036378	1.308515604
WV1010859	003	2003 to 2004	104.8271649	39.12994754	135.5219127	2507.128316	6.781396741	0.219127698	9.545213632
WV1010859	003	2004 to 2005	63.82272739	6.407506154	67.29233366	623.8531872	4.128769827	0.035882033	4.739600317
WV1010859	004	2003 to 2004	43.09057586	4.134173993	66.50520258	188.4787846	2.78758174	0.023151374	4.684160321
WV1010859	004	2004 to 2005	6.402099078	1.099008986	8.341924463	89.55639031	0.414159573	0.00615445	0.587546689
WV1010913	001	2003 to 2004	0.025954457	0.043257428	0.237915855	3.028019971	0.001679025	0.000242242	0.016757125
WV1010913	001	2004 to 2005	0	0.002595446	0.002162871	0	0	1.45345E-05	0.000152337
WV1010921	001	2003 to 2004	410.53461	138.9140178	33.93545179	6976.341558	26.55798303	0.777918472	2.390175363
WV1010921	001	2004 to 2005	468.8744636	308.8039585	54.60889714	17154.09319	30.33205909	1.729302106	3.846267949
WV1010921	003	2003 to 2004	746.89356	435.7681194	59.702459	16974.57519	48.31745243	2.440301382	4.205022745
WV1010921	003	2004 to 2005	857.7983644	654.8741656	106.1104663	27137.90645	55.49201907	3.667295196	7.473677494
WV1010921	010	2003 to 2004	1.600524809	1.167950537	0.129772282	17.30297091	0.103539896	0.006540523	0.00914025
WV1010921	010	2004 to 2005	0.086514855	5.709980401	0.043257427	17.30297091	0.005596751	0.031975889	0.00304675
WV1010921	011	2003 to 2004	1.081435682	1.557267382	0.259544564	43.25742728	0.069959389	0.008720697	0.0182805
WV1010921	011	2004 to 2005	2.033099082	1.081435682	0.086514855	17.30297091	0.131523651	0.00605604	0.0060935

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1010921	013	2003 to 2004	4.758317001	3.287564473	2.335901073	173.0297091	0.307821312	0.01841036	0.164524499
WV1010921	013	2004 to 2005	3.157792142	1.816811876	0.23791584	43.25742588	0.204281413	0.010174146	0.016757124
WV1010921	014	2003 to 2004	0.346059418	4.498772437	0.605603982	34.60594182	0.022387004	0.025193125	0.0426545
WV1010921	014	2004 to 2005	0.346059418	4.498772437	0.605603982	34.60594182	0.022387004	0.025193125	0.0426545
WV1010921	015	2003 to 2004	1.103064389	0.605603975	0.173029702	34.60594042	0.071358576	0.003391382	0.012186999
WV1010921	015	2004 to 2005	1.103064389	0.605603975	0.173029702	34.60594042	0.071358576	0.003391382	0.012186999
WV1010921	016	2003 to 2004	2.357529787	1.340980246	0.454202986	25.95445637	0.152511468	0.007509489	0.031990875
WV1010921	016	2004 to 2005	2.357529787	1.340980246	0.454202986	25.95445637	0.152511468	0.007509489	0.031990875
WV1010921	018	2003 to 2004	3.114534649	1.12469306	0.086514851	34.60594042	0.201483033	0.006298281	0.0060935
WV1010921	018	2004 to 2005	3.114534649	1.12469306	0.086514851	34.60594042	0.201483033	0.006298281	0.0060935
WV1010921	021	2003 to 2004	2.162871364	0.562346555	0.043257427	17.30297091	0.139918778	0.003149141	0.00304675
WV1010921	021	2004 to 2005	2.162871364	0.562346555	0.043257427	17.30297091	0.139918778	0.003149141	0.00304675
WV1010921	022	2003 to 2004	1.946584228	1.9033268	0.757004977	17.30297091	0.1259269	0.01065863	0.053318125
WV1010921	022	2004 to 2005	0.865148546	0.778633691	0.778633691	17.30297091	0.055967511	0.004360349	0.0548415
WV1010921	023	2003 to 2004	2.681960491	1.103064396	1.103064396	28.11732773	0.173499285	0.00617716	0.077692124
WV1010921	023	2004 to 2005	2.681960491	1.103064396	1.103064396	28.11732773	0.173499285	0.00617716	0.077692124
WV1010921	027	2003 to 2004	9.394071115	7.41143901	2.260200529	362.6414231	0.607713881	0.041504057	0.159192683
WV1010921	027	2004 to 2005	2.647354466	0.990595066	0.307127727	154.8615864	0.171260579	0.005547332	0.021631924
WV1010921	029	2003 to 2004	4.066198164	0.778633691	0.086514855	34.60594182	0.263047303	0.004360349	0.0060935
WV1010921	029	2004 to 2005	4.066198164	0.778633691	0.086514855	34.60594182	0.263047303	0.004360349	0.0060935
WV1010921	031	2003 to 2004	9.808621423	3.356055327	2.815337509	283.6966207	0.634531645	0.018793909	0.198292641
WV1010921	031	2004 to 2005	9.480585862	2.332296234	2.249386194	359.757596	0.613310625	0.013060858	0.158430997
WV1010921	033	2003 to 2004	3.374079328	1.9033268	0.173029709	34.60594182	0.218273294	0.01065863	0.012187
WV1010921	033	2004 to 2005	3.374079328	1.9033268	0.173029709	34.60594182	0.218273294	0.01065863	0.012187
WV1010921	034	2003 to 2004	1.514009955	2.162871364	0.4758317	34.60594182	0.097943145	0.012112079	0.03351425
WV1010921	034	2004 to 2005	2.162871364	0.994920827	0.043257427	17.30297091	0.139918778	0.005571556	0.00304675
WV1010921	035	2003 to 2004	7.786336491	2.725217772	0.25954455	51.90890994	0.503707574	0.015261219	0.018280499
WV1010921	035	2004 to 2005	1.535638668	0.930034687	0.043257427	17.30297091	0.099342332	0.005208194	0.00304675
WV1010921	036	2003 to 2004	3.806653601	0.865148546	0.086514855	34.60594182	0.246257049	0.004844832	0.0060935
WV1010921	036	2004 to 2005	2.681960491	0.605603982	0.043257427	17.30297091	0.173499285	0.003391382	0.00304675
WV1010921	039	2003 to 2004	2.076356509	1.340980246	0.129772282	17.30297091	0.134322027	0.007509489	0.00914025

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1010921	039	2004 to 2005	4.671802146	1.816811946	0.086514855	34.60594182	0.302224561	0.010174147	0.0060935
WV1010921	042	2003 to 2004	3.02801991	1.124693109	0.086514855	34.60594182	0.195886289	0.006298281	0.0060935
WV1010921	042	2004 to 2005	3.02801991	1.124693109	0.086514855	34.60594182	0.195886289	0.006298281	0.0060935
WV1010921	043	2003 to 2004	5.363920983	1.384237673	0.259544564	34.60594182	0.34699857	0.007751731	0.0182805
WV1010921	043	2004 to 2005	3.914797067	0.930034662	0.108143565	43.25742588	0.253252982	0.005208194	0.007616875
WV1010921	044	2003 to 2004	4.671801894	0.908405924	0.129772275	51.90890994	0.302224544	0.005087073	0.009140249
WV1010921	044	2004 to 2005	2.811732759	1.86006931	0.432574252	69.21188085	0.181894411	0.010416388	0.030467498
WV1010921	045	2003 to 2004	2.249386219	0.432574273	0.043257427	17.30297091	0.145515529	0.002422416	0.00304675
WV1010921	045	2004 to 2005	2.249386219	0.432574273	0.043257427	17.30297091	0.145515529	0.002422416	0.00304675
WV1010921	046	2003 to 2004	12.32836638	6.921188141	0.648861388	86.51485176	0.797537009	0.038758652	0.045701248
WV1010921	046	2004 to 2005	2.43971883	1.332328725	0.138423762	39.79683212	0.157828377	0.007461041	0.0097496
WV1010921	047	2003 to 2004	4.347371256	2.444044596	0.692118805	80.02623907	0.281236732	0.013686649	0.048747997
WV1010921	047	2004 to 2005	4.455514802	2.321481833	0.115353135	103.8178217	0.288232669	0.013000298	0.008124666
WV1010921	048	2003 to 2004	1.514009955	1.081435682	0.302801991	21.62871364	0.097943145	0.00605604	0.02132725
WV1010921	048	2004 to 2005	0.25954455	1.167950474	0.129772275	51.90890994	0.016790252	0.006540522	0.009140249
WV1010921	049	2003 to 2004	3.316402758	1.499590812	0.663280552	51.90891274	0.214542126	0.008397708	0.046716833
WV1010921	049	2004 to 2005	4.268066107	2.422415881	0.418155119	148.5171635	0.276106385	0.013565528	0.029451916
WV1010930	020	2003 to 2004	890.4850276	133.1710769	1281.655748	10080.52529	57.60655904	0.745758004	90.27084753
WV1010930	020	2004 to 2005	890.4850276	133.1710769	1281.655748	10080.52529	57.60655904	0.745758004	90.27084753
WV1010930	022	2003 to 2004	326.9089954	113.6318547	23856.45299	3352.9012	21.14814035	0.636338364	1680.281334
WV1010930	022	2004 to 2005	303.97354	95.77915172	15018.28455	3030.723448	19.66441786	0.53636323	1057.782697
WV1010948	003	2003 to 2004	96.15044319	47.56874926	3.741767358	1467.50817	6.220089065	0.266384986	0.263543866
WV1010948	003	2004 to 2005	48.49517964	18.94675265	3.741767358	911.2897762	3.137212129	0.106101811	0.263543866
WV1010948	004	2003 to 2004	70.70185983	86.30817881	3.395708024	1574.570332	4.573789268	0.483325784	0.239169872
WV1010948	004	2004 to 2005	42.91857673	18.57906479	3.395708024	608.487805	2.776454907	0.104042759	0.239169872
WV1010972	001	2003 to 2004	168.9470742	0	0	4743.003897	10.92939163	0	0
WV1010972	001	2004 to 2005	168.9470742	0	0	4743.003897	10.92939163	0	0
WV1011031	001	2003 to 2004	165.0991765	88.83993852	5.666722841	2686.646634	10.68046645	0.497503638	0.399124238
WV1011031	001	2004 to 2005	165.0991765	88.83993852	5.666722841	2686.646634	10.68046645	0.497503638	0.399124238
WV1011031	002	2003 to 2004	24.07996722	9.563495969	1.030968657	246.9278063	1.557762355	0.053555576	0.072614206
WV1011031	002	2004 to 2005	24.07996722	9.563495969	1.030968657	246.9278063	1.557762355	0.053555576	0.072614206

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1011031	003	2003 to 2004	20.76356509	7.267247867	1.340980253	173.0297119	1.343220269	0.040696587	0.09444925
WV1011031	003	2004 to 2005	20.76356509	7.267247867	1.340980253	173.0297119	1.343220269	0.040696587	0.09444925
WV1011031	005	2003 to 2004	15.28429055	5.511717038	0.793052812	94.44538021	0.988759338	0.030865614	0.055857081
WV1011031	005	2004 to 2005	15.28429055	5.511717038	0.793052812	94.44538021	0.988759338	0.030865614	0.055857081
WV1011031	006	2003 to 2004	19.37932686	2.707914868	1.31502575	53.63920815	1.253672215	0.015164323	0.092621197
WV1011031	006	2004 to 2005	19.37932686	2.707914868	1.31502575	53.63920815	1.253672215	0.015164323	0.092621197
WV1011031	007	2003 to 2004	18.1681195	4.412257606	0.908405975	158.6105672	1.175317739	0.024708642	0.06398175
WV1011031	007	2004 to 2005	18.1681195	4.412257606	0.908405975	158.6105672	1.175317739	0.024708642	0.06398175
WV1011057	001	2003 to 2004	40.08521487	22.13698783	2.844175768	1301.688049	2.593161284	0.123967127	0.200323806
WV1011057	001	2004 to 2005	33.09193067	54.05736305	2.281829195	2268.491504	2.140757227	0.302721222	0.160716055
WV1011111	001	2003 to 2004	4.325742476	10.81435619	2.162871238	0	0.27983754	0.060560393	0.15233749
WV1011111	001	2004 to 2005	0.173029709	0.183844066	0.03244307	0	0.011193502	0.001029527	0.002285062
WV1011111	002	2003 to 2004	27.79722277	43.03248869	3.300541695	3510.01581	1.798236136	0.240981928	0.232467023
WV1011111	002	2004 to 2005	1.557267382	1.643782237	0.173029709	95.16634002	0.10074152	0.00920518	0.012187
WV1011111	003	2003 to 2004	58.85615164	162.0578006	8.762332292	12579.34546	3.807476004	0.907523651	0.61715727
WV1011111	003	2004 to 2005	3.108046109	7.734428051	2.158545607	964.2080639	0.201063281	0.043312796	0.152032823
WV1011111	004	2003 to 2004	12.37910154	19.21400974	1.454431015	1337.288126	0.800819128	0.107598451	0.102439926
WV1011111	004	2004 to 2005	8.510898518	17.46879043	1.450926156	374.897684	0.550580372	0.097825223	0.102193069
WV1011111	005	2003 to 2004	118.2730101	197.5278226	10.24119543	3568.467216	7.651224812	1.106155767	0.721318023
WV1011111	005	2004 to 2005	118.2730101	197.5278226	10.24119543	3568.467216	7.651224812	1.106155767	0.721318023
WV1011111	006	2003 to 2004	31.5238492	62.29069249	13.30165858	543.4214305	2.03931613	0.348827865	0.936875597
WV1011111	006	2004 to 2005	0.583975237	0.713747512	0.389316825	0	0.037778068	0.003996986	0.027420748
WV1011111	009	2003 to 2004	475.9598906	646.5623417	115.2672955	17581.2178	30.79042397	3.620748985	8.118620365
WV1011111	009	2004 to 2005	22.10184155	9.3625291	1.649189365	529.6331171	1.429795001	0.052430161	0.116157339
WV1011111	012	2003 to 2004	0.129772282	0.173029709	0.216287136	24.87302069	0.008395127	0.000968966	0.01523375
WV1011111	012	2004 to 2005	0.129772282	0.173029709	0.216287136	24.87302069	0.008395127	0.000968966	0.01523375
WV1011111	013	2003 to 2004	197.3620132	424.4635067	127.068694	18992.71421	12.76758858	2.376995553	8.949828152
WV1011111	013	2004 to 2005	35.90366524	139.7214918	67.04901322	7699.822181	2.322651754	0.782440326	4.72246253
WV1011111	017	2003 to 2004	1.926036946	0.91489459	0.547206456	150.8602774	0.124597672	0.00512341	0.038541387
WV1011111	017	2004 to 2005	1.926036946	0.91489459	0.547206456	150.8602774	0.124597672	0.00512341	0.038541387
WV1011120	001	2003 to 2004	1775.648867	833.4264165	188.11213	77140.9699	114.868884	4.667187766	13.24929992

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1011120	001	2004 to 2005	611.7032731	277.9469937	57.75226973	9737.9678	39.57182842	1.556503109	4.067665082
WV1011120	005	2003 to 2004	1.643782195	6.575128779	0.821891097	821.8910973	0.106338269	0.03682072	0.057888248
WV1011120	005	2004 to 2005	1.643782195	6.575128779	0.821891097	821.8910973	0.106338269	0.03682072	0.057888248
WV1011120	008	2003 to 2004	125.9970865	20.46076286	4.844831779	2131.804633	8.150904706	0.114580268	0.341235992
WV1011120	008	2004 to 2005	125.9970865	20.46076286	4.844831779	2131.804633	8.150904706	0.114580268	0.341235992
WV1011120	010	2003 to 2004	32.48632752	9.195807997	7.458301408	902.6383018	2.101580023	0.051496523	0.525310474
WV1011120	010	2004 to 2005	19.36359718	5.352123391	9.504836392	715.7137888	1.252654643	0.02997189	0.669454054
WV1011120	012	2003 to 2004	454.5454303	268.7475765	151.0369106	11161.85795	29.4050965	1.504986375	10.63798133
WV1011120	012	2004 to 2005	141.6500469	37.51860751	13.84958593	3661.020192	9.163513743	0.210104195	0.975467758
WV1011138	001	2003 to 2004	23.7129349	10.16942777	3.908898372	1276.88059	1.534018588	0.056948793	0.275315403
WV1011138	001	2004 to 2005	50.95364331	37.9043205	7.944947479	2668.262259	3.296253133	0.212264187	0.559586413
WV1011138	DIC	2003 to 2004	193.0002912	193.0002912	27.57147018	789.2000122	12.48542348	1.080801592	1.941941105
WV1011138	DIC	2004 to 2005	193.0002912	193.0002912	27.57147018	789.2000122	12.48542348	1.080801592	1.941941105
WV1011138	UIC	2003 to 2004	181.7387025	141.3523242	20.19318917	789.2000122	11.75689762	0.791572987	1.422266707
WV1011138	UIC	2004 to 2005	181.7387025	141.3523242	20.19318917	789.2000122	11.75689762	0.791572987	1.422266707
WV1011146	002	2003 to 2004	230.7783725	58.97609405	15.92954713	4005.096987	14.92933348	0.330266115	1.121965646
WV1011146	002	2004 to 2005	230.7783725	58.97609405	15.92954713	4005.096987	14.92933348	0.330266115	1.121965646
WV1011146	003	2003 to 2004	755.5288077	267.4444488	65.16731396	45600.89851	48.87607711	1.49768886	4.589928824
WV1011146	003	2004 to 2005	755.5288077	267.4444488	65.16731396	45600.89851	48.87607711	1.49768886	4.589928824
WV1011154	001	2003 to 2004	12.00844203	7.455147218	76.84501731	5848.933603	0.776840714	0.041748823	5.412424396
WV1011154	001	2004 to 2005	18.963425	32.5759957	214.527553	7600.915713	1.226767018	0.182425569	15.10981716
WV1011154	002	2003 to 2004	19.46584204	8.119779483	106.4290405	4925.376298	1.259268987	0.045470763	7.496115631
WV1011154	002	2004 to 2005	27.42115331	18.93533465	143.4877379	19705.83059	1.773907745	0.10603787	10.10627052
WV1011154	003	2003 to 2004	34.94163686	433.4213865	5637.064517	1991.193409	2.260416969	2.427159678	397.0353132
WV1011154	003	2004 to 2005	36.86397999	343.504436	3427.241061	1784.089506	2.384775683	1.923624773	241.3908381
WV1011154	012	2003 to 2004	26.65288301	48.70515854	237.8707862	2012.37152	1.724207405	0.272748878	16.75395089
WV1011154	012	2004 to 2005	17.92029053	20.34225603	110.8719425	589.3824409	1.159285381	0.11391663	7.809042501
WV1011162	001	2003 to 2004	28.72293127	86.54909824	72.30929406	1160.966243	1.858121344	0.484674933	5.092959843
WV1011162	001	2004 to 2005	102.6012056	141.1561902	85.27300545	1092.610494	6.637396725	0.790474637	6.006032808
WV1011162	002	2003 to 2004	3.919712709	26.85008141	8.840244981	288.3009194	0.253570981	0.150360451	0.622644893
WV1011162	002	2004 to 2005	4.280682841	14.97968623	5.542357729	119.5662297	0.276922577	0.08388624	0.390364831

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1011162	003	2003 to 2004	1.488776374	13.53236442	1.479764408	77.14240994	0.096310754	0.075781238	0.104224233
WV1011162	003	2004 to 2005	2.827954306	13.28543729	1.616746338	52.8551688	0.182943802	0.074398446	0.11387228
WV1011162	005	2003 to 2004	77.53082796	187.6020554	41.77045343	4260.766473	5.015563519	1.050571473	2.942017962
WV1011162	005	2004 to 2005	116.3588736	154.2163318	104.5658181	3903.622325	7.527396994	0.863611427	7.364883305
WV1011162	006	2003 to 2004	58.64355368	103.3050447	100.2824315	2573.456425	3.793722784	0.57850823	7.063191576
WV1011162	006	2004 to 2005	83.283162	70.215815	92.61595252	2022.555034	5.387689002	0.39320855	6.523218531
WV1011235	001	2003 to 2004	0.519089127	0.778633691	0	8.651485456	0.033580507	0.004360349	0
WV1011235	001	2004 to 2005	0.519089127	0.778633691	0	8.651485456	0.033580507	0.004360349	0
WV1011235	003	2003 to 2004	24.53417005	23.80600339	1.211207927	199.7051162	1.587145288	0.133313614	0.085308997
WV1011235	003	2004 to 2005	6.575128933	14.1451786	0.994920813	71.37475466	0.425353084	0.079212997	0.070075248
WV1011235	004	2003 to 2004	52.35446141	51.35629642	4.936753671	509.8968963	3.386873759	0.28759525	0.347710326
WV1011235	004	2004 to 2005	3.46059407	18.16811887	2.162871294	86.51485176	0.223870038	0.101741462	0.152337494
WV1011235	005	2003 to 2004	38.94466167	43.6424181	3.304867408	475.8317033	2.519377511	0.244397533	0.232771696
WV1011235	005	2004 to 2005	21.41242581	39.003779	2.667541263	540.7178235	1.385195858	0.218421155	0.187882909
WV1011243	001	2003 to 2004	13.77298438	29.11990834	6.32820107	505.165638	0.890991104	0.163071481	0.445714128
WV1011243	001	2004 to 2005	17.04582887	27.82173419	3.611995029	631.4382525	1.102715393	0.155801706	0.254403613
WV1011243	002	2003 to 2004	32.17045714	129.30095	29.48128708	2031.251537	2.081145983	0.724085294	2.076455221
WV1011243	002	2004 to 2005	10.39379826	20.81162852	2.960730522	248.3096394	0.672387446	0.116545116	0.208533106
WV1011286	015	2003 to 2004	28.20744636	33.21629564	38.07734868	691.75833	1.824773998	0.186011249	2.681901549
WV1011286	015	2004 to 2005	25.59397738	30.55055751	30.82091637	1373.42331	1.655705513	0.171083116	2.170809319
WV1011286	016	2003 to 2004	17.54268887	22.18385014	12.96821596	753.7606499	1.134857871	0.124229556	0.913390235
WV1011286	016	2004 to 2005	12.88350317	16.64870168	10.56562622	636.6051184	0.833449484	0.093232726	0.744168654
WV1011316	003	2003 to 2004	296.0159828	86.25470893	632.1826577	3372.276909	19.14963381	0.483026353	44.52651531
WV1011316	003	2004 to 2005	196.4228691	191.1286117	1893.694125	6123.457691	12.7068342	1.070320187	133.3785409
WV1011316	004	2003 to 2004	196.042653	168.1992957	456.2925584	2355.126597	12.68223756	0.941916023	32.13804956
WV1011316	004	2004 to 2005	75.08705292	151.2570297	386.2388086	2410.279754	4.857472741	0.847039336	27.20395445
WV1011359	001	2003 to 2004	38.24000168	0.367688132	0.151400995	8.651485456	2.473792315	0.002059053	0.010663625
WV1011359	001	2004 to 2005	38.24000168	0.367688132	0.151400995	8.651485456	2.473792315	0.002059053	0.010663625
WV1011359	002	2003 to 2004	1.189579212	3.785024765	2.271014859	151.4009906	0.076955325	0.021196138	0.159954369
WV1011359	002	2004 to 2005	0.13517946	0.27035892	0.162215352	15.14009955	0.008744924	0.00151401	0.011425312
WV1011375	001	2003 to 2004	96.97161306	35.15179435	12.20974855	2435.739172	6.273211543	0.196850041	0.859969107

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1011375	001	2004 to 2005	124.7585326	1298.293124	352.858769	8623.368289	8.070781149	7.270441235	24.85289843
WV1011375	GW-1	2003 to 2004	0.639527434	2.953578291	16.91142556	96.97473872	0.041371807	0.016540038	1.191122281
WV1011375	GW-1	2004 to 2005	0.639527434	2.953578291	16.91142556	96.97473872	0.041371807	0.016540038	1.191122281
WV1011448	002	2003 to 2004	0.865148518	13.84237628	5.190891106	86.51485176	0.055967509	0.077517304	0.365609985
WV1011448	002	2004 to 2005	0.865148518	13.84237628	5.190891106	86.51485176	0.055967509	0.077517304	0.365609985
WV1011456	001	2003 to 2004	127.2957909	579.5810173	77.68312774	1815.009511	8.234919471	3.245653581	5.471455021
WV1011456	001	2004 to 2005	177.2661834	471.0301265	161.6824991	2081.036177	11.46756492	2.637768615	11.38778197
WV1011456	002	2003 to 2004	1.099459592	2.806325564	1.36441134	12.88710838	0.071125378	0.015715423	0.096099571
WV1011456	002	2004 to 2005	1.166148106	1.696051582	1.504997953	17.8436882	0.075439539	0.009497889	0.106001507
WV1011456	G-10	2003 to 2004	1.48589262	12.80527997	0.666164382	789.2000122	0.0961242	0.071709565	0.04691995
WV1011456	G-10	2004 to 2005	0.917057433	12.63549418	1.029526745	789.2000122	0.05932556	0.070758765	0.072512648
WV1011456	G-14	2003 to 2004	438.00417	3807.583705	23.67587183	789.2000122	28.33502226	21.32246799	1.667562462
WV1011456	G-14	2004 to 2005	1037.41042	10655.36389	67.15499125	789.2000122	67.11134128	59.67003563	4.72992688
WV1011456	G-5	2003 to 2004	0.85541559	27.84804955	1.203637871	789.2000122	0.055337874	0.155949072	0.084775815
WV1011456	G-5	2004 to 2005	2.000656008	114.3596591	2.305620848	789.2000122	0.129424869	0.640414068	0.162391772
WV1011456	G-7	2003 to 2004	2.044994847	29.97631531	1.437227996	789.2000122	0.132293203	0.16786736	0.101228266
WV1011456	G-7	2004 to 2005	1.678388176	71.17252679	6.343701777	789.2000122	0.108576972	0.398566136	0.446805889
WV1011545	001	2003 to 2004	32692.57847	33353.0686	20481.74048	2182835.758	2114.922648	186.7771775	1442.590238
WV1011545	001	2004 to 2005	11746.2657	19640.40352	10140.98263	726729.2701	759.8802086	109.9862558	714.2597358
WV1011570	001	2003 to 2004	51.52261426	57.0791939	37.03634238	729.5310963	3.333060555	0.319643474	2.608580362
WV1011570	001	2004 to 2005	15.34989763	30.13573676	25.20421027	746.1906072	0.993003539	0.16876012	1.77520791
WV1011570	004	2003 to 2004	23.11133431	202.8344384	399.8612627	4888.157666	1.495100314	1.135872814	28.16342463
WV1011570	004	2004 to 2005	135.3020582	204.1142073	232.4635009	7163.233478	8.752854641	1.14303952	16.37309962
WV1011596	001	2003 to 2004	21.83068929	110.1808271	145.2171986	2942.212461	1.412253831	0.61701261	10.22808161
WV1011596	001	2004 to 2005	44.37346865	42.71076133	63.75701312	1458.552122	2.870573634	0.239180255	4.490597118
WV1011596	002	2003 to 2004	0.259544564	0.994920827	0.259544564	12.97722818	0.016790253	0.005571556	0.0182805
WV1011596	002	2004 to 2005	0.259544564	0.994920827	0.259544564	12.97722818	0.016790253	0.005571556	0.0182805
WV1011596	003	2003 to 2004	2.581026366	1.268884466	0.263870292	50.00558347	0.166969734	0.007105753	0.018585174
WV1011596	003	2004 to 2005	2.581026366	1.268884466	0.263870292	50.00558347	0.166969734	0.007105753	0.018585174
WV1011596	004	2003 to 2004	2.437285589	4.436995288	3.603208401	115.2404863	0.157670968	0.024847173	0.253784744
WV1011596	004	2004 to 2005	8.586598968	14.56848298	7.165283556	340.6522253	0.555477526	0.081583502	0.504672351



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1011596	GW-6	2003 to 2004	38.24000168	54184.536	5502.0735	789.2000122	2.473792315	303.4333908	387.5274921
WV1011596	GW-6	2004 to 2005	38.24000168	54184.536	5502.0735	789.2000122	2.473792315	303.4333908	387.5274921
WV1011626	003	2003 to 2004	30.92906121	80.1235712	20.17959024	865.1485624	2.000838572	0.448691983	1.421308894
WV1011626	003	2004 to 2005	68.6351159	23.6473925	12.83303631	1730.29705	4.440089091	0.132425393	0.903869128
WV1011634	001	2003 to 2004	1.992004476	12.43252197	49.48115481	187.4263129	0.128865191	0.069622121	3.485105721
WV1011634	001	2004 to 2005	23.02524846	13.68402353	25.58259707	742.5271778	1.489531316	0.076630529	1.801858824
WV1011634	GW-2	2003 to 2004	1.422087923	79.87808365	3.289727362	101.3478256	0.091996597	0.447317252	0.231705337
WV1011634	GW-2	2004 to 2005	2.299781054	25.33046752	1.081435656	101.3478256	0.148775632	0.141850613	0.076168748
WV1011642	001	2003 to 2004	108.7924265	144.4798041	266.1052662	2865.804493	7.037914337	0.809086874	18.74258976
WV1011642	001	2004 to 2005	380.7806942	1354.101593	921.6955725	15393.77957	24.63316604	7.582968649	64.91777577
WV1011651	001	2003 to 2004	0.720957114	4.591415254	1.378109491	108.1435632	0.046639592	0.025711925	0.097064373
WV1011651	001	2004 to 2005	0.720957114	4.591415254	1.378109491	108.1435632	0.046639592	0.025711925	0.097064373
WV1011651	002	2003 to 2004	8.432945252	26.16416406	7.772728629	886.3266321	0.545537481	0.146519314	0.547456524
WV1011651	002	2004 to 2005	19.41357258	24.84237969	12.16975601	1948.242415	1.255887612	0.139117321	0.857152313
WV1011693	001	2003 to 2004	9.516633582	8.564970224	2.854990075	47.58316791	0.615642596	0.047963832	0.20108549
WV1011693	001	2004 to 2005	9.516633582	8.564970224	2.854990075	47.58316791	0.615642596	0.047963832	0.20108549
WV1011693	004	2003 to 2004	1.8722355	4.678560924	1.17200589	68.94152285	0.121117191	0.02619994	0.08254788
WV1011693	004	2004 to 2005	3.532689934	6.293955617	0.717352336	96.06753674	0.228534007	0.03524615	0.05052527
WV1011715	001	2003 to 2004	6.177701282	10.79444036	4.794364871	620.92432	0.399643007	0.060448864	0.337681457
WV1011715	001	2004 to 2005	9.750485424	11.52388306	4.486384585	1134.196531	0.630770756	0.064533743	0.315989484
WV1011715	003	2003 to 2004	9.707687446	43.38161146	23.59683613	1151.548746	0.628002103	0.242937016	1.661995742
WV1011715	003	2004 to 2005	24.06030433	63.56816411	22.06033724	2625.234184	1.556490339	0.355981706	1.55377553
WV1011715	006	2003 to 2004	12.69010678	12.69821755	11.41509414	354.2039749	0.820938436	0.071110016	0.80399922
WV1011715	006	2004 to 2005	12.69010678	12.69821755	11.41509414	354.2039749	0.820938436	0.071110016	0.80399922
WV1011723	001	2003 to 2004	17.62532843	43.29780026	13.33653486	2337.703422	1.140203924	0.242467673	0.939332037
WV1011723	001	2004 to 2005	29.12089936	50.13157259	12.1061316	2472.239768	1.883866384	0.280736797	0.852671055
WV1011731	001	2003 to 2004	61.74529118	84.78888236	66.34355508	1135.327219	3.994377953	0.474817724	4.672775004
WV1011731	001	2004 to 2005	1277.323433	1134.117346	775.9868508	17837.31823	82.6316058	6.35105691	54.65507472
WV1011731	002	2003 to 2004	62069.32605	178.55076	13425.31627	319669.4702	4015.340163	0.99988422	945.5851772
WV1011731	002	2004 to 2005	70641.98867	60.25224	37537.61894	328959.3888	4569.91613	0.337412532	2643.886769
WV1011731	003	2003 to 2004	0.941930444	2.657087375	0.341635359	35.39243971	0.060934626	0.014879689	0.0240624

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1011731	003	2004 to 2005	5.017861601	1.919950007	0.988741192	313.3073673	0.324611567	0.01075172	0.069639999
WV1011740	001	2003 to 2004	90.84059307	70.50960303	3.914796961	3482.233518	5.876588406	0.394853763	0.275730858
WV1011740	001	2004 to 2005	90.84059307	70.50960303	3.914796961	3482.233518	5.876588406	0.394853763	0.275730858
WV1011740	002	2003 to 2004	6.627037859	4.343045699	1.366934702	501.7861564	0.428711136	0.024321055	0.096277299
WV1011740	002	2004 to 2005	6.627037859	4.343045699	1.366934702	501.7861564	0.428711136	0.024321055	0.096277299
WV1011740	003	2003 to 2004	1.467971661	4.834326348	0.554776513	113.5507435	0.094964871	0.027072227	0.039074569
WV1011740	003	2004 to 2005	2.943307453	3.204654366	0.554776513	218.4501856	0.190406137	0.017946064	0.039074569
WV1011740	004	2003 to 2004	1.551860202	3.88065469	1.83303341	60.71488903	0.100391723	0.021731665	0.129106025
WV1011740	004	2004 to 2005	2.73684324	2.523530077	1.83303341	177.8961624	0.177049717	0.014131768	0.129106025
WV1011791	001	2003 to 2004	84.73949657	194.3407483	120.021335	13708.43624	5.481901055	1.088308152	8.453461585
WV1011791	001	2004 to 2005	51.11586162	72.72655224	46.79011836	1826.725164	3.306747232	0.407268678	3.295567975
WV1011791	002	2003 to 2004	125.0274789	265.9971224	69.84722514	21888.93388	8.088179614	1.489583832	4.919548965
WV1011791	002	2004 to 2005	101.084194	167.9709896	83.3186105	9293.737853	6.539259401	0.940637508	5.868378926
WV1011821	001	2003 to 2004	40.92152564	173.6731606	60.61807471	697.345765	2.647263244	0.972569665	4.269512297
WV1011821	001	2004 to 2005	77.27218475	207.3112208	60.61807471	2113.846304	4.998831575	1.160942795	4.269512297
WV1011821	DTWB-2	2003 to 2004	442.5234751	201.7237997	60.56039735	3633.623841	28.6273816	1.129653238	4.265449909
WV1011821	DTWB-2	2004 to 2005	393.0297792	558.0208205	69.39212367	3497.543265	25.42557424	3.124916484	4.887494808
WV1011839	001	2003 to 2004	80.96348231	69.75259921	51.98100709	2579.224058	5.237626102	0.390614542	3.661177794
WV1011839	001	2004 to 2005	80.96348231	69.75259921	51.98100709	2579.224058	5.237626102	0.390614542	3.661177794
WV1011855	001	2003 to 2004	50.32280701	50.07047188	26.78355695	796.2070171	3.255443565	0.280394633	1.88644602
WV1011855	001	2004 to 2005	49.99837601	41.67132107	26.72047268	915.1649371	3.23445573	0.23335939	1.882002806
WV1011910	001	2003 to 2004	20.09956383	11.49998715	0.772145067	196.8212911	1.30026522	0.064399926	0.054384486
WV1011910	001	2004 to 2005	20.09956383	11.49998715	0.772145067	196.8212911	1.30026522	0.064399926	0.054384486
WV1011936	001	2003 to 2004	223.5841223	321.7208082	16.56218736	8356.756031	14.4639287	1.801636462	1.16652439
WV1011936	001	2004 to 2005	142.4205706	126.983077	14.54530984	4774.53853	9.213359862	0.711105206	1.024469674
WV1011961	001	2003 to 2004	1.606607828	2.580125199	0.140586639	21.76389223	0.103933414	0.014448701	0.009901937
WV1011961	001	2004 to 2005	46.65583895	916.0224432	493.1180024	907.3245398	3.018222944	5.129725499	34.73177572
WV1011961	008	2003 to 2004	372.0138601	52.990346	86.51484952	4866.460353	24.06602889	0.296745927	6.0934996
WV1011961	008	2004 to 2005	397.9683213	511.3989193	1053.558681	6248.294867	25.74505454	2.863833846	74.20528886
WV1011995	001	2003 to 2004	3.176356772	3.26593569	1.276094069	57.53237681	0.205482381	0.018289239	0.089879122
WV1011995	001	2004 to 2005	3.923809028	1.212109129	1.044076975	54.5223808	0.253835976	0.006787811	0.073537464

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1012029	001	2003 to 2004	5.07783197	5.196789888	0.830739207	168.7531209	0.328491124	0.029102022	0.058511447
WV1012029	001	2004 to 2005	6.477799779	7.591678547	0	229.5347235	0.419056743	0.042513398	0
WV1012029	002	2003 to 2004	7.018517421	21.4935336	1.92765905	523.4148582	0.454036425	0.120363784	0.135770792
WV1012029	002	2004 to 2005	3.893168329	5.623465365	0.865148518	0	0.251853792	0.031491405	0.060934998
WV1012126	001	2003 to 2004	20.76356442	63.73260746	332.9199653	850.7293757	1.343220226	0.356902589	23.44854885
WV1012126	001	2004 to 2005	24.30526628	85.75784715	332.9199653	204.3913381	1.572337225	0.480243927	23.44854885
WV1012193	008	2003 to 2004	0	18.79895676	0	444.7404188	0	0.105274154	0
WV1012193	008	2004 to 2005	0	46.6639486	0	1226.077679	0	0.261318103	0
WV1012193	014	2003 to 2004	0	77.52091437	0	1185.523866	0	0.434117105	0
WV1012193	014	2004 to 2005	0	195.9200983	0	2874.816518	0	1.097152512	0
WV1012207	001	2003 to 2004	233.9505809	31.27975422	43.69618027	480.6209078	15.1345475	0.175166617	3.077652662
WV1012207	001	2004 to 2005	233.9505809	3.6768812	43.69618027	480.6209078	15.1345475	0.020590534	3.077652662
WV1012258	001	2003 to 2004	19.22552308	66.57426123	13.4703627	464.5366963	1.243722462	0.37281585	0.948757932
WV1012258	001	2004 to 2005	0.190332675	0.057099803	0.009516634	0.951663376	0.012312852	0.000319759	0.000670285
WV1012398	001	2003 to 2004	38.24000168	31.18000031	8.089138936	789.2000122	2.473792315	0.174607992	0.569742248
WV1012398	001	2004 to 2005	38.24000168	31.18000031	14.16680744	789.2000122	2.473792315	0.174607992	0.997810618
WV1012401	003	2003 to 2004	38.24000168	4.028348011	21.55301262	0	2.473792315	0.022558748	1.51804314
WV1012401	003	2004 to 2005	38.24000168	0	2.335900947	0	2.473792315	0	0.16452449
WV1012401	004	2003 to 2004	150.0942612	32.85536821	850.3869471	5733.073574	9.709780238	0.183990055	59.89529602
WV1012401	004	2004 to 2005	44.89821263	6.906935887	737.1529467	4267.80747	2.90451996	0.03867884	51.9198867
WV1012401	007	2003 to 2004	197.6368747	99.21496412	3045.692334	6669.303909	12.7853697	0.555603779	214.5172201
WV1012401	007	2004 to 2005	61.44041509	79.33232004	424.856416	1619.314714	3.974655148	0.444260976	29.92390803
WV1012401	008	2003 to 2004	232.4603978	451.1992531	661.4594094	9666.844818	15.03814575	2.526715727	46.58856449
WV1012401	008	2004 to 2005	153.9468107	241.6035627	739.3408381	4992.133173	9.959006349	1.352979903	52.07398644
WV1012401	009	2003 to 2004	38.24000168	113.0668049	211.8856948	5445.974957	2.473792315	0.633174085	14.92374319
WV1012401	009	2004 to 2005	38.24000168	13.20703325	8.45412338	26.08963554	2.473792315	0.073959384	0.595449194
WV1012452	001	2003 to 2004	15.68081714	7.353762512	4.285188823	206.8245712	1.014411125	0.041181069	0.301818665
WV1012452	001	2004 to 2005	22.6831128	12.89612013	8.02965969	251.433789	1.467398144	0.07221827	0.565552947
WV1012452	002	2003 to 2004	29.43471186	14.9926305	8.130429769	465.0173255	1.904167296	0.083958728	0.572650485
WV1012452	002	2004 to 2005	42.91136647	36.03343589	6.16418318	781.8779741	2.775988466	0.201787234	0.434161857
WV1012452	003	2003 to 2004	15.09203568	10.23759107	3.244307034	307.6083721	0.976322136	0.057330508	0.228506247

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1012452	003	2004 to 2005	34.1517384	24.72161948	4.888089231	689.9559543	2.209317477	0.138441064	0.344282744
WV1012452	004	2003 to 2004	10.38178266	11.03064408	3.244307081	194.6584249	0.671610142	0.061771605	0.228506251
WV1012452	004	2004 to 2005	10.38178266	11.03064408	3.244307081	194.6584249	0.671610142	0.061771605	0.228506251
WV1012452	006	2003 to 2004	19.62805743	13.48189804	3.785024849	124.3651029	1.269762898	0.075498626	0.26659062
WV1012452	006	2004 to 2005	11.70654103	8.867772459	3.217271088	218.9907217	0.757310371	0.049659524	0.226602025
WV1012452	009	2003 to 2004	60.00165501	25.76520451	21.65574894	1117.934104	3.88158001	0.14428514	1.525279165
WV1012452	009	2004 to 2005	357.2252389	138.5138862	632.8922035	12925.40955	23.109335	0.775677735	44.57649074
WV1012452	011	2003 to 2004	103.4843816	82.67575702	129.7722804	1972.268297	6.69453046	0.462984223	9.140249829
WV1012452	011	2004 to 2005	135.2695792	147.9043541	249.8386794	2104.2936	8.750753533	0.828264353	17.59688541
WV1012452	012	2003 to 2004	113.0280519	115.4342465	21.43045021	991.316034	7.311922093	0.646431757	1.509410702
WV1012452	012	2004 to 2005	166.9412222	106.2186105	23.95920714	1885.663312	10.79963062	0.594824198	1.687518616
WV1012452	014	2003 to 2004	326.7918387	315.8513134	154.3569184	4909.717975	21.14056135	1.768767292	10.87181941
WV1012452	014	2004 to 2005	742.0991939	613.5705641	182.3841294	7521.385247	48.00729907	3.435995037	12.8458597
WV1012452	015	2003 to 2004	84.75752082	41.5992256	20.62838548	1866.377728	5.483067066	0.232955655	1.452918885
WV1012452	015	2004 to 2005	70.91514478	21.15107944	8.822712768	943.5526297	4.587586931	0.118446041	0.621410047
WV1012452	021	2003 to 2004	170.8560209	225.9876103	78.45815745	2569.491141	11.05288371	1.265530573	5.526042681
WV1012452	021	2004 to 2005	98.14028748	58.48404137	28.66885987	1398.296334	6.348814511	0.32751062	2.019233543
WV1012461	001	2003 to 2004	389.3168408	330.9193146	136.2608943	27252.17885	25.18537974	1.853148096	9.597262311
WV1012461	001	2004 to 2005	389.3168408	330.9193146	136.2608943	27252.17885	25.18537974	1.853148096	9.597262311
WV1012461	002	2003 to 2004	54.43226239	104.9037684	29.68090347	8332.461866	3.521289231	0.587461082	2.0905148
WV1012461	002	2004 to 2005	205.0492179	192.2342048	132.0342867	5735.889737	13.2648832	1.076511509	9.299569697
WV1012461	005	2003 to 2004	445.9480324	844.0975127	476.6815342	26481.74648	28.84892038	4.726945903	33.57410611
WV1012461	005	2004 to 2005	967.7551553	805.9939925	1007.941275	19472.87188	62.60525755	4.513566197	70.99231852
WV1012461	017	2003 to 2004	91.44079305	156.0007006	39.59947053	9050.625301	5.915416072	0.873603892	2.789109143
WV1012461	017	2004 to 2005	213.4033033	266.0872442	110.5047006	7987.754184	13.80531914	1.490088514	7.78317656
WV1012461	024	2003 to 2004	73.68632284	144.8691217	51.99542663	6199.555234	4.766857809	0.811267053	3.662193405
WV1012461	024	2004 to 2005	158.5835321	237.4472288	98.56385201	7052.988365	10.25896149	1.329704434	6.942146881
WV1012461	027	2003 to 2004	155.6915873	231.45066	102.8247035	9203.828503	10.07187807	1.29612365	7.242251397
WV1012461	027	2004 to 2005	301.2609449	365.3900784	124.1758508	7251.927422	19.48893679	2.046184366	8.746076554
WV1012461	028	2003 to 2004	188.5410982	238.1249228	134.224189	9006.151138	12.19695286	1.33349952	9.45381107
WV1012461	028	2004 to 2005	476.3183329	468.7663183	152.0228178	8358.145721	30.81361204	2.625091289	10.70742172

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1012487	005	2003 to 2004	288.0674254	242.7823096	337.6782917	5438.720241	18.63543197	1.359580885	23.78369201
WV1012487	005	2004 to 2005	81.24285543	168.9653136	188.3680722	2558.947184	5.255699089	0.946205722	13.26732669
WV1012487	006	2003 to 2004	143.8827642	303.6153218	337.4980542	9523.449333	9.307950943	1.700245741	23.77099734
WV1012487	006	2004 to 2005	107.7875953	94.48819	211.8487424	3064.743689	6.972910585	0.529133845	14.92114052
WV1012487	027	2003 to 2004	247.5135873	382.6254541	1050.704861	14914.23706	16.01195488	2.142702466	74.00428582
WV1012487	027	2004 to 2005	122.5582037	187.5569931	352.3047058	5107.530604	7.9284392	1.050319124	24.8138741
WV1012487	030	2003 to 2004	27.32427495	25.03523608	132.448835	1501.167916	1.767640566	0.140197317	9.328767577
WV1012487	030	2004 to 2005	23.73237587	35.63754077	89.99328951	627.2867469	1.535276248	0.199570221	6.338496531
WV1012487	075	2003 to 2004	10.34393187	7.212094426	764.2451541	170.3261125	0.669161528	0.040387727	53.8280719
WV1012487	075	2004 to 2005	10.34393187	7.212094426	764.2451541	170.3261125	0.669161528	0.040387727	53.8280719
WV1012487	076	2003 to 2004	1.38817014	0.911846883	7.319156444	137.6126884	0.089802414	0.005106342	0.515510078
WV1012487	076	2004 to 2005	1.293216814	0.447444007	0.410044353	33.74980451	0.083659768	0.002505686	0.02888065
WV1012487	078	2003 to 2004	5.263642317	3.72407115	86.17311958	233.0739613	0.340511421	0.020854798	6.069430538
WV1012487	078	2004 to 2005	1.827265751	2.143044941	0.772325289	69.03164142	0.118208043	0.012001051	0.05439718
WV1012487	082	2003 to 2004	6.488614162	2.595445665	0.648861416	259.5445665	0.419756339	0.014534495	0.04570125
WV1012487	082	2004 to 2005	6.488614162	2.595445665	0.648861416	259.5445665	0.419756339	0.014534495	0.04570125
WV1012487	083	2003 to 2004	5.61560056	6.913323403	7.175325798	370.4900339	0.363280027	0.03871461	0.505379656
WV1012487	083	2004 to 2005	2.418360466	0.880468854	0.35191718	125.8971347	0.156446679	0.004930625	0.02478658
WV1012487	122	2003 to 2004	86.24209134	166.4677955	256.5489834	930.6504932	5.579105738	0.932219621	18.06951219
WV1012487	122	2004 to 2005	5.052107051	6.440850744	20.04711385	38.34590693	0.326826947	0.036068763	1.411978185
WV1012487	201	2003 to 2004	25.57103777	20.04096893	7.407834349	1154.432554	1.654221522	0.112229422	0.521755928
WV1012487	201	2004 to 2005	12.90963796	10.34303065	5.242259285	369.6256863	0.835140175	0.05792097	0.369228
WV1012487	202	2003 to 2004	48.93496386	231.5255448	120.6774058	4829.347591	3.165662305	1.296543004	8.499670612
WV1012487	202	2004 to 2005	22.41771058	73.47544234	34.75193498	532.8774134	1.450228952	0.411462462	2.447682716
WV1012550	003	2003 to 2004	2.69277483	9.604230227	5.979257848	123.2836674	0.174198877	0.053783687	0.421137013
WV1012550	003	2004 to 2005	2.69277483	9.604230227	5.979257848	123.2836674	0.174198877	0.053783687	0.421137013
WV1012550	007	2003 to 2004	7.26724785	203.95012	214.3405541	289.8247652	0.470127099	1.142120631	15.09664628
WV1012550	007	2004 to 2005	7.26724785	203.95012	214.3405541	289.8247652	0.470127099	1.142120631	15.09664628
WV1012584	001	2003 to 2004	57.79536401	243.05267	128.2115739	1311.240752	3.738852363	1.361094903	9.030324602
WV1012584	001	2004 to 2005	23.02106154	185.3310356	119.6743737	1072.874285	1.489260459	1.037853762	8.429024057
WV1012592	008	2003 to 2004	134.0980221	46.62790127	37.52581762	1572.587695	8.674964077	0.261116238	2.643055567

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1012592	008	2004 to 2005	180.644819	73.80798529	72.99690861	2825.250717	11.68613296	0.413324703	5.141390592
WV1012631	004	2003 to 2004	38.24000168	0.757004977	13.35573067	332.0007544	2.473792315	0.004239228	0.940684055
WV1012631	004	2004 to 2005	38.24000168	0.757004977	13.35573067	332.0007544	2.473792315	0.004239228	0.940684055
WV1012746	001	2003 to 2004	30.39927406	18.63640048	1.611771724	218.4500045	1.966565997	0.104363839	0.113521903
WV1012746	001	2004 to 2005	47.3409273	26.85421032	5.995479324	1090.087152	3.062542142	0.150383572	0.42227954
WV1012878	007	2003 to 2004	2.595445553	2.379158423	8.262168343	173.0297035	0.167902528	0.013323287	0.581929227
WV1012878	007	2004 to 2005	2.595445553	2.379158423	8.262168343	173.0297035	0.167902528	0.013323287	0.581929227
WV1012886	001	2003 to 2004	190.8103128	14.13526545	557.1962132	6664.685245	12.34375111	0.079157484	39.24499575
WV1012886	001	2004 to 2005	458.0912277	26.30739699	2791.5531	5613.388539	29.63447845	0.147321418	196.6174337
WV1012886	002	2003 to 2004	22.78978223	70.72884321	16.26282589	2461.851426	1.474298719	0.396081508	1.145439466
WV1012886	002	2004 to 2005	2.909062016	2.182877936	4.562036312	33.36229071	0.188190758	0.012224116	0.321317862
WV1012886	008	2003 to 2004	0.962477727	3.017205436	13.80993315	15.14009937	0.062263854	0.01689635	0.972674895
WV1012886	008	2004 to 2005	0.854334156	3.211863883	4.877274783	49.92627829	0.055267915	0.017986437	0.34352105
WV1012886	013	2003 to 2004	81.48307333	10.286556	145.3580716	940.2181876	5.271239077	0.057604712	10.23800372
WV1012886	013	2004 to 2005	24.07095539	8.025153734	48.25456078	477.6340779	1.557179369	0.044940859	3.398713035
WV1012886	019	2003 to 2004	67.29684068	4.670900921	200.5810836	1205.654326	4.35351444	0.026157044	14.12752562
WV1012886	019	2004 to 2005	18.73767528	1.819966063	48.38208002	419.7772699	1.212162994	0.01019181	3.407694596
WV1012932	001	2003 to 2004	47.20106239	173.9537344	113.0016152	2013.573158	3.053494111	0.974140878	7.95904172
WV1012932	001	2004 to 2005	20.17147873	93.79922435	58.89678925	1102.163193	1.304917482	0.525275638	4.148277014
WV1012975	002	2003 to 2004	20.76356532	14.92381257	5.839752746	291.9876373	1.343220284	0.083573347	0.411311251
WV1012975	002	2004 to 2005	20.76356532	14.92381257	5.839752746	291.9876373	1.343220284	0.083573347	0.411311251
WV1012975	006	2003 to 2004	1.124693109	0.605603982	0.216287136	12.97722818	0.072757765	0.003391382	0.01523375
WV1012975	006	2004 to 2005	1.124693109	0.605603982	0.216287136	12.97722818	0.072757765	0.003391382	0.01523375
WV1012975	019	2003 to 2004	24.91627734	4.844831729	10.92250005	58.39752578	1.611864273	0.027131057	0.769304345
WV1012975	019	2004 to 2005	23.35901073	3.287564473	18.86023829	51.90891274	1.511122803	0.01841036	1.32838299
WV1013009	001	2003 to 2004	41.52712885	20.54727729	118.3090598	1167.950499	2.686440452	0.115064749	8.332860918
WV1013009	001	2004 to 2005	41.52712885	20.54727729	118.3090598	1167.950499	2.686440452	0.115064749	8.332860918
WV1013009	003	2003 to 2004	32.42865036	2.955924121	303.3451032	825.7361995	2.097848817	0.016553174	21.36550286
WV1013009	003	2004 to 2005	30.96510736	1.874488455	575.7383145	276.8925855	2.003170441	0.010497135	40.55097141
WV1013009	004	2003 to 2004	113.6102232	50.11913564	272.3425756	3635.786704	7.34958346	0.28066715	19.18190212
WV1013009	004	2004 to 2005	69.86074443	14.04664767	282.3147936	635.0430534	4.519376491	0.078661224	19.88427526

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1013009	006	2003 to 2004	25.11093601	12.30313291	48.19598238	426.0856481	1.624456979	0.068897542	3.394587183
WV1013009	006	2004 to 2005	20.83566037	5.380142441	35.95773569	190.1524381	1.3478842	0.030128797	2.532610867
WV1013076	001	2003 to 2004	256.8409687	163.7553133	511.9933447	3806.00467	16.61535452	0.917029722	36.06122253
WV1013076	001	2004 to 2005	271.2817441	438.4410546	920.5180398	2906.358343	17.54954583	2.455269818	64.83483862
WV1013076	002	2003 to 2004	275.8093484	277.6131828	1241.494616	4365.863851	17.84244207	1.554633768	87.44217883
WV1013076	002	2004 to 2005	134.0042965	171.5391266	504.6068888	1549.87752	8.668900856	0.960619074	35.54097235
WV1013076	003	2003 to 2004	76.99821975	191.122124	303.5211404	1450.745959	4.981108446	1.070283856	21.37790168
WV1013076	003	2004 to 2005	102.8625555	367.2879887	515.2428103	1473.275845	6.654303769	2.056812664	36.29009211
WV1013076	011	2003 to 2004	92.2825105	72.02361559	148.358555	2931.411625	5.969867797	0.403332233	10.44933674
WV1013076	011	2004 to 2005	92.2825105	72.02361559	148.358555	2931.411625	5.969867797	0.403332233	10.44933674
WV1013076	012	2003 to 2004	56.36983462	80.35742891	4079.229417	1710.020155	3.646633134	0.450001586	287.3123279
WV1013076	012	2004 to 2005	189.6333475	272.2523274	7129.896285	3286.482955	12.2676118	1.524612979	502.1799194
WV1013076	016	2003 to 2004	2.595445637	2.898247628	2.292643646	129.7722818	0.167902534	0.016230186	0.161477749
WV1013076	016	2004 to 2005	2.595445637	2.898247628	2.292643646	129.7722818	0.167902534	0.016230186	0.161477749
WV1013076	017	2003 to 2004	3.748977031	0.966082543	3.590366464	252.3349925	0.242525882	0.005410062	0.252880248
WV1013076	017	2004 to 2005	3.748977031	0.966082543	3.590366464	252.3349925	0.242525882	0.005410062	0.252880248
WV1013076	018	2003 to 2004	186.1547313	38.40899024	4871.14314	3229.707628	12.04257589	0.215090338	343.0891799
WV1013076	018	2004 to 2005	186.1547313	38.40899024	4871.14314	3229.707628	12.04257589	0.215090338	343.0891799
WV1013076	019	2003 to 2004	6.056039819	6.748158656	0.259544564	250.8930782	0.391772579	0.037789687	0.0182805
WV1013076	019	2004 to 2005	6.056039819	6.748158656	0.259544564	250.8930782	0.391772579	0.037789687	0.0182805
WV1013076	023	2003 to 2004	89.97544941	48.0319662	195.691195	1635.130762	5.820621211	0.268979001	13.78311614
WV1013076	023	2004 to 2005	160.8239037	146.8075957	310.7298114	3161.757428	10.40389385	0.822122507	21.88562994
WV1013076	026	2003 to 2004	7.786336491	8.435197865	36.20646468	908.4059239	0.503707574	0.047237106	2.550129593
WV1013076	026	2004 to 2005	7.786336491	8.435197865	36.20646468	908.4059239	0.503707574	0.047237106	2.550129593
WV1013076	028	2003 to 2004	206.4460666	215.7356004	239.2676352	1745.917777	13.35524703	1.208119319	16.85233515
WV1013076	028	2004 to 2005	120.482745	192.1269549	82.38827285	4652.426209	7.794175251	1.075910909	5.802852463
WV1013076	029	2003 to 2004	6.921188365	5.190891274	1.038178255	432.5742728	0.44774009	0.02906899	0.073121999
WV1013076	029	2004 to 2005	6.921188365	5.190891274	1.038178255	432.5742728	0.44774009	0.02906899	0.073121999
WV1013076	030	2003 to 2004	175.3007219	153.2502489	215.4922778	6963.364217	11.34041683	0.858201363	15.17776562
WV1013076	030	2004 to 2005	96.97503988	160.6229364	69.37950545	5610.12774	6.273433228	0.899488412	4.886606068
WV1013076	031	2003 to 2004	173.029699	69.21187962	99.49207695	2162.871238	11.19350159	0.387586512	7.00752454

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1013076	031	2004 to 2005	74.97953894	130.6374279	74.18648702	6535.476265	4.850517531	0.73156957	5.225176157
WV1013076	032	2003 to 2004	69.09172309	123.5840651	37.87427989	2092.578033	4.469627565	0.69207074	2.667598807
WV1013076	032	2004 to 2005	95.59675056	172.5809121	204.3210493	1900.082462	6.184270016	0.966453074	14.39094258
WV1013076	036	2003 to 2004	73.50157674	84.72928299	32.17631562	1813.32729	4.754906359	0.474483968	2.266274141
WV1013076	036	2004 to 2005	86.3457566	163.3518413	221.1113214	1497.690096	5.58581197	0.914770279	15.57353167
WV1013106	001	2003 to 2004	23.89864635	21.65466748	29.13387659	1927.172403	1.546032487	0.121266134	2.051986061
WV1013106	001	2004 to 2005	23.89864635	21.65466748	29.13387659	1927.172403	1.546032487	0.121266134	2.051986061
WV1013106	002	2003 to 2004	19.0624663	38.16602704	21.57680433	2073.193263	1.23317412	0.213729744	1.51971886
WV1013106	002	2004 to 2005	19.0624663	38.16602704	21.57680433	2073.193263	1.23317412	0.213729744	1.51971886
WV1013106	035	2003 to 2004	21.48812618	20.44562223	65.13270588	1439.282694	1.390093007	0.11449548	4.587491273
WV1013106	035	2004 to 2005	21.48812618	20.44562223	65.13270588	1439.282694	1.390093007	0.11449548	4.587491273
WV1013114	001	2003 to 2004	556.3770286	452.6846511	2261.943852	14560.45008	35.9927064	2.535033956	159.3154705
WV1013114	001	2004 to 2005	108.5739808	162.9074682	1323.644813	12121.54225	7.023782817	0.912281789	93.22826289
WV1013114	005	2003 to 2004	142.7495116	7.137475578	8.43519841	1816.811965	9.234639451	0.039969862	0.594116252
WV1013114	005	2004 to 2005	142.7495116	7.137475578	8.43519841	1816.811965	9.234639451	0.039969862	0.594116252
WV1013149	DKC	2003 to 2004	35193.20989	23188.38318	32925.72354	789.2000122	2276.691534	129.8549412	2319.057183
WV1013149	DKC	2004 to 2005	35193.20989	23188.38318	32925.72354	789.2000122	2276.691534	129.8549412	2319.057183
WV1013149	UKC	2003 to 2004	8583.91773	6933.556082	3599.52233	789.2000122	555.3040739	38.82791267	253.5251231
WV1013149	UKC	2004 to 2005	8583.91773	6933.556082	3599.52233	789.2000122	555.3040739	38.82791267	253.5251231
WV1013173	001	2003 to 2004	97.57597327	207.4989919	224.587645	869.4084191	6.312308339	1.161994313	15.81837953
WV1013173	001	2004 to 2005	58.66112683	91.69222754	151.9327016	3861.62639	3.794859612	0.513476456	10.70107457
WV1013173	002	2003 to 2004	45.14453295	32.86974619	11.01688025	234.6614635	2.920454721	0.184070572	0.775951825
WV1013173	002	2004 to 2005	7.057269055	11.13788638	1.849705589	119.1561896	0.456543315	0.062372161	0.130280297
WV1013173	003	2003 to 2004	303.9601121	326.3964616	82.59243873	891.3745788	19.66354919	1.82782012	5.817232477
WV1013173	003	2004 to 2005	10.05750171	11.69542611	1.012043523	237.3450854	0.650632013	0.065494384	0.071281252
WV1013203	001	2003 to 2004	120.6292332	0	0	0	7.803651749	0	0
WV1013203	001	2004 to 2005	91.38328053	41.11225224	0	0	5.911695517	0.230228604	0
WV1013203	006	2003 to 2004	142.8937003	383.652819	0	4020.237072	9.243967194	2.14845571	0
WV1013203	006	2004 to 2005	84.59530504	0	0	0	5.47257313	0	0
WV1013203	007	2003 to 2004	25.08930701	175.1925748	3460.59407	3460.59407	1.623057773	0.981078384	243.7399903
WV1013203	007	2004 to 2005	25.08930701	175.1925748	3460.59407	3460.59407	1.623057773	0.981078384	243.7399903



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1013203	010	2003 to 2004	115.4540709	0	0	0	7.468864209	0	0
WV1013203	010	2004 to 2005	115.4540709	0	0	0	7.468864209	0	0
WV1013203	017	2003 to 2004	33.24333169	0	0	0	2.150551542	0	0
WV1013203	017	2004 to 2005	97.6370601	0	0	0	6.316260121	0	0
WV1013203	021	2003 to 2004	96.86058676	0	0	0	6.266029116	0	0
WV1013203	021	2004 to 2005	227.5971469	0	0	0	14.72353613	0	0
WV1013211	003	2003 to 2004	7.007547073	19.7115927	2.20194725	10857.06704	0.45332674	0.110384915	0.15508973
WV1013211	003	2004 to 2005	2.855891386	6.262113312	2.594844742	157.4390106	0.184751086	0.035067833	0.182762676
WV1013246	037	2003 to 2004	8.57037759	0	0	878.1257608	0.554428146	0	0
WV1013246	037	2004 to 2005	8.57037759	0	0	878.1257608	0.554428146	0	0
WV1013246	038	2003 to 2004	11.3550744	0	28.09569812	190.3326743	0.734573568	0	1.978864047
WV1013246	038	2004 to 2005	4.650173282	0	0	0	0.300825363	0	0
WV1013246	048	2003 to 2004	90.68054741	31.18000031	0	0	5.866234857	0.174607992	0
WV1013246	048	2004 to 2005	50.92750828	31.18000031	0	0	3.294562426	0.174607992	0
WV1013271	001	2003 to 2004	0.129772282	0.346059418	0.129772282	43.25742728	0.008395127	0.001937933	0.00914025
WV1013271	001	2004 to 2005	0.583975239	1.362608892	0.492053209	58.39752394	0.037778068	0.00763061	0.034656779
WV1013271	002	2003 to 2004	4.217599149	9.264299003	1.405866383	513.681947	0.272841617	0.051880073	0.099019374
WV1013271	002	2004 to 2005	4.073508568	8.089311757	2.231391073	399.734825	0.263520222	0.045300144	0.157163547
WV1013271	003	2003 to 2004	1.784368839	4.16352729	0.594789613	254.6781003	0.11543299	0.023315752	0.041892811
WV1013271	003	2004 to 2005	1.497788405	4.039162245	0.900295189	141.1273552	0.096893753	0.022619308	0.063410483
WV1013271	004	2003 to 2004	33.95707982	68.22957781	5.41919426	1522.706467	2.196724777	0.382085622	0.381690059
WV1013271	004	2004 to 2005	17.81965666	23.4911861	2.751653016	977.7139764	1.152775253	0.131550637	0.193807152
WV1013271	007	2003 to 2004	119.4625949	207.0769085	41.25677117	11729.43164	7.728180501	1.159630646	2.905837784
WV1013271	007	2004 to 2005	119.4625949	207.0769085	41.25677117	11729.43164	7.728180501	1.159630646	2.905837784
WV1013271	013	2003 to 2004	45.09586617	104.4076953	51.50877929	1601.271932	2.917306408	0.584683073	3.627917377
WV1013271	013	2004 to 2005	24.80092454	28.32460246	59.23563856	1554.951274	1.604401961	0.158617768	4.172143185
WV1013271	020	2003 to 2004	184.5578107	287.3572824	724.8387395	4174.485871	11.93926915	1.609200724	51.05256027
WV1013271	020	2004 to 2005	130.4625917	297.9265092	674.6175816	4075.714645	8.43978367	1.668388392	47.51533391
WV1013271	021	2003 to 2004	9.528431627	92.26612722	65.29512049	1116.631519	0.616405826	0.516690294	4.59893062
WV1013271	021	2004 to 2005	9.528431627	92.26612722	65.29512049	1116.631519	0.616405826	0.516690294	4.59893062
WV1013271	022	2003 to 2004	382.8787028	203.4141205	24.62723987	12368.99939	24.76888877	1.139119034	1.734570159

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1013271	022	2004 to 2005	10.24119599	13.04571924	2.152057023	977.9386927	0.662515419	0.073056025	0.151575813
WV1013271	024	2003 to 2004	6.488613882	14.59938094	1.297722748	418.0830127	0.419756321	0.08175653	0.091402494
WV1013271	024	2004 to 2005	0.648861388	1.514009906	0.216287129	64.88613882	0.041975632	0.008478455	0.015233749
WV1013271	029	2003 to 2004	0.865148518	3.46059407	0.648861388	108.1435647	0.055967509	0.019379326	0.045701248
WV1013271	029	2004 to 2005	0.865148518	3.46059407	0.648861388	108.1435647	0.055967509	0.019379326	0.045701248
WV1013271	032	2003 to 2004	40.12126285	57.09980283	26.81960461	3471.408431	2.595493272	0.319758884	1.888984964
WV1013271	032	2004 to 2005	40.12126285	57.09980283	26.81960461	3471.408431	2.595493272	0.319758884	1.888984964
WV1013271	046	2003 to 2004	580.9592513	1169.700636	634.8459881	23578.54179	37.58296027	6.550323328	44.71410163
WV1013271	046	2004 to 2005	135.9869306	368.9534044	159.7352576	12425.94274	8.79715987	2.066138991	11.25063193
WV1013271	048	2003 to 2004	4.249059102	10.0062294	2.41258469	456.1102457	0.274876799	0.056034883	0.169925555
WV1013271	048	2004 to 2005	4.249059102	10.0062294	2.41258469	456.1102457	0.274876799	0.056034883	0.169925555
WV1013271	049	2003 to 2004	586.255275	310.689252	40.84877362	12321.83452	37.92556648	1.739859749	2.877101296
WV1013271	049	2004 to 2005	389.0134254	306.4206159	66.44921066	17724.99408	25.16575143	1.715955388	4.680216643
WV1013271	050	2003 to 2004	68.19352917	89.63839887	10.8089493	3361.040725	4.411522308	0.501975016	0.761306626
WV1013271	050	2004 to 2005	166.5725525	196.9687603	36.51320058	7741.569244	10.77578093	1.103025018	2.57173392
WV1013271	125	2003 to 2004	78.1723495	118.9579236	28.88978132	4350.924697	5.057064328	0.666164348	2.034793702
WV1013271	125	2004 to 2005	38.66132543	82.63970966	20.36703861	3913.715714	2.501048145	0.462782358	1.434511443
WV1013271	DSBJ	2003 to 2004	8780.441159	10587.21196	4090.319544	789.2000122	568.0174135	59.28838484	288.0934387
WV1013271	DSBJ	2004 to 2005	2698.563419	4061.927422	2592.779348	789.2000122	174.5733484	22.74679275	182.6172039
WV1013271	DSCF	2003 to 2004	1052.466701	966.4439077	2811.181179	789.2000122	68.0853504	5.41208569	197.9998981
WV1013271	DSCF	2004 to 2005	275.7719918	289.453136	651.9228431	789.2000122	17.84002542	1.620937504	45.9168756
WV1013271	DSHF	2003 to 2004	27899.51014	42652.97495	37373.43793	789.2000122	1804.85323	238.8566512	2632.32301
WV1013271	DSHF	2004 to 2005	7721.045532	4131.536426	16231.8734	789.2000122	499.4838224	23.13660316	1143.25939
WV1013271	DSJC	2003 to 2004	1293.502477	1041.787519	302.028755	789.2000122	83.67824782	5.834009898	21.27278852
WV1013271	DSJC	2004 to 2005	1364.974325	2183.465783	490.8046586	789.2000122	88.30184854	12.22740795	34.56884
WV1013271	DSLCL	2003 to 2004	17926.13715	16354.91927	73625.45687	789.2000122	1159.663606	91.58754467	5185.661126
WV1013271	DSLCL	2004 to 2005	12613.74567	4086.643144	52652.60341	789.2000122	815.9985426	22.88520079	3708.480331
WV1013271	DSLFL	2003 to 2004	11144.00826	9171.520866	22434.41245	789.2000122	720.9194425	51.36051502	1580.122766
WV1013271	DSLFL	2004 to 2005	670.5805632	339.5432725	3687.618941	789.2000122	43.38067189	1.901442258	259.7300309
WV1013271	DSLLO	2003 to 2004	528.5625027	684.3676451	404.9003329	789.2000122	34.1933509	3.832458676	28.51834142
WV1013271	DSLLO	2004 to 2005	98.15503316	233.6097658	83.25088414	789.2000122	6.349768427	1.308214642	5.863608756

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1013271	DSLT	2003 to 2004	957.6815721	161.9063677	1277.518873	789.2000122	61.9535852	0.906675627	89.97947499
WV1013271	DSLT	2004 to 2005	728.7065057	93.04942926	712.3443857	789.2000122	47.14090978	0.521076785	50.17254555
WV1013271	DSRFCC	2003 to 2004	180.5240544	87.90990449	11.80927742	789.2000122	11.67832055	0.492295448	0.831762728
WV1013271	DSRFCC	2004 to 2005	19.75242185	39.08038039	5.996560656	789.2000122	1.277808183	0.218850122	0.422355701
WV1013271	DSWB	2003 to 2004	5742.112437	4300.81282	801.2546085	789.2000122	371.4642345	24.08455093	56.43475846
WV1013271	DSWB	2004 to 2005	1237.364928	1429.583233	404.5296901	789.2000122	80.04664149	8.005665819	28.49223594
WV1013271	USBJ	2003 to 2004	3221.034453	3908.254375	1598.759315	789.2000122	208.3726347	21.88622372	112.6054001
WV1013271	USBJ	2004 to 2005	447.9542432	1304.085559	309.8686737	789.2000122	28.97870459	7.302878872	21.82497744
WV1013271	USCF	2003 to 2004	751.208471	322.4462638	3562.249085	789.2000122	48.59658927	1.805699013	250.899857
WV1013271	USCF	2004 to 2005	171.8595923	28.28170539	802.8383681	789.2000122	11.11780596	0.158377545	56.54630738
WV1013271	USLF	2003 to 2004	388.438184	375.0878593	67.35992581	789.2000122	25.12853837	2.100491937	4.744361034
WV1013271	USLF	2004 to 2005	46.96675157	78.68526023	26.96884326	789.2000122	3.038336259	0.440637442	1.899496289
WV1013271	USLFCC	2003 to 2004	808.2866655	69.37950628	806.5347397	789.2000122	52.28904707	0.388525221	56.80665389
WV1013271	USLFCC	2004 to 2005	721.1229311	30.45716031	792.1378633	789.2000122	46.65031912	0.170560092	55.79263883
WV1013271	USRF	2003 to 2004	1183.999015	1456.988504	165.9003428	789.2000122	76.59433573	8.15913533	11.68485732
WV1013271	USRF	2004 to 2005	272.7302141	342.7639884	137.8220958	789.2000122	17.64324912	1.919478267	9.707222406
WV1013271	USRFCC	2003 to 2004	91.3434649	41.7271953	8.913733671	789.2000122	5.909119795	0.233672285	0.627820922
WV1013271	USRFCC	2004 to 2005	6.959038447	14.66697112	2.18990721	789.2000122	0.450188658	0.082135035	0.154241714
WV1013271	USSH	2003 to 2004	1201.26143	1038.289464	3406.189833	789.2000122	77.71106237	5.814420792	239.9081371
WV1013271	USSH	2004 to 2005	753.8412901	513.0035904	387.1873986	789.2000122	48.76690954	2.872820004	27.27076648
WV1013271	USWB	2003 to 2004	5060.808011	2743.323801	597.7257114	789.2000122	327.3898229	15.36261274	42.09960953
WV1013271	USWB	2004 to 2005	919.4326812	904.858857	283.0883972	789.2000122	59.47921795	5.067209418	19.93876248
WV1013289	002	2003 to 2004	317.7171347	194.9395895	29.06899002	8881.614733	20.55350771	1.091661662	2.047415906
WV1013289	002	2004 to 2005	1426.751062	888.4037313	276.432261	36817.26119	92.29826078	4.975060718	19.46995089
WV1013289	004	2003 to 2004	86.83207227	134.3575646	54.91289899	2969.381961	5.617272322	0.752402335	3.867679709
WV1013289	004	2004 to 2005	1730.253819	1091.55791	342.8908088	45809.6151	111.9322231	6.11272408	24.15082517
WV1013289	005	2003 to 2004	32.01049609	109.4660088	116.5046094	2347.024395	2.070797909	0.613009627	8.205768082
WV1013289	005	2004 to 2005	1379.730237	875.7120017	276.5447303	36682.29802	89.25642647	4.903987035	19.47787244
WV1013289	007	2003 to 2004	2058.419021	1803.521029	617.7917408	40066.83008	133.161629	10.0997174	43.51291999
WV1013289	007	2004 to 2005	1440.853752	545.8654639	279.8244271	22299.59655	93.21058092	3.056846489	19.70887129
WV1013301	001	2003 to 2004	52.11168108	38.29814252	4.485705002	1537.947935	3.371168004	0.21446959	0.315941619

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1013301	001	2004 to 2005	25.39030735	17.22636917	1.689743248	504.8051617	1.642529851	0.096467664	0.119013671
WV1013301	002	2003 to 2004	4.840325717	6.334509291	3.880551582	969.867535	0.313126555	0.035473251	0.273318854
WV1013301	002	2004 to 2005	1.670818133	1.886564551	1.678928904	227.1555698	0.108087256	0.010564761	0.118251984
WV1013301	003	2003 to 2004	16.16611186	24.83832493	3.819270379	1829.822996	1.04580543	0.139094615	0.269002635
WV1013301	003	2004 to 2005	7.140404093	9.221491788	0.897140987	398.6667391	0.461921422	0.051640352	0.063188323
WV1013301	005	2003 to 2004	4.213666511	5.838769268	1.302884181	348.4373373	0.272587209	0.032697107	0.09176603
WV1013301	005	2004 to 2005	1.27918391	1.059806949	0.534538206	85.43341905	0.082751962	0.005934919	0.037649125
WV1013301	006	2003 to 2004	25.77601861	31.48374584	3.340284352	3057.241098	1.667481981	0.17630897	0.235266217
WV1013301	006	2004 to 2005	1.514460492	0.998300274	0.498361597	103.3672243	0.09797229	0.005590481	0.035101098
WV1013301	007	2003 to 2004	12.61855204	12.02826844	2.254793391	742.5407732	0.816309473	0.067358301	0.158811842
WV1013301	007	2004 to 2005	1.749672783	1.074226086	0.394724021	72.81666925	0.11318846	0.006015666	0.027801593
WV1013301	010	2003 to 2004	17.90361796	19.67582076	3.559725733	1129.920025	1.158206812	0.110184592	0.25072213
WV1013301	010	2004 to 2005	2.633295854	1.336924846	0	153.3836262	0.17035111	0.007486779	0
WV1013301	012	2003 to 2004	3.579101441	4.327995646	0.662829935	237.8257253	0.231536424	0.024236775	0.046685095
WV1013301	012	2004 to 2005	1.288710828	0.912911927	0.405988966	48.93496299	0.08336827	0.005112307	0.028595017
WV1013301	013	2003 to 2004	0.480562977	0.592198684	0.160187661	153.2259211	0.031088203	0.003316313	0.011282496
WV1013301	013	2004 to 2005	0.643927332	0.793458353	0.06108309	55.32895288	0.041656442	0.004443367	0.004302265
WV1013301	014	2003 to 2004	5.407178095	7.570049333	0	1081.435619	0.349796925	0.042392275	0
WV1013301	014	2004 to 2005	3.849911028	4.93134671	3.633623892	222.7757505	0.249055425	0.027615541	0.255926998
WV1013301	023	2003 to 2004	5.154843386	8.939868277	5.154843386	1101.261986	0.333473086	0.050063261	0.363071037
WV1013301	023	2004 to 2005	5.154843386	8.939868277	5.154843386	1101.261986	0.333473086	0.050063261	0.363071037
WV1013301	030	2003 to 2004	19.97051182	32.32230942	31.48059169	2106.816921	1.291916689	0.181004926	2.217272225
WV1013301	030	2004 to 2005	19.97051182	32.32230942	31.48059169	2106.816921	1.291916689	0.181004926	2.217272225
WV1013301	032	2003 to 2004	1.680551035	22.60524984	6.125251633	54.6125022	0.10871689	0.126589395	0.431419792
WV1013301	032	2004 to 2005	1.680551035	22.60524984	6.125251633	54.6125022	0.10871689	0.126589395	0.431419792
WV1013301	033	2003 to 2004	8.8569132	13.9881903	2.090820724	2156.026786	0.572964483	0.078333863	0.147262757
WV1013301	033	2004 to 2005	2.640730665	2.807226705	0.759708543	106.9720095	0.170832077	0.015720469	0.053508545
WV1013319	001	2003 to 2004	211.5612639	83.81126441	18.97198666	2420.97401	13.68615537	0.469343064	1.336253762
WV1013319	001	2004 to 2005	276.5735708	128.4132782	31.0624373	10153.96019	17.89188054	0.719114332	2.18782036
WV1013319	002	2003 to 2004	285.4990231	103.8178266	51.9089133	10381.78266	18.4692789	0.581379808	3.656100012
WV1013319	002	2004 to 2005	285.4990231	103.8178266	51.9089133	10381.78266	18.4692789	0.581379808	3.656100012

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1013319	004	2003 to 2004	79.42423886	36.15599902	25.70933032	948.779553	5.138050572	0.202473587	1.810785026
WV1013319	004	2004 to 2005	247.6956329	103.6916579	108.3202028	6554.221179	16.02373163	0.580673264	7.629315843
WV1013319	005	2003 to 2004	44.2090896	11.96067823	7.532199398	493.134657	2.859939754	0.066979796	0.530515331
WV1013319	005	2004 to 2005	39.18762383	13.00246141	3.204654343	722.3990204	2.535095028	0.072813781	0.22571339
WV1013319	007	2003 to 2004	178.653175	23.95019589	8.132396394	1786.531779	11.55729109	0.134121092	0.572789
WV1013319	007	2004 to 2005	178.653175	23.95019589	8.132396394	1786.531779	11.55729109	0.134121092	0.572789
WV1013327	003	2003 to 2004	51.9089133	23.35901098	2.595445665	519.089133	3.35805071	0.130810457	0.182805001
WV1013327	003	2004 to 2005	51.9089133	23.35901098	2.595445665	519.089133	3.35805071	0.130810457	0.182805001
WV1013327	004	2003 to 2004	12.97722748	20.50401943	1.038178199	545.0435543	0.839512623	0.114822505	0.073121996
WV1013327	004	2004 to 2005	12.97722748	20.50401943	1.038178199	545.0435543	0.839512623	0.114822505	0.073121996
WV1013327	005	2003 to 2004	20.76356398	14.01540568	1.038178199	363.3623696	1.343220197	0.078486269	0.073121996
WV1013327	005	2004 to 2005	20.76356398	14.01540568	1.038178199	363.3623696	1.343220197	0.078486269	0.073121996
WV1013327	009	2003 to 2004	89.5428723	36.6282253	12.42569557	382.8282199	5.792637271	0.205118054	0.875178902
WV1013327	009	2004 to 2005	89.5428723	36.6282253	12.42569557	382.8282199	5.792637271	0.205118054	0.875178902
WV1013343	001	2003 to 2004	520.9636096	376.4910138	81.00403766	6202.484138	33.70176927	2.108349602	5.705356638
WV1013343	001	2004 to 2005	420.7505714	269.4577219	74.48748625	6341.538774	27.21886599	1.508963189	5.246376433
WV1013343	003	2003 to 2004	408.4041797	175.4458118	38.64690579	5981.015139	26.4201629	0.982496511	2.722017159
WV1013343	003	2004 to 2005	298.9481461	124.9608762	28.23530245	11967.16733	19.33931902	0.699780882	1.988696798
WV1013378	001	2003 to 2004	17.47194498	29.59078344	2.304809774	2459.59029	1.130281363	0.165708381	0.162334646
WV1013378	001	2004 to 2005	8.510898518	17.46879043	1.450926156	374.897684	0.550580372	0.097825223	0.102193069
WV1013378	005	2003 to 2004	95.16633694	102.9526736	263.0051494	1903.326739	6.156426035	0.576534952	18.52423926
WV1013378	005	2004 to 2005	95.16633694	102.9526736	263.0051494	1903.326739	6.156426035	0.576534952	18.52423926
WV1013378	007	2003 to 2004	2.866464957	1.038703802	3.219715956	64.26611243	0.185435103	0.005816741	0.226774224
WV1013378	007	2004 to 2005	1.916506725	0.696602266	1.556095764	12.80374743	0.12398115	0.003900973	0.109600479
WV1013378	013	2003 to 2004	87.69497146	108.0444369	39.3620059	998.7779098	5.673094319	0.605048825	2.772383799
WV1013378	013	2004 to 2005	2.568409679	6.388581111	2.76351869	251.8843857	0.166153545	0.035776053	0.194642886
WV1013378	014	2003 to 2004	16.23978405	7.554503738	17.99306169	1864.259842	1.050571374	0.042305219	1.267305149
WV1013378	014	2004 to 2005	16.23978405	7.554503738	17.99306169	1864.259842	1.050571374	0.042305219	1.267305149
WV1013378	015	2003 to 2004	0	5.709980093	0	207.6356398	0	0.031975887	0
WV1013378	015	2004 to 2005	0	5.709980093	0	207.6356398	0	0.031975887	0
WV1013378	016	2003 to 2004	11.24693073	17.30297035	0	951.6633694	0.727577622	0.096896631	0

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1013378	016	2004 to 2005	11.24693073	17.30297035	0	951.6633694	0.727577622	0.096896631	0
WV1013378	017	2003 to 2004	0.621825497	0.892184409	0	33.45691533	0.040226647	0.004996233	0
WV1013378	017	2004 to 2005	0.621825497	0.892184409	0	33.45691533	0.040226647	0.004996233	0
WV1013378	023	2003 to 2004	1.544609628	0.591594456	0.436506758	193.1345771	0.099922675	0.003312929	0.030744476
WV1013378	023	2004 to 2005	0.17742304	0.062768329	0.110328968	9.595488517	0.011477712	0.000351503	0.007770799
WV1013378	024	2003 to 2004	4.596101409	2.811732626	0	281.6238633	0.297327388	0.015745702	0
WV1013378	024	2004 to 2005	4.596101409	2.811732626	0	281.6238633	0.297327388	0.015745702	0
WV1013416	002	2003 to 2004	2.379158421	1.184172037	0.724561885	77.32264855	0.153910651	0.006631363	0.051033061
WV1013416	002	2004 to 2005	2.379158421	1.184172037	0.724561885	77.32264855	0.153910651	0.006631363	0.051033061
WV1013416	003	2003 to 2004	12.89936462	4.015731067	0.670490101	1316.467669	0.83447558	0.022488093	0.047224623
WV1013416	003	2004 to 2005	12.89936462	4.015731067	0.670490101	1316.467669	0.83447558	0.022488093	0.047224623
WV1013416	008	2003 to 2004	34.72610081	12.08179929	3.097231762	2046.076288	2.24647368	0.067658074	0.218147296
WV1013416	008	2004 to 2005	50.61118974	22.63805342	4.3257427	3368.672128	3.274099395	0.126773095	0.304674996
WV1013416	018	2003 to 2004	6.272326641	1.297722755	0.951663351	179.5183159	0.405764436	0.007267247	0.067028496
WV1013416	018	2004 to 2005	4.739777972	2.385338079	1.260644996	242.8595479	0.306621999	0.013357893	0.088790997
WV1013416	020	2003 to 2004	4.855646058	2.503523528	1.573488867	144.3716594	0.314117647	0.014019731	0.110825527
WV1013416	020	2004 to 2005	4.855646058	2.503523528	1.573488867	144.3716594	0.314117647	0.014019731	0.110825527
WV1013424	003	2003 to 2004	2.703589205	40.28708357	22.36769446	1445.158529	0.174898473	0.22560766	1.575423618
WV1013424	003	2004 to 2005	2.703589205	16.17827732	37.8848555	1208.612478	0.174898473	0.09059835	2.668343679
WV1013424	007	2003 to 2004	38.24000168	33.74079118	1.124693039	674.8158236	2.473792315	0.188948424	0.079215494
WV1013424	007	2004 to 2005	38.24000168	33.74079118	1.124693039	674.8158236	2.473792315	0.188948424	0.079215494
WV1013424	008	2003 to 2004	38.24000168	18.67639359	2.736032197	746.1906006	2.473792315	0.1045878	0.192706931
WV1013424	008	2004 to 2005	38.24000168	84.52501144	18.53580705	2627.888657	2.473792315	0.473340047	1.305532328
WV1013424	010	2003 to 2004	21.83058142	8.206551974	4.090916632	427.6305632	1.412246853	0.045956689	0.288135493
WV1013424	010	2004 to 2005	21.83058142	9.314766096	3.11453475	559.4627271	1.412246853	0.052162688	0.219365997
WV1013424	013	2003 to 2004	36.67268554	185.3616822	88.10816909	7510.210284	2.372400613	1.038025383	6.205721862
WV1013424	013	2004 to 2005	36.67268554	45.05981942	10.82517101	2570.212077	2.372400613	0.25233498	0.76244917
WV1013424	014	2003 to 2004	24.15927217	8.802886007	1.059806937	190.3326716	1.562892688	0.04929616	0.074645372
WV1013424	014	2004 to 2005	24.15927217	8.802886007	1.059806937	190.3326716	1.562892688	0.04929616	0.074645372
WV1013424	018	2003 to 2004	63.67493352	17.87613187	2.86580457	1263.116885	4.119208862	0.100106335	0.201847187
WV1013424	018	2004 to 2005	63.67493352	17.87613187	2.86580457	1263.116885	4.119208862	0.100106335	0.201847187

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1013432	001	2003 to 2004	65.37278712	0	0	0	4.229045076	0	0
WV1013432	001	2004 to 2005	104.4225609	0	0	0	6.755222417	0	0
WV1013441	001	2003 to 2004	45.58251295	27.03814462	29.41504995	3397.510365	2.94878818	0.151413604	2.071789943
WV1013441	001	2004 to 2005	16.10995026	8.981814687	13.2480782	720.9734854	1.042172268	0.05029816	0.93310177
WV1013441	002	2003 to 2004	21.47731244	113.4511637	42.80502624	1315.791801	1.389393453	0.635326494	3.014886019
WV1013441	002	2004 to 2005	11.46592167	17.2033886	3.639481631	809.499664	0.741744413	0.096338973	0.256339576
WV1013441	003	2003 to 2004	147.3479517	79.28554605	51.41974251	31034.49083	9.532118131	0.443999042	3.621646251
WV1013441	003	2004 to 2005	91.06589364	48.49562996	19.3193974	8336.066502	5.891163373	0.271575518	1.360722939
WV1013441	004	2003 to 2004	2.465222714	3.481321626	1.046289006	167.780239	0.159478254	0.0194954	0.073693264
WV1013441	004	2004 to 2005	2.791005264	4.177495918	1.876741505	111.5230539	0.180553524	0.023393976	0.132184517
WV1013441	005	2003 to 2004	21.45748595	22.26856263	62.09693734	1611.958678	1.388110853	0.124703946	4.373673016
WV1013441	005	2004 to 2005	12.07287733	16.11023714	18.07619685	766.7829373	0.781009112	0.090217325	1.273160606
WV1013441	006	2003 to 2004	10.22153309	21.01573554	106.592196	1234.274455	0.661243402	0.117688115	7.507607161
WV1013441	006	2004 to 2005	12.96100645	30.77630647	225.4085919	400.7169658	0.838463265	0.17234731	15.87620127
WV1013441	007	2003 to 2004	265.8070549	501.638678	1068.532167	23592.01059	17.19538153	2.809176497	75.25991627
WV1013441	007	2004 to 2005	83.67608546	228.354154	876.7965035	2022.960622	5.413107698	1.278783217	61.75540005
WV1013441	016	2003 to 2004	60.58292767	46.6954907	7.549772925	1990.06692	3.919183245	0.261494739	0.531753087
WV1013441	016	2004 to 2005	19.89391019	17.83467653	2.33635164	813.7803399	1.286961236	0.099874185	0.164556234
WV1013441	017	2003 to 2004	32.02852014	10.92250041	21.19388639	3474.055819	2.071963907	0.061166	1.492748805
WV1013441	017	2004 to 2005	15.89034531	11.36633954	7.169017207	1314.845528	1.027965757	0.063651499	0.504935323
WV1013441	019	2003 to 2004	17.98021978	31.62928973	15.18921455	888.0051323	1.163162277	0.177124016	1.069821809
WV1013441	019	2004 to 2005	20.34377061	46.51647921	6.976243045	2024.25088	1.316063253	0.260492274	0.491357662
WV1013441	025	2003 to 2004	231.9138818	358.2255713	63.51632189	13506.56825	15.00279096	2.006063128	4.473644515
WV1013441	025	2004 to 2005	26.02249677	62.14380045	18.71920121	792.7374172	1.683426953	0.34800527	1.318449327
WV1013441	080	2003 to 2004	206.0855927	374.8616526	1184.893019	1654.5966	13.33192754	2.09922518	83.4555591
WV1013441	080	2004 to 2005	206.0855927	374.8616526	1184.893019	1654.5966	13.33192754	2.09922518	83.4555591
WV1013441	087	2003 to 2004	14.3830943	31.21023318	492.1974174	1017.991436	0.930459856	0.1747773	34.66693616
WV1013441	087	2004 to 2005	14.3830943	31.21023318	492.1974174	1017.991436	0.930459856	0.1747773	34.66693616
WV1013441	088	2003 to 2004	51.01132073	40.28167652	220.5948536	823.3330337	3.299984355	0.22557738	15.53715529
WV1013441	088	2004 to 2005	51.01132073	40.28167652	220.5948536	823.3330337	3.299984355	0.22557738	15.53715529
WV1013467	001	2003 to 2004	33.75258988	12.0570244	2.784205251	1881.69803	2.183496074	0.067519334	0.196099903

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1013467	001	2004 to 2005	44.62724468	22.81108282	5.432411786	2259.479566	2.886990714	0.127742059	0.382621009
WV1013475	002	2003 to 2004	18.66107335	33.80973381	36.18438625	998.8635338	1.207207522	0.189334503	2.548574544
WV1013475	002	2004 to 2005	6.192571082	13.89284369	24.0858256	522.1531938	0.400604952	0.077799922	1.696436733
WV1013483	001	2003 to 2004	64.10209846	155.0868851	5.675284195	10697.31364	4.146842681	0.868486526	0.399727239
WV1013483	001	2004 to 2005	42.36614296	71.86320144	2.973722747	7114.179342	2.740717295	0.402433914	0.209448187
WV1013483	003	2003 to 2004	27.84949193	37.45336169	1.983533276	3076.720529	1.801617491	0.209738818	0.139706181
WV1013483	003	2004 to 2005	27.84949193	37.45336169	1.983533276	3076.720529	1.801617491	0.209738818	0.139706181
WV1013483	007	2003 to 2004	38.24000168	0.277928964	0.36931028	9.624777342	2.473792315	0.001556402	0.026011628
WV1013483	007	2004 to 2005	38.24000168	0.277928964	0.36931028	9.624777342	2.473792315	0.001556402	0.026011628
WV1013483	010	2003 to 2004	5.612651243	20.87170889	0.583975267	134.6387444	0.363089232	0.116881566	0.041131125
WV1013483	010	2004 to 2005	5.612651243	20.87170889	0.583975267	134.6387444	0.363089232	0.116881566	0.041131125
WV1013505	001	2003 to 2004	324.1706079	378.278163	0	0	20.97099074	2.118357637	0
WV1013505	001	2004 to 2005	561.5012335	0	0	0	36.32419744	0	0
WV1013505	005	2003 to 2004	90.27825131	0	0	990.5950408	5.840209833	0	0
WV1013505	005	2004 to 2005	25.07536863	0	0	0	1.622156082	0	0
WV1013505	011	2003 to 2004	54.28807062	0	0	0	3.51196129	0	0
WV1013505	011	2004 to 2005	38.77094691	0	0	0	2.508139692	0	0
WV1013505	019	2003 to 2004	47.58677493	0	0	794.6209159	3.078446324	0	0
WV1013505	019	2004 to 2005	57.57833945	0	0	0	3.72481278	0	0
WV1013530	001	2003 to 2004	3.763396173	3.849911028	0.216287136	17.30297091	0.243458674	0.021559501	0.01523375
WV1013530	001	2004 to 2005	3.763396173	3.849911028	0.216287136	17.30297091	0.243458674	0.021559501	0.01523375
WV1013530	013	2003 to 2004	2794.97052	749.0744401	274.5044245	26594.30566	180.8100409	4.194816715	19.3341676
WV1013530	013	2004 to 2005	4375.178736	1102.141573	559.524008	68731.72526	283.0356316	6.17199259	39.4089493
WV1013548	UPF	2003 to 2004	50746.20901	63999.80283	24054.47897	789.2000122	3282.833956	358.3988831	1694.228896
WV1013548	UPF	2004 to 2005	19351.48669	42836.73966	11017.33352	789.2000122	1251.871201	239.8857335	775.9837504
WV1013556	001	2003 to 2004	35.58193722	0	0	0	2.301838777	0	0
WV1013556	001	2004 to 2005	150.2085714	0	0	0	9.717175098	0	0
WV1013556	005	2003 to 2004	123.7998714	0	0	0	8.008764188	0	0
WV1013556	005	2004 to 2005	123.7998714	0	0	0	8.008764188	0	0
WV1013556	009	2003 to 2004	76.85979515	0	0	0	4.972153591	0	0
WV1013556	009	2004 to 2005	76.85979515	0	0	0	4.972153591	0	0



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1013556	010	2003 to 2004	49.5207408	0	0	1215.939217	3.203556927	0	0
WV1013556	010	2004 to 2005	161.6063385	0	0	1080.509693	10.45451051	0	0
WV1013556	014	2003 to 2004	9.408490129	0	0	0	0.608646665	0	0
WV1013556	014	2004 to 2005	14.75078286	0	0	0	0.954246077	0	0
WV1013556	016	2003 to 2004	32.15796433	0	0	0	2.080337808	0	0
WV1013556	016	2004 to 2005	94.3411602	0	0	0	6.103044349	0	0
WV1013581	001	2003 to 2004	69.21187962	168.7039566	151.4009867	1730.29699	4.477400637	0.944742123	10.6636243
WV1013581	001	2004 to 2005	69.21187962	168.7039566	151.4009867	1730.29699	4.477400637	0.944742123	10.6636243
WV1013581	006	2003 to 2004	451.0569788	380.6653523	292.1842488	3339.669921	29.17942433	2.131725897	20.57941051
WV1013581	006	2004 to 2005	203.7424759	187.0523188	172.2817102	2497.485513	13.18034847	1.047492948	12.13431611
WV1013581	013	2003 to 2004	44.33886038	17.3029699	4.325742476	505.0304341	2.868334783	0.096896628	0.30467498
WV1013581	013	2004 to 2005	44.33886038	17.3029699	4.325742476	505.0304341	2.868334783	0.096896628	0.30467498
WV1013581	035	2003 to 2004	109.3724701	140.734105	169.7755696	3410.287751	7.075438061	0.78811096	11.95780113
WV1013581	035	2004 to 2005	91.39933699	156.8442181	85.02787935	1715.337199	5.912734229	0.87832759	5.988767843
WV1013581	038	2003 to 2004	78.8366624	63.9534027	14.38309482	2726.786036	5.100039537	0.358139042	1.013044385
WV1013581	038	2004 to 2005	56.39038143	121.4841567	17.35487953	5768.810399	3.647962331	0.680311253	1.22235607
WV1013581	039	2003 to 2004	80.39122289	98.68911352	14.09110659	1630.80496	5.200605945	0.552659016	0.992478781
WV1013581	039	2004 to 2005	77.33995524	123.8762956	9.308998367	2576.196117	5.003215731	0.69370723	0.655660596
WV1013581	042	2003 to 2004	53.71982509	40.90579554	7.556285838	1505.515743	3.475200795	0.229072447	0.532211811
WV1013581	042	2004 to 2005	16.13305414	33.05260693	5.466165807	1450.106932	1.043666886	0.185094592	0.384998406
WV1013581	045	2003 to 2004	56.99165963	50.11372817	12.41488126	2296.580025	3.686859749	0.280636868	0.874417217
WV1013581	045	2004 to 2005	25.94364126	38.32067239	7.337540937	1575.11103	1.678325694	0.214595758	0.516804953
WV1013581	046	2003 to 2004	78.62037318	35.17369498	11.92282849	1995.248804	5.086047524	0.196972685	0.83976047
WV1013581	046	2004 to 2005	16.2215354	22.71014957	3.244307081	973.2921243	1.049390847	0.127176833	0.228506251
WV1013581	049	2003 to 2004	813.7216294	1453.474247	83.84525154	24604.26803	52.64064149	8.139455494	5.90547183
WV1013581	049	2004 to 2005	254.9252794	379.9021639	69.51468324	16315.90396	16.49142625	2.127452042	4.896127044
WV1013581	066	2003 to 2004	9440.030877	6065.277209	1560.568698	124276.8141	610.6870742	33.96555116	109.9155207
WV1013581	066	2004 to 2005	3967.929798	1598.214103	864.6744984	68329.30236	256.6902026	8.949998659	60.90161098
WV1013581	070	2003 to 2004	3584.459785	3683.987272	2570.228478	62220.90605	231.8830613	20.63032799	181.0288787
WV1013581	070	2004 to 2005	4750.278237	4099.372962	2638.079403	78014.91663	307.3012743	22.95648777	185.8078223
WV1013599	001	2003 to 2004	3904.072905	1579.526941	662.0188722	61795.03719	252.5592226	8.845350557	46.62796913

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1013599	001	2004 to 2005	3516.828812	1986.597352	381.927033	77556.96162	227.5079315	11.12494477	26.9002632
WV1013599	002	2003 to 2004	1852.041513	781.6256578	212.4660643	32123.32597	119.8108171	4.377103527	14.96462035
WV1013599	002	2004 to 2005	1856.987268	1898.680227	257.4501822	90008.97215	120.130764	10.63260889	18.13298631
WV1013599	003	2003 to 2004	501.0760186	180.0338081	52.46044511	6767.624492	32.41521683	1.008189289	3.694946048
WV1013599	003	2004 to 2005	130.936624	117.8007851	14.80124921	4906.113066	8.470449391	0.659684373	1.042496249
WV1013599	011	2003 to 2004	81.75653844	64.88614162	14.27495116	1038.178266	5.288929867	0.36336238	1.005427503
WV1013599	011	2004 to 2005	81.75653844	64.88614162	14.27495116	1038.178266	5.288929867	0.36336238	1.005427503
WV1013599	012	2003 to 2004	2.995576839	1.578896096	0.173029709	46.50173433	0.193787508	0.008841818	0.012187
WV1013599	012	2004 to 2005	10.06167759	2.465673355	0.415271302	96.89663711	0.650902156	0.01380777	0.0292488
WV1013599	016	2003 to 2004	0.129772282	0.216287136	0.043257427	17.30297091	0.008395127	0.001211208	0.00304675
WV1013599	016	2004 to 2005	0.129772282	0.216287136	0.043257427	17.30297091	0.008395127	0.001211208	0.00304675
WV1013599	026	2003 to 2004	0.4758317	0.9516634	0.086514855	43.25742728	0.030782131	0.005329315	0.0060935
WV1013599	026	2004 to 2005	0.4758317	0.9516634	0.086514855	43.25742728	0.030782131	0.005329315	0.0060935
WV1013599	028	2003 to 2004	8.516305914	6.867116444	0.432574266	286.0397338	0.550930183	0.038455851	0.030467499
WV1013599	028	2004 to 2005	1.476932135	1.835350828	0.333700149	94.54837637	0.095544535	0.010277964	0.0235035
WV1013599	029	2003 to 2004	2.487302069	2.79010406	0.302801991	90.84059729	0.160906595	0.015624582	0.02132725
WV1013599	029	2004 to 2005	2.487302069	2.79010406	0.302801991	90.84059729	0.160906595	0.015624582	0.02132725
WV1013637	001	2003 to 2004	21.6287135	5.299034852	3.67688134	286.5804542	1.399187772	0.029674594	0.25897375
WV1013637	001	2004 to 2005	20.76356509	11.03064396	4.606915988	90.84059659	1.343220269	0.061771604	0.324478871
WV1013653	001	2003 to 2004	53.92759205	9.574310366	148.430651	928.5927751	3.488641492	0.053616136	10.45441468
WV1013653	001	2004 to 2005	53.92759205	9.574310366	148.430651	928.5927751	3.488641492	0.053616136	10.45441468
WV1013653	DDR-1	2003 to 2004	102.7219687	66.21270034	78.80061155	789.2000122	6.645209037	0.370791109	5.550162747
WV1013653	DDR-1	2004 to 2005	102.7219687	66.21270034	78.80061155	789.2000122	6.645209037	0.370791109	5.550162747
WV1013653	UDR2	2003 to 2004	79.27644295	49.65952502	41.95970342	789.2000122	5.128489475	0.27809333	2.955347405
WV1013653	UDR2	2004 to 2005	79.27644295	49.65952502	41.95970342	789.2000122	5.128489475	0.27809333	2.955347405
WV1013670	001	2003 to 2004	19.16850139	62.54774721	107.5980332	2049.928027	1.240033659	0.350267372	7.578451278
WV1013670	001	2004 to 2005	19.88399698	32.62090587	40.63073925	1901.043722	1.286319939	0.182677066	2.861744483
WV1013670	002	2003 to 2004	235.1113184	642.4391952	250.1451598	15816.98303	15.20963702	3.597659365	17.61847174
WV1013670	002	2004 to 2005	173.4905425	244.468434	110.1733977	11153.2594	11.22331412	1.369023182	7.759841906
WV1013670	003	2003 to 2004	35.88922286	142.0731975	154.9598271	9604.054531	2.321717459	0.795609878	10.91428408
WV1013670	003	2004 to 2005	58.41785795	54.41394987	68.96007669	1841.692315	3.779122252	0.304718108	4.857064447

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1013670	004	2003 to 2004	33.56713168	224.4555128	48.33466189	2723.419591	2.171498558	1.256950827	3.404354795
WV1013670	004	2004 to 2005	58.09183971	234.8695635	51.92861845	4926.852696	3.758031736	1.315269509	3.657487905
WV1013670	007	2003 to 2004	11.94865014	50.73087639	9.927793774	2091.342925	0.772972704	0.284092898	0.699244207
WV1013670	007	2004 to 2005	10.24720368	15.53422256	2.758862545	987.4709163	0.662904064	0.086991643	0.19431494
WV1013688	001	2003 to 2004	6.204759713	17.33040218	29.94750352	507.9014512	0.401393449	0.097050249	2.109292239
WV1013688	001	2004 to 2005	12.68504353	6.530003362	27.94262606	238.8085167	0.820610888	0.036568018	1.968082724
WV1013742	001	2003 to 2004	213.0289224	333.5348454	639.2597989	7463.83723	13.78109998	1.867795067	45.02497953
WV1013742	001	2004 to 2005	124.6787195	286.0938116	446.4382811	6241.235673	8.06561794	1.602125288	31.44398334
WV1013785	006	2003 to 2004	25.90038405	98.98705197	128.6702994	1204.71936	1.675527333	0.554327471	9.062634011
WV1013785	006	2004 to 2005	5.553435651	30.15266246	40.18747988	627.3294859	0.359258504	0.168854904	2.8305244
WV1013793	001	2003 to 2004	8.180459898	35.02529786	41.37332552	288.382842	0.529203896	0.196141661	2.914047055
WV1013793	001	2004 to 2005	11.82099304	40.63043925	19.97141338	671.3913088	0.764714411	0.227530452	1.406646375
WV1013793	002	2003 to 2004	11.4874901	20.40861345	18.16691712	491.2154686	0.743139701	0.114288231	1.279550306
WV1013793	002	2004 to 2005	11.82099295	37.25257465	16.05427277	534.0489782	0.764714406	0.208614411	1.130750446
WV1013793	003	2003 to 2004	9.251081216	25.38369808	25.95325425	279.3708776	0.598463691	0.142148704	1.827965317
WV1013793	003	2004 to 2005	9.664430145	32.14387296	13.50208463	643.994945	0.625203736	0.180005682	0.950992203
WV1013815	002	2003 to 2004	103.2446651	128.5448532	9287.353472	7176.136877	6.679022904	0.719851152	654.1360816
WV1013815	002	2004 to 2005	103.2446651	128.5448532	9287.353472	7176.136877	6.679022904	0.719851152	654.1360816
WV1013815	008	2003 to 2004	302.0774219	80.87516555	4877.436997	4039.027014	19.54175568	0.452900911	343.5324751
WV1013815	008	2004 to 2005	302.0774219	80.87516555	4877.436997	4039.027014	19.54175568	0.452900911	343.5324751
WV1013815	022	2003 to 2004	108.7491709	203.5045613	347.7572628	5947.896151	7.03511608	1.139625503	24.49358409
WV1013815	022	2004 to 2005	150.1563585	177.5127484	97.48061052	3876.750219	9.713797385	0.994071356	6.865850943
WV1013815	023	2003 to 2004	164.3349642	434.8452848	527.8920105	26057.19245	10.63102862	2.435133508	37.18101312
WV1013815	023	2004 to 2005	230.6721996	366.7404055	1295.451808	10351.30571	14.92246503	2.053746197	91.24254523
WV1013815	025	2003 to 2004	2.854990075	3.806653433	33.30821754	142.7495037	0.184692779	0.021317258	2.345997379
WV1013815	025	2004 to 2005	2.854990075	3.806653433	33.30821754	142.7495037	0.184692779	0.021317258	2.345997379
WV1013815	026	2003 to 2004	99.66511212	151.6965874	183.5845215	4815.27259	6.447457271	0.849500859	12.93040691
WV1013815	026	2004 to 2005	99.66511212	151.6965874	183.5845215	4815.27259	6.447457271	0.849500859	12.93040691
WV1013831	001	2003 to 2004	92.25511345	120.0739642	207.7524413	3262.475103	5.968095449	0.672414175	14.63262578
WV1013831	001	2004 to 2005	497.7828762	394.1479084	293.6727039	5293.13603	32.20217944	2.207228208	20.68424685
WV1013831	003	2003 to 2004	1359.912563	134.1232558	514.8643042	5188.187626	87.974397	0.751090206	36.2634328

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1013831	003	2004 to 2005	579.2248063	175.9889095	310.7161289	4944.37305	37.47075692	0.985537858	21.88466624
WV1013840	001	2003 to 2004	97.109246	96.86613917	911.3546696	7486.501505	6.282115185	0.54245036	64.18943505
WV1013840	001	2004 to 2005	189.8647103	288.6548403	868.607158	13504.57532	12.28257894	1.616467048	61.17859996
WV1013840	007	2003 to 2004	24.70359489	28.39309284	75.58874672	2297.960615	1.598105587	0.159001314	5.323941502
WV1013840	007	2004 to 2005	77.39933374	64.65412364	60.14748526	2389.62874	5.007056998	0.362063079	4.236367275
WV1013840	009	2003 to 2004	110.9931479	161.8999281	688.1319251	2937.539703	7.180281678	0.906639565	48.46718954
WV1013840	009	2004 to 2005	157.0972097	216.2714036	510.9940798	3343.848236	10.16280949	1.211119817	35.99084132
WV1013840	010	2003 to 2004	99.65069208	75.80323339	893.6750083	5004.523809	6.446524421	0.424498092	62.94420363
WV1013840	010	2004 to 2005	176.1918278	212.8373531	597.0260332	4354.67115	11.39806355	1.191889135	42.0503291
WV1013840	011	2003 to 2004	40.41144872	409.8803408	296.4323312	4282.305029	2.614265748	2.295329827	20.87861565
WV1013840	011	2004 to 2005	130.5743588	362.9906691	415.4411663	4589.687543	8.447014017	2.032747675	29.26076384
WV1013840	044	2003 to 2004	108.5761429	87.870255	177.1607935	1339.538342	7.023922688	0.49207341	12.47796454
WV1013840	044	2004 to 2005	101.1574893	663.8284516	417.4341561	3665.526092	6.544000963	3.717439196	29.40113607
WV1013858	014	2003 to 2004	63.80470637	178.4368908	65.24662068	901.1964163	4.127604026	0.999246553	4.595514633
WV1013858	014	2004 to 2005	31.85909548	126.2684315	34.03278127	418.5156126	2.06100362	0.707103191	2.39703057
WV1013858	DSHC	2003 to 2004	265.6005935	668.4714228	222.0547888	789.2000122	17.1820253	3.743439834	15.63998289
WV1013858	DSHC	2004 to 2005	265.6005935	668.4714228	222.0547888	789.2000122	17.1820253	3.743439834	15.63998289
WV1013858	USHC	2003 to 2004	30.44457666	117.0892028	134.9199143	789.2000122	1.969496677	0.655699512	9.502813083
WV1013858	USHC	2004 to 2005	36.84090813	64.1651826	16.29363069	789.2000122	2.383283136	0.35932501	1.147609141
WV1013858	WT-4	2003 to 2004	53.63920742	155.0346219	100.4870061	789.2000122	3.46998554	0.868193852	7.077600375
WV1013858	WT-4	2004 to 2005	37.54744536	97.61759049	57.93611218	789.2000122	2.428989889	0.546658487	4.080613655
WV1013866	001	2003 to 2004	138.0020033	208.7251917	23.32656699	7268.869761	8.927517372	1.168861032	1.642959878
WV1013866	001	2004 to 2005	171.0634574	409.1110448	136.6738063	5438.883995	11.06630303	2.291021769	9.62634494
WV1013866	002	2003 to 2004	149.0921243	91.01362474	53.85909965	2974.668995	9.64495078	0.50967628	3.79345747
WV1013866	002	2004 to 2005	92.98970434	77.06271219	88.05127838	1661.439105	6.015617026	0.431551173	6.201714879
WV1013882	001	2003 to 2004	453.4784191	248.3965026	2088.893422	8123.744738	29.33607025	1.391020365	147.1270112
WV1013882	001	2004 to 2005	409.766798	232.9520584	871.8534315	6667.591591	26.50831234	1.304531481	61.40724471
WV1013963	001	2003 to 2004	11.8191084	16.44961916	11.68147114	617.7946881	0.764592491	0.092117864	0.822760949
WV1013963	001	2004 to 2005	11.97444204	20.5374462	8.975915989	670.4901083	0.774641213	0.115009695	0.632200608
WV1013963	002	2003 to 2004	44.68885347	71.61266869	40.4732208	297.4931175	2.890976261	0.40103093	2.850649988
WV1013963	002	2004 to 2005	10.62240177	20.21635837	14.88758411	338.0567857	0.687176085	0.113211603	1.048577075

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1014005	024	2003 to 2004	137.5966649	211.172213	1070.691962	9404.942274	8.901295534	1.182564351	75.4120371
WV1014005	024	2004 to 2005	343.5603083	476.2131369	1046.220176	10819.37053	22.22533403	2.666793472	73.68841604
WV1014005	029	2003 to 2004	149.7031397	164.2051931	1231.513708	20445.98334	9.684478108	0.919549049	86.73919367
WV1014005	029	2004 to 2005	290.6289515	181.1444066	1057.565434	21387.20921	18.80114021	1.014408641	74.48749649
WV1014005	035	2003 to 2004	92.69165399	64.53467352	489.8939608	3962.380247	5.996335787	0.361394159	34.50469683
WV1014005	035	2004 to 2005	141.2040385	127.0215001	469.7343564	4962.413276	9.134660921	0.711320375	33.0847956
WV1014021	001	2003 to 2004	13.84237673	2.076356509	2.076356509	311.4534764	0.89548018	0.011627596	0.146243999
WV1014021	001	2004 to 2005	13.84237673	2.076356509	2.076356509	311.4534764	0.89548018	0.011627596	0.146243999
WV1014021	002	2003 to 2004	16.85117088	23.71612441	26.48315781	858.3715343	1.090122731	0.132810292	1.86528801
WV1014021	002	2004 to 2005	39.05527708	48.65224628	74.66849932	1149.411648	2.526533356	0.272452569	5.259125725
WV1014021	003	2003 to 2004	14.31427571	9.662136082	45.93545436	482.9101795	0.926007898	0.05410796	3.235371434
WV1014021	003	2004 to 2005	16.20187266	6.366706757	13.7558616	204.8829039	1.04811884	0.035653557	0.968866473
WV1014021	006	2003 to 2004	50.82747544	60.2143367	28.98247535	2043.913379	3.28809118	0.337200274	2.041322419
WV1014021	006	2004 to 2005	65.03033122	41.59922471	41.64248243	1193.544491	4.206891187	0.23295565	2.933004581
WV1014030	001	2003 to 2004	0.865148546	3.157792191	12.67442619	73.53762638	0.055967511	0.017683636	0.892697743
WV1014030	001	2004 to 2005	0.865148546	3.157792191	12.67442619	73.53762638	0.055967511	0.017683636	0.892697743
WV1014030	006	2003 to 2004	45.26299769	44.64363007	55.06473797	734.3931249	2.928118349	0.250004319	3.878374182
WV1014030	006	2004 to 2005	42.24481002	40.06227608	21.88432529	466.0004635	2.73286812	0.224348738	1.541378482
WV1014048	002	2003 to 2004	17.71436631	47.172222	189.9726424	1681.632395	1.145963893	0.264164434	13.38034137
WV1014048	002	2004 to 2005	32.42504464	34.20941342	153.2304153	1426.467653	2.097615559	0.191572708	10.79247643
WV1014048	004	2003 to 2004	20.54502463	111.1531106	63.81011092	1582.951435	1.329082621	0.622457397	4.494336955
WV1014048	004	2004 to 2005	31.7176064	66.03696598	60.74559187	1274.486315	2.051850519	0.369806996	4.278493713
WV1014064	003	2003 to 2004	117.3573984	359.7781998	713.5127159	7632.15504	7.591992781	2.014757847	50.25483454
WV1014064	003	2004 to 2005	43.41964331	133.8276663	278.3615469	3628.216795	2.808869513	0.749434904	19.60583627
WV1014064	005	2003 to 2004	57.88616088	105.863281	178.3364637	3745.861369	3.744726123	0.592834353	12.5607705
WV1014064	005	2004 to 2005	123.6729871	96.33429143	594.2705337	2657.628183	8.000555891	0.539472013	41.85625102
WV1014099	001	2003 to 2004	63.74056529	117.8510049	66.75851784	1294.700679	4.123454661	0.659965604	4.702002072
WV1014099	001	2004 to 2005	121.2438607	185.9091334	79.87829883	2351.5855	7.843412754	1.04109111	5.626067485
WV1014099	002	2003 to 2004	0.308425442	0.278577819	0.437765144	5.472064301	0.019952417	0.001560036	0.030833108
WV1014099	002	2004 to 2005	44.75557697	32.14026904	120.6968757	661.838649	2.895292686	0.1799855	8.501041938
WV1014099	003	2003 to 2004	79.37889358	76.76765898	46.03174267	1122.054413	5.135117131	0.429898875	3.242153307

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1014099	003	2004 to 2005	50.13643945	41.69313041	8.075620898	576.107819	3.243387222	0.233481522	0.568790132
WV1014099	004	2003 to 2004	29.76651631	34.46167733	34.14892614	478.178402	1.925632129	0.192985386	2.405211
WV1014099	004	2004 to 2005	29.76651631	34.46167733	34.14892614	478.178402	1.925632129	0.192985386	2.405211
WV1014129	013	2003 to 2004	12.40839243	31.96133906	8.270033208	1661.675006	0.802713992	0.178983492	0.582483173
WV1014129	013	2004 to 2005	226.1455015	85.97846152	6.24637242	281.1732721	14.62962743	0.481479367	0.439950691
WV1014145	001	2003 to 2004	19.95969754	19.89721467	19.79555945	1558.468968	1.2912171	0.111424398	1.394260456
WV1014145	001	2004 to 2005	64.34660165	50.17153687	35.31585455	1763.812729	4.16265989	0.280960596	2.487401259
WV1014145	040	2003 to 2004	14.11093308	31.1318296	24.56120655	1656.398995	0.912853417	0.17433824	1.729919235
WV1014145	040	2004 to 2005	63.89100104	156.3818653	82.11005524	1563.560203	4.133186533	0.875738415	5.783256764
WV1014145	041	2003 to 2004	33.74079219	78.03639629	13.84237628	543.8323582	2.182732867	0.437003804	0.974959961
WV1014145	041	2004 to 2005	33.74079219	78.03639629	13.84237628	543.8323582	2.182732867	0.437003804	0.974959961
WV1014145	050	2003 to 2004	20.27331407	71.46127003	36.88687008	2229.559902	1.311505335	0.400183098	2.598052581
WV1014145	050	2004 to 2005	31.15645671	46.38769201	17.50057863	2368.490578	2.015549063	0.259771066	1.232618094
WV1014145	058	2003 to 2004	1.829789075	0.759167808	0.077863365	19.46584123	0.11837128	0.00425134	0.00548415
WV1014145	058	2004 to 2005	1.829789075	0.759167808	0.077863365	19.46584123	0.11837128	0.00425134	0.00548415
WV1014145	069	2003 to 2004	20.57431265	8.408161938	18.87105155	324.4306857	1.330977299	0.047085705	1.3291446
WV1014145	069	2004 to 2005	20.57431265	8.408161938	18.87105155	324.4306857	1.330977299	0.047085705	1.3291446
WV1014145	072	2003 to 2004	35.89645484	39.52286931	12.29592362	1427.495108	2.322185305	0.22132806	0.866038675
WV1014145	072	2004 to 2005	37.83545048	34.15798327	17.801784	2270.20774	2.44762129	0.191284699	1.253832888
WV1014145	087	2003 to 2004	47.69131409	43.60348717	13.62608974	583.9752746	3.085209089	0.244179519	0.959726253
WV1014145	087	2004 to 2005	47.69131409	43.60348717	13.62608974	583.9752746	3.085209089	0.244179519	0.959726253
WV1014145	088	2003 to 2004	8.889401019	9.257089139	0.519089111	281.1732682	0.575066159	0.051839697	0.036560999
WV1014145	088	2004 to 2005	8.889401019	9.257089139	0.519089111	281.1732682	0.575066159	0.051839697	0.036560999
WV1014145	089	2003 to 2004	10.2314624	2.570572467	0.614255432	181.6811841	0.661885741	0.014395205	0.043263847
WV1014145	089	2004 to 2005	10.2314624	2.570572467	0.614255432	181.6811841	0.661885741	0.014395205	0.043263847
WV1014145	094	2003 to 2004	10.11358673	5.692677562	3.02801998	90.84059939	0.654260221	0.031878993	0.213272503
WV1014145	094	2004 to 2005	10.11358673	5.692677562	3.02801998	90.84059939	0.654260221	0.031878993	0.213272503
WV1014145	096	2003 to 2004	112.7980613	69.92130169	481.247504	467.1801894	7.29704372	0.391559275	33.89570102
WV1014145	096	2004 to 2005	112.7980613	69.92130169	481.247504	467.1801894	7.29704372	0.391559275	33.89570102
WV1014145	097	2003 to 2004	21.71522779	21.19613868	3.244306941	1514.009906	1.404784486	0.118698372	0.228506241
WV1014145	097	2004 to 2005	21.71522779	21.19613868	3.244306941	1514.009906	1.404784486	0.118698372	0.228506241

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1014145	098	2003 to 2004	15.3347578	29.24562563	18.23480779	1844.749025	0.992024126	0.163775498	1.284332049
WV1014145	098	2004 to 2005	56.78589286	69.62558227	174.387893	1323.513586	3.673548447	0.389903247	12.28266086
WV1014145	100	2003 to 2004	71.4699182	10.14711056	148.1858807	154.6452957	4.623475898	0.056823817	10.43717477
WV1014145	100	2004 to 2005	71.4699182	10.14711056	148.1858807	154.6452957	4.623475898	0.056823817	10.43717477
WV1014145	105	2003 to 2004	43.62998191	14.18681399	12.74039377	973.8328322	2.822476573	0.079446156	0.897344037
WV1014145	105	2004 to 2005	43.62998191	14.18681399	12.74039377	973.8328322	2.822476573	0.079446156	0.897344037
WV1014145	117	2003 to 2004	16.35401077	25.52368411	5.605441563	1287.555498	1.057960839	0.142932626	0.394808014
WV1014145	117	2004 to 2005	26.88744032	24.61514715	5.417304477	1023.268191	1.739381203	0.137844819	0.381556956
WV1014145	150	2003 to 2004	341.5395326	579.2575161	587.2161558	6996.292931	22.09460759	3.243841975	41.35939009
WV1014145	150	2004 to 2005	341.5395326	579.2575161	587.2161558	6996.292931	22.09460759	3.243841975	41.35939009
WV1014145	DUTER-2	2003 to 2004	38.24000168	31.18000031	19.95000076	789.2000122	2.473792315	0.174607992	1.405138254
WV1014145	DUTER-2	2004 to 2005	38.24000168	31.18000031	19.95000076	789.2000122	2.473792315	0.174607992	1.405138254
WV1014145	UAR-7	2003 to 2004	76.24613081	406.5919452	55.61641447	789.2000122	4.932454899	2.276914812	3.917230408
WV1014145	UAR-7	2004 to 2005	76.24613081	406.5919452	55.61641447	789.2000122	4.932454899	2.276914812	3.917230408
WV1014188	001	2003 to 2004	4.880789483	18.97476212	14.1604268	550.9013548	0.315744205	0.106258664	0.997361211
WV1014188	001	2004 to 2005	7.536606315	13.1856207	12.58016091	443.5912162	0.487552225	0.073839473	0.886058357
WV1014188	002	2003 to 2004	10.06485855	51.01359967	4.875724751	1245.092917	0.651107936	0.285676148	0.343411876
WV1014188	002	2004 to 2005	49.85959079	129.0652899	14.73636311	3058.660511	3.225477545	0.722765598	1.037926127
WV1014188	003	2003 to 2004	1.178224176	5.83542694	0.269818203	242.7823106	0.076220754	0.03267839	0.019004103
WV1014188	003	2004 to 2005	1.354154099	1.940292238	0.063116519	82.58236117	0.087601875	0.010865636	0.004445485
WV1014196	001	2003 to 2004	42.2192475	2191.8	1636.8	2430.202189	2.731214449	12.27407956	115.2847193
WV1014196	001	2004 to 2005	11.85956404	355.4181818	367.2	1010.439398	0.767209616	1.990341747	25.86299422
WV1014226	001	2003 to 2004	21.26987295	103.1148889	259.3380996	947.3007609	1.37597394	0.577443357	18.26595798
WV1014226	001	2004 to 2005	2.83606508	17.8049373	80.27677289	232.5537323	0.183468498	0.099707645	5.654133205
WV1014226	006	2003 to 2004	9.404557863	28.65214631	29.62937025	537.2400432	0.608392282	0.160452014	2.086885162
WV1014226	006	2004 to 2005	12.27036198	53.38064614	76.12077983	1860.118451	0.793784634	0.298931608	5.361414185
WV1014226	010	2003 to 2004	34.66001348	49.71261548	20.89333714	11138.83667	2.24219841	0.278390637	1.471580222
WV1014226	010	2004 to 2005	36.87395473	286.0097159	173.8978527	10928.50856	2.385420961	1.601654352	12.24814585
WV1014226	011	2003 to 2004	123.1070351	333.8536208	104.4306392	0	7.963943768	1.86958021	7.355362252
WV1014226	011	2004 to 2005	1124.603464	766.2305294	133.4275355	12517.84351	72.75196531	4.290890811	9.397700376
WV1014226	016	2003 to 2004	68.86779153	187.7274058	29.8869503	9850.896082	4.455141161	1.051273435	2.105027295

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1014226	016	2004 to 2005	29.98866259	111.6111033	22.31416404	7235.309504	1.940003042	0.625022156	1.571653311
WV1014234	001	2003 to 2004	1.067617311	9.237863705	0.437981445	136.3660317	0.069065462	0.051732035	0.030848343
WV1014234	001	2004 to 2005	4.734885843	15.01393184	1.256267772	217.6088881	0.306305522	0.084078015	0.088482696
WV1014234	006	2003 to 2004	2.791906397	8.434747591	6.231322453	130.470706	0.180611819	0.047234585	0.438890677
WV1014234	006	2004 to 2005	3.185729268	7.360972223	4.730830518	172.3087531	0.206088699	0.041221443	0.333206542
WV1014234	007	2003 to 2004	1.397755552	21.61339261	5.0494033	94.97483275	0.090422506	0.121034994	0.355644576
WV1014234	007	2004 to 2005	0.568654913	20.75455245	7.048256818	39.78781997	0.036786978	0.11622549	0.496429808
WV1014234	011	2003 to 2004	2.513256433	2.796592581	0.427167083	72.67247573	0.162585614	0.015660918	0.030086655
WV1014234	011	2004 to 2005	1.607283764	2.659250299	1.182549897	74.88942034	0.103977141	0.014891801	0.083290526
WV1014234	013	2003 to 2004	0.932287644	4.416763442	3.898124923	83.72114325	0.060310821	0.024733874	0.274556597
WV1014234	013	2004 to 2005	0.787195047	5.075087426	3.798542749	48.23653592	0.050924605	0.028420489	0.267542726
WV1014234	014	2003 to 2004	0.843519831	2.112404355	0.365885736	59.29872317	0.054568323	0.011829464	0.025770427
WV1014234	014	2004 to 2005	0.734700355	1.509954536	0.814456223	76.64675337	0.047528659	0.008455745	0.057364588
WV1014234	016	2003 to 2004	1.09441291	3.193479574	2.063919999	81.18878327	0.070798902	0.017883485	0.145368058
WV1014234	016	2004 to 2005	1.432676974	2.754506791	2.011695654	195.6722734	0.092681615	0.015425237	0.141689742
WV1014234	017	2003 to 2004	5.409431383	9.74283425	2.943758033	394.0255952	0.349942693	0.05455987	0.207337682
WV1014234	017	2004 to 2005	23.51671976	16.5842666	37.31403602	1517.164161	1.521325192	0.09287189	2.628139156
WV1014234	018	2003 to 2004	1.289612029	7.471819249	1.193184011	117.1555313	0.08342657	0.041842186	0.084039518
WV1014234	018	2004 to 2005	1.400008595	8.323449801	2.161068939	143.3352843	0.090568258	0.046611317	0.152210549
WV1014285	001	2003 to 2004	38.24000168	49.52975263	36.768812	270.3589118	2.473792315	0.277366605	2.589737397
WV1014285	001	2004 to 2005	38.24000168	49.52975263	36.768812	270.3589118	2.473792315	0.277366605	2.589737397
WV1014285	003	2003 to 2004	14.34292628	42.83686862	48.11187108	1159.659522	0.927861338	0.239886456	3.388662973
WV1014285	003	2004 to 2005	14.34292628	40.6962262	20.53646314	1149.385865	0.927861338	0.227898859	1.44644452
WV1014358	001	2003 to 2004	109.8542005	32.28282088	12.39865985	1516.885567	7.106601789	0.18078379	0.873274695
WV1014358	001	2004 to 2005	34.18778598	4.731731596	6.089383919	179.4281989	2.211649439	0.026497696	0.428893521
WV1014358	002	2003 to 2004	0.255624352	0.600413074	0.122283336	11.57271335	0.01653665	0.003362313	0.008612781
WV1014358	002	2004 to 2005	0.552269528	1.428109519	0.184581405	17.49959512	0.035726987	0.007997413	0.01300062
WV1014358	003	2003 to 2004	0.425139409	1.499680958	0.645617112	32.78777853	0.027502785	0.008398213	0.045472744
WV1014358	003	2004 to 2005	1.341496408	6.842145235	5.413716196	108.4581694	0.086783034	0.038316012	0.381304223
WV1014528	011	2003 to 2004	12.07062395	7.829593916	3.497543041	250.532587	0.780863338	0.043845724	0.246342417
WV1014528	011	2004 to 2005	1.976864356	2.344552468	0.57316088	42.82485322	0.127885759	0.013129493	0.040369435



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1014536	001	2003 to 2004	271.2727304	56.19590271	495.4849884	1072.243471	17.54896273	0.314697044	34.89848962
WV1014536	001	2004 to 2005	175.338571	25.47952561	411.1906783	659.9461165	11.34286533	0.142685338	28.96138926
WV1014536	002	2003 to 2004	74.94799818	45.5158254	345.4565148	275.495736	4.848477121	0.254888613	24.33153552
WV1014536	002	2004 to 2005	84.71155973	19.94077274	179.7877785	871.5470394	5.480093787	0.111668323	12.66299095
WV1014536	003	2003 to 2004	43.98108765	61.99149716	171.0678025	262.9691078	2.845190031	0.347152372	12.04881696
WV1014536	003	2004 to 2005	65.6061951	32.15288437	159.0034841	578.2075949	4.244144522	0.180056146	11.19909093
WV1014587	001	2003 to 2004	1.492381199	3.347043347	0.459610148	51.16542427	0.096543954	0.018743442	0.032371717
WV1014587	001	2004 to 2005	0.404920412	1.953845287	0.303419952	3.290654267	0.026194794	0.010941533	0.021370775
WV1014587	012	2003 to 2004	54.74587907	31.24267685	179.3065418	483.0074779	3.541577474	0.174958984	12.62909601
WV1014587	012	2004 to 2005	11.81517619	15.17942435	61.87090071	198.0501939	0.764338112	0.085004773	4.35775258
WV1014587	013	2003 to 2004	40.26455338	7.309603988	79.0196031	566.5258461	2.60476291	0.040933781	5.565586978
WV1014587	013	2004 to 2005	18.2478252	3.476615365	42.79881764	157.7494223	1.180473997	0.019469045	3.014448729
WV1014587	016	2003 to 2004	8.915945325	10.90873625	35.56055342	280.005807	0.576783343	0.061088921	2.504636132
WV1014587	016	2004 to 2005	111.3594893	140.8597039	134.1588553	448.7282141	7.203980746	0.788814314	9.449209418
WV1014587	027	2003 to 2004	14.25332196	24.73648907	246.8809464	958.9405411	0.922064726	0.138524334	17.38856342
WV1014587	027	2004 to 2005	7.559235273	15.36179352	79.91268854	561.1749909	0.48901612	0.086026041	5.628489656
WV1014587	032	2003 to 2004	25.23800504	3.329920639	127.1543057	302.0134418	1.632677229	0.018647555	8.955858041
WV1014587	032	2004 to 2005	19.91779183	6.313781771	104.6910815	758.3567534	1.288506169	0.035357177	7.37370598
WV1014587	033	2003 to 2004	9.407138378	12.31124375	60.03229554	500.1189275	0.608559218	0.068942963	4.228254119
WV1014587	033	2004 to 2005	11.79891366	12.26302974	32.56923722	471.5510126	0.763286069	0.068672964	2.293948785
WV1014587	035	2003 to 2004	17.82894158	5.658857977	105.761458	404.5306686	1.153375906	0.031689604	7.449095797
WV1014587	035	2004 to 2005	19.85936463	4.496369228	119.3015808	581.2716723	1.284726442	0.025179667	8.402767144
WV1014587	036	2003 to 2004	25.5173759	1.649189391	223.1587568	491.8279293	1.65075007	0.00923546	15.71773866
WV1014587	036	2004 to 2005	36.926522	3.543053622	159.8785469	524.7666619	2.388821602	0.0198411	11.26072422
WV1014587	038	2003 to 2004	48.84033851	9.449044224	116.1552032	445.0783669	3.159540876	0.052914646	8.181158359
WV1014587	038	2004 to 2005	38.25128054	2.162871329	129.4568615	581.7222669	2.474521842	0.012112079	9.118033932
WV1014587	040	2003 to 2004	39.45212499	24.66123943	156.6504632	605.9419182	2.55220593	0.138102936	11.03336063
WV1014587	040	2004 to 2005	33.42734152	7.46448947	200.027687	1112.842853	2.162455363	0.04180114	14.08854823
WV1014587	047	2003 to 2004	7.928124948	11.97810147	90.51736654	274.5945369	0.512880042	0.067077366	6.375408844
WV1014587	047	2004 to 2005	13.90050369	6.396241317	56.45499674	260.6259965	0.899240484	0.03581895	3.976294266
WV1014587	048	2003 to 2004	134.3368397	143.8309432	1206.89121	6789.050294	8.690413479	0.805453253	85.00495749

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1014587	048	2004 to 2005	141.8257827	217.4001116	1593.089923	5320.438217	9.174882308	1.217440582	112.2060879
WV1014595	001	2003 to 2004	12.54465351	6.488613882	2.162871294	129.7722776	0.811528886	0.036336236	0.152337494
WV1014595	001	2004 to 2005	12.54465351	6.488613882	2.162871294	129.7722776	0.811528886	0.036336236	0.152337494
WV1014595	002	2003 to 2004	5.017861564	2.076356509	0.850729403	33.16402758	0.324611565	0.011627596	0.059919416
WV1014595	002	2004 to 2005	5.017861564	2.076356509	0.850729403	33.16402758	0.324611565	0.011627596	0.059919416
WV1014595	006	2003 to 2004	7.786336659	3.893168329	9.949207953	64.88613882	0.503707585	0.021801742	0.700752472
WV1014595	006	2004 to 2005	7.786336659	3.893168329	9.949207953	64.88613882	0.503707585	0.021801742	0.700752472
WV1014595	008	2003 to 2004	42.96904351	12.47015474	23.80119714	300.8794301	2.779719664	0.069832864	1.676389499
WV1014595	008	2004 to 2005	34.20400779	19.86236844	41.82452444	1378.379877	2.212698848	0.111229259	2.945826344
WV1014595	016	2003 to 2004	11.62182855	7.145886498	6.852697291	185.6464551	0.751830218	0.040016963	0.482655965
WV1014595	016	2004 to 2005	9.390466297	2.791906379	1.371620876	123.81537	0.607480681	0.015634675	0.096607361
WV1014595	017	2003 to 2004	31.14534675	4.109455487	4.650173296	356.8737677	2.014830346	0.02301295	0.327525613
WV1014595	017	2004 to 2005	31.14534675	4.109455487	4.650173296	356.8737677	2.014830346	0.02301295	0.327525613
WV1014595	018	2003 to 2004	82.18911195	17.57693416	11.6795054	895.4287476	5.316913574	0.098430828	0.822622496
WV1014595	018	2004 to 2005	82.18911195	25.43536734	11.6795054	895.4287476	5.316913574	0.142438052	0.822622496
WV1014595	019	2003 to 2004	18.00470221	11.99552468	4.65017324	256.1200128	1.164746075	0.067174936	0.327525609
WV1014595	019	2004 to 2005	38.62527698	16.38375036	36.45339401	508.2747606	2.498716127	0.091748999	2.567521564
WV1014595	020	2003 to 2004	8.580591229	4.900105192	4.399039974	121.6422871	0.555088879	0.027440588	0.309837542
WV1014595	020	2004 to 2005	11.65246919	3.529085033	1.463542934	177.986285	0.753812399	0.019762875	0.103081706
WV1014595	021	2003 to 2004	38.24000168	31.18000031	11.39112228	789.2000122	2.473792315	0.174607992	0.802310811
WV1014595	021	2004 to 2005	38.24000168	31.18000031	11.39112228	789.2000122	2.473792315	0.174607992	0.802310811
WV1014633	006	2003 to 2004	38.24000168	62.10730196	5.807309592	4467.895218	2.473792315	0.347800879	0.409026183
WV1014633	006	2004 to 2005	38.24000168	21.59401707	2.07185048	662.5145241	2.473792315	0.120926491	0.145926626
WV1014633	011	2003 to 2004	38.24000168	1.378740341	0.197114181	15.54563745	2.473792315	0.007720946	0.013883341
WV1014633	011	2004 to 2005	38.24000168	1.341629064	0.25181229	15.42127216	2.473792315	0.007513122	0.017735893
WV1014633	015	2003 to 2004	38.24000168	2.182427265	0.580280349	14.57685156	2.473792315	0.012221592	0.04087088
WV1014633	015	2004 to 2005	38.24000168	1.514157379	0.332246526	5.198264538	2.473792315	0.008479281	0.023401117
WV1014633	016	2003 to 2004	38.24000168	18.65176083	5.655007197	388.0551561	2.473792315	0.104449857	0.39829907
WV1014633	016	2004 to 2005	38.24000168	5.866044892	1.031689604	18.16135988	2.473792315	0.03284985	0.072664984
WV1014633	018	2003 to 2004	2.909061948	14.84811171	12.52302494	150.3195593	0.188190754	0.083149423	0.8820341
WV1014633	018	2004 to 2005	2.909061948	14.84811171	12.52302494	150.3195593	0.188190754	0.083149423	0.8820341

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1014684	001	2003 to 2004	7131.19589	2171.803995	2687.674075	161196.639	461.3257319	12.16210194	189.3009233
WV1014684	001	2004 to 2005	8586.382913	3767.11988	1290.729541	374550.5595	555.4635496	21.09587057	90.90994188
WV1014684	002	2003 to 2004	5919.299414	1308.511928	661.4601313	63131.33046	382.9266755	7.327666533	46.58861534
WV1014684	002	2004 to 2005	8234.761291	3883.237201	1268.552864	219192.23	532.7167194	21.74612755	89.34797221
WV1014684	003	2003 to 2004	4765.06142	5537.696751	1822.406533	165606.7304	308.2576164	31.0111007	128.3575425
WV1014684	003	2004 to 2005	14489.34556	10753.82879	9722.982671	591724.474	937.3333797	60.22143906	684.8187489
WV1014684	006	2003 to 2004	7317.985081	2408.519428	1672.162707	162253.5626	473.4093518	13.48770831	117.7754206
WV1014684	006	2004 to 2005	8584.78606	19150.93554	2987.440814	274031.1128	555.3602472	107.2452352	210.4143913
WV1014692	001	2003 to 2004	38.24000168	153.3307585	42.26971596	2809.329604	2.473792315	0.858652217	2.977182515
WV1014692	001	2004 to 2005	38.24000168	135.3286961	39.05929303	1297.195569	2.473792315	0.757840671	2.751062826
WV1014692	002	2003 to 2004	38.24000168	134.7319233	76.9985794	1303.485933	2.473792315	0.754498743	5.423240234
WV1014692	002	2004 to 2005	38.24000168	220.2038895	81.81159001	1567.786762	2.473792315	1.233141737	5.762234966
WV1014692	003	2003 to 2004	38.24000168	95.33360209	79.55599602	1567.216605	2.473792315	0.533868153	5.603366735
WV1014692	003	2004 to 2005	38.24000168	118.860593	81.17256087	941.443823	2.473792315	0.665619297	5.717226232
WV1014692	004	2003 to 2004	38.24000168	25.28829163	11.27721113	273.3869365	2.473792315	0.141614428	0.794287708
WV1014692	004	2004 to 2005	38.24000168	25.28829163	11.27721113	273.3869365	2.473792315	0.141614428	0.794287708
WV1014692	008	2003 to 2004	38.24000168	7.388368521	1.622153506	87.38000269	2.473792315	0.041374862	0.114253123
WV1014692	008	2004 to 2005	38.24000168	1.376451361	0.685630238	33.91382357	2.473792315	0.007708127	0.048290988
WV1014692	016	2003 to 2004	10.37853814	24.933581	6.674621028	146.8589647	0.67140025	0.139628049	0.470113521
WV1014692	016	2004 to 2005	0.865148518	1.225627076	0.174471618	17.73554474	0.055967509	0.006863511	0.012288558
WV1014692	017	2003 to 2004	1.793020385	2.037424856	0.886777268	62.99362896	0.115992669	0.011409579	0.062458375
WV1014692	017	2004 to 2005	1.377749038	1.969943207	2.017526378	61.90137772	0.08912826	0.011031682	0.142100417
WV1014692	019	2003 to 2004	66.1445367	98.98478808	27.45863442	1530.428074	4.278970494	0.554314794	1.933993745
WV1014692	019	2004 to 2005	50.65641248	78.09636704	38.91005451	1762.789264	3.277024909	0.43733964	2.740551511
WV1014692	020	2003 to 2004	49.37029109	101.347924	12.15248593	2878.132853	3.193824152	0.567548354	0.85593593
WV1014692	020	2004 to 2005	35.41603456	46.96085173	11.99803687	712.0270606	2.291106333	0.26298076	0.84505762
WV1014692	021	2003 to 2004	16.54596578	13.01615974	0.220612877	88.24515081	1.070378642	0.072890492	0.015538425
WV1014692	021	2004 to 2005	16.54596578	13.01615974	0.220612877	88.24515081	1.070378642	0.072890492	0.015538425
WV1014692	DSL1	2003 to 2004	38.24000168	5504.992288	693.6724806	789.2000122	2.473792315	30.82795572	48.85742744
WV1014692	DSL1	2004 to 2005	38.24000168	3689.163265	690.7268861	789.2000122	2.473792315	20.65931355	48.6499604
WV1014692	DSSF	2003 to 2004	1726.103789	1992.78492	264.4813103	789.2000122	111.6637526	11.15959516	18.62820969

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1014692	DSSF	2004 to 2005	379.9552796	937.4137914	182.2146009	789.2000122	24.57976897	5.249517044	12.83391931
WV1014692	USLC1	2003 to 2004	248.6716241	427.2427872	33.97690605	789.2000122	16.08686969	2.392559523	2.393095111
WV1014692	USLC1	2004 to 2005	188.1127886	272.5493197	41.51729883	789.2000122	12.16924499	1.526276136	2.924187526
WV1014692	USMF	2003 to 2004	395.5288767	382.2677716	14.23655978	789.2000122	25.5872439	2.140699445	1.002723484
WV1014692	USMF	2004 to 2005	46.43479319	103.9705227	109.1588185	789.2000122	3.003923225	0.582234906	7.688382059
WV1014773	002	2003 to 2004	38.24000168	12.03908252	5.207112691	1052.912801	2.473792315	0.06741886	0.36675252
WV1014773	002	2004 to 2005	38.24000168	12.03908252	5.207112691	1052.912801	2.473792315	0.06741886	0.36675252
WV1014773	004	2003 to 2004	38.24000168	3.670122313	2.903654773	427.8204567	2.473792315	0.020552684	0.20451309
WV1014773	004	2004 to 2005	38.24000168	1.121989519	0.938145447	98.32052703	2.473792315	0.006283141	0.06607639
WV1014773	005	2003 to 2004	38.24000168	12.6929644	6.965372523	4588.722518	2.473792315	0.071080598	0.490592019
WV1014773	005	2004 to 2005	38.24000168	0.764214552	0.635343469	26.49517435	2.473792315	0.004279601	0.044749141
WV1014773	007	2003 to 2004	38.24000168	5.384648373	3.607038519	732.8979613	2.473792315	0.03015403	0.254054511
WV1014773	007	2004 to 2005	38.24000168	2.15250758	1.142717037	375.0779433	2.473792315	0.012054042	0.080484979
WV1014773	010	2003 to 2004	6.770238034	6.920512522	4.182452523	428.0570311	0.437974929	0.038754869	0.29458264
WV1014773	010	2004 to 2005	1.237680565	1.378492508	0.678600873	48.21355538	0.08006706	0.007719558	0.047795889
WV1014773	011	2003 to 2004	1.694249222	3.514665967	0.98410647	220.2524004	0.109603042	0.019682129	0.069313562
WV1014773	011	2004 to 2005	0.999426806	1.43109988	0.274639604	83.41113524	0.064654135	0.008014159	0.019343689
WV1014773	012	2003 to 2004	0.156808166	3.044241306	0.675897272	0	0.010144111	0.017047751	0.047605466
WV1014773	012	2004 to 2005	0.156808166	3.044241306	0.675897272	0	0.010144111	0.017047751	0.047605466
WV1014773	016	2003 to 2004	3.237998615	2.533713627	0.687162237	188.5190206	0.209470067	0.014188796	0.048398891
WV1014773	016	2004 to 2005	0.987350754	0.42338206	0.139234841	25.77872253	0.063872921	0.002370939	0.009806726
WV1014773	017	2003 to 2004	38.15755573	67.97431354	3.42364506	11811.06555	2.46845867	0.380656142	0.241137561
WV1014773	017	2004 to 2005	4.907751647	3.99049758	0.720137838	106.7917721	0.317488421	0.022346786	0.050721462
WV1014781	001	2003 to 2004	38.24000168	30.50729991	55.40194928	2116.234439	2.473792315	0.170840873	3.902124984
WV1014781	001	2004 to 2005	38.24000168	15.00612157	19.59801749	1167.469906	2.473792315	0.084034278	1.380346985
WV1014803	001	2003 to 2004	13.27439746	26.19289706	7.695090637	524.963781	0.85873691	0.146680218	0.541988248
WV1014803	001	2004 to 2005	1.003662414	2.813084521	1.953253029	76.38540557	0.064928142	0.015753273	0.137573453
WV1014803	003	2003 to 2004	70.45057445	144.6073184	43.31374993	391.7500617	4.557533311	0.809800954	3.05071695
WV1014803	003	2004 to 2005	5.009300204	6.731035907	5.673031261	125.4915975	0.32405772	0.0376938	0.399568559
WV1014811	011	2003 to 2004	4.25364699	234.5994444	175.7693442	692.118829	0.275173595	1.313756842	12.3799606
WV1014811	011	2004 to 2005	4.325742588	433.4394073	173.894852	778.6336659	0.279837547	2.427260594	12.24793451

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1014838	002	2003 to 2004	1.200956841	8.715019724	3.166353526	101.5085086	0.077691358	0.048804109	0.223015749
WV1014838	002	2004 to 2005	1.242667901	2.518270426	1.046043238	170.7193668	0.080389697	0.014102314	0.073675954
WV1014862	001	2003 to 2004	68.41162182	50.54630401	115.1080145	614.2554716	4.425630987	0.283059292	8.107401722
WV1014862	001	2004 to 2005	63.58841591	20.90775579	88.46143519	677.6996815	4.113611933	0.117083428	6.23060345
WV1014862	002	2003 to 2004	1.211207964	0.173029709	28.46338715	25.95445637	0.078354516	0.000968966	2.004761485
WV1014862	002	2004 to 2005	1.643782237	3.02801991	3.547109037	60.56039819	0.106338271	0.016956911	0.249833498
WV1014862	003	2003 to 2004	34.6059407	0.865148518	100.357228	259.5445553	2.238700376	0.004844832	7.068459718
WV1014862	003	2004 to 2005	34.6059407	0.865148518	100.357228	259.5445553	2.238700376	0.004844832	7.068459718
WV1014862	004	2003 to 2004	43.69961328	13.72702323	76.76270692	492.1733805	2.826981111	0.076871327	5.40662703
WV1014862	004	2004 to 2005	28.40777033	3.009481027	54.22627473	185.3889745	1.837733199	0.016853093	3.819318708
WV1014862	005	2003 to 2004	104.8009443	56.3840882	145.2505695	928.8548967	6.779700501	0.315750883	10.23043202
WV1014862	005	2004 to 2005	44.52486795	23.2941237	86.03469357	433.4394067	2.880367839	0.130447088	6.05968078
WV1014862	006	2003 to 2004	260.6512235	13.84598089	94.22188269	2268.851974	16.86184454	0.07753749	6.636328995
WV1014862	006	2004 to 2005	21.38489873	2.870720123	11.06996873	217.8601318	1.383415097	0.016076032	0.779691006
WV1014862	007	2003 to 2004	40.04015559	15.39423679	10.96035033	273.6032218	2.590246344	0.086207723	0.771970254
WV1014862	007	2004 to 2005	40.39850474	3.771261067	34.33066735	248.5335791	2.613428386	0.021119061	2.418011578
WV1014862	008	2003 to 2004	7.570049515	1.9610033	1.88890759	83.63102281	0.489715706	0.010981618	0.133041411
WV1014862	008	2004 to 2005	8.317785139	3.435875555	3.157792116	106.2896753	0.538087633	0.019240902	0.222412743
WV1014889	003	2003 to 2004	9.949207953	21.62871294	6.704901012	151.4009906	0.643626358	0.121120788	0.472246231
WV1014889	003	2004 to 2005	9.949207953	21.62871294	6.704901012	151.4009906	0.643626358	0.121120788	0.472246231
WV1014889	024	2003 to 2004	5.199247762	8.371786715	11.45879401	326.7410399	0.336345659	0.046882004	0.807077133
WV1014889	024	2004 to 2005	13.91035258	9.587699483	16.33585814	302.0295275	0.89987762	0.053691115	1.150583346
WV1014897	001	2003 to 2004	16.33432899	38.77855336	4.802872134	886.1905805	1.056687601	0.217159891	0.338280649
WV1014897	001	2004 to 2005	2.941775372	2.78248481	1.075291133	78.78750384	0.190307025	0.015581914	0.07573597
WV1014897	003	2003 to 2004	3.895871918	0.870555696	1.733000624	104.35854	0.252028691	0.004875112	0.122060417
WV1014897	003	2004 to 2005	3.895871918	0.870555696	1.733000624	104.35854	0.252028691	0.004875112	0.122060417
WV1014951	001	2003 to 2004	210.2851571	389.8440234	63.66952295	1758.3494	13.60360247	2.183126453	4.484434923
WV1014951	001	2004 to 2005	28.36335433	24.01778534	4.553294812	601.9541331	1.834859874	0.134499593	0.320702172
WV1014951	002	2003 to 2004	7.473801669	11.26098919	27.7236837	717.1540353	0.483489316	0.063061537	1.952661958
WV1014951	002	2004 to 2005	17.70310177	18.26741459	8.261676962	874.6848378	1.145235176	0.102297518	0.581894617
WV1014951	015	2003 to 2004	133.404102	243.6880103	48.12839334	12612.24342	8.630073544	1.364652809	3.389826685

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1014951	015	2004 to 2005	43.0794408	83.41473885	12.12559748	1095.629515	2.786861399	0.467122521	0.854042095
WV1014951	034	2003 to 2004	0	0	0	0	0	0	0
WV1014951	034	2004 to 2005	0	0	0	0	0	0	0
WV1015036	001	2003 to 2004	1.378154553	1.732324725	0.195672262	127.1362779	0.089154494	0.009701018	0.013781783
WV1015036	001	2004 to 2005	1.284204863	1.039980642	0.228002686	68.67116566	0.083076774	0.005823891	0.016058911
WV1015044	001	2003 to 2004	3003.728112	1071.279178	1778.943633	68130.44629	194.3148234	5.99916318	125.2963206
WV1015044	001	2004 to 2005	2885.796349	371.4239943	1581.697975	19164.76061	186.6856742	2.079974294	111.4037189
WV1015052	001	2003 to 2004	337.5998842	1303.576976	198.5119355	9769.261788	21.83974695	7.300030804	13.98178933
WV1015052	001	2004 to 2005	120.0963779	491.8212064	104.2130379	1298.902543	7.769180692	2.754198658	7.340035937
WV1015109	001	2003 to 2004	3.06292069	11.39046673	12.46698681	125.2867772	0.198144063	0.063786611	0.878087167
WV1015109	001	2004 to 2005	7.480605038	28.37175928	17.77074057	141.0801622	0.483929434	0.158881846	1.251646407
WV1015176	002	2003 to 2004	51.08431676	58.92923188	26.38702995	1292.315619	3.304706557	0.330003687	1.858517437
WV1015176	002	2004 to 2005	19.79027237	355.9166931	105.2885753	704.5553233	1.280256779	1.99313341	7.415789252
WV1015176	005	2003 to 2004	16.55948377	16.27560669	4.848436528	489.3496367	1.071253137	0.091143394	0.341489885
WV1015176	005	2004 to 2005	21.3448364	57.64592815	62.62593927	275.766094	1.380823416	0.322817186	4.410932204
WV1015176	006	2003 to 2004	24.44945797	26.77454462	10.22857899	588.4812409	1.581665161	0.149937445	0.72042941
WV1015176	006	2004 to 2005	9.46796913	39.58054456	32.99460136	510.4376246	0.612494434	0.221651042	2.323908454
WV1015176	007	2003 to 2004	9.372443337	9.949208326	30.74882029	693.9211616	0.606314754	0.055715565	2.165731376
WV1015176	007	2004 to 2005	9.372443337	9.949208326	30.74882029	693.9211616	0.606314754	0.055715565	2.165731376
WV1015184	001	2003 to 2004	104.4937216	75.78160488	78.27791811	1490.128239	6.759825889	0.424376972	5.513347885
WV1015184	001	2004 to 2005	77.42096191	50.94545088	92.77734876	1896.444911	5.008456151	0.285294515	6.53458615
WV1015184	002	2003 to 2004	82.35132617	99.73540462	204.2561604	1422.538498	5.327407409	0.558518246	14.38637226
WV1015184	002	2004 to 2005	90.19173502	96.21828092	235.8709502	1324.267136	5.834612989	0.538822354	16.61309646
WV1015184	021	2003 to 2004	45.9069436	169.1545606	68.8243678	875.5122962	2.969775993	0.947265506	4.847506063
WV1015184	021	2004 to 2005	49.22498548	164.9386016	56.05769243	706.2758027	3.184424156	0.923656136	3.948310934
WV1015265	002	2003 to 2004	1470.513693	3398.684661	3342.587922	37175.44391	95.1293186	19.03263342	235.4284643
WV1015265	002	2004 to 2005	452.5132409	1572.925665	1995.406548	7308.702868	29.2736317	8.808383408	140.542451
WV1015265	003	2003 to 2004	10.56160081	20.12954283	59.66712908	86.64101978	0.683242797	0.112725436	4.202534353
WV1015265	003	2004 to 2005	10.56160081	20.12954283	59.66712908	86.64101978	0.683242797	0.112725436	4.202534353
WV1015281	001	2003 to 2004	34.82419439	36.11208597	7.395053645	664.1981213	2.252819473	0.202227674	0.520855745
WV1015281	001	2004 to 2005	99.75162425	99.27939935	39.19483316	2722.604368	6.453053846	0.555964617	2.760609323

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1015281	002	2003 to 2004	25.96379522	25.53761145	4.660987722	749.0416647	1.679629478	0.143010619	0.328287305
WV1015281	002	2004 to 2005	91.84338256	177.5029206	54.15043361	3964.444884	5.941460077	0.99401632	3.813976992
WV1015311	001	2003 to 2004	23.21011223	13.65652883	194.1355233	6622.086076	1.501490378	0.076476559	13.67354552
WV1015311	001	2004 to 2005	1.124210292	0.284938981	2.457659078	46.61760077	0.072726531	0.001595658	0.173100279
WV1015311	002	2003 to 2004	172.1166679	560.8665368	398.5368515	6554.725103	11.1344365	3.140852494	28.07014239
WV1015311	002	2004 to 2005	4.416892204	3.704689575	20.13787666	43.10293549	0.285734127	0.020746261	1.418370881
WV1015311	005	2003 to 2004	929.1920708	542.7004753	2060.247632	21456.97948	60.11056473	3.039122553	145.1094025
WV1015311	005	2004 to 2005	275.9283078	50.60873074	568.1813773	6607.571875	17.85013769	0.283408882	40.01871371
WV1015311	006	2003 to 2004	6.76541225	6.577203119	2.220197274	1527.188548	0.437662744	0.036832336	0.156375134
WV1015311	006	2004 to 2005	1.080234067	0.799661597	0.426566291	39.89295992	0.069881655	0.004478105	0.03004434
WV1015311	007	2003 to 2004	6.227524614	6.045225437	4.297161907	200.9732332	0.402866138	0.033853261	0.302661965
WV1015311	007	2004 to 2005	0.355792337	0.552613619	1.054940506	9.678849039	0.023016639	0.003094636	0.074302615
WV1015320	001	2003 to 2004	12.7699529	21.74767147	11.83270863	757.9286832	0.826103778	0.121786956	0.833413058
WV1015320	001	2004 to 2005	18.57230524	21.44261575	6.539982038	2132.298181	1.201465005	0.120078644	0.460630495
WV1015320	002	2003 to 2004	4.467005225	9.45129717	3.228310814	465.4848374	0.288975999	0.052927262	0.227379586
WV1015320	002	2004 to 2005	2.215748996	4.448350353	1.149115497	147.9606728	0.143339496	0.024910761	0.080935641
WV1015338	001	2003 to 2004	2408.724944	2178.660313	1100.450911	40812.66091	155.823345	12.20049732	77.50804891
WV1015338	001	2004 to 2005	3879.057804	3002.913226	3424.5693	143901.4503	250.9409653	16.81631347	241.202658
WV1015338	002	2003 to 2004	11130.25141	4332.462055	29505.11964	116309.4887	720.0294952	24.26178664	2078.13382
WV1015338	002	2004 to 2005	11683.71927	8677.948086	63754.30275	330366.7027	755.834004	48.59650755	4490.406218
WV1015338	003	2003 to 2004	105.7103354	56.24006114	48.11848006	3164.821438	6.838530112	0.314944331	3.389128463
WV1015338	003	2004 to 2005	105.7103354	56.24006114	48.11848006	3164.821438	6.838530112	0.314944331	3.389128463
WV1015346	001	2003 to 2004	14.92381193	14.85171622	78.7285151	54.07178235	0.965439537	0.083169608	5.545084779
WV1015346	001	2004 to 2005	3.496641939	4.361790457	4.181551187	335.2450632	0.226202018	0.024426026	0.294519156
WV1015346	004	2003 to 2004	2.739636972	3.46059407	2.018679874	0	0.177230446	0.019379326	0.142181661
WV1015346	004	2004 to 2005	2.69277479	0.800262387	1.719482708	27.57660963	0.174198875	0.004481469	0.12110831
WV1015346	005	2003 to 2004	5.969524769	5.162052816	16.65410895	37.12929006	0.386175815	0.028907495	1.172998703
WV1015346	005	2004 to 2005	5.969524769	5.162052816	16.65410895	37.12929006	0.386175815	0.028907495	1.172998703
WV1015346	007	2003 to 2004	2.883828411	6.795020749	5.73160899	0	0.186558366	0.038052115	0.403694363
WV1015346	007	2004 to 2005	2.883828411	6.795020749	5.73160899	0	0.186558366	0.038052115	0.403694363
WV1015346	018	2003 to 2004	4.091431571	3.893168367	1.31574672	170.3261162	0.264679682	0.021801742	0.092671977

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1015346	018	2004 to 2005	2.581026436	1.340980204	1.268884494	36.04785537	0.166969738	0.007509489	0.08937133
WV1015346	019	2003 to 2004	5.623465365	5.190891106	1.730297035	0	0.363788811	0.029068989	0.121869995
WV1015346	019	2004 to 2005	5.623465365	5.190891106	1.730297035	0	0.363788811	0.029068989	0.121869995
WV1015346	026	2003 to 2004	2.811732682	4.325742588	2.271014859	118.9579212	0.181894406	0.024224158	0.159954369
WV1015346	026	2004 to 2005	2.271014901	1.459938144	0.843519821	62.72326816	0.146914715	0.008175653	0.059411624
WV1015346	027	2003 to 2004	9.192203	25.41373771	32.87564367	378.5024765	0.594654788	0.142316926	2.315529908
WV1015346	027	2004 to 2005	0.951663379	1.319351494	0.237915843	24.33230232	0.061564261	0.007388368	0.016757124
WV1015346	028	2003 to 2004	2.216943097	16.302643	17.27593518	267.655323	0.143416744	0.091294798	1.216795783
WV1015346	028	2004 to 2005	1.211207943	0.951663372	0.886777238	28.65804505	0.078354514	0.005329315	0.062458373
WV1015362	001	2003 to 2004	150.7971951	86.04848606	479.4590186	4486.099402	9.755253885	0.481871505	33.76973264
WV1015362	001	2004 to 2005	106.7419546	43.98939887	752.6736985	4716.937021	6.905266815	0.246340625	53.01305968
WV1015362	002	2003 to 2004	23.54525706	12.60653577	223.2575844	847.4249967	1.523171304	0.070596598	15.72469938
WV1015362	002	2004 to 2005	11.75745893	10.76659346	230.8648895	189.7018415	0.760604313	0.060292921	16.26050464
WV1015362	003	2003 to 2004	8.09472095	8.407010721	101.0829345	471.7997631	0.523657339	0.047079258	7.119573396
WV1015362	003	2004 to 2005	8.538159892	4.982714783	115.5437406	688.4802462	0.552343944	0.027903202	8.138091219
WV1015362	008	2003 to 2004	38.24000168	3.460593996	3.640833266	136.9818496	2.473792315	0.019379326	0.256434776
WV1015362	008	2004 to 2005	38.24000168	3.460593996	3.640833266	136.9818496	2.473792315	0.019379326	0.256434776
WV1015362	010	2003 to 2004	41.63527416	33.52450646	6.596757727	2444.044667	2.693436504	0.187737229	0.464629376
WV1015362	010	2004 to 2005	156.3963201	61.63642404	8.253156287	2933.394168	10.11746808	0.345163962	0.581294481
WV1015362	011	2003 to 2004	53.35082395	55.80207802	219.6035284	1970.015221	3.451329663	0.312491626	15.46733329
WV1015362	011	2004 to 2005	27.129796	6.391720314	231.0489746	754.2247678	1.755059487	0.035793632	16.2734703
WV1015362	012	2003 to 2004	78.86144404	54.05150715	1244.723459	4328.108375	5.101642691	0.302688429	87.66959593
WV1015362	012	2004 to 2005	74.06958366	18.06898828	1261.308982	4128.455883	4.791651417	0.101186331	88.83776393
WV1015389	021	2003 to 2004	36.69671617	13.12141894	18.67278889	367.6881172	2.373955183	0.073479943	1.315180368
WV1015389	021	2004 to 2005	36.69671617	13.12141894	18.67278889	367.6881172	2.373955183	0.073479943	1.315180368
WV1015389	035	2003 to 2004	1.167950537	0.821891118	0.129772282	82.18911183	0.07555614	0.00460259	0.00914025
WV1015389	035	2004 to 2005	1.167950537	0.821891118	0.129772282	82.18911183	0.07555614	0.00460259	0.00914025
WV1015460	001	2003 to 2004	950.2214787	225.7797364	125.3984744	9252.282966	61.4709827	1.264366479	8.832189596
WV1015460	001	2004 to 2005	950.2214787	225.7797364	125.3984744	9252.282966	61.4709827	1.264366479	8.832189596
WV1015460	002	2003 to 2004	140.5866372	126.1905655	60.45657952	2942.802746	9.094720479	0.706667142	4.258137709
WV1015460	002	2004 to 2005	140.5866372	126.1905655	60.45657952	2942.802746	9.094720479	0.706667142	4.258137709



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1015478	001	2003 to 2004	179.2930198	0	0	0	11.59868343	0	0
WV1015478	001	2004 to 2005	151.618724	0	0	0	9.808399588	0	0
WV1015478	002	2003 to 2004	139.6703646	0	0	0	9.035445694	0	0
WV1015478	002	2004 to 2005	306.2457523	0	0	0	19.81141004	0	0
WV1015478	012	2003 to 2004	103.8178194	0	0	0	6.716100956	0	0
WV1015478	012	2004 to 2005	103.8178194	0	0	0	6.716100956	0	0
WV1015494	DLB	2003 to 2004	598.0290867	1005.776191	206.5918663	789.2000122	38.68722867	5.63234647	14.55088302
WV1015494	DLB	2004 to 2005	598.0290867	1005.776191	206.5918663	789.2000122	38.68722867	5.63234647	14.55088302
WV1015494	ULB	2003 to 2004	50.67713831	819.2804027	152.0314149	789.2000122	3.278365688	4.587970092	10.70802725
WV1015494	ULB	2004 to 2005	50.67713831	819.2804027	152.0314149	789.2000122	3.278365688	4.587970092	10.70802725
WV1015532	002	2003 to 2004	134.512572	232.2202834	42.24808667	5469.631215	8.701781814	1.300433541	2.975659099
WV1015532	002	2004 to 2005	34.5951266	86.81404956	23.25086641	3573.993473	2.238000799	0.48615866	1.637628059
WV1015532	003	2003 to 2004	132.672331	77.45422521	25.7291568	3046.451154	8.582734391	0.433743646	1.812181464
WV1015532	003	2004 to 2005	32.67738061	61.91759841	8.32705458	2528.576806	2.11393948	0.346738539	0.586499359
WV1015532	004	2003 to 2004	8818.963728	5092.574365	1826.872914	103676.6055	570.5094853	28.51841543	128.6721231
WV1015532	004	2004 to 2005	3890.333179	2088.621733	917.8829321	67914.68689	251.6703831	11.69628129	64.6492401
WV1015532	005	2003 to 2004	3373.961319	3047.119998	1052.781564	54387.95597	218.2656596	17.06387138	74.15055421
WV1015532	005	2004 to 2005	3416.763454	2384.333087	1344.691332	99656.90462	221.0345818	13.35226481	94.71063221
WV1015532	006	2003 to 2004	163.5545301	254.6618808	29.14108687	5725.12047	10.58054139	1.426106482	2.052493903
WV1015532	006	2004 to 2005	44.60922212	119.2733444	32.21777159	3624.837214	2.885824813	0.667930705	2.26919401
WV1015532	007	2003 to 2004	249.8116428	264.9517423	30.28019912	9333.87138	16.16061888	1.483729704	2.132724986
WV1015532	007	2004 to 2005	249.8116428	264.9517423	30.28019912	9333.87138	16.16061888	1.483729704	2.132724986
WV1015532	009	2003 to 2004	62.50878458	49.22334691	8.177456043	1421.051532	4.04376927	0.275650733	0.575962686
WV1015532	009	2004 to 2005	14.77241145	32.41423214	5.378340132	1363.320907	0.955645256	0.181519693	0.378812581
WV1015532	011	2003 to 2004	80.48765121	72.24530945	9.723908931	2736.149377	5.20684401	0.404573718	0.684883988
WV1015532	011	2004 to 2005	82.77524665	124.0666221	22.2429681	2872.293049	5.35483134	0.694773059	1.566638767
WV1015532	014	2003 to 2004	207.0339782	271.7485626	16.10257715	6626.823347	13.39327975	1.521791896	1.134152668
WV1015532	014	2004 to 2005	37.45372201	66.81470059	14.36507053	2880.268743	2.422926811	0.37416231	1.01177488
WV1015559	001	2003 to 2004	684.0981774	814.3075337	89.43923486	14621.01038	44.25514279	4.560122026	6.299472805
WV1015559	001	2004 to 2005	611.0201533	208.5783013	41.41177668	6635.959649	39.52763656	1.168038445	2.916755285
WV1015559	002	2003 to 2004	278.0010582	114.6538068	32.26042699	4503.098042	17.98422644	0.642061295	2.272198357

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1015559	002	2004 to 2005	214.701031	55.92103943	81.72229383	1554.023085	13.88927072	0.31315781	5.755945568
WV1015559	004	2003 to 2004	379.1906738	272.5414529	50.47060308	5316.337796	24.53030569	1.526232082	3.554795522
WV1015559	004	2004 to 2005	386.269161	287.455435	76.9392338	8399.805961	24.98822163	1.609750379	5.419060346
WV1015559	005	2003 to 2004	134.0980258	339.7870948	40.77012564	4087.826907	8.674964321	1.902807663	2.871561884
WV1015559	005	2004 to 2005	62.00231062	17.15877914	3.100115531	587.5800391	4.011004853	0.09608916	0.218350409
WV1015559	006	2003 to 2004	382.1597025	181.0411799	59.01718855	6450.331168	24.72237577	1.013830571	4.156757098
WV1015559	006	2004 to 2005	302.2844388	186.7594332	145.4175847	8263.502134	19.55514785	1.045852789	10.2421954
WV1015567	001	2003 to 2004	125.446539	21.52057012	6.272326949	1211.207969	8.115289118	0.120515188	0.441778746
WV1015567	001	2004 to 2005	102.8445327	43.2047076	13.69232763	852.0361264	6.653137852	0.241946354	0.964391586
WV1015567	003	2003 to 2004	4.844831953	1.695691184	7.82094301	86.51485631	0.313418069	0.00949587	0.550852407
WV1015567	003	2004 to 2005	4.844831953	1.695691184	7.82094301	86.51485631	0.313418069	0.00949587	0.550852407
WV1015567	006	2003 to 2004	5.190890994	4.671801894	8.04588104	90.84059239	0.335805049	0.02616209	0.566695465
WV1015567	006	2004 to 2005	5.190890994	4.671801894	8.04588104	90.84059239	0.335805049	0.02616209	0.566695465
WV1015567	007	2003 to 2004	8.651485176	4.758316847	1.946584165	151.4009906	0.559675094	0.026646573	0.137103745
WV1015567	007	2004 to 2005	8.651485176	4.758316847	1.946584165	151.4009906	0.559675094	0.026646573	0.137103745
WV1015630	001	2003 to 2004	9.665331305	16.808214	6.995536937	410.1344793	0.625262033	0.094125995	0.492716589
WV1015630	001	2004 to 2005	9.665331305	16.808214	6.995536937	410.1344793	0.625262033	0.094125995	0.492716589
WV1015681	002	2003 to 2004	46.52912966	71.38917279	46.66034421	1036.375842	3.010025966	0.399779353	3.286427594
WV1015681	002	2004 to 2005	46.52912966	71.38917279	46.66034421	1036.375842	3.010025966	0.399779353	3.286427594
WV1015699	004	2003 to 2004	115.7049677	417.866752	96.37754901	5389.875496	7.485095029	2.340053728	6.788159022
WV1015699	004	2004 to 2005	115.7049677	417.866752	96.37754901	5389.875496	7.485095029	2.340053728	6.788159022
WV1015702	001	2003 to 2004	52.12346808	133.4188803	69.32435155	2822.54706	3.37193052	0.747145703	4.882721414
WV1015702	001	2004 to 2005	52.12346808	133.4188803	69.32435155	2822.54706	3.37193052	0.747145703	4.882721414
WV1015702	002	2003 to 2004	80.56154879	154.6723332	111.2256561	3201.950678	5.211624534	0.866165035	7.833955609
WV1015702	002	2004 to 2005	80.56154879	154.6723332	111.2256561	3201.950678	5.211624534	0.866165035	7.833955609
WV1015702	003	2003 to 2004	60.66637701	99.28660591	35.00607109	1894.675232	3.924581684	0.556004973	2.465582282
WV1015702	003	2004 to 2005	60.66637701	99.28660591	35.00607109	1894.675232	3.924581684	0.556004973	2.465582282
WV1015702	017	2003 to 2004	10.46829706	6.056039623	0.865148518	43.25742588	0.677206864	0.033913821	0.060934998
WV1015702	017	2004 to 2005	10.46829706	6.056039623	0.865148518	43.25742588	0.677206864	0.033913821	0.060934998
WV1015737	001	2003 to 2004	378.6755128	121.7534335	46.18919828	2861.154353	24.4969793	0.681819203	3.253243377
WV1015737	001	2004 to 2005	271.2961632	52.04048725	26.01663891	1559.159884	17.55047863	0.291426718	1.832429689

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1015737	022	2003 to 2004	345.5875083	387.2640715	50.77930247	8790.892008	22.35647606	2.168678723	3.576538143
WV1015737	022	2004 to 2005	195.2351875	155.7366513	20.78519362	4851.050137	12.63000164	0.872125216	1.463963351
WV1015737	027	2003 to 2004	72.17810643	15.97125994	3.775755403	1120.058358	4.669289456	0.089439052	0.265937746
WV1015737	027	2004 to 2005	35.54973958	9.426186589	2.329019176	496.4772813	2.299755873	0.052786643	0.164039786
WV1015753	001	2003 to 2004	1763.749471	575.4138956	104.6739603	17082.17754	114.0990975	3.2223177	7.372500079
WV1015753	001	2004 to 2005	631.781929	168.48921	57.97720852	7550.034119	40.87074107	0.943539542	4.083508194
WV1015818	001	2003 to 2004	43.97549898	41.92509677	12.19859387	816.7001956	2.844828492	0.234780534	0.85918345
WV1015818	001	2004 to 2005	259.3361352	78.03246494	10.89693913	6671.868063	16.77676987	0.436981788	0.767504014
WV1015818	004	2003 to 2004	43.30068275	32.24841072	3.547108904	919.2202902	2.80117381	0.180591094	0.249833489
WV1015818	004	2004 to 2005	14.80701698	8.755303136	2.833361436	364.6601038	0.95788393	0.049029696	0.19956212
WV1015826	001	2003 to 2004	66.18386445	24.65673382	2049.753214	1881.698107	4.281514655	0.138077704	144.3702492
WV1015826	001	2004 to 2005	66.18386445	24.65673382	2049.753214	1881.698107	4.281514655	0.138077704	144.3702492
WV1015826	002	2003 to 2004	5.234148568	12.37162387	1.124693081	484.4831736	0.338603434	0.069281091	0.079215497
WV1015826	002	2004 to 2005	5.234148568	12.37162387	1.124693081	484.4831736	0.338603434	0.069281091	0.079215497
WV1015834	001	2003 to 2004	9.33999284	3.190235208	6.621991005	180.9602343	0.604215909	0.017865317	0.466406631
WV1015834	001	2004 to 2005	10.86842825	2.072751657	0.964280119	83.36066446	0.703091837	0.011607409	0.067917133
WV1015834	002	2003 to 2004	32.15468652	13.80632857	53.386873	693.9212075	2.080125763	0.077315437	3.760197134
WV1015834	002	2004 to 2005	33.92103152	7.344750433	41.65329665	296.4936053	2.194392769	0.041130601	2.933766259
WV1015834	003	2003 to 2004	26.46961215	13.89349871	16.55972905	655.1533771	1.712351391	0.07780359	1.166351244
WV1015834	003	2004 to 2005	29.86564748	7.939539975	7.804360556	265.1770319	1.932045045	0.044461422	0.549684455
WV1015834	005	2003 to 2004	15.78896087	14.94784416	10.83838869	329.2370844	1.021407074	0.083707924	0.763380131
WV1015834	005	2004 to 2005	14.86974051	3.046043787	1.604129573	251.4337914	0.961941591	0.017057845	0.112983643
WV1015834	006	2003 to 2004	9.782357971	6.840853024	9.732920833	134.7159848	0.63283263	0.038308776	0.685518723
WV1015834	006	2004 to 2005	6.545389256	1.965509289	1.54780477	63.93988275	0.423429189	0.011006852	0.109016519
WV1015834	008	2003 to 2004	27.80272715	0	0	0	1.798592221	0	0
WV1015834	008	2004 to 2005	27.80272715	0	0	0	1.798592221	0	0
WV1015848	001	2003 to 2004	2.590136713	4.587548368	0.577044234	228.8342413	0.167559093	0.02569027	0.040642951
WV1015848	001	2004 to 2005	7.81723485	18.72698943	1.849254967	584.7090815	0.505706426	0.104871137	0.130248558
WV1015848	004	2003 to 2004	17.47194498	29.59078344	2.304809774	2459.59029	1.130281363	0.165708381	0.162334646
WV1015848	004	2004 to 2005	8.510898518	17.46879043	1.450926156	374.897684	0.550580372	0.097825223	0.102193069
WV1015869	047	2003 to 2004	78.6203728	0	0	0	5.0860475	0	0

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1015869	047	2004 to 2005	180.3991263	0	0	0	11.6702388	0	0
WV1015869	048	2003 to 2004	160.0033212	0	0	0	10.35080937	0	0
WV1015869	048	2004 to 2005	44.02221802	0	0	0	2.847850804	0	0
WV1015877	001	2003 to 2004	201.5075147	146.597618	67.10758974	4249.140999	13.03576611	0.820946632	4.72658825
WV1015877	001	2004 to 2005	90.62430879	41.14592344	17.09479431	1491.97568	5.862596712	0.230417163	1.20403749
WV1015877	003	2003 to 2004	83.05425554	211.9613813	270.3589048	8218.910705	5.372880765	1.186983693	19.04218625
WV1015877	003	2004 to 2005	54.88886804	31.37701503	12.00994403	1042.864476	3.550827605	0.175711278	0.845896277
WV1015877	004	2003 to 2004	22.27757508	17.10290533	11.21719164	451.2290374	1.441163416	0.095776266	0.790060355
WV1015877	004	2004 to 2005	22.27757508	17.10290533	11.21719164	451.2290374	1.441163416	0.095776266	0.790060355
WV1015877	005	2003 to 2004	8.651485176	1.297722776	1.297722776	21.62871294	0.559675094	0.007267247	0.091402496
WV1015877	005	2004 to 2005	8.651485176	16.65410896	2.595445553	389.3168329	0.559675094	0.093263007	0.182804993
WV1015877	006	2003 to 2004	17.30297035	3.028019812	2.162871294	43.25742588	1.119350188	0.01695691	0.152337494
WV1015877	006	2004 to 2005	4.325742588	13.2367722	2.573816794	222.7757466	0.279837547	0.074125922	0.181281615
WV1015877	007	2003 to 2004	38.24000168	80.45881561	7.786336994	3374.079364	2.473792315	0.450569351	0.548415002
WV1015877	007	2004 to 2005	38.24000168	80.45881561	7.786336994	3374.079364	2.473792315	0.450569351	0.548415002
WV1015877	008	2003 to 2004	21.62871238	16.49189319	8.110767143	1000.327948	1.399187699	0.092354599	0.571265587
WV1015877	008	2004 to 2005	27.7712678	25.5856866	28.83540052	517.6832534	1.796557077	0.14327984	2.030963499
WV1015877	009	2003 to 2004	10.03572282	5.510996046	8.141047487	209.0415113	0.64922311	0.030861577	0.573398323
WV1015877	009	2004 to 2005	5.262986943	7.519582719	1.72789388	451.3191529	0.340469024	0.042109662	0.121700734
WV1015877	010	2003 to 2004	12.11207936	9.300346809	8.521713118	285.4990172	0.783545139	0.05208194	0.600209742
WV1015877	010	2004 to 2005	4.325742588	5.709980128	1.189579233	449.8772294	0.279837547	0.031975888	0.083785623
WV1015877	011	2003 to 2004	14.13075897	24.88022935	9.664429894	284.4175736	0.914135977	0.139329279	0.680694702
WV1015877	011	2004 to 2005	10.38178199	16.61085118	1.297722748	778.6336491	0.671610098	0.093020763	0.091402494
WV1015877	012	2003 to 2004	96.03148702	54.8720454	96.37754627	698.6074397	6.212393646	0.307283443	6.788158829
WV1015877	012	2004 to 2005	96.03148702	54.8720454	96.37754627	698.6074397	6.212393646	0.307283443	6.788158829
WV1015877	013	2003 to 2004	9.420506106	11.97269423	5.619860587	242.9625436	0.609423993	0.067047085	0.395823589
WV1015877	013	2004 to 2005	1.730297091	4.001312023	0.973292114	101.6549541	0.111935022	0.022407347	0.068551874
WV1015877	014	2003 to 2004	6.488613938	5.999804949	2.759823789	114.8484669	0.419756324	0.033598907	0.194382644
WV1015877	014	2004 to 2005	6.921188365	9.740130822	7.332133694	253.7769051	0.44774009	0.054544731	0.516424105
WV1015877	015	2003 to 2004	26.17074382	9.465265924	20.52024231	852.9824039	1.693017235	0.053005487	1.445302038
WV1015877	015	2004 to 2005	5.190890994	2.854990047	1.687039573	155.7267298	0.335805049	0.015987944	0.118823243

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1015877	016	2003 to 2004	4.325742728	1.887105271	0.95166339	60.56039784	0.279837556	0.010567789	0.067028499
WV1015877	016	2004 to 2005	33.49360624	37.13031985	72.45927638	759.6312867	2.166742108	0.207929784	5.103523546
WV1015877	017	2003 to 2004	5.190890994	9.603148339	2.595445497	363.3623696	0.335805049	0.053777629	0.182804989
WV1015877	017	2004 to 2005	5.190890994	9.603148339	2.595445497	363.3623696	0.335805049	0.053777629	0.182804989
WV1015877	018	2003 to 2004	7.594081538	4.545634548	4.044569342	197.4220879	0.491270367	0.025455553	0.284871115
WV1015877	018	2004 to 2005	16.14943877	10.36736291	2.393577526	285.4990056	1.044726828	0.05805723	0.168586824
WV1015877	020	2003 to 2004	8.745078734	8.584249602	24.99210585	383.2116448	0.565729775	0.048071796	1.760268761
WV1015877	020	2004 to 2005	14.56333364	7.56284014	1.759135335	291.266675	0.942119759	0.042351903	0.123901163
WV1015877	021	2003 to 2004	10.38178199	2.076356398	1.297722748	4438.2118	0.671610098	0.011627595	0.091402494
WV1015877	021	2004 to 2005	10.38178199	2.076356398	1.297722748	4438.2118	0.671610098	0.011627595	0.091402494
WV1015877	022	2003 to 2004	3.460594182	7.180732928	0.432574273	458.5287292	0.223870045	0.040212103	0.0304675
WV1015877	022	2004 to 2005	3.460594182	7.180732928	0.432574273	458.5287292	0.223870045	0.040212103	0.0304675
WV1015893	001	2003 to 2004	39.41833005	0	0	0	2.550019694	0	0
WV1015893	001	2004 to 2005	256.6398174	0	0	0	16.6023418	0	0
WV1015915	001	2003 to 2004	478.8453054	0	1263.351201	9249.159008	30.97708497	0	88.9816035
WV1015915	001	2004 to 2005	478.8453054	0	1263.351201	9249.159008	30.97708497	0	88.9816035
WV1015923	001	2003 to 2004	1.297722748	0	0	0	0.083951262	0	0
WV1015923	001	2004 to 2005	1.297722748	0	0	0	0.083951262	0	0
WV1015923	004	2003 to 2004	414.2980008	0	0	0	26.80144136	0	0
WV1015923	004	2004 to 2005	114.2735073	0	0	1643.782249	7.392492119	0	0
WV1015923	007	2003 to 2004	973.2921366	0	0	0	62.9634516	0	0
WV1015923	007	2004 to 2005	195.1008278	0	0	0	12.62130975	0	0
WV1015923	016	2003 to 2004	288.9596114	138.7481968	21.69359957	3421.662464	18.69314856	0.776989874	1.527945099
WV1015923	016	2004 to 2005	288.9596114	138.7481968	21.69359957	3421.662464	18.69314856	0.776989874	1.527945099
WV1015923	021	2003 to 2004	677.519469	213.1915295	45.70868156	4820.499624	43.82955815	1.193872523	3.219399147
WV1015923	021	2004 to 2005	195.1008278	0	45.70868156	0	12.62130975	0	3.219399147
WV1015923	022	2003 to 2004	857.4054664	0	0	0	55.46660201	0	0
WV1015923	022	2004 to 2005	131.2135392	0	0	0	8.488363375	0	0
WV1015982	003	2003 to 2004	5.849966233	9.773775389	5.877602945	307.1277332	0.378441428	0.05473314	0.413977154
WV1015982	003	2004 to 2005	2.819843461	2.759688601	0.641651822	61.06732024	0.182419102	0.015454256	0.045193457
WV1015982	004	2003 to 2004	4.542029913	2.595445665	0.648861416	0	0.293829437	0.014534495	0.04570125

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1015982	004	2004 to 2005	4.542029913	2.595445665	0.648861416	0	0.293829437	0.014534495	0.04570125
WV1015982	008	2003 to 2004	4.209874551	29.18176899	88.90791596	306.8959924	0.272341903	0.163417901	6.262050426
WV1015982	008	2004 to 2005	11.93544447	535.8765831	202.3762591	1488.055414	0.772118414	3.000908758	14.25396519
WV1015982	010	2003 to 2004	1.816811988	6.056039959	0.605603996	60.56039959	0.117531776	0.033913823	0.042654501
WV1015982	010	2004 to 2005	1.816811988	6.056039959	0.605603996	60.56039959	0.117531776	0.033913823	0.042654501
WV1015991	001	2003 to 2004	111.3878763	300.7337483	594.9653639	1527.527914	7.205817135	1.68410893	41.90519
WV1015991	001	2004 to 2005	7.353762561	18.81517821	14.40292079	144.1914212	0.47572384	0.105364994	1.014440787
WV1015991	002	2003 to 2004	9.516634002	19.55235713	5.709980401	25.95445637	0.615642623	0.109493196	0.402170997
WV1015991	002	2004 to 2005	9.516634002	19.55235713	5.709980401	25.95445637	0.615642623	0.109493196	0.402170997
WV1015991	008	2003 to 2004	45.17325007	26.1623315	95.45472326	422.1203853	2.922312467	0.146509051	6.723161644
WV1015991	008	2004 to 2005	5.527204497	102.242903	85.57058328	523.1250149	0.357561579	0.572560236	6.026992104
WV1015991	010	2003 to 2004	3.460594182	2.335901073	2.422415928	86.51485456	0.223870045	0.013081046	0.170617999
WV1015991	010	2004 to 2005	3.460594182	2.335901073	2.422415928	86.51485456	0.223870045	0.013081046	0.170617999
WV1015991	012	2003 to 2004	0.765656422	2.984762321	4.801574169	311.4534596	0.049531245	0.016714668	0.338189229
WV1015991	012	2004 to 2005	0.765656422	2.984762321	4.801574169	311.4534596	0.049531245	0.016714668	0.338189229
WV1015991	013	2003 to 2004	2.439718899	12.19859449	1.038178255	17.30297091	0.157828382	0.068312127	0.073121999
WV1015991	013	2004 to 2005	2.439718899	12.19859449	1.038178255	17.30297091	0.157828382	0.068312127	0.073121999
WV1015991	014	2003 to 2004	1.557267382	33.39473386	2.422415928	207.6356509	0.10074152	0.187010503	0.170617999
WV1015991	014	2004 to 2005	1.557267382	33.39473386	2.422415928	207.6356509	0.10074152	0.187010503	0.170617999
WV1015991	015	2003 to 2004	2.816058581	43.30068571	2.725217982	242.2415984	0.182174253	0.242483831	0.191945253
WV1015991	015	2004 to 2005	2.816058581	43.30068571	2.725217982	242.2415984	0.182174253	0.242483831	0.191945253
WV1015991	017	2003 to 2004	3.460594182	16.78388178	2.941505055	69.21188365	0.223870045	0.093989735	0.207178998
WV1015991	017	2004 to 2005	3.460594182	16.78388178	2.941505055	69.21188365	0.223870045	0.093989735	0.207178998
WV1015991	027	2003 to 2004	3.815305018	3.503851547	8.078324399	194.6584193	0.24681672	0.019621568	0.568980548
WV1015991	027	2004 to 2005	3.815305018	3.503851547	8.078324399	194.6584193	0.24681672	0.019621568	0.568980548
WV1015991	036	2003 to 2004	5.147633965	61.46880558	8.781257941	605.6039959	0.333006699	0.344225299	0.61849026
WV1015991	036	2004 to 2005	5.147633965	61.46880558	8.781257941	605.6039959	0.333006699	0.344225299	0.61849026
WV1016024	001	2003 to 2004	35.42566949	97.08372372	58.84956593	4014.910992	2.291729628	0.543668833	4.144950935
WV1016024	001	2004 to 2005	14.43153398	54.60844654	23.7938379	658.5267485	0.933593478	0.30580729	1.675871166
WV1016024	002	2003 to 2004	34.40263147	127.5607441	67.24583268	2359.4493	2.225548055	0.714340141	4.736325113
WV1016024	002	2004 to 2005	17.90328053	76.61994432	26.1403284	644.2315275	1.158184984	0.429071673	1.84114151

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1016024	005	2003 to 2004	27.09158534	98.23220851	39.37074685	3841.097218	1.752587592	0.550100348	2.77299945
WV1016024	005	2004 to 2005	18.89943984	63.17747171	18.56689854	1304.887306	1.22262774	0.353793829	1.307722194
WV1016024	007	2003 to 2004	3.556355267	6.047928958	6.002724977	538.3900437	0.230064946	0.033868401	0.422789873
WV1016024	007	2004 to 2005	0.87325927	0.399830789	0.965782096	21.44847349	0.056492204	0.002239052	0.068022921
WV1016024	008	2003 to 2004	10.29851181	125.3124364	99.90572861	427.8700204	0.666223249	0.701749619	7.036659263
WV1016024	008	2004 to 2005	19.48506791	840.8919435	683.8939231	1172.03596	1.260512732	4.708994716	48.16869439
WV1016024	009	2003 to 2004	29.48714608	624.7093519	109.3331483	677.6996964	1.907559329	3.498372246	7.700660629
WV1016024	009	2004 to 2005	29.48714608	624.7093519	109.3331483	677.6996964	1.907559329	3.498372246	7.700660629
WV1016024	010	2003 to 2004	11.10394134	17.52166136	2.987766505	1155.168576	0.718327465	0.0981213	0.210437331
WV1016024	010	2004 to 2005	10.96440599	14.43986983	3.064518361	578.2977298	0.709300753	0.080863268	0.215843194
WV1016024	012	2003 to 2004	25.2334986	1791.758709	492.4137204	7254.630757	1.632385702	10.03384841	34.68217103
WV1016024	012	2004 to 2005	25.2334986	1791.758709	492.4137204	7254.630757	1.632385702	10.03384841	34.68217103
WV1016032	001	2003 to 2004	134.6711825	357.6880921	0	4178.342982	8.71204252	2.003053244	0
WV1016032	001	2004 to 2005	46.68197295	0	0	1497.788397	3.019913584	0	0
WV1016059	001	2003 to 2004	132.6633175	17.38588069	25.23710367	1017.991428	8.582151295	0.097360928	1.77752469
WV1016059	001	2004 to 2005	108.386889	14.92381211	25.0352354	1058.905738	7.011679624	0.083573345	1.763306504
WV1016083	DSMF	2003 to 2004	2368.668616	900.8359392	158.9710481	789.2000122	153.2320525	5.044681079	11.19680637
WV1016083	DSMF	2004 to 2005	2368.668616	900.8359392	158.9710481	789.2000122	153.2320525	5.044681079	11.19680637
WV1016083	USMF	2003 to 2004	1042.395819	496.3789612	110.3064358	789.2000122	67.4338528	2.779722084	7.769212179
WV1016083	USMF	2004 to 2005	1042.395819	496.3789612	110.3064358	789.2000122	67.4338528	2.779722084	7.769212179
WV1016091	022	2003 to 2004	6.993284158	14.92381265	7.137475615	631.9910229	0.452404054	0.083573348	0.502713754
WV1016091	022	2004 to 2005	6.993284158	14.92381265	7.137475615	631.9910229	0.452404054	0.083573348	0.502713754
WV1016091	024	2003 to 2004	40.49706297	58.48591597	20.35906002	1501.926701	2.619804238	0.327521118	1.433949487
WV1016091	024	2004 to 2005	40.49706297	36.62642413	9.718501991	1622.800586	2.619804238	0.205107968	0.684503161
WV1016113	002	2003 to 2004	10.43026678	16.26479233	6.252500503	996.99356	0.674746639	0.091082834	0.44038231
WV1016113	002	2004 to 2005	45.13918419	31.28503235	9.804115243	2195.885111	2.920108703	0.175196175	0.690533159
WV1016113	003	2003 to 2004	234.3262266	361.8963891	77.95244248	7522.936871	15.15884848	2.026619707	5.490423663
WV1016113	003	2004 to 2005	141.7389911	299.79448	77.19948664	7734.918514	9.169267654	1.678849028	5.437390732
WV1016113	004	2003 to 2004	140.1297329	280.0062293	63.71007999	6971.655395	9.065162785	1.568034828	4.487291477
WV1016113	004	2004 to 2005	172.5112005	295.7444172	56.13191798	8656.712072	11.15995929	1.656168677	3.953538862
WV1016113	005	2003 to 2004	569.6605191	300.3842775	43.38209272	8437.050742	36.85203155	1.682151894	3.055530537

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1016113	005	2004 to 2005	293.0210754	180.2858035	24.12052109	9200.012979	18.95588961	1.009600464	1.69888044
WV1016113	DS-15	2003 to 2004	2743.428825	2087.211387	206.2793468	46205.2399	177.475746	11.68838335	14.52887133
WV1016113	DS-15	2004 to 2005	376.0728577	1067.160713	107.0020506	28661.04897	24.32861038	5.976099779	7.536474447
WV1016113	DSMF	2003 to 2004	7640.505488	2267.22996	274.1439516	789.2000122	494.273589	12.69648732	19.30877842
WV1016113	DSMF	2004 to 2005	7640.505488	2267.22996	274.1439516	789.2000122	494.273589	12.69648732	19.30877842
WV1016113	DSMF02	2003 to 2004	155.5419912	424.4905364	77.17395307	3028.019862	10.06220051	2.377146919	5.435592326
WV1016113	DSMF02	2004 to 2005	413.9567482	492.5398766	99.26377811	3064.067707	26.77936531	2.758223211	6.991444769
WV1016113	DSWB	2003 to 2004	2258.253898	2572.735378	217.3685635	117552.0539	146.0891901	14.40731761	15.30991803
WV1016113	DSWB	2004 to 2005	2258.253898	2572.735378	217.3685635	117552.0539	146.0891901	14.40731761	15.30991803
WV1016113	US-16	2003 to 2004	93.09764213	155.9835767	22.65607725	9190.40078	6.022599653	0.873507998	1.59573528
WV1016113	US-16	2004 to 2005	69.16381975	168.734007	15.29630683	9187.396897	4.474291586	0.944910406	1.077364638
WV1016113	US-17	2003 to 2004	92.53349365	146.1380075	36.21007104	9880.266615	5.986104202	0.818372813	2.5503836
WV1016113	US-17	2004 to 2005	118.7560561	213.9980957	20.90775638	8157.629737	7.682473647	1.198389293	1.472595813
WV1016113	US-18	2003 to 2004	58.88236865	67.97724289	14.78863258	2733.328622	3.809172014	0.380672547	1.041607622
WV1016113	US-18	2004 to 2005	49.19547055	84.43008677	10.20394643	6579.574837	3.1825148	0.472808469	0.718694465
WV1016113	USMF	2003 to 2004	6793.525019	1491.840545	174.1111459	789.2000122	439.4813927	8.354306757	12.26316873
WV1016113	USMF	2004 to 2005	6793.525019	1491.840545	174.1111459	789.2000122	439.4813927	8.354306757	12.26316873
WV1016113	USMFAC	2003 to 2004	63.94889546	151.8651096	39.17500718	4936.753935	4.136931794	0.850444584	2.75921292
WV1016113	USMFAC	2004 to 2005	264.4521774	258.7154637	45.98504795	3107.325194	17.10773286	1.448806545	3.238864459
WV1016113	USUWB-1	2003 to 2004	102.3578873	61.37147418	20.27691886	6515.649885	6.621656172	0.343680243	1.42816404
WV1016113	USUWB-1	2004 to 2005	102.3578873	61.37147418	20.27691886	6515.649885	6.621656172	0.343680243	1.42816404
WV1016113	USUWB-2	2003 to 2004	247.9191169	217.3685617	85.97413239	11409.14594	16.03818908	1.217263902	6.055415274
WV1016113	USUWB-2	2004 to 2005	247.9191169	217.3685617	85.97413239	11409.14594	16.03818908	1.217263902	6.055415274
WV1016113	USUWB-3	2003 to 2004	224.9386134	181.6811903	45.42029734	16654.10912	14.55155237	1.017414629	3.199087384
WV1016113	USUWB-3	2004 to 2005	224.9386134	181.6811903	45.42029734	16654.10912	14.55155237	1.017414629	3.199087384
WV1016245	001	2003 to 2004	11.37129614	27.60020452	9.475342703	806.6772794	0.735622972	0.15456114	0.667376725
WV1016245	001	2004 to 2005	21.61609625	40.43127442	12.98804219	278.4696777	1.398371546	0.226415129	0.914786656
WV1016245	002	2003 to 2004	4.23627851	4.677700865	0.728494405	177.4046081	0.274050007	0.026195124	0.05131004
WV1016245	002	2004 to 2005	3.181043069	3.583877871	0	110.0631163	0.205785543	0.020069715	0
WV1016245	003	2003 to 2004	7.736455756	90.90548476	12.44157971	185.4797409	0.500480729	0.509070697	0.876297669
WV1016245	003	2004 to 2005	7.736455756	90.90548476	12.44157971	185.4797409	0.500480729	0.509070697	0.876297669



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1016245	005	2003 to 2004	0.983205262	0.958872963	0	30.41537818	0.063604744	0.005369688	0
WV1016245	005	2004 to 2005	0.983205262	0.958872963	0	30.41537818	0.063604744	0.005369688	0
WV1016245	006	2003 to 2004	0	0	0	0	0	0	0
WV1016245	006	2004 to 2005	0	0	0	0	0	0	0
WV1016245	007	2003 to 2004	7.39445147	8.261276232	0	427.3887769	0.478356055	0.046263145	0
WV1016245	007	2004 to 2005	7.39445147	8.261276232	0	427.3887769	0.478356055	0.046263145	0
WV1016245	008	2003 to 2004	3.226283081	1.991644038	0	239.7182446	0.208712175	0.011153206	0
WV1016245	008	2004 to 2005	3.226283081	1.991644038	0	239.7182446	0.208712175	0.011153206	0
WV1016288	002	2003 to 2004	353.9899382	194.6448996	101.1457759	6169.590429	22.90003947	1.090011399	7.123999504
WV1016288	002	2004 to 2005	254.642051	115.9082744	34.84746185	3856.760056	16.47310386	0.649086314	2.45441096
WV1016288	009	2003 to 2004	87.23581119	37.6880331	9.958220162	1559.069774	5.643390683	0.211052978	0.701387229
WV1016288	009	2004 to 2005	33.88498389	10.29616866	3.262330917	478.0846826	2.192060803	0.057658542	0.229775723
WV1016288	012	2003 to 2004	49.74604023	48.79077246	52.79208378	918.6195182	3.218131821	0.273228316	3.71830435
WV1016288	012	2004 to 2005	18.23693779	14.74193439	24.28904507	488.0224229	1.179769677	0.08255483	1.710750088
WV1016288	014	2003 to 2004	30.28019836	14.35219606	11.57136154	371.5503986	1.958862845	0.080372295	0.8150056
WV1016288	014	2004 to 2005	14.63542915	7.284370271	10.48181507	258.64336	0.946783705	0.040792472	0.738265584
WV1016288	015	2003 to 2004	1.211207936	0.57532377	0.060560397	789.2000122	0.078354514	0.003221813	0.00426545
WV1016288	015	2004 to 2005	1.211207936	0.57532377	0.060560397	789.2000122	0.078354514	0.003221813	0.00426545
WV1016288	017	2003 to 2004	212.6823444	130.2183704	134.5035591	2616.623672	13.75867943	0.729222848	9.47348794
WV1016288	017	2004 to 2005	80.38671703	43.81166194	42.02278749	1315.746706	5.200314455	0.245345298	2.959790604
WV1016288	019	2003 to 2004	384.991098	110.3154506	25.45879808	6271.425696	24.90554218	0.617766501	1.79313929
WV1016288	019	2004 to 2005	311.4534708	95.13930242	16.16746314	7400.624752	20.14830368	0.532780075	1.138722782
WV1016288	024	2003 to 2004	238.7359357	97.96635588	15.64927527	5910.676771	15.44411792	0.548611573	1.102225261
WV1016288	024	2004 to 2005	101.2944739	31.72661866	6.547191748	2008.316149	6.552862666	0.177669058	0.461138296
WV1016288	030	2003 to 2004	259.6166553	87.22319346	16.29723553	4541.489039	16.79491706	0.488449866	1.14786304
WV1016288	030	2004 to 2005	169.4249226	103.9169564	14.70301924	4507.333748	10.96030422	0.581934935	1.035577619
WV1016288	031	2003 to 2004	194.5683026	89.75465596	12.06251384	1955.14558	12.58686004	0.502626055	0.849598926
WV1016288	031	2004 to 2005	152.8429055	87.3259281	11.71555284	4872.318165	9.887593378	0.48902518	0.825161425
WV1016288	032	2003 to 2004	181.8614323	51.69262542	10.49443202	2291.291828	11.76483716	0.289478692	0.739154234
WV1016288	032	2004 to 2005	73.6818168	29.23120589	3.927413871	1174.979844	4.766566308	0.163694747	0.276619505
WV1016288	056	2003 to 2004	214.8452174	151.9020572	172.546664	2981.788446	13.89859831	0.85065149	12.15297759

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1016288	056	2004 to 2005	35.97575957	16.54866924	16.90193813	607.0458825	2.327315624	0.092672544	1.190454053
WV1016288	057	2003 to 2004	4.174341582	3.702835649	0.410945547	50.82747478	0.270043232	0.020735879	0.028944124
WV1016288	057	2004 to 2005	2.066743732	2.105194782	0.437380652	41.45503415	0.133700165	0.01178909	0.030806027
WV1016296	001	2003 to 2004	43.14567733	11.83090597	1.557267333	410.2245905	2.791146321	0.066253071	0.109682996
WV1016296	001	2004 to 2005	18.99325387	5.076258894	1.946584123	554.3439011	1.228696684	0.028427049	0.137103742
WV1016326	001	2003 to 2004	64.90344322	202.210086	100.6370522	2039.479526	4.198682649	1.132376441	7.088168569
WV1016326	001	2004 to 2005	79.99289501	358.0318078	136.3014474	6263.31495	5.17483763	2.004978052	9.600118589
WV1016512	DNF2	2003 to 2004	58.50566983	54.61250184	12.76094094	1021.956714	3.78480291	0.305829999	0.898791236
WV1016512	DNF2	2004 to 2005	58.50566983	54.61250184	12.76094094	1021.956714	3.78480291	0.305829999	0.898791236
WV1016512	UNF1	2003 to 2004	63.31805804	74.51091814	20.70949312	1103.064385	4.096122153	0.417261127	1.458631538
WV1016512	UNF1	2004 to 2005	63.31805804	74.51091814	20.70949312	1103.064385	4.096122153	0.417261127	1.458631538
WV1016539	116	2003 to 2004	2.776405762	4.934951308	1.427495037	156.4476915	0.179609064	0.027635726	0.100542745
WV1016539	116	2004 to 2005	2.776405762	4.934951308	1.427495037	156.4476915	0.179609064	0.027635726	0.100542745
WV1016539	118	2003 to 2004	136.3618287	425.7990764	55.12077426	7132.608801	8.821412478	2.384474743	3.882320986
WV1016539	118	2004 to 2005	136.3618287	425.7990764	55.12077426	7132.608801	8.821412478	2.384474743	3.882320986
WV1016539	119	2003 to 2004	10.92790721	44.97690806	53.48780715	191.2789288	0.706939603	0.251870676	3.767306228
WV1016539	119	2004 to 2005	10.92790721	44.97690806	53.48780715	191.2789288	0.706939603	0.251870676	3.767306228
WV1016652	001	2003 to 2004	231.5233564	69.76461587	867.8400921	4229.614973	14.9775274	0.390681835	61.12457321
WV1016652	001	2004 to 2005	60.2205178	15.52632641	209.5204383	741.5558954	3.89573851	0.086947425	14.7571511
WV1016652	DSTF	2003 to 2004	3295.443882	1242.65783	8331.226554	789.2000122	213.1862711	6.958883598	586.7932032
WV1016652	DSTF	2004 to 2005	3295.443882	1242.65783	8331.226554	789.2000122	213.1862711	6.958883598	586.7932032
WV1016652	USTF	2003 to 2004	1792.675117	631.3019359	776.8199835	789.2000122	115.9703328	3.535290715	54.71375474
WV1016652	USTF	2004 to 2005	1792.675117	631.3019359	776.8199835	789.2000122	115.9703328	3.535290715	54.71375474
WV1016679	001	2003 to 2004	1300.829468	571.808137	6574.767091	14968.2494	84.1522398	3.202125453	463.08051
WV1016679	001	2004 to 2005	1004.682578	322.7148267	6931.353747	14653.09289	64.99413743	1.807202965	488.1959746
WV1016679	002	2003 to 2004	44.30740228	30.07570896	17.10634556	3099.198018	2.86629972	0.168423964	1.204851079
WV1016679	002	2004 to 2005	29.22760087	11.28538177	2.302256334	2440.199458	1.890769034	0.063198136	0.162154799
WV1016679	004	2003 to 2004	19.4820639	9.759957145	1.465345311	325.512134	1.260318399	0.054655758	0.103208653
WV1016679	004	2004 to 2005	7.322302532	3.271834425	1.478617483	362.182631	0.473688653	0.018322272	0.104143452
WV1016679	005	2003 to 2004	2.746846608	5.774866377	1.038178248	60.56039679	0.177696847	0.032339251	0.073121999
WV1016679	005	2004 to 2005	8.954287618	6.293955802	0.324430712	69.21188505	0.579263752	0.035246151	0.022850625

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1016679	006	2003 to 2004	4.120269956	3.633623857	3.676881311	74.61906267	0.266545273	0.020348293	0.258973748
WV1016679	006	2004 to 2005	3.52788348	5.017861527	16.01966742	135.5399377	0.228223071	0.028100024	1.128313088
WV1016679	009	2003 to 2004	38.45978475	20.72423983	169.7500052	707.0622983	2.488010233	0.116055739	11.95600055
WV1016679	009	2004 to 2005	21.12764822	13.98656796	161.238453	1185.974445	1.366773249	0.078324778	11.35650648
WV1016679	013	2003 to 2004	1548.352422	861.0233617	12476.14203	74463.72896	100.1648006	4.821730654	878.7319964
WV1016679	013	2004 to 2005	1510.819699	947.7233574	20717.89935	93309.87379	97.73676308	5.307250612	1459.223614
WV1016679	016	2003 to 2004	91.53271162	255.6946401	1.989841557	10944.12856	5.921362396	1.431889933	0.140150492
WV1016679	016	2004 to 2005	12.21481581	5.915453198	4.52580832	1087.924291	0.790191285	0.033126537	0.318766216
WV1016679	017	2003 to 2004	34.20089472	13.04801291	37.63002871	605.6039771	2.212497459	0.07306887	2.650395466
WV1016679	017	2004 to 2005	34.04359464	16.60724707	23.92135692	1169.392433	2.202321526	0.09300058	1.684852712
WV1016679	018	2003 to 2004	288.0669323	148.16455	2184.063517	3675.30823	18.63540007	0.82972145	153.8301256
WV1016679	018	2004 to 2005	420.833489	515.4446921	6367.457293	13446.57141	27.22423003	2.886490173	448.4790609
WV1016679	020	2003 to 2004	330.6794249	256.3435043	1205.513677	13820.74736	21.39205402	1.435523573	84.90793367
WV1016679	020	2004 to 2005	153.3836273	136.3185707	1512.171495	3752.581803	9.922573327	0.763383969	106.5067609
WV1016679	DBHC58	2003 to 2004	7571.168051	4946.146799	19903.66873	789.2000122	489.7880659	27.69842109	1401.874917
WV1016679	DBHC58	2004 to 2005	7571.168051	4946.146799	19903.66873	789.2000122	489.7880659	27.69842109	1401.874917
WV1016679	DJSB66	2003 to 2004	3004.996161	1485.584421	4094.802146	789.2000122	194.396855	8.319272463	288.4091618
WV1016679	DJSB66	2004 to 2005	3004.996161	1485.584421	4094.802146	789.2000122	194.396855	8.319272463	288.4091618
WV1016717	001	2003 to 2004	1.730297091	1.081435682	1.038178255	99.49208274	0.111935022	0.00605604	0.073121999
WV1016717	001	2004 to 2005	1.730297091	1.081435682	1.038178255	99.49208274	0.111935022	0.00605604	0.073121999
WV1016725	013	2003 to 2004	119.8879583	72.60759102	608.3291841	3368.672085	7.755697777	0.406602495	42.84644382
WV1016725	013	2004 to 2005	108.8825492	45.1319159	415.1631584	2439.466569	7.043744485	0.25273872	29.24118291
WV1016733	001	2003 to 2004	235.1199647	0	939.5275464	11561.55972	15.21019636	0	66.17373502
WV1016733	001	2004 to 2005	1176.601954	0	787.7657687	0	76.11581083	0	55.48469913
WV1016741	003	2003 to 2004	0.778633649	3.114534596	0.129772275	51.90890994	0.050370757	0.017441393	0.009140249
WV1016741	003	2004 to 2005	0.778633649	3.114534596	0.129772275	51.90890994	0.050370757	0.017441393	0.009140249
WV1016741	004	2003 to 2004	24.9306969	13.5107363	6.96084079	392.9216259	1.612797092	0.075660121	0.490272835
WV1016741	004	2004 to 2005	32.07734791	16.97264101	3.971818225	473.4721906	2.075122634	0.095046786	0.279747036
WV1016768	001	2003 to 2004	0	0	0	0	0	0	0
WV1016768	001	2004 to 2005	0	0	0	0	0	0	0
WV1016776	001	2003 to 2004	16622.27968	5721.931196	3844.893119	195127.9599	1075.315481	32.04281356	270.8073216

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1016776	001	2004 to 2005	7112.96638	3259.310077	5980.692434	187879.6188	460.1464428	18.25213578	421.2380551
WV1016776	002	2003 to 2004	772.6051666	405.1805199	195.6494085	28338.72653	49.98076752	2.26901083	13.78017298
WV1016776	002	2004 to 2005	606.1915455	199.2905681	113.4750451	25309.19915	39.21526806	1.116027142	7.992386806
WV1016776	003	2003 to 2004	188.9563042	77.53697065	171.4960347	2652.466733	12.22381304	0.43420702	12.07897863
WV1016776	003	2004 to 2005	127.9518629	106.0167428	168.8012938	2780.371107	8.277361569	0.593693738	11.88917997
WV1016776	004	2003 to 2004	146.2258319	58.14584662	60.65477685	4070.130592	9.459526843	0.325616729	4.272097339
WV1016776	004	2004 to 2005	104.6685533	83.4363649	81.66281173	4172.899756	6.771135965	0.467243627	5.751756066
WV1016776	005	2003 to 2004	52.87237164	55.22400323	7.310505033	2230.11692	3.420378001	0.309254407	0.514900734
WV1016776	005	2004 to 2005	34.73178036	32.31329704	5.59200547	794.3636351	2.246841097	0.180954457	0.39386167
WV1016776	006	2003 to 2004	163.8316055	68.39785683	50.47355232	1344.126228	10.59846574	0.383027985	3.555003246
WV1016776	006	2004 to 2005	113.8859888	47.06047474	77.7552239	1958.11949	7.367423074	0.263538649	5.476532969
WV1016776	013	2003 to 2004	191.0680484	87.32232286	1.961003351	3950.844856	12.36042434	0.489004991	0.138119331
WV1016776	013	2004 to 2005	38.40178111	22.6993348	3.84270147	1531.673401	2.484257907	0.12711627	0.270652957
WV1016776	041	2003 to 2004	109.6339813	38.32214748	73.98592972	1961.134424	7.092355538	0.214604018	5.211050306
WV1016776	041	2004 to 2005	59.97052345	27.93250009	60.76095388	1564.739082	3.879566072	0.156421995	4.279575705
WV1016776	042	2003 to 2004	25.20334949	17.84565446	4.290350235	798.689382	1.63043532	0.099935661	0.302182199
WV1016776	042	2004 to 2005	24.31067339	10.21268497	2.737015295	517.5161114	1.572687018	0.057191034	0.192776173
WV1016776	043	2003 to 2004	40.69562559	36.43717241	23.76274647	2046.076291	2.632649495	0.204048158	1.673681303
WV1016776	043	2004 to 2005	26.32454677	44.06009182	33.71676071	692.5994537	1.702966935	0.246736505	2.374772296
WV1016776	045	2003 to 2004	82.20877361	24.43651368	6.870065928	1475.078265	5.318185511	0.136844472	0.48387929
WV1016776	045	2004 to 2005	27.56939947	7.880061153	5.677537145	908.045472	1.783497969	0.044128341	0.399885921
WV1016776	046	2003 to 2004	111.0968701	30.6144609	27.7791332	2978.863723	7.186991594	0.171440975	1.956567433
WV1016776	046	2004 to 2005	34.30674406	21.56743147	6.448961294	3276.029072	2.219344982	0.120777612	0.454219631
WV1016776	047	2003 to 2004	59.94299482	22.60790384	15.10077417	3095.265448	3.877785211	0.126604257	1.063592688
WV1016776	047	2004 to 2005	34.68164175	14.08029234	12.8294316	2379.518927	2.243597569	0.078849634	0.903615238
WV1016776	048	2003 to 2004	3.979683225	2.379158454	1.456333356	54.79273959	0.257450546	0.013323287	0.102573914
WV1016776	048	2004 to 2005	3.694184238	3.988334816	0.311453475	124.5813878	0.23898127	0.022334674	0.0219366
WV1016776	049	2003 to 2004	29.65493116	23.60282412	12.5879107	746.3872098	1.91841355	0.13217581	0.886604198
WV1016776	049	2004 to 2005	13.52155063	14.45158548	9.372442592	525.217259	0.874725549	0.080928876	0.660129163
WV1016776	050	2003 to 2004	25.23480942	13.54350683	18.14845664	495.4941565	1.632470501	0.075843636	1.27825008
WV1016776	050	2004 to 2005	11.61029341	11.29883994	4.645847651	506.5444634	0.751083996	0.063273501	0.327220945

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1016776	051	2003 to 2004	30.88580323	5.32066359	10.51155492	1622.153529	1.998040161	0.029795715	0.740360251
WV1016776	051	2004 to 2005	6.229069528	0.519089127	0.173029709	173.0297091	0.402966081	0.002906899	0.012187
WV1016776	052	2003 to 2004	27.99620642	31.30972575	70.53555867	675.6810033	1.811108629	0.175334458	4.968030354
WV1016776	052	2004 to 2005	27.99620642	31.30972575	70.53555867	675.6810033	1.811108629	0.175334458	4.968030354
WV1016776	053	2003 to 2004	38.21990246	18.22317374	28.88023039	526.5608509	2.472491956	0.102049769	2.034121001
WV1016776	053	2004 to 2005	1079.633314	459.2280668	720.4056041	34268.53474	69.84279166	2.571677082	50.74032128
WV1016784	001	2003 to 2004	23.89864635	21.65466748	29.13387659	1927.172403	1.546032487	0.121266134	2.051986061
WV1016784	001	2004 to 2005	23.89864635	21.65466748	29.13387659	1927.172403	1.546032487	0.121266134	2.051986061
WV1016784	002	2003 to 2004	19.0624663	38.16602704	21.57680433	2047.644345	1.23317412	0.213729744	1.51971886
WV1016784	002	2004 to 2005	19.0624663	38.16602704	21.57680433	2047.644345	1.23317412	0.213729744	1.51971886
WV1016784	041	2003 to 2004	9.635591907	11.82549916	9.635591907	0	0.623338155	0.066222793	0.678663556
WV1016784	041	2004 to 2005	9.635591907	11.82549916	9.635591907	0	0.623338155	0.066222793	0.678663556
WV1016784	044	2003 to 2004	155.1111264	98.4594442	43.56752776	1196.047195	10.03432734	0.551372868	3.068591281
WV1016784	044	2004 to 2005	50.68246399	56.98526761	25.65017837	198.3451288	3.278710213	0.319117487	1.806618777
WV1016784	047	2003 to 2004	0	1.730297035	8.651485176	0	0	0.009689663	0.609349976
WV1016784	047	2004 to 2005	0	1.730297035	8.651485176	0	0	0.009689663	0.609349976
WV1016849	001	2003 to 2004	54.79634512	28.52070253	3.212945354	1168.274949	3.544842185	0.159715928	0.226297351
WV1016849	001	2004 to 2005	108.6842805	49.83255371	6.088482585	2391.054172	7.030918239	0.279062291	0.428830038
WV1016849	002	2003 to 2004	2539.879461	4050.896705	1301.798837	31277.68775	164.3078902	22.68502074	91.68958549
WV1016849	002	2004 to 2005	3397.690669	2621.382065	919.2293415	39622.00119	219.8007402	14.67973904	64.74407174
WV1016849	003	2003 to 2004	46.96999625	82.55319548	4.314928389	2909.422471	3.038546161	0.462297878	0.303913311
WV1016849	003	2004 to 2005	13.52371314	10.2087524	0.865148508	319.3839906	0.874865444	0.057169011	0.060934997
WV1016849	004	2003 to 2004	246.6776453	102.0812197	20.48689787	4289.965224	15.95787678	0.57165481	1.442953489
WV1016849	004	2004 to 2005	314.3373033	282.2862527	25.97698584	9626.57993	20.33486231	1.580802959	1.829636804
WV1016865	001	2003 to 2004	120.5714245	0	0	0	7.799912038	0	0
WV1016865	001	2004 to 2005	120.5714245	0	0	0	7.799912038	0	0
WV1016865	002	2003 to 2004	66.30642473	76.3133097	34.67803664	2472.882874	4.289443228	0.427354519	2.442477835
WV1016865	002	2004 to 2005	66.30642473	76.3133097	34.67803664	2472.882874	4.289443228	0.427354519	2.442477835
WV1016865	003	2003 to 2004	87.04908018	0	0	0	5.631310827	0	0
WV1016865	003	2004 to 2005	87.04908018	0	0	0	5.631310827	0	0
WV1016881	001	2003 to 2004	0.10876153	0	0	0	0.007035916	0	0

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1016881	001	2004 to 2005	0.789159645	0	1.01739664	4.688023566	0.051051697	0	0.071658288
WV1016890	008	2003 to 2004	781.8347377	617.9647868	231.2136503	20327.3408	50.5778397	3.460602683	16.2850689
WV1016890	008	2004 to 2005	375.8703843	408.3735336	107.0831583	19212.96615	24.31551213	2.286891707	7.542187105
WV1016890	015	2003 to 2004	54.34322384	53.37912394	25.90849525	2148.650468	3.515529218	0.298923083	1.824812807
WV1016890	015	2004 to 2005	1635.27945	1165.578133	81.61459897	119481.0702	105.7882157	6.527237314	5.748360298
WV1016890	023	2003 to 2004	17.22881442	11.60689403	3.848365923	277.2723742	1.114552951	0.064998604	0.271051922
WV1016890	023	2004 to 2005	2.941504952	2.465673269	1.425692666	67.95020679	0.190289532	0.01380777	0.100415798
WV1016911	001	2003 to 2004	184.2078204	0	0	0	11.91662785	0	0
WV1016911	001	2004 to 2005	64.25093608	0	0	0	4.156471168	0	0
WV1016911	002	2003 to 2004	122.7357391	0	0	0	7.939924178	0	0
WV1016911	002	2004 to 2005	2.076356398	0	0	0	0.13432202	0	0
WV1016938	001	2003 to 2004	727.625959	696.8807431	169.5835299	24681.96655	47.0710079	3.902532022	11.9442752
WV1016938	001	2004 to 2005	323.3528674	343.5918445	95.04620845	9039.657531	20.91809011	1.924114261	6.694388724
WV1016938	019	2003 to 2004	493.7204393	421.924824	103.2005044	16596.16207	31.93937546	2.36277893	7.268720177
WV1016938	019	2004 to 2005	279.3348311	186.8858254	63.02133911	6042.747051	18.07050983	1.046560585	4.438781397
WV1016946	001	2003 to 2004	28.43725246	48.015744	18.22669719	1487.424646	1.839640434	0.268888157	1.283760795
WV1016946	001	2004 to 2005	23.24185465	66.79667829	111.266235	1459.487523	1.503543834	0.374061385	7.836813704
WV1016946	002	2003 to 2004	45.44282819	98.48724818	19.96375329	2002.571046	2.939751803	0.55152857	1.406106852
WV1016946	002	2004 to 2005	30.7307965	76.82248498	6.213749052	1683.209522	1.988012587	0.430205901	0.43765293
WV1016946	003	2003 to 2004	1919.329341	2594.00236	1061.509778	18157.92462	124.1637485	14.5264127	74.7653084
WV1016946	003	2004 to 2005	1536.464471	1686.280077	700.6521657	13006.4413	99.39575461	9.443168096	49.34902753
WV1016946	004	2003 to 2004	23.84565645	56.67624048	96.90114162	1126.608135	1.542604506	0.317386935	6.825037215
WV1016946	004	2004 to 2005	10.76028505	15.05223282	70.5997259	303.0813603	0.696095922	0.084292501	4.972549844
WV1016946	007	2003 to 2004	114.5961329	314.8780207	61.30839045	5993.857219	7.413363158	1.763316853	4.3181333
WV1016946	007	2004 to 2005	364.3537007	664.0015014	56.82043237	8164.839345	23.57048386	3.718408275	4.00203299
WV1016946	008	2003 to 2004	48.62855742	71.80056978	23.38154038	2804.410526	3.1458405	0.402083176	1.646831818
WV1016946	008	2004 to 2005	9.291334854	10.90447638	4.916026292	629.9362749	0.601067748	0.061065066	0.346250435
WV1016954	001	2003 to 2004	277.2140201	261.6052976	16.99656401	8711.189625	17.93331199	1.464989614	1.197118837
WV1016954	001	2004 to 2005	43.26514968	66.33062719	10.56330884	853.1754683	2.798875133	0.371451499	0.744005435
WV1016962	001	2003 to 2004	17.89776014	13.68016106	12.52662978	275.7660947	1.157827863	0.076608899	0.882288
WV1016962	001	2004 to 2005	13.44912722	7.216125333	4.089793092	123.3819791	0.870040391	0.0404103	0.288056359

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1016962	002	2003 to 2004	54.22318401	25.48222912	23.51401632	752.3187473	3.507763696	0.142700478	1.656162495
WV1016962	002	2004 to 2005	49.0185301	18.5023815	11.58119306	456.6607945	3.171068307	0.103613333	0.815698064
WV1016962	003	2003 to 2004	21.3547497	11.71555312	19.7145722	484.1227056	1.38146472	0.065607095	1.388556282
WV1016962	003	2004 to 2005	48.25169246	4.728823267	3.367197427	101.5074839	3.121460647	0.026481409	0.237161785
WV1016962	005	2003 to 2004	3.46059407	5.839752494	0.216287129	86.51485176	0.223870038	0.032702613	0.015233749
WV1016962	005	2004 to 2005	3.46059407	5.839752494	0.216287129	86.51485176	0.223870038	0.032702613	0.015233749
WV1016962	006	2003 to 2004	7.28166669	5.551369655	0.793052808	136.9818486	0.471059871	0.031087669	0.055857081
WV1016962	006	2004 to 2005	3.568737635	4.325742588	1.405866341	51.36819323	0.230865976	0.024224158	0.099019371
WV1016962	007	2003 to 2004	29.8538039	19.23101596	23.17980108	721.163106	1.931278869	0.107693686	1.632622716
WV1016962	007	2004 to 2005	17.3029711	0	0	0	1.119350237	0	0
WV1016962	008	2003 to 2004	20.97985175	11.84172051	70.13110277	373.0953031	1.357212116	0.066313632	4.939543315
WV1016962	008	2004 to 2005	14.05866351	10.5115545	20.65542087	173.0297055	0.909472034	0.058864703	1.454823068
WV1016962	009	2003 to 2004	17.5192579	8.32705472	2.919876317	486.646051	1.133342093	0.046631505	0.205655622
WV1016962	009	2004 to 2005	15.4429013	4.758316866	3.309193091	88.67772445	0.99902006	0.026646574	0.233076367
WV1016962	013	2003 to 2004	7.245618835	4.001311894	1.405866341	151.4009906	0.468727891	0.022407346	0.099019371
WV1016962	013	2004 to 2005	7.245618835	4.001311894	1.405866341	151.4009906	0.468727891	0.022407346	0.099019371
WV1016962	DTC-1	2003 to 2004	17139.72462	22690.93152	3290.065991	789.2000122	1108.789623	127.069212	231.7291877
WV1016962	DTC-1	2004 to 2005	17139.72462	22690.93152	3290.065991	789.2000122	1108.789623	127.069212	231.7291877
WV1016962	UTC-1	2003 to 2004	11614.94543	13964.23749	2838.049198	789.2000122	751.3849407	78.19972718	199.892293
WV1016962	UTC-1	2004 to 2005	11614.94543	13964.23749	2838.049198	789.2000122	751.3849407	78.19972718	199.892293
WV1016971	001	2003 to 2004	226.9392721	361.0805501	550.9319863	3401.655857	14.68097741	2.022051008	38.80378752
WV1016971	001	2004 to 2005	116.2564964	191.5799324	346.3504981	1576.913439	7.520774093	1.072847583	24.39450145
WV1016997	001	2003 to 2004	239.4478781	1019.009761	105.6652757	5864.986074	15.49017434	5.706454457	7.442321392
WV1016997	001	2004 to 2005	99.66511189	60.05969301	43.29960257	1970.051367	6.447457257	0.336334269	3.049720509
WV1016997	002	2003 to 2004	171.9482691	277.9289632	59.15453007	1903.326716	11.12354258	1.556402138	4.166430472
WV1016997	002	2004 to 2005	18.77372298	20.85656807	28.80728292	357.3063437	1.214494964	0.116796777	2.028983092
WV1016997	004	2003 to 2004	26.35098225	35.71981973	4.120269863	640.2099023	1.704677078	0.200030983	0.290202929
WV1016997	004	2004 to 2005	26.35098225	35.71981973	4.120269863	640.2099023	1.704677078	0.200030983	0.290202929
WV1016997	005	2003 to 2004	9.19220314	11.79711143	5.270647057	258.0575854	0.594654797	0.066063822	0.371227436
WV1016997	005	2004 to 2005	9.19220314	11.79711143	5.270647057	258.0575854	0.594654797	0.066063822	0.371227436
WV1016997	006	2003 to 2004	31.92397981	21.99207527	25.31424525	333.0821787	2.065201065	0.123155617	1.782958003

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1016997	006	2004 to 2005	31.92397981	21.99207527	25.31424525	333.0821787	2.065201065	0.123155617	1.782958003
WV1016997	007	2003 to 2004	4.325742588	1.649189362	32.7675001	97.32920823	0.279837547	0.00923546	2.307913033
WV1016997	007	2004 to 2005	4.325742588	1.649189362	32.7675001	97.32920823	0.279837547	0.00923546	2.307913033
WV1016997	008	2003 to 2004	28.11732654	9.624777189	4.217598981	70.29331636	1.818944038	0.05389875	0.29705811
WV1016997	008	2004 to 2005	28.11732654	9.624777189	4.217598981	70.29331636	1.818944038	0.05389875	0.29705811
WV1016997	009	2003 to 2004	24.67218204	27.5781542	74.7256571	439.3718592	1.596073451	0.154437658	5.263151518
WV1016997	009	2004 to 2005	24.67218204	27.5781542	74.7256571	439.3718592	1.596073451	0.154437658	5.263151518
WV1016997	010	2003 to 2004	15.96199044	12.60196975	157.3294234	348.5467155	1.032600567	0.070571028	11.08118183
WV1016997	010	2004 to 2005	15.96199044	12.60196975	157.3294234	348.5467155	1.032600567	0.070571028	11.08118183
WV1016997	015	2003 to 2004	28.83828467	14.99590816	24.94511609	901.1964014	1.865583695	0.083977083	1.756959132
WV1016997	015	2004 to 2005	16.26479246	7.055286226	8.772606027	634.3701548	1.052189198	0.039509601	0.617880879
WV1016997	018	2003 to 2004	34.6059407	10.38178221	38.93168329	86.51485176	2.238700376	0.058137978	2.742074891
WV1016997	018	2004 to 2005	8.363102514	14.2316935	2.588236032	471.5059522	0.541019269	0.079697481	0.182297205
WV1016997	019	2003 to 2004	11.67950474	24.52695995	10.51155426	1349.631658	0.755561361	0.137350971	0.740360205
WV1016997	019	2004 to 2005	11.67950474	24.52695995	10.51155426	1349.631658	0.755561361	0.137350971	0.740360205
WV1016997	020	2003 to 2004	5.407178305	6.791415924	2.649517384	175.1925791	0.349796938	0.038031928	0.186613434
WV1016997	020	2004 to 2005	5.407178305	6.791415924	2.649517384	175.1925791	0.349796938	0.038031928	0.186613434
WV1016997	D001	2003 to 2004	752.252957	197.8042664	219.7611223	789.2000122	48.66415834	1.107703852	15.47843311
WV1016997	D001	2004 to 2005	206.3006161	233.0468842	163.7420125	789.2000122	13.34583767	1.305062505	11.53283966
WV1017004	001	2003 to 2004	228.9497612	776.2299546	0	2757.415223	14.8110384	4.346887591	0
WV1017004	001	2004 to 2005	211.1214702	159.9209015	0	0	13.65770458	0.895557017	0
WV1017004	002	2003 to 2004	2053.484142	0	0	3245.658792	132.8423857	0	0
WV1017004	002	2004 to 2005	642.7621013	0	0	13589.32093	41.58106178	0	0
WV1017080	002	2003 to 2004	23.51221361	0	0	0	1.521033684	0	0
WV1017080	002	2004 to 2005	61.4688034	0	0	2701.696629	3.976491623	0	0
WV1017080	006	2003 to 2004	14.13338116	0	0	918.6304317	0.91430561	0	0
WV1017080	006	2004 to 2005	50.67847888	0	0	0	3.278452411	0	0
WV1017080	007	2003 to 2004	29.9262738	0	0	0	1.935967035	0	0
WV1017080	007	2004 to 2005	136.1431378	0	0	0	8.807265102	0	0
WV1017080	031	2003 to 2004	6.81304487	0	0	0	0.440744156	0	0
WV1017080	031	2004 to 2005	6.81304487	0	0	0	0.440744156	0	0



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1017080	036	2003 to 2004	41.38293809	0	0	0	2.677112576	0	0
WV1017080	036	2004 to 2005	84.32314266	0	0	0	5.454966615	0	0
WV1017080	044	2003 to 2004	34.99525736	45.5284407	0	0	2.263885745	0.254959259	0
WV1017080	044	2004 to 2005	54.59447767	0	0	1139.562849	3.531783134	0	0
WV1017098	DPB	2003 to 2004	622.6104132	579.05914	273.4429753	789.2000122	40.27742457	3.242731068	19.25940656
WV1017098	DPB	2004 to 2005	622.6104132	579.05914	273.4429753	789.2000122	40.27742457	3.242731068	19.25940656
WV1017136	001	2003 to 2004	5.190890994	5.190890994	0.973292061	162.2153436	0.335805049	0.029068989	0.068551871
WV1017136	001	2004 to 2005	5.190890994	5.190890994	0.973292061	162.2153436	0.335805049	0.029068989	0.068551871
WV1017144	001	2003 to 2004	37.73489418	13.03490418	16.23955836	678.4206207	2.441116181	0.072995461	1.143800664
WV1017144	001	2004 to 2005	55.68492421	12.1165854	12.71137504	465.9185291	3.602325446	0.067852876	0.895300161
WV1017144	005	2003 to 2004	142.4545685	57.74866346	210.6243396	2125.512611	9.215559225	0.323392504	14.83490217
WV1017144	005	2004 to 2005	68.65314058	26.11216522	70.59521859	634.8928516	4.441255129	0.14622812	4.972232381
WV1017144	008	2003 to 2004	18.34901371	14.97886689	10.63346188	291.7910035	1.187020005	0.083881652	0.748946522
WV1017144	008	2004 to 2005	25.65706078	7.691711088	3.086597648	148.4721037	1.659786455	0.043073581	0.217398304
WV1017144	009	2003 to 2004	9.732921243	19.46584249	0.648861416	259.5445665	0.629634508	0.109008714	0.04570125
WV1017144	009	2004 to 2005	9.732921243	19.46584249	0.648861416	259.5445665	0.629634508	0.109008714	0.04570125
WV1017144	014	2003 to 2004	53.99706449	12.32836624	26.69376407	2697.690371	3.493135749	0.069038848	1.880121639
WV1017144	014	2004 to 2005	39.23809088	8.507293864	7.529495798	296.4936109	2.538359803	0.047640844	0.530324908
WV1017144	018	2003 to 2004	23.24103528	12.16713422	13.80698388	522.2351104	1.503490828	0.068135949	0.972467169
WV1017144	018	2004 to 2005	25.83730062	6.4210243	5.177373262	271.4854127	1.671446389	0.035957735	0.364657883
WV1017144	022	2003 to 2004	27.21285297	17.03949302	14.69572705	515.9431092	1.760432543	0.095421157	1.035064008
WV1017144	022	2004 to 2005	25.63903678	9.422008022	8.980421793	289.0587365	1.65862046	0.052763243	0.632517965
WV1017144	024	2003 to 2004	25.1152617	19.16736561	14.51719216	490.5392132	1.624736813	0.107337244	1.022489262
WV1017144	024	2004 to 2005	25.1152617	19.16736561	14.51719216	490.5392132	1.624736813	0.107337244	1.022489262
WV1017152	003	2003 to 2004	0	0	0	0	0	0	0
WV1017152	003	2004 to 2005	0	0	0	0	0	0	0
WV1017152	012	2003 to 2004	83.19330069	0	0	0	5.381875764	0	0
WV1017152	012	2004 to 2005	83.19330069	0	0	0	5.381875764	0	0
WV1017152	014	2003 to 2004	81.19554177	23.70371816	50.20565224	0	5.252638311	0.132740817	3.536134242
WV1017152	014	2004 to 2005	93.16117735	113.3614945	106.7016533	2969.442107	6.026709824	0.634824346	7.515316567
WV1017152	019	2003 to 2004	14.27495116	12.97722832	106.4132723	0	0.923463945	0.072672476	7.495005025

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1017152	019	2004 to 2005	10.84544784	22.86380279	26.87818205	210.8348936	0.701605206	0.128037291	1.893110749
WV1017152	031	2003 to 2004	300.8734292	51.3006052	50.62470784	4154.515427	19.46386793	0.287283379	3.565649581
WV1017152	031	2004 to 2005	195.5641223	181.21257	319.3569662	4275.72629	12.65128083	1.014790356	22.49326626
WV1017152	037	2003 to 2004	13.24758661	23.52122522	56.69426364	0	0.857002484	0.131718857	3.993146549
WV1017152	037	2004 to 2005	17.11371925	51.38171175	68.46839512	1094.277714	1.107107304	0.287737576	4.822433843
WV1017152	039	2003 to 2004	142.7691734	0	0	0	9.235911402	0	0
WV1017152	039	2004 to 2005	142.7691734	0	0	0	9.235911402	0	0
WV1017161	001	2003 to 2004	28.59796521	11.33344573	13.64050844	349.4238768	1.850037137	0.063467294	0.960741805
WV1017161	001	2004 to 2005	12.58070166	5.181879267	4.53301787	73.67280552	0.813860886	0.029018523	0.319274006
WV1017161	003	2003 to 2004	92.75473724	93.69558833	159.6090918	1842.766401	6.000416719	0.524695276	11.24174569
WV1017161	003	2004 to 2005	55.28839933	3.028019924	9.057023813	1065.89005	3.576673769	0.016956911	0.637913275
WV1017161	006	2003 to 2004	8.75530308	3.092905959	19.28416052	103.8178227	0.566391201	0.017320273	1.358241101
WV1017161	006	2004 to 2005	7.753893655	1.628461857	13.00156016	90.84059464	0.501608807	0.009119386	0.915738767
WV1017179	001	2003 to 2004	194.6584185	359.8657385	217.954344	3195.64238	12.59268975	2.015248064	15.35117631
WV1017179	001	2004 to 2005	230.0992305	308.0415422	249.7143087	3665.526158	14.88539897	1.725032575	17.5881256
WV1017187	001	2003 to 2004	52.30543896	67.95020812	89.72311455	4667.224063	3.383702437	0.380521152	6.319467301
WV1017187	001	2004 to 2005	52.30543896	67.95020812	89.72311455	4667.224063	3.383702437	0.380521152	6.319467301
WV1017217	002	2003 to 2004	157.720905	118.8063603	171.7223059	1390.304522	10.20315709	0.665315594	12.09491559
WV1017217	002	2004 to 2005	152.7563903	162.720018	144.3311057	2074.10345	9.881996602	0.911232068	10.16567144
WV1017217	004	2003 to 2004	433.6557063	162.4478595	239.2622376	2509.471479	28.05371486	0.909707981	16.85195497
WV1017217	004	2004 to 2005	261.5668403	147.9259816	581.7898696	3787.998817	16.9210769	0.828385468	40.97720053
WV1017217	008	2003 to 2004	103.9800394	79.9018746	152.1634054	1875.209458	6.726595165	0.447450482	10.71732373
WV1017217	008	2004 to 2005	100.0832668	97.75727847	152.1670114	3281.256091	6.474508204	0.54744074	10.71757771
WV1017217	010	2003 to 2004	163.6830748	187.4846089	1171.895993	4827.753781	10.58885711	1.049913773	82.54013966
WV1017217	010	2004 to 2005	205.076252	256.7733835	891.9591321	6824.30974	13.26663206	1.437930896	62.82334934
WV1017217	011	2003 to 2004	214.081008	217.9265912	603.2837604	4554.196009	13.84916068	1.220388867	42.49107954
WV1017217	011	2004 to 2005	365.4937958	151.459981	330.3884287	3001.475558	23.644238	0.848175863	23.27024516
WV1017217	021	2003 to 2004	103.8178221	22.92643566	545.3679847	3417.336684	6.716101129	0.128388035	38.41189824
WV1017217	021	2004 to 2005	173.029699	21.62871238	108.1435619	7353.76221	11.19350159	0.121120785	7.6168745
WV1017217	025	2003 to 2004	35.47109079	76.73326968	76.20877349	1784.368897	2.294667987	0.429706295	5.367611841
WV1017217	025	2004 to 2005	35.47109079	76.73326968	76.20877349	1784.368897	2.294667987	0.429706295	5.367611841

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1017217	026	2003 to 2004	15.14009906	10.81435647	18.16811887	497.4603976	0.979431415	0.060560394	1.279634949
WV1017217	026	2004 to 2005	15.14009906	10.81435647	18.16811887	497.4603976	0.979431415	0.060560394	1.279634949
WV1017217	031	2003 to 2004	97.73474969	43.79814519	302.6870891	3494.389057	6.322579779	0.245269604	21.31915696
WV1017217	031	2004 to 2005	224.0494425	100.909966	1839.858564	9076.850198	14.49403082	0.565095789	129.5867413
WV1017225	001	2003 to 2004	22.85846027	16.26479243	4.257766679	612.4015699	1.478741585	0.091082834	0.299887241
WV1017225	001	2004 to 2005	19.2062976	16.38375045	3.914797146	437.9814489	1.242478742	0.091748999	0.275730871
WV1017225	002	2003 to 2004	18.3136214	29.42291517	27.44093827	494.3144153	1.184730433	0.164768319	1.932747352
WV1017225	002	2004 to 2005	29.17280847	54.6125009	63.26398663	1129.018819	1.887224447	0.305829994	4.455871788
WV1017225	004	2003 to 2004	186.0934508	34.33853238	19.29674468	1465.247018	12.03861158	0.192295774	1.35912744
WV1017225	004	2004 to 2005	60.09177536	28.65804524	5.753237747	1851.778334	3.887410005	0.160485048	0.405217741
WV1017241	002	2003 to 2004	553.4571311	172.9107453	0	6144.17656	35.80381468	0.968300139	0
WV1017241	002	2004 to 2005	180.1289575	67.88477345	23.68552347	0	11.65276125	0.380154718	1.668242256
WV1017241	003	2003 to 2004	133.4169144	132.7802432	86.05553738	3703.337096	8.630902392	0.743569336	6.061148871
WV1017241	003	2004 to 2005	133.4169144	132.7802432	86.05553738	3703.337096	8.630902392	0.743569336	6.061148871
WV1017268	001	2003 to 2004	0.25954455	1.470752528	0.562346555	34.60594182	0.016790252	0.008236214	0.03960775
WV1017268	001	2004 to 2005	0.25954455	1.200393542	0.421759893	32.44306871	0.016790252	0.006722204	0.029705811
WV1017268	002	2003 to 2004	38.24000168	1.557267382	0.519089127	60.56039819	2.473792315	0.008720697	0.036561
WV1017268	002	2004 to 2005	38.24000168	1.557267382	0.519089127	60.56039819	2.473792315	0.008720697	0.036561
WV1017276	001	2003 to 2004	0.216287124	83.91940404	205.2564805	1946.584114	0.013991877	0.469948646	14.4568278
WV1017276	001	2004 to 2005	0.216287124	83.91940404	205.2564805	1946.584114	0.013991877	0.469948646	14.4568278
WV1017276	005	2003 to 2004	0.196821294	0.291987634	0.352548032	15.14009955	0.012732609	0.001635131	0.024831012
WV1017276	005	2004 to 2005	0.196821294	0.291987634	0.352548032	15.14009955	0.012732609	0.001635131	0.024831012
WV1017276	007	2003 to 2004	7.162250053	10.66403709	27.3135748	262.9854901	0.463334663	0.059718606	1.923776762
WV1017276	007	2004 to 2005	4.922154353	28.82755971	45.95111999	219.2610779	0.318420149	0.161434329	3.236474811
WV1017276	008	2003 to 2004	3.830445116	21.01254067	5.524071802	426.0856552	0.247796151	0.117670224	0.389076898
WV1017276	008	2004 to 2005	7.646074522	7.454011497	10.88638025	398.6171808	0.494633857	0.041742463	0.76676032
WV1017276	011	2003 to 2004	26.77126405	26.57217176	8.736269786	1081.003079	1.731865619	0.148804157	0.615321609
WV1017276	011	2004 to 2005	26.77126405	26.57217176	8.736269786	1081.003079	1.731865619	0.148804157	0.615321609
WV1017373	002	2003 to 2004	42.96986419	126.626287	631.7255684	2806.817185	2.779772755	0.709107182	44.49432114
WV1017373	002	2004 to 2005	73.61062265	115.8636658	705.0537017	2026.340084	4.761960671	0.648836506	49.65904088
WV1017373	003	2003 to 2004	61.41080052	178.6458011	262.570126	3730.953111	3.972739346	1.00041645	18.49359927

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1017373	003	2004 to 2005	82.54508313	186.2646761	278.0898296	3153.286156	5.339941782	1.043082149	19.58669841
WV1017373	004	2003 to 2004	25.32181662	51.17353601	84.44980255	1244.142575	1.638099102	0.286571791	5.948052166
WV1017373	004	2004 to 2005	31.75500665	35.87437575	109.145699	1109.823369	2.054269986	0.200896497	7.687458011
WV1017373	007	2003 to 2004	1.265279753	4.75561341	0.93598258	55.15321926	0.081852486	0.026631434	0.065924052
WV1017373	007	2004 to 2005	2.674750851	5.919057779	3.299099688	338.8498368	0.173032884	0.033146722	0.232365458
WV1017373	008	2003 to 2004	1.777880261	0.445551501	0.640209924	12.97722818	0.115013236	0.002495088	0.0450919
WV1017373	008	2004 to 2005	1.777880261	0.445551501	0.640209924	12.97722818	0.115013236	0.002495088	0.0450919
WV1017373	009	2003 to 2004	0.994920837	4.5339191	0.906783818	100.0328005	0.064362639	0.025389946	0.063867496
WV1017373	009	2004 to 2005	3.893168343	7.105032456	3.77421053	394.7240252	0.251853793	0.03978818	0.265828935
WV1017403	008	2003 to 2004	256.1075378	346.9185934	165.2549545	10526.07665	16.56790798	1.942744054	11.63940069
WV1017403	008	2004 to 2005	286.9613582	430.8009526	159.945009	25788.85218	18.56387913	2.412485248	11.26540535
WV1017403	009	2003 to 2004	645.1147483	833.5536326	37.16839298	10751.16139	41.73325737	4.667900176	2.61788108
WV1017403	009	2004 to 2005	601.4489623	1585.607313	89.70808246	19004.71811	38.90846458	8.879400637	6.318408545
WV1017411	DUTMR-2	2003 to 2004	751.7207504	3861.360208	1350.160569	789.2000122	48.62972925	21.6236164	95.09584694
WV1017411	DUTMR-2	2004 to 2005	0.051264377	1.342191476	0.247730963	789.2000122	0.003316355	0.007516272	0.017448433
WV1017411	DUTSR-5	2003 to 2004	178.9127211	128.6043308	62.52428525	789.2000122	11.57408144	0.720184227	4.403772407
WV1017411	DUTSR-5	2004 to 2005	0.785122277	0.469775643	0.124581386	789.2000122	0.050790515	0.002630744	0.00877464
WV1017420	001	2003 to 2004	3.886988754	16.25861285	12.34690546	137.8058025	0.251454028	0.091048229	0.869629478
WV1017420	001	2004 to 2005	2.984762471	9.732921122	6.229069519	126.1674963	0.193087913	0.054504356	0.438731996
WV1017438	001	2003 to 2004	125.554684	142.489967	61.12274541	11679.50549	8.122285154	0.797943787	4.305057764
WV1017438	001	2004 to 2005	125.554684	142.489967	61.12274541	11679.50549	8.122285154	0.797943787	4.305057764
WV1017438	003	2003 to 2004	11.87416315	1.362608886	0.382828211	564.5093956	0.76815405	0.007630609	0.026963736
WV1017438	003	2004 to 2005	3.210782394	0.276631233	4.387384344	71.54778201	0.207709417	0.001549135	0.309016601
WV1017438	008	2003 to 2004	81.21311564	54.56275571	41.8153328	1748.842607	5.253775186	0.305551421	2.94517895
WV1017438	008	2004 to 2005	81.21311564	54.56275571	41.8153328	1748.842607	5.253775186	0.305551421	2.94517895
WV1017438	009	2003 to 2004	237.476058	238.3934758	172.3664237	30624.45498	15.36261491	1.335003417	12.14028273
WV1017438	009	2004 to 2005	237.476058	238.3934758	172.3664237	30624.45498	15.36261491	1.335003417	12.14028273
WV1017462	001	2003 to 2004	0.043257427	1.345305988	0.847845575	82.18911183	0.002798376	0.007533713	0.0597163
WV1017462	001	2004 to 2005	0.043257427	1.345305988	0.847845575	82.18911183	0.002798376	0.007533713	0.0597163
WV1017462	002	2003 to 2004	0.800262387	15.8343808	190.440819	112.4693095	0.051769947	0.088672529	13.41331645
WV1017462	002	2004 to 2005	319.2398168	34.38965506	198.6813656	64.88614162	20.65201186	0.192582061	13.9937228

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1017462	003	2003 to 2004	18.16811921	96.89663576	157.0028301	4163.527318	1.175317719	0.542621141	11.05817889
WV1017462	003	2004 to 2005	18.16811921	96.89663576	157.0028301	4163.527318	1.175317719	0.542621141	11.05817889
WV1017462	005	2003 to 2004	1.946584165	2.703589118	25.59758177	10.81435647	0.125926896	0.015140099	1.802914241
WV1017462	005	2004 to 2005	1.946584165	2.703589118	25.59758177	10.81435647	0.125926896	0.015140099	1.802914241
WV1017489	001	2003 to 2004	48.4315996	111.575547	164.7183331	2268.569915	3.133099059	0.624823041	11.60160484
WV1017489	001	2004 to 2005	62.03724616	103.4507266	166.3161543	1382.455954	4.013264876	0.579324048	11.71414416
WV1017489	002	2003 to 2004	2.399232555	3.252282475	2.244857599	182.4246721	0.155209271	0.018212781	0.158112035
WV1017489	002	2004 to 2005	2.399232555	3.252282475	2.244857599	182.4246721	0.155209271	0.018212781	0.158112035
WV1017519	001	2003 to 2004	16.81272006	32.5440044	21.07117346	323.9500664	1.087635301	0.182246418	1.484105766
WV1017519	001	2004 to 2005	3.757216449	10.53009357	5.85829152	111.8513464	0.2430589	0.058968522	0.412616993
WV1017535	001	2003 to 2004	43.49853176	63.67522828	86.66081795	2006.468661	2.813972903	0.356581266	6.103780592
WV1017535	001	2004 to 2005	52.03030431	38.54236722	36.60443506	2613.559657	3.365903642	0.215837249	2.578159837
WV1017535	002	2003 to 2004	16.15664857	22.27757433	5.839752494	1038.178221	1.045193238	0.124754412	0.411311234
WV1017535	002	2004 to 2005	16.15664857	22.27757433	5.839752494	1038.178221	1.045193238	0.124754412	0.411311234
WV1017543	001	2003 to 2004	30.71277254	36.71474072	6.272326837	583.9752704	1.986846595	0.205602541	0.441778738
WV1017543	001	2004 to 2005	29.9860471	64.92939527	13.16972319	949.0679141	1.939833843	0.363604601	0.927582992
WV1017551	001	2003 to 2004	75.32199305	192.7659075	72.6995117	3568.73761	4.872671303	1.079489044	5.120444038
WV1017551	001	2004 to 2005	75.32199305	192.7659075	72.6995117	3568.73761	4.872671303	1.079489044	5.120444038
WV1017560	002	2003 to 2004	130.3346253	119.0011797	39.66705989	1275.012639	8.431505368	0.666406582	2.793869664
WV1017560	002	2004 to 2005	130.3346253	119.0011797	39.66705989	1275.012639	8.431505368	0.666406582	2.793869664
WV1017560	005	2003 to 2004	99.83381345	95.85845768	84.58989632	1194.986377	6.458370765	0.536807344	5.957919389
WV1017560	005	2004 to 2005	99.83381345	95.85845768	84.58989632	1194.986377	6.458370765	0.536807344	5.957919389
WV1017560	016	2003 to 2004	139.0780324	232.0977187	152.5148751	3276.885299	8.997126999	1.299747178	10.74207879
WV1017560	016	2004 to 2005	139.0780324	232.0977187	152.5148751	3276.885299	8.997126999	1.299747178	10.74207879
WV1017560	027	2003 to 2004	27.35311335	29.14108698	46.37196208	296.673856	1.769506157	0.163190081	3.266115978
WV1017560	027	2004 to 2005	27.35311335	29.14108698	46.37196208	296.673856	1.769506157	0.163190081	3.266115978
WV1017560	028	2003 to 2004	56.15294694	38.89323305	62.35317642	1669.135843	3.632602406	0.217802097	4.391720701
WV1017560	028	2004 to 2005	56.15294694	38.89323305	62.35317642	1669.135843	3.632602406	0.217802097	4.391720701
WV1017608	001	2003 to 2004	1.196788821	0.89398683	0.793052833	69.93284077	0.077421724	0.005006326	0.055857083
WV1017608	001	2004 to 2005	1.196788821	0.89398683	0.793052833	69.93284077	0.077421724	0.005006326	0.055857083
WV1017888	001	2003 to 2004	494.1434861	676.5276093	1978.437107	24709.56913	31.96674287	3.788554477	139.3472425

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1017888	001	2004 to 2005	192.452293	239.2135738	1237.378712	15190.92706	12.44997281	1.339595965	87.15228345
WV1017888	002	2003 to 2004	2191.933082	910.9130831	1700.795509	17118.04514	141.7988159	5.101113083	119.7921144
WV1017888	002	2004 to 2005	2191.933082	910.9130831	1700.795509	17118.04514	141.7988159	5.101113083	119.7921144
WV1017888	003	2003 to 2004	2355.492986	693.713928	1223.880555	15403.96923	152.379705	3.884797858	86.20156783
WV1017888	003	2004 to 2005	2355.492986	693.713928	1223.880555	15403.96923	152.379705	3.884797858	86.20156783
WV1017926	001	2003 to 2004	26.21399979	17.90857412	42.99788147	579.6495027	1.695815516	0.100288012	3.02846939
WV1017926	001	2004 to 2005	26.21399979	17.90857412	42.99788147	579.6495027	1.695815516	0.100288012	3.02846939
WV1017934	009	2003 to 2004	321.4531075	225.6755713	1356.365006	6410.388432	20.79519233	1.263783154	95.53284396
WV1017934	009	2004 to 2005	414.5634456	452.7381234	1880.182087	8379.946667	26.8186133	2.5353334	132.4268476
WV1017977	001	2003 to 2004	112.7039804	139.4630245	176.0014926	2681.960454	7.290957509	0.780992909	12.3963115
WV1017977	001	2004 to 2005	19.98222771	90.00428609	44.03065309	948.0586119	1.292674604	0.504023984	3.101210583
WV1017977	002	2003 to 2004	16.96611407	16.57421254	38.85873001	183.3586154	1.097558545	0.092815587	2.736936573
WV1017977	002	2004 to 2005	14.96887223	44.22891684	11.47313134	828.6500907	0.968354543	0.247681925	0.808086954
WV1017985	001	2003 to 2004	2.032490737	14.96778564	9.116434858	182.8978028	0.131484297	0.083819597	0.642097772
WV1017985	001	2004 to 2005	12.34575962	15.94838231	9.717870951	1294.658727	0.798662199	0.089310938	0.684458715
WV1017985	002	2003 to 2004	150.9684157	2292.319155	242.7192212	7342.948136	9.766330355	12.83698681	17.09544067
WV1017985	002	2004 to 2005	160.6708594	578.0457363	41.57215548	5659.88169	10.39399323	3.237056008	2.928051244
WV1018001	007	2003 to 2004	58.24251988	95.62775091	340.9334071	3495.740797	3.76777942	0.535515386	24.01295952
WV1018001	007	2004 to 2005	103.9111026	79.22621353	222.6800707	2908.360014	6.722135558	0.44366678	15.68402337
WV1018001	013	2003 to 2004	145.9000936	116.1948575	413.5572274	5255.597218	9.438454432	0.650691179	29.12807239
WV1018001	013	2004 to 2005	106.75343	100.6600314	532.4949844	4966.640764	6.906009172	0.563696156	37.50521433
WV1018001	014	2003 to 2004	128.9071291	15.14009906	38.93168329	692.1188141	8.339158902	0.084784552	2.742074891
WV1018001	014	2004 to 2005	128.9071291	15.14009906	38.93168329	692.1188141	8.339158902	0.084784552	2.742074891
WV1018001	015	2003 to 2004	97.94779053	418.5091182	551.9496225	6981.099754	6.33636165	2.343650978	38.87546268
WV1018001	015	2004 to 2005	311.1074151	233.0948079	973.6705997	6811.314394	20.12591691	1.305330878	68.57853238
WV1018001	017	2003 to 2004	90.01149557	378.5799856	446.7663093	4602.59022	5.82295308	2.120047844	31.46708735
WV1018001	017	2004 to 2005	130.5823729	272.4352711	630.2882307	7106.703597	8.447532459	1.525637464	44.39308515
WV1018001	024	2003 to 2004	82.37115321	145.256638	384.9280112	5198.281031	5.328690044	0.813437144	27.11163106
WV1018001	024	2004 to 2005	199.5366768	175.963347	703.1927201	5783.812894	12.90827021	0.985394708	49.52796638
WV1018027	001	2003 to 2004	26.80518629	25.75979842	459.5380768	1609.897284	1.734060089	0.144254866	32.36664113
WV1018027	001	2004 to 2005	26.80518629	25.75979842	459.5380768	1609.897284	1.734060089	0.144254866	32.36664113

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1018027	002	2003 to 2004	60.21433978	130.4644029	406.4467935	4265.182401	3.895338846	0.73060063	28.62726326
WV1018027	002	2004 to 2005	60.21433978	130.4644029	406.4467935	4265.182401	3.895338846	0.73060063	28.62726326
WV1018027	005	2003 to 2004	54.83311426	118.1619886	169.6729311	587.219571	3.547220825	0.661707113	11.95057199
WV1018027	005	2004 to 2005	54.83311426	118.1619886	169.6729311	587.219571	3.547220825	0.661707113	11.95057199
WV1018035	001	2003 to 2004	14.63571818	9.490679695	68.23455523	202.9494328	0.946802402	0.053147804	4.8059638
WV1018035	001	2004 to 2005	156.920102	135.1432314	223.8171697	1583.065024	10.15135218	0.756802069	15.76411266
WV1018035	003	2003 to 2004	4.936104965	20.02775595	40.666307	14.52368107	0.319322631	0.112155429	2.864249626
WV1018035	003	2004 to 2005	14.59938086	47.58316724	102.7363838	135.1794524	0.944451697	0.266465727	7.236030775
WV1018043	003	2003 to 2004	19.03326761	494.8649579	209.3659437	789.2000122	1.231285222	2.771243665	14.74626959
WV1018043	003	2004 to 2005	19.03326761	494.8649579	209.3659437	789.2000122	1.231285222	2.771243665	14.74626959
WV1018043	004	2003 to 2004	23.57529711	59.69524772	5.407178235	311.4534764	1.525114631	0.334293375	0.380843735
WV1018043	004	2004 to 2005	4.325742728	4.671802146	5.88301011	311.4534764	0.279837556	0.026162091	0.414357997
WV1018043	005	2003 to 2004	7.548420756	9.819435552	29.56645041	579.6494969	0.488316516	0.054988837	2.082453529
WV1018043	005	2004 to 2005	7.548420756	9.819435552	29.56645041	579.6494969	0.488316516	0.054988837	2.082453529
WV1018051	002	2003 to 2004	329.2521061	483.6901302	43.71703707	7548.255288	21.29971903	2.708664633	3.079121669
WV1018051	002	2004 to 2005	4163.458466	638.2534906	45.69557188	4441.326411	269.3391899	3.57421942	3.218475793
WV1018078	001	2003 to 2004	39.95544245	66.54434034	4.989023148	1618.548688	2.584766148	0.372648293	0.351391821
WV1018078	001	2004 to 2005	11.4576307	38.30463169	14.00765586	416.5329721	0.74120806	0.21450593	0.986601096
WV1018086	001	2003 to 2004	111.3446124	94.82027699	70.20680093	1924.955407	7.203018342	0.530993532	4.944874964
WV1018086	001	2004 to 2005	32.44306857	56.77537	25.41373705	486.6460286	2.098781549	0.317942061	1.789965507
WV1018086	002	2003 to 2004	32.78372148	28.82566732	23.36441724	873.7999907	2.120818799	0.161423731	1.645625784
WV1018086	002	2004 to 2005	20.74626165	38.50559816	32.4755128	1060.527901	1.342100888	0.215631342	2.287347494
WV1018493	001	2003 to 2004	50.46699705	93.05753748	155.7267328	755.2025679	3.264771394	0.521122191	10.96829954
WV1018493	001	2004 to 2005	4.325742588	47.15059421	58.8300992	346.059407	0.279837547	0.264043318	4.143579835
WV1018493	DBBS	2003 to 2004	13.92889121	120.5584466	122.4185164	859.7413541	0.901076907	0.675127277	8.622302236
WV1018493	DBBS	2004 to 2005	10.22939808	54.70098117	97.17190797	941.340597	0.661752198	0.306325484	6.844108099
WV1018531	001	2003 to 2004	25.01270555	29.56374769	30.48296665	734.0244568	1.618102331	0.165556981	2.147006509
WV1018531	001	2004 to 2005	24.23497334	12.07963646	4.801574379	443.388624	1.567789889	0.067645962	0.338189244
WV1018531	002	2003 to 2004	13.27372149	14.63993521	13.86941208	421.0389524	0.858693181	0.081983634	0.976864174
WV1018531	002	2004 to 2005	34.01115138	21.33672533	22.39653247	592.0860238	2.200222732	0.119485658	1.577454765
WV1018531	003	2003 to 2004	16.25037307	19.86957762	22.05407762	274.6846552	1.05125639	0.111269631	1.553334646

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1018531	003	2004 to 2005	7.970180958	4.44109582	1.705063584	132.6561096	0.515600696	0.024870136	0.120092728
WV1018531	004	2003 to 2004	36.33623931	11.67950549	408.7826922	194.6584249	2.350635497	0.065405228	28.79178759
WV1018531	004	2004 to 2005	36.33623931	11.67950549	408.7826922	194.6584249	2.350635497	0.065405228	28.79178759
WV1018540	011	2003 to 2004	0.973292061	0	0	0	0.062963447	0	0
WV1018540	011	2004 to 2005	3.428151008	0	0	0	0.221771256	0	0
WV1018540	027	2003 to 2004	108.7203308	0	0	0	7.033250375	0	0
WV1018540	027	2004 to 2005	42.51844496	0	0	0	2.750569896	0	0
WV1018574	001	2003 to 2004	106.6025212	77.78226045	0	1779.862883	6.8962467	0.435580643	0
WV1018574	001	2004 to 2005	180.3834684	119.4716051	0	2404.39196	11.66922588	0.669040964	0
WV1018574	003	2003 to 2004	29.38801445	26.89170018	0	615.5171347	1.901146384	0.150593516	0
WV1018574	003	2004 to 2005	55.55875808	41.04949608	0	765.1157439	3.594163606	0.22987717	0
WV1018574	004	2003 to 2004	30.44241361	20.28593044	0	502.8675775	1.969356747	0.113601206	0
WV1018574	004	2004 to 2005	48.47535415	31.6049576	0	748.8942048	3.135929594	0.176987756	0
WV1018574	005	2003 to 2004	59.66821372	34.64198956	0	1075.127303	3.860009287	0.193995135	0
WV1018574	005	2004 to 2005	71.14044452	52.56678668	0	1161.191569	4.602161845	0.294373995	0
WV1018582	001	2003 to 2004	46.23198793	0	0	556.3112402	2.990803506	0	0
WV1018582	001	2004 to 2005	0.356268163	0	0	11.16906735	0.023047421	0	0
WV1018582	002	2003 to 2004	95.55882864	0	0	0	6.181816801	0	0
WV1018582	002	2004 to 2005	64.42292592	0	0	0	4.1675974	0	0
WV1018698	003	2003 to 2004	7.837704809	23.75373402	3.995904754	790.4956622	0.507030653	0.133020906	0.281443523
WV1018698	003	2004 to 2005	5.741931812	20.15206197	3.995904754	315.3368112	0.37145255	0.112851543	0.281443523
WV1018761	001	2003 to 2004	51.9089133	14.27495116	10.38178266	2076.356532	3.35805071	0.079939724	0.731220002
WV1018761	001	2004 to 2005	51.9089133	14.27495116	10.38178266	2076.356532	3.35805071	0.079939724	0.731220002
WV1018825	001	2003 to 2004	405.9925694	97.13995699	0	2300.483968	26.2641529	0.54398374	0
WV1018825	001	2004 to 2005	164.1799557	0	0	1830.104563	10.62100093	0	0
WV1018825	002	2003 to 2004	78.02558355	34.91234806	0	2419.261684	5.04756986	0.195509142	0
WV1018825	002	2004 to 2005	78.02558355	34.91234806	0	2419.261684	5.04756986	0.195509142	0
WV1018850	001	2003 to 2004	79.62315916	119.1152229	0	1343.929605	5.150918968	0.667045224	0
WV1018850	001	2004 to 2005	121.0757365	161.5124194	0	2286.785871	7.832536593	0.904469516	0
WV1018850	003	2003 to 2004	92.70607322	148.1476748	0	1861.421152	5.997268585	0.82962695	0
WV1018850	003	2004 to 2005	94.48143142	121.147833	0	1513.559366	6.112118665	0.67842784	0



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1018884	001	2003 to 2004	1.128625582	1.464853769	0.146485379	74.37328074	0.073012161	0.008203181	0.010317403
WV1018884	001	2004 to 2005	0.706537972	1.258070153	0.337047447	29.694421	0.0457068	0.007045193	0.02373926
WV1018914	047	2003 to 2004	139.8296334	138.2074794	120.7182605	4349.774572	9.045748986	0.773961857	8.502548133
WV1018914	047	2004 to 2005	230.2843536	117.3218195	0	13067.30178	14.8973748	0.657002166	0
WV1018914	094	2003 to 2004	67.79628252	0	0	0	4.38582394	0	0
WV1018914	094	2004 to 2005	67.79628252	0	0	0	4.38582394	0	0
WV1018914	096	2003 to 2004	19.13960916	0	9.552429233	0	1.238164586	0	0.67280616
WV1018914	096	2004 to 2005	19.13960916	0	9.552429233	0	1.238164586	0	0.67280616
WV1018922	002	2003 to 2004	26.07254943	1.833033505	101.1639834	164.7459136	1.68666492	0.010264987	7.125281912
WV1018922	002	2004 to 2005	26.07254943	1.833033505	101.1639834	164.7459136	1.68666492	0.010264987	7.125281912
WV1018931	001	2003 to 2004	348.8365436	324.0162237	755.0181818	9153.193067	22.5666601	1.814490788	53.17818865
WV1018931	001	2004 to 2005	229.2312306	79.05391961	1978.8	4133.005528	14.82924699	0.442701934	139.3728022
WV1018931	002	2003 to 2004	69.85066587	72.23626999	618.5454545	1714.299708	4.518724496	0.404523098	43.5660063
WV1018931	002	2004 to 2005	75.55349464	33.0967264	219.3	828.7600321	4.887647422	0.185341661	15.44595488
WV1018931	003	2003 to 2004	573.1281096	456.9138507	2324.290909	14973.76683	37.07635419	2.558717473	163.7067602
WV1018931	003	2004 to 2005	1229.364112	284.2950441	2796.218182	16511.64283	79.52905901	1.59205219	196.9460094
WV1018973	001	2003 to 2004	5.190891106	93.4360399	93.4360399	0	0.335805056	0.523241805	6.580979738
WV1018973	001	2004 to 2005	5.190891106	93.4360399	93.4360399	0	0.335805056	0.523241805	6.580979738
WV1019066	009	2003 to 2004	1543.641343	3181.583881	13.09618605	1864.315832	99.86003519	17.8168691	0.922403551
WV1019066	009	2004 to 2005	27.78388494	59.72228551	13.09618605	771.4241154	1.797373295	0.334444787	0.922403551
WV1019091	001	2003 to 2004	192.0539644	14.02712191	518.3997103	6382.160182	12.42420445	0.07855188	36.51244202
WV1019091	001	2004 to 2005	550.6490109	25.80906247	3323.869368	6382.573305	35.62215397	0.144530745	234.1100606
WV1019091	004	2003 to 2004	335.4613417	303.3427026	83.86533541	2319.67949	21.70140203	1.698719074	5.906886397
WV1019091	004	2004 to 2005	161.9209556	125.7934966	255.6003206	2158.59064	10.47486347	0.704443556	18.00269503
WV1019091	006	2003 to 2004	1.946584249	1.297722832	0	0	0.125926902	0.007267248	0
WV1019091	006	2004 to 2005	1.946584249	1.297722832	0	0	0.125926902	0.007267248	0
WV1019091	007	2003 to 2004	36.83571909	34.10154416	124.1799463	1734.086167	2.382947451	0.190968641	8.746365015
WV1019091	007	2004 to 2005	100.8619016	159.5342942	374.4921659	3427.24987	6.524879038	0.893392015	26.37660327
WV1019121	001	2003 to 2004	147.441137	137.0142946	1774.394416	8753.140424	9.538146406	0.767280022	124.9759055
WV1019121	001	2004 to 2005	318.0910803	178.7372823	3462.79784	10697.08079	20.5776987	1.000928745	243.8952084
WV1019121	002	2003 to 2004	34.4112817	20.33098986	16.25181515	894.9961298	2.226107649	0.113853539	1.144663947

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1019121	002	2004 to 2005	17.93020332	16.13285731	119.1871889	578.5680847	1.159926651	0.090343998	8.394710177
WV1019147	001	2003 to 2004	1470.513693	3398.684661	3342.587922	37560.70537	95.1293186	19.03263342	235.4284643
WV1019147	001	2004 to 2005	498.6544993	1712.250636	1938.676244	8811.447928	32.2585658	9.58860322	136.546766
WV1019180	001	2003 to 2004	150.9143438	150.4276971	382.3956529	6091.186233	9.762832378	0.842395074	26.9332695
WV1019180	001	2004 to 2005	150.9143438	150.4276971	382.3956529	6091.186233	9.762832378	0.842395074	26.9332695
WV1019201	001	2003 to 2004	111.4779939	530.9849183	700.2296012	1577.093689	7.211646954	2.973515437	49.31926505
WV1019201	001	2004 to 2005	111.4779939	530.9849183	700.2296012	1577.093689	7.211646954	2.973515437	49.31926505
WV1019279	001	2003 to 2004	57.58694121	52.28299063	24.14010234	2576.618786	3.725369239	0.292784737	1.700259606
WV1019279	001	2004 to 2005	189.8027757	75.40850998	41.59201595	3271.342942	12.27857231	0.422287641	2.929450076
WV1019279	002	2003 to 2004	0.346059418	1.687039664	1.081435682	99.49208274	0.022387004	0.009447422	0.076168749
WV1019279	002	2004 to 2005	4.751107407	7.47632514	6.517452256	176.9949715	0.307354914	0.041867419	0.459043655
WV1019279	010	2003 to 2004	0.432574273	1.4274951	1.124693109	82.18911183	0.027983756	0.007993972	0.079215499
WV1019279	010	2004 to 2005	0.432574273	1.4274951	1.124693109	82.18911183	0.027983756	0.007993972	0.079215499
WV1019279	011	2003 to 2004	0.562346555	1.340980246	0.778633691	112.4693109	0.036378882	0.007509489	0.0548415
WV1019279	011	2004 to 2005	0.562346555	1.340980246	0.778633691	112.4693109	0.036378882	0.007509489	0.0548415
WV1019279	013	2003 to 2004	1.362608991	4.314928471	2.649517482	378.5024974	0.088148832	0.024163599	0.18661344
WV1019279	013	2004 to 2005	11.92463052	5.486483552	3.972473623	187.4488475	0.771418846	0.030724307	0.279793198
WV1019279	020	2003 to 2004	9.981651405	8.709162051	12.28510934	407.3407752	0.645725165	0.048771306	0.865276993
WV1019279	020	2004 to 2005	9.981651405	8.709162051	12.28510934	407.3407752	0.645725165	0.048771306	0.865276993
WV1019279	021	2003 to 2004	78.19074915	38.24054869	53.76947368	2253.638227	5.058254623	0.214147065	3.787144845
WV1019279	021	2004 to 2005	81.54025143	65.79454658	38.89924153	2980.977434	5.274937998	0.368449448	2.73978992
WV1019279	023	2003 to 2004	10.33131512	5.803704611	10.88284728	255.3990516	0.668345336	0.032500745	0.766511482
WV1019279	023	2004 to 2005	10.33131512	5.803704611	10.88284728	255.3990516	0.668345336	0.032500745	0.766511482
WV1019279	024	2003 to 2004	116.2002636	113.7309854	77.10636358	5364.822155	7.517136322	0.636893495	5.430831796
WV1019279	024	2004 to 2005	116.2002636	113.7309854	77.10636358	5364.822155	7.517136322	0.636893495	5.430831796
WV1019279	029	2003 to 2004	98.62693242	99.67232	63.50730839	3926.96321	6.380296164	0.558164972	4.473009667
WV1019279	029	2004 to 2005	189.3053188	82.42486392	46.35465895	3302.109726	12.24639122	0.461579222	3.264897267
WV1019279	030	2003 to 2004	0.994920827	0.302801991	0.605603982	69.21188365	0.064362638	0.001695691	0.0426545
WV1019279	030	2004 to 2005	0.994920827	0.302801991	0.605603982	69.21188365	0.064362638	0.001695691	0.0426545
WV1019287	001	2003 to 2004	36.63020813	54.64710649	30.75188463	2697.713321	2.369652697	0.306023785	2.165947207
WV1019287	001	2004 to 2005	162.5397818	153.8882962	72.98489181	5448.032569	10.51489609	0.861774428	5.140544213

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1019309	001	2003 to 2004	2358.654538	1537.347364	2883.475269	205654.4647	152.5842296	8.60914493	203.0917871
WV1019309	001	2004 to 2005	2358.654538	1537.347364	2883.475269	205654.4647	152.5842296	8.60914493	203.0917871
WV1019309	009	2003 to 2004	9813.509696	922.6376638	251.6284538	33550.4605	634.8478731	5.166770733	17.72294457
WV1019309	009	2004 to 2005	9813.509696	922.6376638	251.6284538	33550.4605	634.8478731	5.166770733	17.72294457
WV1019317	001	2003 to 2004	16.12420552	25.58676743	2.638702982	2706.427887	1.043094458	0.143285893	0.185851743
WV1019317	001	2004 to 2005	2.141242552	1.903326709	0.529903456	84.351979	0.138519584	0.010658629	0.037322685
WV1019333	001	2003 to 2004	123.8514194	17.43815019	168.145221	1157.136167	8.012098895	0.097653638	11.8429708
WV1019333	001	2004 to 2005	248.1354107	28.70130229	171.4897402	2311.136139	16.05218139	0.160727287	12.07853529
WV1019333	002	2003 to 2004	191.1437543	14.62101007	560.9677258	777.0115406	12.36532185	0.081877653	39.51063466
WV1019333	002	2004 to 2005	159.624227	10.54616041	380.3971499	1916.303949	10.32628531	0.059058496	26.79250896
WV1019341	001	2003 to 2004	1358.499515	215.6094376	1557.498103	0	87.88298519	1.207412807	109.6992495
WV1019341	001	2004 to 2005	3.893168245	663.9149581	727.7629173	0	0.251853787	3.717923633	51.25851885
WV1019341	003	2003 to 2004	84.81545447	0	0	0	5.486814864	0	0
WV1019341	003	2004 to 2005	43.53859986	0	0	0	2.816564957	0	0
WV1019341	006	2003 to 2004	36.74177715	0	0	0	2.376870233	0	0
WV1019341	006	2004 to 2005	32.98378638	0	0	0	2.133761241	0	0
WV1019341	007	2003 to 2004	63.25780763	0	321.9094137	0	4.092224482	0	22.67304277
WV1019341	007	2004 to 2005	143.6675256	0	152.1207481	0	9.294026894	0	10.71431925
WV1019341	013	2003 to 2004	58.46859227	0	138.8378036	0	3.782404317	0	9.77876174
WV1019341	013	2004 to 2005	58.46859227	0	138.8378036	0	3.782404317	0	9.77876174
WV1019341	014	2003 to 2004	3.09020237	0	0	0	0.199908948	0	0
WV1019341	014	2004 to 2005	42.01497766	0	0	0	2.717999985	0	0
WV1019341	016	2003 to 2004	271.3291187	0	480.3922611	830.0791076	17.55261056	0	33.8354637
WV1019341	016	2004 to 2005	105.8941802	0	159.3014844	0	6.85042326	0	11.22007999
WV1019449	027	2003 to 2004	4.671802062	3.114534708	18.68720825	2063.379244	0.302224555	0.017441394	1.316195966
WV1019449	027	2004 to 2005	4.671802062	3.114534708	18.68720825	2063.379244	0.302224555	0.017441394	1.316195966
WV1019457	003	2003 to 2004	6.158776113	12.71227608	5.101132001	354.3323929	0.398418714	0.071188744	0.359287983
WV1019457	003	2004 to 2005	56.7229589	72.67420743	39.37500043	1803.998732	3.669477172	0.406975547	2.773299042
WV1019457	004	2003 to 2004	94.13536956	96.11800155	84.20508681	5054.269804	6.089731502	0.538260789	5.930816104
WV1019457	004	2004 to 2005	146.6328445	152.5315846	114.976274	8634.280689	9.485856983	0.854176843	8.09812285
WV1019490	001	2003 to 2004	1.691095015	2.629240457	8.693052973	214.8888689	0.109398992	0.014723746	0.61227772

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1019490	001	2004 to 2005	0.288382833	0.594789608	1.546452945	6.668853023	0.018655836	0.003330822	0.108921306
WV1019490	003	2003 to 2004	67.602088	34.40124049	4.443928106	1439.912259	4.37326126	0.19264694	0.312999147
WV1019490	003	2004 to 2005	67.602088	34.40124049	4.443928106	1439.912259	4.37326126	0.19264694	0.312999147
WV1019490	004	2003 to 2004	0.860342145	1.276094077	0.756253952	61.96851692	0.055656579	0.007146127	0.053265228
WV1019490	004	2004 to 2005	0.086514855	0.162215352	0	8.110767615	0.005596751	0.000908406	0
WV1019546	001	2003 to 2004	0	0	0	0	0	0	0
WV1019546	001	2004 to 2005	22.71014957	0	71.37475578	0	1.469147185	0	5.027137517
WV1019554	001	2003 to 2004	412.500099	24.86220492	792.5841654	0	26.68513291	0.139228343	55.82407322
WV1019554	001	2004 to 2005	102.7916621	21.72363915	123.4603012	0	6.649717591	0.121652375	8.695678255
WV1019589	014	2003 to 2004	82.60005828	0	0	1429.052383	5.343498192	0	0
WV1019589	014	2004 to 2005	54.55843074	30.17205585	37.01213662	1608.635594	3.529451214	0.168963507	2.606875477
WV1019660	004	2003 to 2004	554.8846407	10.59806954	426.9508013	2573.816887	35.89616201	0.059349187	30.07142186
WV1019660	004	2004 to 2005	440.2524709	130.7455754	330.5948915	551.5322038	28.48046758	0.732175196	23.28478695
WV1019660	DHW (SW7)	2003 to 2004	21427.07401	1876.05835	6425.09892	789.2000122	1386.143468	10.50592638	452.538933
WV1019660	DHW (SW7)	2004 to 2005	21746.22212	2463.286083	8694.335495	789.2000122	1406.789547	13.79440157	612.3680518
WV1019660	DLF (SW6)	2003 to 2004	3694.280574	1102.522797	1088.92996	789.2000122	238.9875016	6.174127441	76.69659385
WV1019660	DLF (SW6)	2004 to 2005	3662.371527	1694.211729	802.4277199	789.2000122	236.9232666	9.487585346	56.51738421
WV1019660	(SW1)	2003 to 2004	9837.543796	940.6422379	4162.722162	789.2000122	636.4026682	5.267596345	293.1929717
WV1019660	(SW1)	2004 to 2005	3546.731545	194.8734096	2058.243054	789.2000122	229.4423756	1.091291055	144.968214
WV1019660	(SW3)	2003 to 2004	15584.2879	1205.028865	5307.755992	789.2000122	1008.166531	6.748161403	373.8411289
WV1019660	(SW3)	2004 to 2005	9289.319625	1047.034383	3280.566753	789.2000122	600.9373801	5.863392335	231.0601279
WV1019660	GW7	2003 to 2004	331.0647836	16.94541716	137.385526	789.2000122	21.41698335	0.094894333	9.676473486
WV1019660	GW7	2004 to 2005	92.16447018	27.70225299	27.30939647	789.2000122	5.962231625	0.155132611	1.92348247
WV1019660	GW8	2003 to 2004	18154.8826	21.4124264	264.0865922	789.2000122	1174.461427	0.119909584	18.60040852
WV1019660	GW8	2004 to 2005	18154.8826	21.4124264	264.0865922	789.2000122	1174.461427	0.119909584	18.60040852
WV1019660	GW9	2003 to 2004	92.14975308	9.910214739	35.70894487	789.2000122	5.961279558	0.055497201	2.515087785
WV1019660	GW9	2004 to 2005	612.4642439	23.45832902	463.9775059	789.2000122	39.62105654	0.131366638	32.6793234
WV1019660	UCB (SW2)	2003 to 2004	7154.281021	401.96148	2522.476959	789.2000122	462.8191371	2.250984208	177.6655964
WV1019660	UCB (SW2)	2004 to 2005	1714.357334	92.86700909	575.7703472	789.2000122	110.9038602	0.520055232	40.55322756
WV1019660	(SW22)	2003 to 2004	10084.02186	1447.728967	3096.467848	789.2000122	652.347634	8.107281928	218.0934914
WV1019660	(SW22)	2004 to 2005	9204.34313	1558.078748	3937.97813	789.2000122	595.4401473	8.725240675	277.3635774

Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1019660	ULF (SW19)	2003 to 2004	1092.117239	442.6680143	454.7934507	789.2000122	70.65039191	2.478940792	32.03246293
WV1019660	ULF (SW19)	2004 to 2005	466.2638627	85.72143933	207.7650565	789.2000122	30.16317614	0.480040043	14.63351431
WV1019660	URFLF	2003 to 2004	2035.903136	68.2509925	987.4282625	789.2000122	131.705049	0.382205544	69.54752572
WV1019660	URFLF	2004 to 2005	774.6332333	21.93298603	475.1290625	789.2000122	50.11196563	0.122824717	33.46476088
WV1019988	002	2003 to 2004	56.80486541	0	0	0	3.674775804	0	0
WV1019988	002	2004 to 2005	105.8228079	0	0	0	6.845806096	0	0
WV1019988	003	2003 to 2004	1063.472604	0	0	20699.76044	68.7973357	0	0
WV1019988	003	2004 to 2005	94.55232236	99.51130623	0	1926.878033	6.116704686	0.557263295	0
WV1019988	004	2003 to 2004	26.83312208	0	0	0	1.73586729	0	0
WV1019988	004	2004 to 2005	388.1759116	0	0	0	25.11157165	0	0
WV1019996	001	2003 to 2004	24.59977737	17.83379323	8.175653609	502.6341732	1.591389505	0.099869239	0.575835735
WV1019996	001	2004 to 2005	26.49277046	16.05571478	6.336011363	282.9756668	1.713849529	0.089912	0.44626423
WV1019996	002	2003 to 2004	101.7147935	145.9507218	564.5094321	1071.867677	6.580053653	0.817324013	39.76008763
WV1019996	002	2004 to 2005	88.53353386	104.7839075	276.7033422	786.3238913	5.72734194	0.586789861	19.48904395
WV1020005	001	2003 to 2004	150.3109044	104.4867275	30.34638155	1883.659014	9.723795146	0.585125653	2.137386412
WV1020005	001	2004 to 2005	47.93442029	15.07631625	15.57972476	606.2852734	3.100935925	0.084427368	1.09732661
WV1020005	005	2003 to 2004	230.389056	121.4473897	384.9597401	3961.623349	14.90414813	0.680105358	27.11386583
WV1020005	005	2004 to 2005	184.4688892	44.65488137	247.9022991	1643.301539	11.93351671	0.250067327	17.46050035
WV1020005	006	2003 to 2004	36.14590653	17.12907621	9.623436657	272.0027056	2.338322638	0.095922823	0.677807425
WV1020005	006	2004 to 2005	5.190890994	2.638702922	1.254465324	36.76881121	0.335805049	0.014776736	0.088355745
WV1020005	007	2003 to 2004	140.0675462	81.56944675	71.45802363	1746.410422	9.061139854	0.456788886	5.033002321
WV1020005	007	2004 to 2005	77.86336746	32.08259145	28.89836421	427.7678831	5.037075903	0.179662506	2.03539822
WV1020013	003	2003 to 2004	29.98821046	23.62215938	57.93250799	502.1466182	1.939973793	0.132284088	4.080359802
WV1020013	003	2004 to 2005	24.08897905	10.55751541	11.7290707	228.2279808	1.558345341	0.059122084	0.826113528
WV1020013	004	2003 to 2004	30.28019813	22.35622423	133.6261203	467.9666987	1.95886283	0.125194851	9.411687301
WV1020013	004	2004 to 2005	21.88104822	12.70686892	50.90858362	246.927809	1.415511611	0.071158463	3.585643801
WV1020013	005	2003 to 2004	35.64805087	18.04227878	106.3031566	437.293244	2.30611575	0.101036758	7.487249247
WV1020013	005	2004 to 2005	24.36835	9.048011554	54.06277148	183.618761	1.576418188	0.050668863	3.807802686
WV1020013	006	2003 to 2004	29.6942567	31.23579418	39.25021514	702.3432953	1.920957567	0.174920441	2.764510042
WV1020013	006	2004 to 2005	24.45846973	11.94085201	12.4680519	285.679253	1.582248143	0.066868769	0.878162185
WV1020013	007	2003 to 2004	25.04172411	16.02255069	21.69359971	392.3448574	1.619979577	0.089726281	1.527945109

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1020013	007	2004 to 2005	15.85204431	7.493447861	7.543013641	163.1165443	1.025488019	0.041963307	0.53127701
WV1020013	009	2003 to 2004	24.11601461	15.57267315	60.45225207	1222.022274	1.560094304	0.087206967	4.257832913
WV1020013	009	2004 to 2005	17.87973621	6.574227661	2.234967045	190.6030338	1.156661873	0.036815674	0.157415413
WV1020013	015	2003 to 2004	28.7842124	18.0419515	37.74210438	648.8613957	1.862085695	0.101034925	2.65828929
WV1020013	015	2004 to 2005	19.71817717	7.867444582	9.057023734	335.2450608	1.275592854	0.044057688	0.637913269
WV1020013	038	2003 to 2004	11.24693073	9.516633694	5.623465365	432.5742588	0.727577622	0.053293147	0.396077484
WV1020013	038	2004 to 2005	19.31444078	8.783420381	6.038736749	271.332206	1.249474656	0.049187152	0.42532629
WV1020056	001	2003 to 2004	161.1142522	63.41637066	38.96314419	2506.669589	10.42267685	0.355131663	2.744290776
WV1020056	001	2004 to 2005	380.9056822	33.1880596	33.8188971	2268.611736	24.64125167	0.185853127	2.381966068
WV1020102	001	2003 to 2004	359.5232881	324.5712853	186.7179802	21119.99776	23.2579986	1.817599133	13.15110578
WV1020102	001	2004 to 2005	116.7950549	55.47765108	74.94349357	2206.128815	7.555614096	0.310674835	5.278494392
WV1020102	002	2003 to 2004	97.32920571	235.752965	3.244306857	1297.722743	6.296344646	1.320216557	0.228506235
WV1020102	002	2004 to 2005	187.1965095	140.1205367	32.31762247	2297.726352	12.10996978	0.784674977	2.276226806
WV1020102	004	2003 to 2004	74.59310776	78.31324687	64.60237282	1047.738154	4.825518828	0.438554167	4.55013833
WV1020102	004	2004 to 2005	74.59310776	78.31324687	64.60237282	1047.738154	4.825518828	0.438554167	4.55013833
WV1020102	005	2003 to 2004	66.14060445	26.73849645	7.434870105	1895.215974	4.278716113	0.149735575	0.523660138
WV1020102	005	2004 to 2005	66.14060445	26.73849645	7.434870105	1895.215974	4.278716113	0.149735575	0.523660138
WV1020111	001	2003 to 2004	865.1485669	237.9158559	108.1435709	2162.871417	55.9675126	1.332328745	7.61687513
WV1020111	001	2004 to 2005	0.129772284	0.136260899	0.073537628	4.758317097	0.008395127	0.000763061	0.005179475
WV1020111	002	2003 to 2004	462.8544843	172.5971401	35.63330676	7310.505438	29.94261931	0.96654395	2.509760367
WV1020111	002	2004 to 2005	899.9707751	411.0272679	158.2392736	11165.46294	58.22020358	2.301752618	11.1452653
WV1020145	001	2003 to 2004	98.0501672	84.98281903	14.3650703	2499.468189	6.342984521	0.47590377	1.011774864
WV1020145	001	2004 to 2005	36.0478556	43.62511517	3.808455942	946.1660996	2.331979604	0.244300636	0.268240942
WV1020161	005	2003 to 2004	1.816811988	4.239227971	0.605603996	181.6811988	0.117531776	0.023739676	0.042654501
WV1020161	005	2004 to 2005	1.816811988	4.239227971	0.605603996	181.6811988	0.117531776	0.023739676	0.042654501
WV1020196	001	2003 to 2004	0	0	0	0	0	0	0
WV1020196	001	2004 to 2005	0	0	0	0	0	0	0
WV1020196	005	2003 to 2004	37.29601273	0	0	0	2.412724406	0	0
WV1020196	005	2004 to 2005	73.00851565	13.90412671	0	0	4.723009638	0.077863107	0
WV1020196	006	2003 to 2004	43.56833927	0	27.99115968	0	2.818488836	0	1.971501092
WV1020196	006	2004 to 2005	79.8645837	40.2517386	0	0	5.166537015	0.225409728	0

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1020196	007	2003 to 2004	45.00574795	36.58406806	0	0	2.911476551	0.204870774	0
WV1020196	007	2004 to 2005	95.59891291	44.94449033	0	910.272047	6.184409901	0.251689137	0
WV1020218	002	2003 to 2004	17.91506296	11.84712755	9.186795843	616.959038	1.158947203	0.066343912	0.647053507
WV1020218	002	2004 to 2005	17.91506296	11.84712755	9.186795843	616.959038	1.158947203	0.066343912	0.647053507
WV1020269	001	2003 to 2004	0.411810704	0	0	0	0.026640535	0	0
WV1020269	001	2004 to 2005	0.411810704	0	0	0	0.026640535	0	0
WV1020269	002	2003 to 2004	0.078885816	0	0	4.714076394	0.005103219	0	0
WV1020269	002	2004 to 2005	0.078885816	0	0	4.714076394	0.005103219	0	0
WV1020285	001	2003 to 2004	66.18386445	24.65673382	1400.891798	1881.698107	4.281514655	0.138077704	98.66899907
WV1020285	001	2004 to 2005	66.18386445	24.65673382	1400.891798	1881.698107	4.281514655	0.138077704	98.66899907
WV1020285	002	2003 to 2004	5.234148568	12.37162387	1.124693081	484.4831736	0.338603434	0.069281091	0.079215497
WV1020285	002	2004 to 2005	5.234148568	12.37162387	1.124693081	484.4831736	0.338603434	0.069281091	0.079215497
WV1020307	007	2003 to 2004	612.8135264	150.3375789	265.5645455	2135.835405	39.64365205	0.841890412	18.70450519
WV1020307	007	2004 to 2005	612.8135264	150.3375789	265.5645455	2135.835405	39.64365205	0.841890412	18.70450519
WV1020307	018	2003 to 2004	275.928313	214.1404877	459.3181792	2487.302085	17.85013803	1.199186688	32.35115308
WV1020307	018	2004 to 2005	275.928313	214.1404877	459.3181792	2487.302085	17.85013803	1.199186688	32.35115308
WV1020307	019	2003 to 2004	99.49208232	97.54549785	553.2624899	1438.309465	6.436263763	0.546254768	38.96793185
WV1020307	019	2004 to 2005	267.9365006	184.8627769	728.7643642	2686.394336	17.33313797	1.035231513	51.32905375
WV1020307	020	2003 to 2004	116.7950504	134.42245	365.2008188	1308.537137	7.555613807	0.752765693	25.72218591
WV1020307	020	2004 to 2005	237.6563035	247.5838818	470.7878815	2078.519379	15.37427521	1.386469688	33.15899852
WV1020307	021	2003 to 2004	138.4237673	223.8571866	337.1916465	1589.710464	8.954801796	1.2536002	23.74941613
WV1020307	021	2004 to 2005	138.4237673	223.8571866	337.1916465	1589.710464	8.954801796	1.2536002	23.74941613
WV1020307	022	2003 to 2004	105.9806965	238.9972814	518.1699056	1319.351531	6.856020102	1.338384728	36.49625619
WV1020307	022	2004 to 2005	180.8160425	411.394343	431.2846492	7550.313409	11.69720962	2.303808239	30.37666772
WV1020315	011	2003 to 2004	268.5114626	255.6243578	79.12504254	7011.308002	17.37033296	1.431496353	5.573013392
WV1020315	011	2004 to 2005	23.12244679	31.17013065	5.082747721	1598.271831	1.495819194	0.174552725	0.357993123
WV1020323	001	2003 to 2004	1834.11481	588.3009768	69.21187962	27831.82709	118.6511169	3.294485352	4.87479968
WV1020323	001	2004 to 2005	295.4962814	106.1008526	20.13873471	6962.162547	19.11601369	0.594164753	1.418431316
WV1020331	001	2003 to 2004	0.646157813	1.687039643	1.308537159	0	0.041800735	0.009447422	0.092164186
WV1020331	001	2004 to 2005	0.966082505	3.372727433	1.712273103	43.34754545	0.062497052	0.018887273	0.120600516
WV1020340	001	2003 to 2004	66.0396705	52.38474287	5.575401622	1333.92924	4.272186572	0.29335455	0.392692211

Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR*

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1020340	001	2004 to 2005	5.190891087	2.061937285	0.259544554	44.69933966	0.335805055	0.011546848	0.018280499
WV1020366	003	2003 to 2004	281.4219974	234.4817424	46.32491886	1162.002608	18.20553115	1.31309771	3.262802584
WV1020366	003	2004 to 2005	235.9932971	128.1020642	36.3662784	4027.747067	15.2666933	0.717371534	2.561385752
WV1020374	001	2003 to 2004	272.2460266	388.632297	1295.155472	3473.179374	17.61192645	2.176340786	91.22167342
WV1020374	001	2004 to 2005	98.02390641	253.8648959	997.7974425	1554.512414	6.341285679	1.421643366	70.27785808
WV1020404	001	2003 to 2004	53.66083696	110.6561015	62.17894649	922.8250831	3.471384781	0.619674146	4.379449165
WV1020404	001	2004 to 2005	27.82533991	120.0826191	117.9017233	638.0470471	1.800055067	0.672462643	8.304170993
WV1020404	002	2003 to 2004	208.03938	119.246304	14.24611235	3045.322806	13.45832042	0.667779278	1.0033963
WV1020404	002	2004 to 2005	90.0042824	141.5959709	15.94757074	2252.269929	5.822486451	0.792937409	1.123235103
WV1020412	001	2003 to 2004	182.8725688	173.5186919	150.2867515	3425.591576	11.83024881	0.97170464	10.58514538
WV1020412	001	2004 to 2005	30.42439028	30.63346802	30.3907455	1532.875006	1.968190796	0.171547415	2.140511098
WV1020412	002	2003 to 2004	82.34940433	218.7734532	113.1742102	3740.19443	5.327283083	1.225131294	7.971198107
WV1020412	002	2004 to 2005	54.40919	37.125686	16.53298818	860.0657738	3.519796649	0.207903834	1.164467804
WV1020412	003	2003 to 2004	115.7433571	744.2721422	257.1178189	9693.749118	7.487578487	4.167923848	18.10957697
WV1020412	003	2004 to 2005	51.7223647	86.71708219	127.4580082	2442.098029	3.345982654	0.485615643	8.977248718
WV1020412	004	2003 to 2004	236.7046425	425.2385321	489.8002421	9577.204309	15.3127111	2.381335695	34.49809594
WV1020412	004	2004 to 2005	236.7046425	114.6192042	212.4945398	2049.536869	15.3127111	0.641867521	14.96662597
WV1020412	006	2003 to 2004	170.7226447	191.3681529	26.06530331	5605.26139	11.04425544	1.071661618	1.835857268
WV1020412	006	2004 to 2005	44.64166445	22.67770591	3.883435468	283.6605774	2.887923546	0.126995149	0.273521975
WV1020412	007	2003 to 2004	130.2827157	169.7547575	78.9763448	3075.422811	8.428147273	0.950626608	5.562540166
WV1020412	007	2004 to 2005	35.60086178	43.56022838	10.59806949	1732.459946	2.30306303	0.24393727	0.746453731
WV1020412	008	2003 to 2004	397.8017892	378.8990151	1331.36447	5142.718154	25.73428137	2.121834409	93.77198143
WV1020412	008	2004 to 2005	69.21188141	66.2736224	193.0578979	1442.635177	4.477400753	0.371132272	13.59764514
WV1020412	009	2003 to 2004	8.651485176	33.30821793	6.056039623	216.2871294	0.559675094	0.186526014	0.426544983
WV1020412	009	2004 to 2005	8.651485176	33.30821793	6.056039623	216.2871294	0.559675094	0.186526014	0.426544983
WV1020439	001	2003 to 2004	22.0612872	0	0	779.7151015	1.42717149	0	0
WV1020439	001	2004 to 2005	22.0612872	0	0	779.7151015	1.42717149	0	0
WV1020439	003	2003 to 2004	22.83992185	0	0	0	1.477542312	0	0
WV1020439	003	2004 to 2005	22.83992185	0	0	0	1.477542312	0	0
WV1020439	006	2003 to 2004	12.92161117	0	0	0	0.835914736	0	0
WV1020439	006	2004 to 2005	12.92161117	0	0	0	0.835914736	0	0



**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1020439	007	2003 to 2004	30.65870067	0	0	846.2233945	1.98334862	0	0
WV1020439	007	2004 to 2005	30.65870067	0	0	846.2233945	1.98334862	0	0
WV1020439	DFC-1	2003 to 2004	5354.019506	2847.080895	1292.999587	789.2000122	346.358031	15.94365244	91.06982798
WV1020439	DFC-1	2004 to 2005	5354.019506	2847.080895	1292.999587	789.2000122	346.358031	15.94365244	91.06982798
WV1020439	DRF-1	2003 to 2004	956.0875142	602.0712482	427.0224174	789.2000122	61.85046366	3.37159887	30.07646599
WV1020439	DRF-1	2004 to 2005	956.0875142	602.0712482	427.0224174	789.2000122	61.85046366	3.37159887	30.07646599
WV1020439	UFC-1	2003 to 2004	3637.880842	805.5741247	958.1174341	789.2000122	235.3389344	4.511214938	67.48307641
WV1020439	UFC-1	2004 to 2005	3637.880842	805.5741247	958.1174341	789.2000122	235.3389344	4.511214938	67.48307641
WV1020439	URF-1	2003 to 2004	70.41727716	39.48027505	42.71636302	789.2000122	4.55537927	0.221089532	3.008641203
WV1020439	URF-1	2004 to 2005	70.41727716	39.48027505	42.71636302	789.2000122	4.55537927	0.221089532	3.008641203
WV1020455	001	2003 to 2004	1560.449475	1082.427877	665.6074284	29717.92225	100.9473737	6.061595895	46.88072188
WV1020455	001	2004 to 2005	104.2413877	43.1042237	56.83845685	1848.813427	6.7435021	0.241383644	4.003302508
WV1020455	DPF	2003 to 2004	61067.05792	66888.98384	17513.44798	789.2000122	3950.502219	374.5782962	1233.524521
WV1020455	DPF	2004 to 2005	40673.68792	53169.76729	9827.58004	789.2000122	2631.23032	297.7506862	692.1858544
WV1020455	DPF-1	2003 to 2004	74739.60466	81410.53668	14455.28669	789.2000122	4834.99589	455.8989891	1018.129075
WV1020455	DPF-1	2004 to 2005	38538.18642	30920.30851	7582.713475	789.2000122	2493.082132	173.1537215	534.0731884
WV1020455	UPF	2003 to 2004	63636.06649	88529.45958	13944.83127	789.2000122	4116.694507	495.764956	982.1761725
WV1020455	UPF	2004 to 2005	23637.8117	21435.96905	5252.579894	789.2000122	1529.158777	120.0414224	369.9549113
WV1020455	UPF-1	2003 to 2004	41052.40042	52463.68317	15092.92677	789.2000122	2655.729692	293.7966153	1063.039972
WV1020455	UPF-1	2004 to 2005	16352.7242	18887.89054	5440.976912	789.2000122	1057.877609	105.7721832	383.2242767
WV1020480	DRC	2003 to 2004	1431.192276	880.7337082	73.39447568	789.2000122	92.5855683	4.93210859	5.16939243
WV1020480	DRC	2004 to 2005	3838.583028	2866.83431	1199.164827	789.2000122	248.3226028	16.05427157	84.46076523
WV1020480	URC	2003 to 2004	1170.040026	839.3765405	50.87130549	789.2000122	75.69131178	4.700508459	3.583018191
WV1020480	URC	2004 to 2005	2392.051617	1194.941723	423.701019	789.2000122	154.7447273	6.691673409	29.84252997
WV1020498	DHC	2003 to 2004	61645.25826	44565.92525	6145.885934	789.2000122	3987.906702	249.5691725	432.8731274
WV1020498	DHC	2004 to 2005	50380.01321	30406.77756	4781.637828	789.2000122	3259.144304	170.2779483	336.7850531
WV1020498	UHC	2003 to 2004	39763.4141	24931.8213	3669.94581	789.2000122	2572.343601	139.6181943	258.4852595
WV1020498	UHC	2004 to 2005	20117.69172	11700.82055	1858.372098	789.2000122	1301.437936	65.52459274	130.8907048
WV1020501	003	2003 to 2004	27.73882479	0	0	0	1.794458299	0	0
WV1020501	003	2004 to 2005	203.8506142	0	0	2169.630211	13.18734406	0	0
WV1020510	001	2003 to 2004	1.4274951	4.239227873	1.340980246	129.7722818	0.092346394	0.023739675	0.094449249

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WV1020510	001	2004 to 2005	1.4274951	4.239227873	1.340980246	129.7722818	0.092346394	0.023739675	0.094449249
WV1020510	013	2003 to 2004	53.19221484	36.1091368	3.907587525	730.6900291	3.441069047	0.202211159	0.275223076
WV1020510	013	2004 to 2005	43.10602575	10.9873864	11.29018846	718.0732886	2.788581212	0.061529362	0.79520174
WV1020510	018	2003 to 2004	26.23366239	25.28199965	5.092578794	312.2399668	1.697087514	0.141579193	0.358685555
WV1020510	018	2004 to 2005	4.888089145	2.249386161	0.874761273	135.5399337	0.31621643	0.012596562	0.061612053
WV1020510	024	2003 to 2004	25.01901378	9.03539487	4.56365844	160.0524767	1.618510419	0.050598209	0.321432113
WV1020510	024	2004 to 2005	7.094217696	2.725217849	0.692118802	69.21188085	0.458933568	0.015261219	0.048747997
WV1020510	026	2003 to 2004	31.2078296	38.89275187	7.358088158	1369.097529	2.018872438	0.217799403	0.518252155
WV1020510	026	2004 to 2005	31.2078296	38.89275187	7.358088158	1369.097529	2.018872438	0.217799403	0.518252155
WV1020510	027	2003 to 2004	12.06882156	12.06882156	0.129772275	674.8158292	0.780746739	0.067585398	0.009140249
WV1020510	027	2004 to 2005	12.06882156	12.06882156	0.129772275	674.8158292	0.780746739	0.067585398	0.009140249
WV1020510	028	2003 to 2004	927.12069	1029.125642	715.7098461	26247.03353	59.97656459	5.763103389	50.409585
WV1020510	028	2004 to 2005	47.79080487	26.31781813	24.87734584	1279.554664	3.091645269	0.147379776	1.752185871
WV1020552	001	2003 to 2004	137.9431251	96.6503071	15.62674517	2565.030186	8.923708465	0.5412417	1.100638399
WV1020552	001	2004 to 2005	38.93168497	22.06128815	3.649845466	567.7537392	2.518538032	0.123543209	0.257069532
WV1020561	001	2003 to 2004	1640.494603	0	0	0	106.1255903	0	0
WV1020561	001	2004 to 2005	1640.494603	0	0	0	106.1255903	0	0
WV1020561	002	2003 to 2004	868.8254101	0	0	0	56.20537206	0	0
WV1020561	002	2004 to 2005	868.8254101	0	0	0	56.20537206	0	0
WV1020579	031	2003 to 2004	241.5062066	0	0	6954.983074	15.62333011	0	0
WV1020579	031	2004 to 2005	241.5062066	0	0	6954.983074	15.62333011	0	0
WV1020579	045	2003 to 2004	764.6831478	0	0	3938.994126	49.46828249	0	0
WV1020579	045	2004 to 2005	764.6831478	0	0	3938.994126	49.46828249	0	0
WV1020587	DJB	2003 to 2004	1355.017243	1099.409111	255.990239	789.2000122	87.65771285	6.156690802	18.03015815
WV1020587	DJB	2004 to 2005	2512.873667	1482.012428	266.5046824	789.2000122	162.5608526	8.299269303	18.77072184
WV1020587	DPF	2003 to 2004	74814.39937	106093.6655	14280.2863	789.2000122	4839.834451	594.1245057	1005.803273
WV1020587	DPF	2004 to 2005	26140.04787	31764.30068	9705.465585	789.2000122	1691.031477	177.8800775	683.5849682
WV1020587	UPF	2003 to 2004	71792.22325	62384.60536	19118.32627	789.2000122	4644.326204	349.3537775	1346.560898
WV1020587	UPF	2004 to 2005	12277.03314	18606.01421	3745.881197	789.2000122	794.2161999	104.1936759	263.8336159
WV1020609	005	2003 to 2004	227.9666416	0	114.4699667	0	14.7474392	0	8.062462107
WV1020609	005	2004 to 2005	314.2918357	0	75.66017158	2001.841967	20.33192095	0	5.328972168

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1020609	006	2003 to 2004	49.94069868	0	225.8253968	0	3.230724513	0	15.90555809
WV1020609	006	2004 to 2005	133.2516067	40.2320242	291.4523664	0	8.620208441	0.225299327	20.52786184
WV1020609	008	2003 to 2004	0	0	17.08668322	0	0	0	1.203466202
WV1020609	008	2004 to 2005	179.1866815	0	488.4484459	0	11.59180427	0	34.40288489
WV1020609	009	2003 to 2004	14.75665803	0	11.48035863	0	0.954626148	0	0.808595993
WV1020609	009	2004 to 2005	68.16522016	0	20.52809983	0	4.409690964	0	1.445855466
WV1020609	010	2003 to 2004	261.6803922	0	0	1880.48147	16.92842271	0	0
WV1020609	010	2004 to 2005	36.23109575	0	0	0	2.343833632	0	0
WV1020609	011	2003 to 2004	506.9770313	0	0	0	32.79696052	0	0
WV1020609	011	2004 to 2005	0	0	0	0	0	0	0
WV1020609	012	2003 to 2004	91.48945968	0	0	0	5.918564376	0	0
WV1020609	012	2004 to 2005	91.48945968	0	0	0	5.918564376	0	0
WV1020609	013	2003 to 2004	231.7624744	121.5461574	0	3194.3206	14.99299623	0.680658457	0
WV1020609	013	2004 to 2005	125.8785588	0	0	0	8.143237007	0	0
WV1020609	023	2003 to 2004	342.8475455	0	0	6518.216403	22.17922454	0	0
WV1020609	023	2004 to 2005	342.8475455	0	0	6518.216403	22.17922454	0	0
WV1020609	025	2003 to 2004	126.3503303	63.05620929	51.76637767	2493.314806	8.173756478	0.353114759	3.646060802
WV1020609	025	2004 to 2005	126.3503303	63.05620929	51.76637767	2493.314806	8.173756478	0.353114759	3.646060802
WV1020609	033	2003 to 2004	194.7943689	0	309.8407371	0	12.60148455	0	21.82300978
WV1020609	033	2004 to 2005	194.7943689	0	309.8407371	0	12.60148455	0	21.82300978
WV1020617	002	2003 to 2004	107.8407674	93.43604393	81.75653844	3503.851647	6.976350349	0.523241827	5.758357519
WV1020617	002	2004 to 2005	107.8407674	93.43604393	81.75653844	3503.851647	6.976350349	0.523241827	5.758357519
WV1020650	008	2003 to 2004	90.8135589	0	31.22645445	2188.555462	5.874839532	0	2.199372579
WV1020650	008	2004 to 2005	90.8135589	0	31.22645445	2188.555462	5.874839532	0	2.199372579
WV1020650	009	2003 to 2004	22.10995251	127.3823096	71.16928261	1530.772202	1.430319708	0.713340908	5.012665427
WV1020650	009	2004 to 2005	22.10995251	127.3823096	71.16928261	1530.772202	1.430319708	0.713340908	5.012665427
WV1020978	001	2003 to 2004	3.028019812	4.325742588	0.432574259	173.0297035	0.195886283	0.024224158	0.030467499
WV1020978	001	2004 to 2005	3.028019812	4.325742588	0.432574259	173.0297035	0.195886283	0.024224158	0.030467499
WV1021095	001	2003 to 2004	37.30953143	69.75260224	74.61906286	0	2.413598947	0.390614559	5.255643767
WV1021095	001	2004 to 2005	84.01853937	151.5001254	136.8061179	6437.110644	5.435261458	0.848400672	9.635664043
WV1021141	DSDf-01	2003 to 2004	56580.71644	35362.94778	9430.119407	789.2000122	3660.275335	198.0325005	664.1915134

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

NPDES ID	Inspection Code	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
WV1021141	DSDL-01	2004 to 2005	56580.71644	35362.94778	9430.119407	789.2000122	3660.275335	198.0325005	664.1915134
WV1021141	DSJF-12	2003 to 2004	15226.61478	5536.950828	692.1188535	207635.656	985.0282217	31.00692353	48.74800083
WV1021141	DSJF-12	2004 to 2005	15226.61478	5536.950828	692.1188535	207635.656	985.0282217	31.00692353	48.74800083
WV1021141	USDF-01	2003 to 2004	66767.83568	47691.3112	19076.52448	953826.2241	4319.292464	267.0713332	1343.616673
WV1021141	USDF-01	2004 to 2005	66767.83568	47691.3112	19076.52448	953826.2241	4319.292464	267.0713332	1343.616673
WV1021613	001	2003 to 2004	42.16468585	60.52451418	41.75373917	5032.018479	2.72768479	0.338937267	2.940840727
WV1021613	001	2004 to 2005	42.16468585	60.52451418	41.75373917	5032.018479	2.72768479	0.338937267	2.940840727
WV1021664	001	2003 to 2004	11.83270864	11.00360806	6.209243215	282.9756682	0.765472307	0.061620203	0.43733557
WV1021664	001	2004 to 2005	11.83270864	11.00360806	6.209243215	282.9756682	0.765472307	0.061620203	0.43733557
WV1021664	009	2003 to 2004	39.79683181	44.98772292	14.7075248	0	2.574505433	0.251931239	1.035894959
WV1021664	009	2004 to 2005	39.79683181	44.98772292	14.7075248	0	2.574505433	0.251931239	1.035894959
WV1021681	004	2003 to 2004	2.274394348	3.529197645	3.451807438	149.8126347	0.147133335	0.019763506	0.243121122
WV1021681	004	2004 to 2005	2.274394348	3.529197645	3.451807438	149.8126347	0.147133335	0.019763506	0.243121122
WV1021681	006	2003 to 2004	32.27724941	68.45487691	16.74783348	1653.875619	2.088054506	0.383347297	1.179600001
WV1021681	006	2004 to 2005	32.27724941	68.45487691	16.74783348	1653.875619	2.088054506	0.383347297	1.179600001
WVG012002	001	2003 to 2004	14.36579159	33.41906582	3.583877851	774.1277076	0.929340523	0.187146762	0.252423236
WVG012002	001	2004 to 2005	23.68992935	51.75751035	7.498674791	1252.680988	1.532530331	0.289842048	0.528154093
WVG013068	001	2003 to 2004	20.1147039	0	0	0	1.30124465	0	0
WVG013068	001	2004 to 2005	20.1147039	0	0	0	1.30124465	0	0
WVG013068	014	2003 to 2004	12.32836691	0	0	0	0.797537044	0	0
WVG013068	014	2004 to 2005	12.32836691	0	0	0	0.797537044	0	0
WVG014003	003	2003 to 2004	38.24000168	299.5576665	48.66460286	6127.414218	2.473792315	1.677522872	3.427593525
WVG014003	003	2004 to 2005	38.24000168	299.5576665	48.66460286	6127.414218	2.473792315	1.677522872	3.427593525
WVG014010	001	2003 to 2004	20.31801302	27.09158603	4.723710905	595.9792066	1.314396964	0.151712876	0.332705087
WVG014010	001	2004 to 2005	20.31801302	27.09158603	4.723710905	595.9792066	1.314396964	0.151712876	0.332705087
WVG015007	002	2003 to 2004	189.755905	517.4957905	213.3293988	6852.336708	12.27554019	2.897976323	15.02542758
WVG015007	002	2004 to 2005	189.755905	517.4957905	213.3293988	6852.336708	12.27554019	2.897976323	15.02542758
WVG015007	003	2003 to 2004	6.488614162	3.893168497	1.297722832	389.3168497	0.419756339	0.021801743	0.0914025
WVG015007	003	2004 to 2005	6.488614162	3.893168497	1.297722832	389.3168497	0.419756339	0.021801743	0.0914025
WVG015007	004	2003 to 2004	5.299034768	7.570049669	0.757004967	227.1014901	0.342801001	0.042392277	0.053318124
WVG015007	004	2004 to 2005	5.299034768	7.570049669	0.757004967	227.1014901	0.342801001	0.042392277	0.053318124

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in *WVDMR***

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WVG015007	005	2003 to 2004	3061.685067	447.4007638	29.717853	29687.20518	198.0641293	2.505444188	2.093117266
WVG015007	005	2004 to 2005	113.280386	124.5002796	12.43651009	3222.137555	7.328245894	0.697201541	0.875940601
WVG015007	007	2003 to 2004	89.68886921	77.84606684	4.241931497	1776.067783	5.802081989	0.435937959	0.298771922
WVG015007	007	2004 to 2005	72.01378399	35.32362158	3.647387542	2067.046312	4.658659237	0.197812274	0.256896413
WVG015007	009	2003 to 2004	0.702933174	0.789448027	0.237915843	32.79994371	0.045473602	0.004420909	0.016757124
WVG015007	009	2004 to 2005	11.67950499	27.46846543	5.407178235	317.9420802	0.755561377	0.153823401	0.380843735
WVG015014	001	2003 to 2004	88.67772278	57.28905318	11.97689975	2258.848692	5.736669697	0.320818686	0.84356887
WVG015014	001	2004 to 2005	25.04124323	27.65351103	7.210772567	903.4793957	1.619948468	0.154859656	0.507876278
WVG015033	DMF	2003 to 2004	2073.685225	959.0794164	103.6842612	789.2000122	134.1492183	5.37084454	7.302792616
WVG015033	DMF	2004 to 2005	2073.685225	959.0794164	103.6842612	789.2000122	134.1492183	5.37084454	7.302792616
WVG015034	002	2003 to 2004	9.343604348	4.37686508	1.124693114	463.247715	0.604449125	0.024510444	0.0792155
WVG015034	002	2004 to 2005	9.343604348	2.088072015	1.124693114	121.751631	0.604449125	0.011693203	0.0792155
WVG015050	001	2003 to 2004	35.47108911	26.86286152	4.412257457	484.4831604	2.294667879	0.150432019	0.310768489
WVG015050	001	2004 to 2005	35.47108911	26.86286152	4.412257457	484.4831604	2.294667879	0.150432019	0.310768489
WVG022516	001	2003 to 2004	1.268163538	0.152121952	0.043978384	11.53531371	0.082039041	0.000851883	0.003097529

**Table H-1. Annual Pollutant Loadings for AMD Outfalls in WVDMR**

<b>NPDES ID</b>	<b>Inspection Code</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
WVG022516	001	2004 to 2005	0.808913878	0.303883416	0.07461906	31.51303472	0.052329622	0.001701747	0.005255644
WVG022516	002	2003 to 2004	2.229920259	0.339787082	0.229264354	90.84059449	0.144256253	0.001902808	0.016147774
WVG022516	002	2004 to 2005	0.391479717	0.555857941	0.329837883	40.16452123	0.025325299	0.003112804	0.023231469

Source: WVDMR.

(a) If an outfall only had data for one loading year, EPA assumed the second loading year had an equal pollutant loading discharge. If an outfall did not have data for a pollutant for both years, EPA assumed the median annual loads from all outfalls in WVDMR.

**Appendix I**

**ANNUAL POLLUTANT LOADINGS BY POLLUTANT AND AMD OUTFALL  
INCLUDED IN *PADEPINSPECTOR***

Table I-1 Annual Pollutant Loadings for AMD Outfalls in *PADEPInspector*

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
589	64609	LY2003	0	0	0	2119.613905	0	0	0
589	64609	LY2004	0	0	0	2119.613905	0	0	0
589	64609	LY2005	0	0	0	2119.613905	0	0	0
589	64609	LY2006	0	0	0	2119.613905	0	0	0
589	64609	LY2007	0	0	0	2119.613905	0	0	0
828	89950	LY2003	0	0	0	0	0	0	0
828	89950	LY2004	0	0	0	0	0	0	0
828	89950	LY2005	0	0	0	0	0	0	0
828	89950	LY2006	0	0	0	0	0	0	0
828	89950	LY2007	0	0	0	0	0	0	0
928	38979	LY2003	0	16.35130726	47.58316929	173.0297065	0	0.091567317	3.351424924
928	38979	LY2004	0	16.35130726	47.58316929	173.0297065	0	0.091567317	3.351424924
928	38979	LY2005	0	16.35130726	47.58316929	173.0297065	0	0.091567317	3.351424924
928	38979	LY2006	0	16.35130726	47.58316929	173.0297065	0	0.091567317	3.351424924
928	38979	LY2007	0	16.35130726	47.58316929	173.0297065	0	0.091567317	3.351424924
1048	15404	LY2003	0	180.383469	1716.238401	4542.029796	0	1.010147391	120.8798035
1048	15404	LY2004	0	0	769.9821939	4325.742662	0	0	54.23214877
1048	15404	LY2005	0	90.19173451	1243.110298	4433.886229	0	0.505073695	87.55597614
1048	15404	LY2006	0	90.19173451	1243.110298	4433.886229	0	0.505073695	87.55597614
1048	15404	LY2007	0	90.19173451	1243.110298	4433.886229	0	0.505073695	87.55597614
1497	82449	LY2003	98.2806794	13.51674696	104.1700661	1715.296788	6.357896635	0.07569378	7.337009304
1497	82449	LY2004	98.2806794	13.51674696	104.1700661	1715.296788	6.357896635	0.07569378	7.337009304
1497	82449	LY2005	70.92776052	6.399215312	111.8478442	1208.324117	4.588403059	0.035835604	7.87777818
1497	82449	LY2006	83.27762474	8.036246743	72.71553753	1063.110247	5.387330789	0.04500298	5.121572785
1497	82449	LY2007	140.6366529	26.11477881	127.9468165	2874.455999	9.097956057	0.146242756	9.011676946
1497	82450	LY2003	23.51532589	0.721743609	15.35274289	444.1478126	1.521235021	0.004041764	1.081339598
1497	82450	LY2004	23.51532589	0.721743609	15.35274289	444.1478126	1.521235021	0.004041764	1.081339598
1497	82450	LY2005	5.620581633	0	6.641456901	199.344641	0.363602259	0	0.467777673
1497	82450	LY2006	8.379828686	2.165230827	12.50108169	106.4919194	0.542101305	0.012125292	0.880488572
1497	82450	LY2007	56.54556737	0	26.91569007	1026.606877	3.658001498	0	1.89575255
1832	19685	LY2003	29.81061524	0	32.28590132	2482.015012	1.928484942	0	2.27399259
1832	19685	LY2004	81.75653632	0	905.5725977	4169.367065	5.28892973	0	63.78218643
1832	19685	LY2005	0	0	1576.610844	3788.114646	0	0	111.045417
1832	19685	LY2006	0	0	81.75783404	1144.158934	0	0	5.758448772
1832	19685	LY2007	0	0	1101.313895	7948.311823	0	0	77.56883143
2496	34912	LY2003	0	162.2153498	175.1925778	0	0	0.908405927	12.33933722
2496	34912	LY2004	0	16.08635553	39.60325551	169.7853995	0	0.090083588	2.789375731
2496	34912	LY2005	0	0	14.54170492	118.9579232	0	0	1.024215768
2496	34912	LY2006	44.77143656	9.851878914	10.97657201	118.9579232	2.896318662	0.05517052	0.773112795
2496	34912	LY2007	0	7.575456838	4.37873301	142.20879	0	0.042422557	0.308407262
2496	44482	LY2003	1557.267358	2037.424794	681.3044693	0	100.7415187	11.40957844	47.98631141
2496	44482	LY2004	1557.267358	2037.424794	681.3044693	0	100.7415187	11.40957844	47.98631141
2496	44482	LY2005	1557.267358	2037.424794	681.3044693	0	100.7415187	11.40957844	47.98631141
2496	44482	LY2006	1557.267358	2037.424794	681.3044693	0	100.7415187	11.40957844	47.98631141
2496	44482	LY2007	1557.267358	2037.424794	681.3044693	0	100.7415187	11.40957844	47.98631141
2496	58602	LY2003	1466.542116	9282.755371	1125.356373	579.6495168	94.87239242	51.98342822	79.26221504
2496	58602	LY2004	1466.542116	9282.755371	1125.356373	579.6495168	94.87239242	51.98342822	79.26221504
2496	58602	LY2005	2007.144595	15105.49338	1834.114889	692.118826	129.8446241	84.5907599	129.1821971
2496	58602	LY2006	1747.600036	8175.653632	1038.178239	519.0891195	113.054371	45.78365871	73.12199834
2496	58602	LY2007	644.8817161	4567.119103	503.7759905	527.7406048	41.71818223	25.57586606	35.4824497
2522	26400	LY2003	0	0	0	0	0	0	0



**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEP Inspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
2522	26400	LY2004	38.54236712	0	96.5073188	349.6641985	2.493352587	0	6.797299096
2522	26400	LY2005	0	0	0	266.0331737	0	0	0
2522	26400	LY2006	0	29.58807981	283.5740602	356.8737696	0	0.165693241	19.97296917
2522	26400	LY2007	0	0	13.35933526	614.9764152	0	0	0.940937937
2522	58602	LY2003	660.9734788	2522.773121	363.3623836	484.4831782	42.75917793	14.12752897	25.59269942
2522	58602	LY2004	5346.617931	14664.26763	1674.06241	1297.722799	345.8792141	82.11989577	117.9092223
2522	58602	LY2005	3003.795705	8593.520373	1018.712397	891.1029885	194.319196	48.12371237	71.75096087
2522	58602	LY2006	3003.795705	8593.520373	1018.712397	891.1029885	194.319196	48.12371237	71.75096087
2522	58602	LY2007	3003.795705	8593.520373	1018.712397	891.1029885	194.319196	48.12371237	71.75096087
3405	25954	LY2003	0	244.1341015	422.4195853	540.7178328	0	1.36715092	29.75227476
3405	25954	LY2004	0	0	139.9594038	621.8255077	0	0	9.857759402
3405	25954	LY2005	0	0	74.01345695	421.7599096	0	0	5.212989132
3405	25954	LY2006	0	0	8.975916024	389.3168396	0	0	0.632200611
3405	25954	LY2007	27.87941146	0	8.186467989	364.9845371	1.803553022	0	0.576597424
3405	25955	LY2003	0	0	86.19907403	231.4272324	0	0	6.071258587
3405	25955	LY2004	0	0	62.7805847	373.0953046	0	0	4.421824344
3405	25955	LY2005	0	0	56.56643907	810.8604621	0	0	3.984143482
3405	25955	LY2006	0	33.0443482	68.93503507	0	0	0.185048343	4.85530069
3405	25955	LY2007	0	0	22.25270169	396.5624586	0	0	1.567324333
3550	23353	LY2003	12.86187485	20.86449877	5.904638734	443.3886229	0.832050321	0.116841189	0.415881366
3550	23353	LY2004	10.26715021	13.84237652	0.73105051	55.15321895	0.664194429	0.077517306	0.051490074
3550	23353	LY2005	150.7521318	116.4814355	9.624777424	1340.980225	9.752338683	0.652296016	0.67790186
3550	23353	LY2006	57.96038561	50.39610361	5.420155556	613.1740224	3.749527811	0.28221817	0.381757766
3550	23353	LY2007	57.96038561	50.39610361	5.420155556	613.1740224	3.749527811	0.28221817	0.381757766
3550	62144	LY2003	61.43419729	22.33986541	18.08722779	336.7590663	3.974252912	0.125103242	1.273937549
3550	62144	LY2004	16.04516266	22.15802691	24.69114249	478.6827505	1.037981079	0.124084946	1.739071012
3550	62144	LY2005	0	13.84906176	30.62783105	187.9731811	0	0.077554743	2.157209742
3550	62144	LY2006	0	5.827135845	23.8813438	88.4974853	0	0.03263196	1.682034468
3550	62144	LY2007	0	7.30281489	32.73770111	170.3861971	0	0.040895762	2.305814201
3840	52288	LY2003	0	137.1260424	1974.701525	3028.019864	0	0.76790581	139.0841343
3840	52288	LY2004	591.5453091	660.7571917	304.9648577	38931.68396	38.26778522	3.700240141	21.47958701
3840	52288	LY2005	0	0	3685.532748	5190.891195	0	0	259.5830941
3840	52288	LY2006	0	92.24646228	196.0102144	2676.553272	0	0.51658017	13.80558562
3840	52288	LY2007	147.8863273	222.5324241	1540.302336	12456.78707	9.566946304	1.24618153	108.4881003
3853	58914	LY2003	0	0	125.2302501	497.4604062	0	0	8.82034105
3853	58914	LY2004	0	0	125.2302501	497.4604062	0	0	8.82034105
3853	58914	LY2005	0	0	125.2302501	497.4604062	0	0	8.82034105
3853	58914	LY2006	0	0	125.2302501	497.4604062	0	0	8.82034105
3853	58914	LY2007	0	0	125.2302501	497.4604062	0	0	8.82034105
3853	71713	LY2003	81.75653632	157.0244586	2156.788256	3679.584852	5.28892973	0.879336937	151.9090473
3853	71713	LY2004	0	0	556.7230807	93436.04151	0	0	39.21167161
3853	71713	LY2005	0	12.00393589	0	0	0	0.067222039	0
3853	71713	LY2006	27.25217877	56.34279818	904.5037787	32371.87545	1.762976577	0.315519659	63.70690632
3853	71713	LY2007	27.25217877	56.34279818	904.5037787	32371.87545	1.762976577	0.315519659	63.70690632
3853	94443	LY2003	199.1463778	633.5320488	1526.500514	17992.38589	12.88302129	3.547779347	107.5159966
3853	94443	LY2004	199.1463778	633.5320488	1526.500514	17992.38589	12.88302129	3.547779347	107.5159966
3853	94443	LY2005	199.1463778	633.5320488	1526.500514	17992.38589	12.88302129	3.547779347	107.5159966
3853	94443	LY2006	199.1463778	633.5320488	1526.500514	17992.38589	12.88302129	3.547779347	107.5159966
3853	94443	LY2007	199.1463778	633.5320488	1526.500514	17992.38589	12.88302129	3.547779347	107.5159966
3860	23312	LY2003	0	105.0542653	329.9171833	3245.208193	0	0.588303865	23.23705393
3860	23312	LY2004	0	112.6315246	393.0297687	2747.747787	0	0.630736515	27.68226208

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
3860	23312	LY2005	0	153.0034842	332.5453997	2149.107605	0	0.856819481	23.42216707
3860	23312	LY2006	0	42.42472116	101.8442038	884.0736566	0	0.23757843	7.173191869
3860	23312	LY2007	0	21.57896727	36.7558354	432.5742662	0	0.120842212	2.588823416
3867	70408	LY2003	0	25.26233715	91.27317018	865.1485325	0	0.141469083	6.428642354
3867	70408	LY2004	8.251354129	12.7501265	18.00590383	151.4009932	0.53379013	0.071400706	1.268209659
3867	70408	LY2005	271.4403521	165.4596568	103.1689625	5407.178328	17.55980638	0.926574045	7.266498585
3867	70408	LY2006	93.23056873	67.82404016	70.81601217	2141.242618	6.031198837	0.379814611	4.987783533
3867	70408	LY2007	93.23056873	67.82404016	70.81601217	2141.242618	6.031198837	0.379814611	4.987783533
4227	97962	LY2003	285.4990157	0	512.1679312	1626.479241	18.46927842	0	36.07351918
4227	97962	LY2004	330.3137097	10.02130383	384.2239986	1661.085182	21.36839546	0.056119299	27.06204535
4227	97962	LY2005	121.9859431	16.13502013	173.4622808	865.1485325	7.891418963	0.09035611	12.21746722
4227	97962	LY2006	93.6480029	5.558579321	112.1088307	158.6105643	6.05820316	0.031128043	7.896160238
4227	97962	LY2007	207.8616678	7.928725822	295.4907603	1077.83088	13.446824	0.044400863	20.812298
4246	97986	LY2003	11.58433885	0	89.48231271	168.7039638	0.749404964	0	6.302506907
4246	97986	LY2004	0	0	1237.919406	4109.455529	0	0	87.19036615
4246	97986	LY2005	0	68.6116858	390.8416639	556.9393678	0	0.384225427	27.52814731
4246	97986	LY2006	0	115.2026379	1085.869552	624.5290969	0	0.645134749	76.48104014
4246	97986	LY2007	0	110.1117795	1246.387048	1054.399774	0	0.616625943	87.78676745
4246	97987	LY2003	18.58339048	0	374.5747086	258.2468369	1.202182123	0	26.382417
4246	97987	LY2004	133.1896166	72.69843118	1169.966315	3417.336703	8.616198222	0.4071112	82.40422668
4246	97987	LY2005	182.4922686	0	1139.973778	519.0891195	11.80564672	0	80.29176262
4246	97987	LY2006	0	0	771.947317	631.8674103	0	0	54.37055827
4246	97987	LY2007	181.3783898	0	637.1818942	1070.621309	11.73358855	0	44.87862648
4255	97961	LY2003	105.6625729	53.77258608	335.7428772	1767.246117	6.835440301	0.301126471	23.64737498
4255	97961	LY2004	105.6625729	53.77258608	335.7428772	1767.246117	6.835440301	0.301126471	23.64737498
4255	97961	LY2005	0	0	340.2412891	421.7599096	0	0	23.96421158
4255	97961	LY2006	280.9218393	161.3177582	366.1470805	4660.447001	18.17317531	0.903379414	25.78883395
4255	97961	LY2007	36.06587945	0	300.8402621	219.5314401	2.333145589	0	21.18907941
4255	97983	LY2003	109.6305406	167.1196606	461.46482	1524.824288	7.092132955	0.935870066	32.50234742
4255	97983	LY2004	167.8388153	521.2519908	899.7544738	2595.445597	10.85769701	2.919011045	63.37239856
4255	97983	LY2005	0	30.10716893	8.824515031	346.059413	0	0.16860014	0.621536986
4255	97983	LY2006	210.2310934	0	636.5330328	2725.217877	13.60010502	0	44.83292523
4255	97983	LY2007	60.45225371	117.1194826	300.7472586	432.5742662	3.910729787	0.655869079	21.1825289
4286	97964	LY2003	5864.186552	556.0071702	15126.68952	25213.28323	379.3613574	3.113640042	1065.417983
4286	97964	LY2004	12354.44216	1248.328225	15437.5482	39952.9918	799.2238836	6.990637809	1087.31269
4286	97964	LY2005	6937.815333	704.1768337	7368.226728	30945.01121	448.8157086	3.943390128	518.9662453
4286	97964	LY2006	5027.553856	405.1301326	5369.219936	23142.39881	325.2385712	2.268728662	378.1702183
4286	97964	LY2007	6294.135813	398.6027672	7325.645199	11168.31776	407.1752979	2.232175417	515.9671008
4292	39672	LY2003	401.2126319	787.2851646	1998.49311	19098.15385	25.95493294	4.408796764	140.7598468
4292	39672	LY2004	6235.01733	4070.523845	6882.256576	12144.52252	403.3508513	22.79493272	484.737914
4292	39672	LY2005	6235.01733	4070.523845	6882.256576	12144.52252	403.3508513	22.79493272	484.737914
4292	39672	LY2006	6235.01733	4070.523845	6882.256576	12144.52252	403.3508513	22.79493272	484.737914
4292	39672	LY2007	12068.82203	7353.762526	11766.02004	5190.891195	780.7467697	41.18106868	828.7159812
4292	97983	LY2003	6026.660725	1388.956316	6764.877549	5847.683122	389.8720092	7.778155094	476.4705581
4292	97983	LY2004	5905.72017	2252.089774	5012.45431	3028.019864	382.0482177	12.61170228	353.0421483
4292	97983	LY2005	174.4139441	525.5777335	685.1976377	1557.267358	11.28305009	2.943235203	48.26051891
4292	97983	LY2006	0	0	18.34114889	692.118826	0	0	1.291821971
4292	97983	LY2007	3026.69871	1041.655956	3120.217661	2781.272293	195.8008193	5.833273145	219.7662618
4292	97984	LY2003	13650.00834	75.10570698	10669.12706	29217.08489	883.0356346	0.420591944	751.4585276
4292	97984	LY2004	1479.403991	0	1148.484677	259.5445597	95.70444274	0	80.89121067
4292	97984	LY2005	521.6701459	28.98247584	2883.251676	2234.967042	33.74747596	0.162301859	203.0760387

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
4292	97984	LY2006	1887.480134	0	5408.043477	2543.536685	122.1033846	0	380.9046764
4292	97984	LY2007	7316.081703	93.98071019	7735.803467	2041.779375	473.2862199	0.526291958	544.8557743
4292	97985	LY2003	20795.02374	13375.44504	11412.45006	6996.753577	1345.255368	74.90248957	803.8129898
4292	97985	LY2004	4.654499105	6.947142716	3.659578292	0	0.301105206	0.038903998	0.257755044
4292	97985	LY2005	136.3329896	166.3752724	626.3386992	1769.949706	8.819546843	0.931701492	44.11490783
4292	97985	LY2006	0	25.16933368	90.55942264	1949.828505	0	0.140948264	6.378370981
4292	97985	LY2007	6755.512316	5168.757812	4783.262045	2015.363506	437.0223048	28.94504271	336.8994515
4393	16037	LY2003	108.2805484	9.920369839	719.0826219	474.7502572	7.004800319	0.055554069	50.64713969
4393	16037	LY2004	108.2805484	9.920369839	719.0826219	474.7502572	7.004800319	0.055554069	50.64713969
4393	16037	LY2005	108.2805484	9.920369839	719.0826219	474.7502572	7.004800319	0.055554069	50.64713969
4393	16037	LY2006	108.2805484	9.920369839	719.0826219	474.7502572	7.004800319	0.055554069	50.64713969
4393	16037	LY2007	108.2805484	9.920369839	719.0826219	474.7502572	7.004800319	0.055554069	50.64713969
4395	24837	LY2003	0	0	3375.809574	0	0	0	237.7683646
4395	24837	LY2004	0	0	3375.809574	0	0	0	237.7683646
4395	24837	LY2005	0	0	3375.809574	0	0	0	237.7683646
4395	24837	LY2006	0	0	3375.809574	0	0	0	237.7683646
4395	24837	LY2007	0	0	3375.809574	0	0	0	237.7683646
4395	85406	LY2003	0	1787.840257	6269.331824	3376.106969	0	10.01190508	441.5677906
4395	85406	LY2004	0	1787.840257	6269.331824	3376.106969	0	10.01190508	441.5677906
4395	85406	LY2005	0	510.037503	2947.452907	1324.217973	0	2.856209915	207.5979234
4395	85406	LY2006	0	0	2208.498724	1536.85526	0	0	155.5511703
4395	85406	LY2007	0	4853.483267	13652.04384	7267.247673	0	27.17950533	961.5542782
4395	86483	LY2003	126.0413268	1064.874787	4825.832159	3125.365095	8.153766668	5.963298593	339.897792
4395	86483	LY2004	126.0413268	1064.874787	4825.832159	3125.365095	8.153766668	5.963298593	339.897792
4395	86483	LY2005	126.0413268	1064.874787	4825.832159	3125.365095	8.153766668	5.963298593	339.897792
4395	86483	LY2006	252.0826537	82.27562544	1101.334082	4051.490578	16.30753334	0.460743486	77.57025324
4395	86483	LY2007	0	2047.473948	8550.330236	2199.239612	0	11.4658537	602.2253307
4395	93064	LY2003	113.3344578	93.37836494	911.7223618	2213.338329	7.331743859	0.522918825	64.21533271
4395	93064	LY2004	113.3344578	93.37836494	911.7223618	2213.338329	7.331743859	0.522918825	64.21533271
4395	93064	LY2005	113.3344578	93.37836494	911.7223618	2213.338329	7.331743859	0.522918825	64.21533271
4395	93064	LY2006	113.3344578	93.37836494	911.7223618	2213.338329	7.331743859	0.522918825	64.21533271
4395	93064	LY2007	113.3344578	93.37836494	911.7223618	2213.338329	7.331743859	0.522918825	64.21533271
4467	17725	LY2003	0	69.59471082	313.5276653	3483.304279	0	0.389730367	22.08269116
4467	17725	LY2004	0	69.59471082	313.5276653	3483.304279	0	0.389730367	22.08269116
4467	17725	LY2005	0	69.59471082	313.5276653	3483.304279	0	0.389730367	22.08269116
4467	17725	LY2006	0	69.59471082	313.5276653	3483.304279	0	0.389730367	22.08269116
4467	17725	LY2007	0	69.59471082	313.5276653	3483.304279	0	0.389730367	22.08269116
4467	17726	LY2003	0	46.43598233	1669.652251	246.999906	0	0.260041492	117.5986016
4467	17726	LY2004	0	46.43598233	1669.652251	246.999906	0	0.260041492	117.5986016
4467	17726	LY2005	0	0	3265.69853	0	0	0	230.0129145
4467	17726	LY2006	0	46.43598233	1669.652251	246.999906	0	0.260041492	117.5986016
4467	17726	LY2007	0	92.87196466	73.60597199	493.999812	0	0.520082984	5.184288748
4468	54469	LY2003	609.9297154	1003.572298	144.4798049	692.118826	39.45709481	5.620004667	10.17614477
4468	54469	LY2004	609.9297154	1003.572298	144.4798049	692.118826	39.45709481	5.620004667	10.17614477
4468	54469	LY2005	609.9297154	1003.572298	144.4798049	692.118826	39.45709481	5.620004667	10.17614477
4468	54469	LY2006	609.9297154	1003.572298	144.4798049	692.118826	39.45709481	5.620004667	10.17614477
4468	54469	LY2007	609.9297154	1003.572298	144.4798049	692.118826	39.45709481	5.620004667	10.17614477
4468	54472	LY2003	1478.430698	816.0513533	12389.14327	22255.946	95.64147929	4.569887415	872.604414
4468	54472	LY2004	1478.430698	816.0513533	12389.14327	22255.946	95.64147929	4.569887415	872.604414
4468	54472	LY2005	1478.430698	816.0513533	12389.14327	22255.946	95.64147929	4.569887415	872.604414
4468	54472	LY2006	1478.430698	816.0513533	12389.14327	22255.946	95.64147929	4.569887415	872.604414

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
4468	54472	LY2007	1478.430698	816.0513533	12389.14327	22255.946	95.64147929	4.569887415	872.604414
4468	64142	LY2003	6877.647694	4890.790831	8307.038234	8573.228708	444.9233908	27.38842768	585.0895474
4468	64142	LY2004	5724.579696	3507.366222	7272.114133	5558.579321	370.3300202	19.64125015	512.1967478
4468	64142	LY2005	4283.088136	4021.511559	6018.72479	6357.625099	277.0781787	22.52046393	423.9167877
4468	64142	LY2006	4538.785489	3641.907634	6722.312241	5219.008522	293.6195513	20.39468202	473.4725561
4468	64142	LY2007	4756.154057	2675.471837	5294.709019	1881.698058	307.6813883	14.98264175	372.9221916
4468	64143	LY2003	682.8247712	142.4065944	1580.571314	3207.695484	44.1727646	0.7974769	111.3243648
4468	64143	LY2004	562.7574917	593.2756061	1151.555954	1795.183205	36.40546631	3.322343276	81.10752991
4468	64143	LY2005	609.9297154	0	828.8122941	1038.178239	39.45709481	0	58.37572868
4468	64143	LY2006	618.5039928	245.2274002	1186.979854	2013.685643	40.01177524	1.373273392	83.60254113
4468	64143	LY2007	618.5039928	245.2274002	1186.979854	2013.685643	40.01177524	1.373273392	83.60254113
4468	64144	LY2003	823.6603346	117.3872854	1623.679306	2390.543033	53.28358841	0.657368775	114.3605896
4468	64144	LY2004	733.689213	690.3885289	1229.376065	908.4059591	47.46324717	3.866175624	86.58863304
4468	64144	LY2005	1081.055	0	1189.62249	461.9893163	69.93476226	0	83.78866985
4468	64144	LY2006	879.4681826	269.2586048	1347.559287	1253.646103	56.89386595	1.507848133	94.91263083
4468	64144	LY2007	879.4681826	269.2586048	1347.559287	1253.646103	56.89386595	1.507848133	94.91263083
4468	64145	LY2003	924.1135172	246.6687901	2051.821652	3091.411656	59.78202692	1.381345175	144.5159355
4468	64145	LY2004	895.4719885	845.1419727	1354.411656	1047.91116	57.92917161	4.732794878	95.39526371
4468	64145	LY2005	972.9027822	0	1158.217598	1103.064379	62.93826379	0	81.5767294
4468	64145	LY2006	930.8294293	363.9369209	1521.483635	1747.462398	60.21648744	2.038046684	107.1626429
4468	64145	LY2007	930.8294293	363.9369209	1521.483635	1747.462398	60.21648744	2.038046684	107.1626429
4468	64146	LY2003	839.2916023	199.7702679	1913.106882	3424.88709	54.29479413	1.11871346	134.7458394
4468	64146	LY2004	828.7690367	825.7842743	1465.518357	1144.158934	53.61407656	4.624391771	103.2208409
4468	64146	LY2005	2383.300363	126.3657575	7202.902251	4557.169895	154.178598	0.707648217	507.3219479
4468	64146	LY2006	1360.273038	0	4220.454086	3633.623836	87.99771656	0	297.2592038
4468	64146	LY2007	1352.90851	287.9800749	3700.495394	3189.959939	87.52129631	1.612688362	260.636958
4468	64148	LY2003	0	50.07086457	1115.502855	762.7070812	0	0.280396832	78.56820233
4468	64148	LY2004	74.19730102	21.21776776	426.3019394	308.2091647	4.799913608	0.118819495	30.02572057
4468	64148	LY2005	37.09865051	35.64431616	770.9023973	535.458123	2.399956804	0.199608163	54.29696145
4468	64148	LY2006	37.09865051	35.64431616	770.9023973	535.458123	2.399956804	0.199608163	54.29696145
4468	64148	LY2007	37.09865051	35.64431616	770.9023973	535.458123	2.399956804	0.199608163	54.29696145
4468	64149	LY2003	0	22.18948686	794.6117929	669.8609137	0	0.124261122	55.96688509
4468	64149	LY2004	55.51225559	0	173.2459936	366.6066906	3.591155303	0	12.20223347
4468	64149	LY2005	27.75612779	11.09474343	483.9288933	518.2338022	1.795577652	0.062130561	34.08455928
4468	64149	LY2006	27.75612779	11.09474343	483.9288933	518.2338022	1.795577652	0.062130561	34.08455928
4468	64149	LY2007	27.75612779	11.09474343	483.9288933	518.2338022	1.795577652	0.062130561	34.08455928
4468	64150	LY2003	0	30.64434752	1002.523108	1064.702906	0	0.17160834	70.61070086
4468	64150	LY2004	0	0	248.362515	352.548027	0	0	17.49291473
4468	64150	LY2005	0	15.32217376	625.4428117	708.6254667	0	0.08580417	44.0518078
4468	64150	LY2006	0	15.32217376	625.4428117	708.6254667	0	0.08580417	44.0518078
4468	64150	LY2007	0	15.32217376	625.4428117	708.6254667	0	0.08580417	44.0518078
4468	64151	LY2003	48.96740694	51.74492698	1445.017482	1506.125283	3.167761087	0.289771581	101.776903
4468	64151	LY2004	0	0	401.4938052	377.4210473	0	0	28.27840948
4468	64151	LY2005	0	0	574.2423384	648.8613994	0	0	40.44560533
4468	64151	LY2006	16.32246898	17.24830899	806.9178753	844.1359098	1.055920362	0.096590527	56.83363928
4468	64151	LY2007	16.32246898	17.24830899	806.9178753	844.1359098	1.055920362	0.096590527	56.83363928
4468	64152	LY2003	0	146.8841313	4975.292248	6309.292298	0	0.822551106	350.4247131
4468	64152	LY2004	173.3173684	0	2613.397429	3309.193137	11.21211127	0	184.0693971
4468	64152	LY2005	200.2213249	0	1664.81974	1646.66604	12.95256093	0	117.2582334
4468	64152	LY2006	0	0	1934.958765	2247.223313	0	0	136.2849329
4468	64152	LY2007	0	0	235.8567929	558.0208034	0	0	16.61209932

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
4478	24186	LY2003	7.118550269	25.18906988	21.14801516	435.5482143	0.460507671	0.141058786	1.489517957
4478	24186	LY2004	0	93.37029022	195.7074124	477.6701335	0	0.522873607	13.78425838
4478	24186	LY2005	0	96.69310945	65.54681061	507.9070747	0	0.541481394	4.616657908
4478	24186	LY2006	14.39390871	18.36147988	78.72786759	440.1226872	0.931159454	0.102824284	5.545039173
4478	24186	LY2007	44.09359268	1710.869073	308.8318554	407.0740132	2.852468117	9.580866468	21.75195122
4621	14222	LY2003	41.70015927	80.02623925	5.536950608	1297.722799	2.697634	0.448146924	0.389983991
4621	14222	LY2004	41.70015927	80.02623925	5.536950608	1297.722799	2.697634	0.448146924	0.389983991
4621	14222	LY2005	41.70015927	80.02623925	5.536950608	1297.722799	2.697634	0.448146924	0.389983991
4621	14222	LY2006	41.70015927	80.02623925	5.536950608	1297.722799	2.697634	0.448146924	0.389983991
4621	14222	LY2007	41.70015927	80.02623925	5.536950608	1297.722799	2.697634	0.448146924	0.389983991
4622	24223	LY2003	254.8583385	798.7664065	4706.173706	10192.53115	16.48709576	4.473091717	331.4698893
4622	24223	LY2004	0	214.7731232	2255.225937	5082.747628	0	1.202729447	158.8423077
4622	24223	LY2005	0	0	127.0946452	1304.211413	0	0	8.951655972
4622	24223	LY2006	133.9132773	2532.510548	3835.097284	7875.825594	8.663012712	14.18205856	270.1173716
4622	24223	LY2007	280.7947706	9116.502661	8251.894846	14923.81219	18.16495509	51.05241308	581.2056337
4709	17350	LY2003	65.21057064	0	167.3792051	543.421422	4.218551094	0	11.78901801
4709	17350	LY2004	57.09331453	0	126.4652496	715.0452621	3.693435928	0	8.907325761
4709	17350	LY2005	48.67421771	0	187.774481	851.5705069	3.14879432	0	13.22551829
4709	17350	LY2006	28.7661887	17.87937586	42.25781959	283.6966229	1.86091972	0.100124501	2.976344618
4709	17350	LY2007	27.45607855	14.24545709	84.31147724	144.5191299	1.776167101	0.079774557	5.9383095
4726	17376	LY2003	200.0655981	91.81388801	1399.377751	892.1844241	12.94248677	0.514157755	98.56236027
4726	17376	LY2004	94.78783609	48.30773118	729.9690743	2066.623557	6.131940355	0.270523285	51.41390509
4726	17376	LY2005	94.44538146	164.5584604	837.0016459	2057.130955	6.109786549	0.921527346	58.95252922
4726	17376	LY2006	78.90875573	36.68950735	617.256442	548.1076432	5.104703342	0.205461234	43.4752173
4726	17376	LY2007	61.90727624	35.77585806	647.511571	438.4238501	4.004856964	0.200344798	45.60617652
5065	17366	LY2003	328.3238681	30.23694121	773.442788	129.7722799	21.23967019	0.169326865	54.47588877
5065	17366	LY2004	940.8490291	728.238772	2389.972821	465.0173362	60.86466753	4.078137007	168.3329337
5065	17366	LY2005	603.8736757	554.5602093	21974.77272	31145.34717	39.06532224	3.105537061	1547.748965
5065	17366	LY2006	468.2616432	328.2589819	8283.040194	10260.12088	30.29241499	1.838250233	583.3992937
5065	17366	LY2007	0	0	7993.97244	9300.346724	0	0	563.0393872
5462	22466	LY2003	0	34.34639674	30.88580261	432.5742662	0	0.192339815	2.175379451
5462	22466	LY2004	0	34.34639674	30.88580261	432.5742662	0	0.192339815	2.175379451
5462	22466	LY2005	0	34.34639674	30.88580261	432.5742662	0	0.192339815	2.175379451
5462	22466	LY2006	0	34.34639674	30.88580261	432.5742662	0	0.192339815	2.175379451
5462	22466	LY2007	0	34.34639674	30.88580261	432.5742662	0	0.192339815	2.175379451
5928	83885	LY2003	0	3.816746942	46.43047422	194.9147601	0	0.021373782	3.270237163
5928	83885	LY2004	0	3.816746942	46.43047422	194.9147601	0	0.021373782	3.270237163
5928	83885	LY2005	0	11.45024083	26.3302765	157.4570329	0	0.064121346	1.854520122
5928	83885	LY2006	0	0	39.89070111	427.2872474	0	0	2.809621384
5928	83885	LY2007	0	0	73.07044505	0	0	0	5.146569983
5999	17369	LY2003	42.23006274	26.70064658	172.3548906	631.8828594	2.7319141	0.149523616	12.13947043
5999	17369	LY2004	107.9011447	17.6736147	177.9929555	1354.606315	6.980256234	0.098972239	12.53657619
5999	17369	LY2005	22.61844323	43.00653355	241.9214841	363.3623836	1.463214591	0.240836579	17.03925366
5999	17369	LY2006	0	0	89.93218995	1344.76525	0	0	6.334193107
5999	17369	LY2007	384.8026182	49.7380071	402.899375	405.3035486	24.89334919	0.27853283	28.37740797
50834	32855	LY2003	2.059053507	4.001311963	24.44044604	38.93168396	0.133202675	0.022407346	1.721413711
50834	32855	LY2004	2.059053507	4.001311963	24.44044604	38.93168396	0.133202675	0.022407346	1.721413711
50834	32855	LY2005	2.059053507	4.001311963	24.44044604	38.93168396	0.133202675	0.022407346	1.721413711
50834	32855	LY2006	2.059053507	4.001311963	24.44044604	38.93168396	0.133202675	0.022407346	1.721413711
50834	32855	LY2007	2.059053507	4.001311963	24.44044604	38.93168396	0.133202675	0.022407346	1.721413711
190515	32959	LY2003	133.6654483	83.48683338	60.12782301	3893.168396	8.646980353	0.46752625	4.234982404

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
190515	32959	LY2004	133.6654483	83.48683338	60.12782301	3893.168396	8.646980353	0.46752625	4.234982404
190515	32959	LY2005	133.6654483	83.48683338	60.12782301	3893.168396	8.646980353	0.46752625	4.234982404
190515	32959	LY2006	133.6654483	83.48683338	60.12782301	3893.168396	8.646980353	0.46752625	4.234982404
190515	32959	LY2007	133.6654483	83.48683338	60.12782301	3893.168396	8.646980353	0.46752625	4.234982404
190515	81670	LY2003	2506.84117	101.137065	64.98947712	1855.983921	162.170603	0.566367544	4.577403244
190515	81670	LY2004	2506.84117	101.137065	64.98947712	1855.983921	162.170603	0.566367544	4.577403244
190515	81670	LY2005	7310.505099	124.1488144	40.01311963	3028.019864	472.9254627	0.695233336	2.818243686
190515	81670	LY2006	190.8661854	153.0591945	133.0670539	2193.872487	12.34736558	0.857131459	9.372310579
190515	81670	LY2007	19.15222564	26.20318618	21.88825787	346.059413	1.238980761	0.146737837	1.541655465
238703	32681	LY2003	0	58.07309524	179.5183205	1514.009932	0	0.325209322	12.64401221
238703	32681	LY2004	0	104.6829724	862.5530869	2422.415891	0	0.586224625	60.75219362
238703	32681	LY2005	0	81.37803384	521.0357037	1968.212911	0	0.455716973	36.69810292
238703	32681	LY2006	0	81.37803384	521.0357037	1968.212911	0	0.455716973	36.69810292
238703	32681	LY2007	0	81.37803384	521.0357037	1968.212911	0	0.455716973	36.69810292
238783	6901	LY2003	4042.406518	2199.640144	256.9491141	27252.17877	261.5081922	12.31798437	18.09769459
238783	6901	LY2004	4042.406518	2199.640144	256.9491141	27252.17877	261.5081922	12.31798437	18.09769459
238783	6901	LY2005	4042.406518	2199.640144	256.9491141	27252.17877	261.5081922	12.31798437	18.09769459
238783	6901	LY2006	4042.406518	2199.640144	256.9491141	27252.17877	261.5081922	12.31798437	18.09769459
238783	6901	LY2007	4042.406518	2199.640144	256.9491141	27252.17877	261.5081922	12.31798437	18.09769459
238783	6902	LY2003	13.30876526	10.81260576	0.500550222	164.8931905	0.860960205	0.06055059	0.035255249
238783	6902	LY2004	13.30876526	10.81260576	0.500550222	164.8931905	0.860960205	0.06055059	0.035255249
238783	6902	LY2005	22.04089479	18.92018044	1.001100445	311.7624533	1.42585228	0.105953007	0.070510498
238783	6902	LY2006	4.576635737	2.705031078	0	18.02392776	0.29606813	0.015148173	0
238783	6902	LY2007	13.30876526	10.81260576	0.500550222	164.8931905	0.860960205	0.06055059	0.035255249
238943	6576	LY2003	83.48683338	195.7398555	2.963133724	3460.59413	5.400864751	1.096143152	0.20870237
238943	6576	LY2004	83.48683338	195.7398555	2.963133724	3460.59413	5.400864751	1.096143152	0.20870237
238943	6576	LY2005	83.48683338	195.7398555	2.963133724	3460.59413	5.400864751	1.096143152	0.20870237
238943	6576	LY2006	83.48683338	195.7398555	2.963133724	3460.59413	5.400864751	1.096143152	0.20870237
238943	6576	LY2007	83.48683338	195.7398555	2.963133724	3460.59413	5.400864751	1.096143152	0.20870237
239093	32886	LY2003	0	0	1.07278418	93.00346724	0	0	0.075559398
239093	32886	LY2004	0	0	1.07278418	93.00346724	0	0	0.075559398
239093	32886	LY2005	0	0	1.07278418	93.00346724	0	0	0.075559398
239093	32886	LY2006	0	0	1.07278418	93.00346724	0	0	0.075559398
239093	32886	LY2007	0	0	1.07278418	93.00346724	0	0	0.075559398
239098	29849	LY2003	0	103.7096803	319.4560956	60.56039727	0	0.580774189	22.50024824
239098	29849	LY2004	0	103.7096803	319.4560956	60.56039727	0	0.580774189	22.50024824
239098	29849	LY2005	0	103.7096803	319.4560956	60.56039727	0	0.580774189	22.50024824
239098	29849	LY2006	0	103.7096803	319.4560956	60.56039727	0	0.580774189	22.50024824
239098	29849	LY2007	0	103.7096803	319.4560956	60.56039727	0	0.580774189	22.50024824
240215	63954	LY2003	376.8918648	31.21888479	1666.658181	2572.951736	24.38159294	0.174825749	117.3877203
240215	63954	LY2004	1333.542832	32.87276041	920.0104848	1552.653233	86.26850705	0.184087452	64.79909
240215	63954	LY2005	539.2866428	19.93249949	935.2756701	1642.232154	34.88710856	0.111621993	65.87426266
240215	63954	LY2006	12.87629399	0	296.4431447	532.0663475	0.832983113	0	20.87937728
240215	63954	LY2007	159.439665	13.75946645	988.0086361	1176.872363	10.31434577	0.077053009	69.58840316
240215	71700	LY2003	103.1913122	2.720747943	564.112891	101.294474	6.675571439	0.015236188	39.73215806
240215	71700	LY2004	47.50656759	0.920265704	241.8180268	137.7929277	3.073257614	0.005153488	17.03196685
240215	71700	LY2005	41.28921371	0.761330709	164.3782212	43.25742662	2.671049433	0.004263452	11.57764974
240215	71700	LY2006	30.23261547	0.198984162	102.0875268	60.56039727	1.95578465	0.001114311	7.190329837
240215	71700	LY2007	15.31312902	0	136.6934681	346.059413	0.990624934	0	9.627729782
240591	17451	LY2003	0	0	615.0034511	1806.898758	0	0	43.3165324
240591	17451	LY2004	157.9112359	0	993.9842891	5445.028576	10.21546983	0	70.00928628

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
240591	17451	LY2005	141.8032517	0	342.4230856	1662.707336	9.173424747	0	24.11788203
240591	17451	LY2006	114.5338682	57.80765194	209.6176244	574.3406508	7.40933518	0.323722839	14.76399621
240591	17451	LY2007	0	75.41539083	212.5569666	1726.266259	0	0.422326174	14.97102287
240591	91563	LY2003	672.2852959	117.6385717	2191.572634	0	43.49095312	0.658775978	154.3590151
240591	91563	LY2004	672.2852959	117.6385717	2191.572634	0	43.49095312	0.658775978	154.3590151
240591	91563	LY2005	672.2852959	117.6385717	2191.572634	0	43.49095312	0.658775978	154.3590151
240591	91563	LY2006	262.7888667	173.2459936	2117.234746	0	17.00013128	0.97017753	149.1231754
240591	91563	LY2007	1081.781725	62.03114978	2265.910521	0	69.98177497	0.347374426	159.5948549
240591	91564	LY2003	0	75.26792233	1044.666853	0	0	0.42150035	73.57901083
240591	91564	LY2004	0	75.26792233	1044.666853	0	0	0.42150035	73.57901083
240591	91564	LY2005	0	75.26792233	1044.666853	0	0	0.42150035	73.57901083
240591	91564	LY2006	0	75.26792233	1044.666853	0	0	0.42150035	73.57901083
240591	91564	LY2007	0	75.26792233	1044.666853	0	0	0.42150035	73.57901083
240591	91565	LY2003	0	0	600.1967944	0	0	0	42.27365529
240591	91565	LY2004	0	0	600.1967944	0	0	0	42.27365529
240591	91565	LY2005	0	0	600.1967944	0	0	0	42.27365529
240591	91565	LY2006	0	0	600.1967944	0	0	0	42.27365529
240591	91565	LY2007	0	0	600.1967944	0	0	0	42.27365529
240591	91566	LY2003	208.9395502	21.92070094	674.7718255	1458.007013	13.51655352	0.122755921	47.52619777
240591	91566	LY2004	208.9395502	21.92070094	674.7718255	1458.007013	13.51655352	0.122755921	47.52619777
240591	91566	LY2005	208.9395502	21.92070094	674.7718255	1458.007013	13.51655352	0.122755921	47.52619777
240591	91566	LY2006	0	43.84140188	350.39597	1346.387404	0	0.245511842	24.67943613
240591	91566	LY2007	417.8791005	0	999.1476809	1569.626623	27.03310705	0	70.37295941
240591	98583	LY2003	252.1907972	0	787.2130688	1868.72083	16.31452927	0	55.44577083
240591	98583	LY2004	252.1907972	0	787.2130688	1868.72083	16.31452927	0	55.44577083
240591	98583	LY2005	252.1907972	0	787.2130688	1868.72083	16.31452927	0	55.44577083
240591	98583	LY2006	252.1907972	0	787.2130688	1868.72083	16.31452927	0	55.44577083
240591	98583	LY2007	252.1907972	0	787.2130688	1868.72083	16.31452927	0	55.44577083
240591	98584	LY2003	0	0	0	951.6633857	0	0	0
240591	98584	LY2004	0	0	0	951.6633857	0	0	0
240591	98584	LY2005	0	0	0	951.6633857	0	0	0
240591	98584	LY2006	0	0	0	951.6633857	0	0	0
240591	98584	LY2007	0	0	0	951.6633857	0	0	0
240591	98585	LY2003	108.1435666	0	191.1978257	1038.178239	6.995938797	0	13.46663469
240591	98585	LY2004	108.1435666	0	191.1978257	1038.178239	6.995938797	0	13.46663469
240591	98585	LY2005	108.1435666	0	191.1978257	1038.178239	6.995938797	0	13.46663469
240591	98585	LY2006	108.1435666	0	191.1978257	1038.178239	6.995938797	0	13.46663469
240591	98585	LY2007	108.1435666	0	191.1978257	1038.178239	6.995938797	0	13.46663469
240591	98587	LY2003	66.83272413	0	117.4439133	778.6336792	4.323490176	0	8.271926063
240591	98587	LY2004	66.83272413	0	117.4439133	778.6336792	4.323490176	0	8.271926063
240591	98587	LY2005	66.83272413	0	117.4439133	778.6336792	4.323490176	0	8.271926063
240591	98587	LY2006	66.83272413	0	117.4439133	778.6336792	4.323490176	0	8.271926063
240591	98587	LY2007	66.83272413	0	117.4439133	778.6336792	4.323490176	0	8.271926063
240591	98589	LY2003	0	0	7.483534806	865.1485325	0	0	0.527087738
240591	98589	LY2004	0	0	7.483534806	865.1485325	0	0	0.527087738
240591	98589	LY2005	0	0	7.483534806	865.1485325	0	0	0.527087738
240591	98589	LY2006	0	0	7.483534806	865.1485325	0	0	0.527087738
240591	98589	LY2007	0	0	7.483534806	865.1485325	0	0	0.527087738
240591	99687	LY2003	0	0	309.2906004	0	0	0	21.78426201
240591	99687	LY2004	0	0	309.2906004	0	0	0	21.78426201
240591	99687	LY2005	0	0	309.2906004	0	0	0	21.78426201

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
240591	99687	LY2006	0	0	309.2906004	0	0	0	21.78426201
240591	99687	LY2007	0	0	309.2906004	0	0	0	21.78426201
240606	17451	LY2003	0	0	7.282387772	86.51485325	0	0	0.512920351
240606	17451	LY2004	0	0	7.282387772	86.51485325	0	0	0.512920351
240606	17451	LY2005	0	0	13.28868146	0	0	0	0.935961579
240606	17451	LY2006	0	0	7.282387772	86.51485325	0	0	0.512920351
240606	17451	LY2007	0	0	1.276094085	173.0297065	0	0	0.089879123
240705	47344	LY2003	13.92889137	14.27495079	0.493134664	147.0752505	0.901076917	0.079939722	0.034732949
240705	47344	LY2004	13.92889137	14.27495079	0.493134664	147.0752505	0.901076917	0.079939722	0.034732949
240705	47344	LY2005	13.92889137	14.27495079	0.493134664	147.0752505	0.901076917	0.079939722	0.034732949
240705	47344	LY2006	13.92889137	14.27495079	0.493134664	147.0752505	0.901076917	0.079939722	0.034732949
240705	47344	LY2007	13.92889137	14.27495079	0.493134664	147.0752505	0.901076917	0.079939722	0.034732949
240705	47345	LY2003	25.45699557	126.5712303	11.1733933	75.70049659	1.646843993	0.708798864	0.786975507
240705	47345	LY2004	25.45699557	126.5712303	11.1733933	75.70049659	1.646843993	0.708798864	0.786975507
240705	47345	LY2005	25.45699557	126.5712303	11.1733933	75.70049659	1.646843993	0.708798864	0.786975507
240705	47345	LY2006	25.45699557	126.5712303	11.1733933	75.70049659	1.646843993	0.708798864	0.786975507
240705	47345	LY2007	25.45699557	126.5712303	11.1733933	75.70049659	1.646843993	0.708798864	0.786975507
240834	54467	LY2003	0	545.4121287	1298.561993	5964.622366	0	3.054307812	91.46160488
240834	54467	LY2004	5.234148622	18.0383469	3.438965417	86.51485325	0.338603438	0.101014739	0.24221662
240834	54467	LY2005	1.744716207	187.8168252	457.6015714	2017.04574	0.112867813	1.051774184	32.23024726
240834	54467	LY2006	0	0	70.8037559	0	0	0	4.986920287
240834	54467	LY2007	1.744716207	187.8168252	457.6015714	2017.04574	0.112867813	1.051774184	32.23024726
240858	24502	LY2003	0	1149.7824	3968.003744	40402.43647	0	6.438781209	279.4783712
240858	24502	LY2004	0	1796.264641	3054.277996	66513.20905	0	10.05908163	215.1219339
240858	24502	LY2005	0	836.1900885	3966.826181	24550.9928	0	4.682664329	279.3954319
240858	24502	LY2006	0	1226.708523	6459.487326	41815.5124	0	6.869567486	454.9610114
240858	24502	LY2007	0	4445.565734	11973.39614	54702.62075	0	24.89516722	843.3221004
240903	26565	LY2003	0	8.348683338	1.643782212	0	0	0.046752625	0.115776497
240903	26565	LY2004	0	8.348683338	1.643782212	0	0	0.046752625	0.115776497
240903	26565	LY2005	0	8.348683338	1.643782212	0	0	0.046752625	0.115776497
240903	26565	LY2006	0	8.348683338	1.643782212	0	0	0.046752625	0.115776497
240903	26565	LY2007	0	8.348683338	1.643782212	0	0	0.046752625	0.115776497
242342	82446	LY2003	187.5130139	41.29209754	666.5076898	1977.253714	12.13044484	0.231235738	46.94412998
242342	82446	LY2004	187.5130139	41.29209754	666.5076898	1977.253714	12.13044484	0.231235738	46.94412998
242342	82446	LY2005	29.78273823	0	283.997983	102.606616	1.926681545	0	20.00282732
242342	82446	LY2006	145.386048	0	1282.291144	1699.151718	9.405200199	0	90.31560036
242342	82446	LY2007	387.3702554	123.8762926	433.233942	4130.002807	25.05945277	0.693707214	30.51396225
242404	88770	LY2003	0	52.85516816	153.1448082	1228.781275	0	0.295988931	10.78644687
242404	88770	LY2004	0	52.85516816	153.1448082	1228.781275	0	0.295988931	10.78644687
242404	88770	LY2005	0	52.85516816	153.1448082	1228.781275	0	0.295988931	10.78644687
242404	88770	LY2006	0	45.4851841	82.56761307	1492.381219	0	0.254717022	5.815483931
242404	88770	LY2007	0	60.22515222	223.7220033	965.1813315	0	0.33726084	15.7574098
242413	90592	LY2003	0	43.05916342	154.5212956	1217.876799	0	0.241131307	10.88339699
242413	90592	LY2004	0	43.05916342	154.5212956	1217.876799	0	0.241131307	10.88339699
242413	90592	LY2005	0	43.05916342	154.5212956	1217.876799	0	0.241131307	10.88339699
242413	90592	LY2006	0	0	151.6576539	1366.934681	0	0	10.68170214
242413	90592	LY2007	0	86.11832684	157.3849372	1068.818916	0	0.482262613	11.08509183
242489	82583	LY2003	0	0	21.15288162	155.7267358	0	0	1.489860716
242489	82583	LY2004	0	0	21.15288162	155.7267358	0	0	1.489860716
242489	82583	LY2005	0	0	21.15288162	155.7267358	0	0	1.489860716
242489	82583	LY2006	0	0	21.15288162	155.7267358	0	0	1.489860716



**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
242489	82583	LY2007	0	0	21.15288162	155.7267358	0	0	1.489860716
242625	33004	LY2003	0	0	0.960314871	103.8178239	0	0	0.067637848
242625	33004	LY2004	0	0	0.960314871	103.8178239	0	0	0.067637848
242625	33004	LY2005	0	0	0.752679223	77.86336792	0	0	0.053013449
242625	33004	LY2006	0	0	1.167950519	129.7722799	0	0	0.082262248
242625	33004	LY2007	0	0	0.960314871	103.8178239	0	0	0.067637848
242625	33005	LY2003	223.2804171	0	902.6743501	5897.429163	14.44428164	0	63.57805418
242625	33005	LY2004	565.8071402	0	1955.235683	1730.297065	36.60275178	0	137.7130969
242625	33005	LY2005	0	0	441.2257516	12458.13887	0	0	31.0768493
242625	33005	LY2006	104.034111	0	311.5616153	3503.851557	6.730093122	0	21.94421638
242625	33005	LY2007	223.2804171	0	902.6743501	5897.429163	14.44428164	0	63.57805418
242625	74850	LY2003	2397.614966	95.51239799	3689.858491	2451.254175	155.1046271	0.53486941	259.8877691
242625	74850	LY2004	2397.614966	95.51239799	3689.858491	2451.254175	155.1046271	0.53486941	259.8877691
242625	74850	LY2005	2397.614966	95.51239799	3689.858491	2451.254175	155.1046271	0.53486941	259.8877691
242625	74850	LY2006	2397.614966	95.51239799	3689.858491	2451.254175	155.1046271	0.53486941	259.8877691
242625	74850	LY2007	2397.614966	95.51239799	3689.858491	2451.254175	155.1046271	0.53486941	259.8877691
244691	55311	LY2003	241.9072878	1320.773108	2796.264661	1103.890203	15.64927655	7.396329143	196.9492831
244691	55311	LY2004	281.7504713	1718.513742	2770.361328	805.5037507	18.22678053	9.623676612	195.1248339
244691	55311	LY2005	261.8288796	1519.643425	2783.312995	954.6969766	16.93802854	8.510002877	196.0370585
244691	55311	LY2006	261.8288796	1519.643425	2783.312995	954.6969766	16.93802854	8.510002877	196.0370585
244691	55311	LY2007	261.8288796	1519.643425	2783.312995	954.6969766	16.93802854	8.510002877	196.0370585
244778	56556	LY2003	0	14.57775277	29.02573326	173.0297065	0	0.081635413	2.044369204
244778	56556	LY2004	0	14.57775277	29.02573326	173.0297065	0	0.081635413	2.044369204
244778	56556	LY2005	0	14.57775277	29.02573326	173.0297065	0	0.081635413	2.044369204
244778	56556	LY2006	0	14.57775277	29.02573326	173.0297065	0	0.081635413	2.044369204
244778	56556	LY2007	0	14.57775277	29.02573326	173.0297065	0	0.081635413	2.044369204
246601	92744	LY2003	61.85812007	121.618255	452.0401082	3417.336703	4.001676992	0.681062203	31.83853678
246601	92744	LY2004	61.85812007	121.618255	452.0401082	3417.336703	4.001676992	0.681062203	31.83853678
246601	92744	LY2005	61.85812007	121.618255	452.0401082	3417.336703	4.001676992	0.681062203	31.83853678
246601	92744	LY2006	0	157.8030923	545.0435755	2076.356478	0	0.883697286	38.38904913
246601	92744	LY2007	123.7162401	85.43341758	359.036641	4758.316929	8.003353983	0.478427121	25.28802443
246683	28935	LY2003	0	46.00427321	168.0551024	394.7240179	0	0.257623921	11.83662348
246683	28935	LY2004	0	279.1185453	914.5701424	3028.019864	0	1.563063798	64.41591042
246683	28935	LY2005	0	0	52.25497136	865.1485325	0	0	3.680473917
246683	28935	LY2006	0	108.3742728	378.2934054	1429.297471	0	0.606895906	26.64433594
246683	28935	LY2007	0	108.3742728	378.2934054	1429.297471	0	0.606895906	26.64433594
247246	72965	LY2003	26.78716144	16.1674632	127.9068033	608.3075619	1.73289404	0.090537791	9.008858702
247246	72965	LY2004	47.31929898	12.46895322	133.7485025	907.5408106	3.06114298	0.069826136	9.420307047
247246	72965	LY2005	56.91163334	21.82337173	201.3097899	155.9970948	3.681682751	0.122210877	14.17885058
247246	72965	LY2006	34.77031952	17.62956422	112.463902	133.1247304	2.249334242	0.098725556	7.921168977
247246	72965	LY2007	60.68707974	20.59053507	169.0407538	633.4123184	3.925920969	0.115306992	11.90604586
247251	24154	LY2003	0	0	11.16275918	100.9339955	0	0	0.786226514
247251	24154	LY2004	4.606915935	3.045322834	10.87005059	236.9245304	0.298026993	0.017053807	0.765610173
247251	24154	LY2005	0	0	0.921383187	74.61906093	0	0	0.064895774
247251	24154	LY2006	1.535638645	1.015107611	7.651397653	137.4925289	0.099342331	0.005684602	0.53891082
247251	24154	LY2007	1.535638645	1.015107611	7.651397653	137.4925289	0.099342331	0.005684602	0.53891082
247262	71083	LY2003	185.5743602	236.1855494	4.369000089	3287.564423	12.00503098	1.322639029	0.307721743
247262	71083	LY2004	185.5743602	236.1855494	4.369000089	3287.564423	12.00503098	1.322639029	0.307721743
247262	71083	LY2005	185.5743602	236.1855494	4.369000089	3287.564423	12.00503098	1.322639029	0.307721743
247262	71083	LY2006	185.5743602	236.1855494	4.369000089	3287.564423	12.00503098	1.322639029	0.307721743
247262	71083	LY2007	185.5743602	236.1855494	4.369000089	3287.564423	12.00503098	1.322639029	0.307721743

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
247276	23922	LY2003	5429.888477	0	15.59970948	2095.281602	351.266087	0	1.098734194
247276	23922	LY2004	5159.890039	0	9.048011736	1175.16009	333.7995598	0	0.637278527
247276	23922	LY2005	536.5651198	0	8.554156115	421.7599096	34.71104993	0	0.602494799
247276	23922	LY2006	1567.9952	0	16.03552805	2275.34064	101.4355158	0	1.129430199
247276	23922	LY2007	835.084621	0	26.88449065	1598.361914	54.02263939	0	1.893555082
248092	23496	LY2003	1415.355963	0	388.4922449	10476.40801	91.56109799	0	27.36267071
248092	23496	LY2004	351.6720641	0	61.93382057	5284.165021	22.75009337	0	4.362184214
248092	23496	LY2005	89.59694489	0	38.30985845	1900.623182	5.796135293	0	2.698277908
248092	23496	LY2006	352.9412763	0	309.3161616	0	22.83220025	0	21.78606236
248092	23496	LY2007	953.0692521	162.4893135	308.9914032	13236.77255	61.65520862	0.909940123	21.76318865
248119	14349	LY2003	0	0	31.57792144	0	0	0	2.22412745
248119	14349	LY2004	0	0	31.57792144	0	0	0	2.22412745
248119	14349	LY2005	0	0	31.57792144	0	0	0	2.22412745
248119	14349	LY2006	0	0	31.57792144	0	0	0	2.22412745
248119	14349	LY2007	0	0	31.57792144	0	0	0	2.22412745
248296	47338	LY2003	84.78455618	240.511292	64.19402111	216.2871331	5.484816017	1.346863187	4.521376898
248296	47338	LY2004	84.78455618	240.511292	64.19402111	216.2871331	5.484816017	1.346863187	4.521376898
248296	47338	LY2005	169.5691124	294.150501	73.75391239	432.5742662	10.96963203	1.647242747	5.194708632
248296	47338	LY2006	84.78455618	240.511292	64.19402111	216.2871331	5.484816017	1.346863187	4.521376898
248296	47338	LY2007	0	186.872083	54.63412983	0	0	1.046483628	3.848045163
248296	47340	LY2003	77.43079366	674.8158553	11.93904975	8911.029885	5.009092178	3.778968655	0.840902981
248296	47340	LY2004	77.43079366	674.8158553	11.93904975	8911.029885	5.009092178	3.778968655	0.840902981
248296	47340	LY2005	77.43079366	674.8158553	11.93904975	8911.029885	5.009092178	3.778968655	0.840902981
248296	47340	LY2006	77.43079366	674.8158553	11.93904975	8911.029885	5.009092178	3.778968655	0.840902981
248296	47340	LY2007	77.43079366	674.8158553	11.93904975	8911.029885	5.009092178	3.778968655	0.840902981
251033	72108	LY2003	106.1969824	463.2351302	41.79748848	581.8123881	6.870011898	2.594116637	2.943922121
251033	72108	LY2004	140.327092	0	135.6552899	103.8178239	9.077930183	0	9.554607784
251033	72108	LY2005	89.22565198	155.6892461	60.41115915	251.6140315	5.772115903	0.871859747	4.254938616
251033	72108	LY2006	21.15288162	3.832607999	3.780699087	69.2118826	1.368405629	0.021462604	0.266285944
251033	72108	LY2007	89.22565198	155.6892461	60.41115915	251.6140315	5.772115903	0.871859747	4.254938616
252923	69288	LY2003	74.4800192	1154.181268	1861.779043	13672.8486	4.818202991	6.46341487	131.1306662
252923	69288	LY2004	74.4800192	1154.181268	1861.779043	13672.8486	4.818202991	6.46341487	131.1306662
252923	69288	LY2005	74.4800192	1154.181268	1861.779043	13672.8486	4.818202991	6.46341487	131.1306662
252923	69288	LY2006	74.4800192	1154.181268	1861.779043	13672.8486	4.818202991	6.46341487	131.1306662
252923	69288	LY2007	74.4800192	1154.181268	1861.779043	13672.8486	4.818202991	6.46341487	131.1306662
253466	20945	LY2003	133.9006605	356.846193	2152.496308	8247.569104	8.66219652	1.99833861	151.6067526
253466	20945	LY2004	0	145.7157314	3045.786307	12686.78527	0	0.816008067	214.5238389
253466	20945	LY2005	0	171.3457567	1357.514141	3202.594478	0	0.959536203	95.61378097
253466	20945	LY2006	0	0	174.1975993	6651.290756	0	0	12.26925791
253466	20945	LY2007	103.5398949	0	360.0071646	2634.290767	6.698121682	0	25.35638131
253823	40828	LY2003	49.96232775	0	469.6458809	0	3.232123724	0	33.078564
253823	40828	LY2004	49.96232775	0	469.6458809	0	3.232123724	0	33.078564
253823	40828	LY2005	49.96232775	0	469.6458809	0	3.232123724	0	33.078564
253823	40828	LY2006	49.96232775	0	469.6458809	0	3.232123724	0	33.078564
253823	40828	LY2007	49.96232775	0	469.6458809	0	3.232123724	0	33.078564
253919	6231	LY2003	0	723.4804603	4239.227809	10814.35666	0	4.051490433	298.5814932
253919	6231	LY2004	0	723.4804603	4239.227809	10814.35666	0	4.051490433	298.5814932
253919	6231	LY2005	0	723.4804603	4239.227809	10814.35666	0	4.051490433	298.5814932
253919	6231	LY2006	0	723.4804603	4239.227809	10814.35666	0	4.051490433	298.5814932
253919	6231	LY2007	0	723.4804603	4239.227809	10814.35666	0	4.051490433	298.5814932
253919	6236	LY2003	30.67730181	8976.201523	1674.074522	4661.195354	1.98455195	50.26672674	117.9100754

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
253919	6236	LY2004	79.49273099	9003.312395	1950.188984	3607.66938	5.142481411	50.41854761	137.3576427
253919	6236	LY2005	55.0850164	8989.756959	1812.131753	4134.432367	3.563516681	50.34263718	127.6338591
253919	6236	LY2006	55.0850164	8989.756959	1812.131753	4134.432367	3.563516681	50.34263718	127.6338591
253919	6236	LY2007	55.0850164	8989.756959	1812.131753	4134.432367	3.563516681	50.34263718	127.6338591
253919	79573	LY2003	321.7271105	402.8347854	74.79209063	1808.160433	20.81291792	2.255874718	5.267830631
253919	79573	LY2004	321.7271105	402.8347854	74.79209063	1808.160433	20.81291792	2.255874718	5.267830631
253919	79573	LY2005	321.7271105	402.8347854	74.79209063	1808.160433	20.81291792	2.255874718	5.267830631
253919	79573	LY2006	321.7271105	402.8347854	74.79209063	1808.160433	20.81291792	2.255874718	5.267830631
253919	79573	LY2007	321.7271105	402.8347854	74.79209063	1808.160433	20.81291792	2.255874718	5.267830631
254757	13041	LY2003	142.6413643	15.81924092	751.8357034	181.6811918	9.227643273	0.088587746	52.95403718
254757	13041	LY2004	118.6334925	0	689.5233804	1211.207945	7.67454486	0	48.5651939
254757	13041	LY2005	18.56608751	0	92.4411207	266.0331737	1.201062773	0	6.510904603
254757	13041	LY2006	0	0	41.26325926	0	0	0	2.906294759
254757	13041	LY2007	21.89907223	0	13.72990721	0	1.416677606	0	0.967038428
254770	62754	LY2003	2.049320586	0	1.94117702	0	0.13257304	0	0.136722903
254770	62754	LY2004	2.049320586	0	1.94117702	0	0.13257304	0	0.136722903
254770	62754	LY2005	2.049320586	0	1.94117702	0	0.13257304	0	0.136722903
254770	62754	LY2006	2.049320586	0	1.94117702	0	0.13257304	0	0.136722903
254770	62754	LY2007	2.049320586	0	1.94117702	0	0.13257304	0	0.136722903
254775	40823	LY2003	66.02164738	78.36082833	533.9696742	545.0435755	4.271020635	0.438820623	37.60908115
254775	40823	LY2004	66.02164738	78.36082833	533.9696742	545.0435755	4.271020635	0.438820623	37.60908115
254775	40823	LY2005	66.02164738	78.36082833	533.9696742	545.0435755	4.271020635	0.438820623	37.60908115
254775	40823	LY2006	0	6.618386273	44.90120884	116.7950519	0	0.037062962	3.162526428
254775	40823	LY2007	132.0432948	150.1032704	1023.03814	973.292099	8.542041271	0.840578284	72.05563587
254793	95443	LY2003	0	0	14.01540623	5017.861488	0	0	0.987146978
254793	95443	LY2004	0	0	14.01540623	5017.861488	0	0	0.987146978
254793	95443	LY2005	0	0	14.01540623	5017.861488	0	0	0.987146978
254793	95443	LY2006	0	0	14.01540623	5017.861488	0	0	0.987146978
254793	95443	LY2007	0	0	14.01540623	5017.861488	0	0	0.987146978
257174	16885	LY2003	0	127.1768343	173.5704243	9084.059591	0	0.712190247	12.2250841
257174	16885	LY2004	69.5363133	120.6882203	263.0592257	14274.95079	4.498388646	0.675854009	18.52804802
257174	16885	LY2005	139.0726266	114.1996063	352.548027	19465.84198	8.996777293	0.639517772	24.83101194
257174	16885	LY2006	69.5363133	120.6882203	263.0592257	14274.95079	4.498388646	0.675854009	18.52804802
257174	16885	LY2007	69.5363133	120.6882203	263.0592257	14274.95079	4.498388646	0.675854009	18.52804802
258320	9835	LY2003	0	11.46538093	81.95227617	343.3558238	0	0.064206131	5.772143913
258320	9835	LY2004	0	0	343.8965417	385.7120541	0	0	24.22166195
258320	9835	LY2005	0	0	16.0917627	69.2118826	0	0	1.133390974
258320	9835	LY2006	0	3.821793642	147.3135268	266.0932535	0	0.021402044	10.37573228
258320	9835	LY2007	0	3.821793642	147.3135268	266.0932535	0	0.021402044	10.37573228
259728	49780	LY2003	123.499953	0	74.40277379	0	7.989362106	0	5.240409881
259728	49780	LY2004	0	0	880.2886318	10706.21309	0	0	62.0013611
259728	49780	LY2005	41.166651	0	318.2304685	3568.737696	2.663120702	0	22.41392366
259728	49780	LY2006	0	0	0	0	0	0	0
259728	49780	LY2007	41.166651	0	318.2304685	3568.737696	2.663120702	0	22.41392366
259728	49781	LY2003	0	0	0.105259738	0	0	0	0.007413758
259728	49781	LY2004	5.569393678	5.814519095	0.428729162	64.16518283	0.360290848	0.032561306	0.030196677
259728	49781	LY2005	0	0	0.142749508	0	0	0	0.010054275
259728	49781	LY2006	16.70818103	17.44355729	1.038178239	192.4955485	1.080872544	0.097683917	0.073121998
259728	49781	LY2007	5.569393678	5.814519095	0.428729162	64.16518283	0.360290848	0.032561306	0.030196677
259938	66877	LY2003	42.98706771	36.16320866	14.24358915	166.5410925	2.780885672	0.202513961	1.003218584
259938	66877	LY2004	0	11.19285914	5.105457777	269.2774807	0	0.062680009	0.359592661

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
259938	66877	LY2005	0	4.252205037	8.911029885	0	0	0.023812347	0.627630486
259938	66877	LY2006	0	0	12.16615124	405.5383746	0	0	0.856898418
259938	66877	LY2007	53.74735258	40.30150247	15.42055163	149.2381219	3.476981582	0.225688406	1.086115571
259938	80390	LY2003	7.384403203	32.28812427	5.185544096	1113.998895	0.477706021	0.180813489	0.36523338
259938	80390	LY2004	7.384403203	32.28812427	5.185544096	1113.998895	0.477706021	0.180813489	0.36523338
259938	80390	LY2005	0	66.18386273	10.64132695	1557.267358	0	0.370629618	0.749500483
259938	80390	LY2006	0	19.42979413	4.350255204	1614.943927	0	0.108806843	0.306401485
259938	80390	LY2007	22.15320961	11.25071595	0.565050135	169.7853995	1.433118063	0.063004007	0.039798171
260413	23628	LY2003	0	0	874.989597	13396.28431	0	0	61.62813423
260413	23628	LY2004	0	0	1037.598196	11645.09587	0	0	73.0811442
260413	23628	LY2005	0	0	1184.280197	11012.61986	0	0	83.41239624
260413	23628	LY2006	0	0	1032.28933	12018.00001	0	0	72.70722489
260413	23628	LY2007	0	0	1032.28933	12018.00001	0	0	72.70722489
260413	24490	LY2003	0	779.2825406	751.3506023	23853.38097	0	4.363982072	52.91987005
260413	24490	LY2004	0	504.7781208	784.0889214	28646.02919	0	2.826757376	55.22572778
260413	24490	LY2005	0	1732.382691	889.8207147	15495.61357	0	9.701342723	62.67273421
260413	24490	LY2006	0	306.7492265	666.4888007	15680.81715	0	1.717795607	46.94279956
260413	24490	LY2007	0	830.7981447	772.9372598	20918.96022	0	4.652469445	54.4402829
260413	83823	LY2003	0	0	2.329652743	75.80864016	0	0	0.16408441
260413	83823	LY2004	0	0	2.329652743	75.80864016	0	0	0.16408441
260413	83823	LY2005	0	0	1.903326771	27.57660947	0	0	0.134056997
260413	83823	LY2006	0	0	1.05548121	158.7547557	0	0	0.074340698
260413	83823	LY2007	0	0	4.030150247	41.09455529	0	0	0.283855535
260413	83824	LY2003	11.03304698	15.07332496	130.020986	369.0792302	0.713741223	0.084410617	9.157766912
260413	83824	LY2004	11.03304698	15.07332496	130.020986	369.0792302	0.713741223	0.084410617	9.157766912
260413	83824	LY2005	0	18.94675286	64.0209914	519.0891195	0	0.106101812	4.509189898
260413	83824	LY2006	33.09914094	13.34203229	190.2536602	443.9005024	2.141223668	0.074715378	13.4001343
260413	83824	LY2007	0	12.93118973	135.7883065	144.2480687	0	0.07241466	9.56397654
260413	83825	LY2003	0	736.383954	1120.35943	10386.75262	0	4.123749995	78.91026541
260413	83825	LY2004	0	736.383954	1120.35943	10386.75262	0	4.123749995	78.91026541
260413	83825	LY2005	0	0	66.72458057	0	0	0	4.699611769
260413	83825	LY2006	0	1478.912429	2214.819568	13307.55743	0	8.281909306	155.9963662
260413	83825	LY2007	0	730.2394332	1079.534141	17852.70045	0	4.08934068	76.03481823
260413	83826	LY2003	0	58.20090128	65.11061976	3849.747116	0	0.325925036	4.585935682
260413	83826	LY2004	0	58.20090128	65.11061976	3849.747116	0	0.325925036	4.585935682
260413	83826	LY2005	0	0	31.95642392	2189.907223	0	0	2.250786512
260413	83826	LY2006	0	174.6027038	111.6238232	7815.830492	0	0.977775107	7.861999708
260413	83826	LY2007	0	0	51.75161222	1543.503632	0	0	3.645020827
260413	83827	LY2003	63.98494355	45.33919028	736.5522138	1758.484485	4.139263788	0.253899457	51.87757529
260413	83827	LY2004	63.98494355	45.33919028	736.5522138	1758.484485	4.139263788	0.253899457	51.87757529
260413	83827	LY2005	0	0	0	216.2871331	0	0	0
260413	83827	LY2006	0	0	558.9099839	3497.843581	0	0	39.36570175
260413	83827	LY2007	191.9548306	136.0175708	1650.746657	1561.322742	12.41779136	0.76169837	116.2670241
260413	83828	LY2003	12.50757593	7.8769714	10.10411091	342.7636091	0.809130293	0.044111038	0.711662751
260413	83828	LY2004	12.50757593	7.8769714	10.10411091	342.7636091	0.809130293	0.044111038	0.711662751
260413	83828	LY2005	0	0	0	0	0	0	0
260413	83828	LY2006	37.52272778	23.6309142	10.60424916	608.6937889	2.427390878	0.132333115	0.746888983
260413	83828	LY2007	0	0	19.70808357	419.5970383	0	0	1.388099269
260413	83829	LY2003	0	1311.579594	846.7713357	12215.26644	0	7.344845467	59.64063769
260413	83829	LY2004	0	1311.579594	846.7713357	12215.26644	0	7.344845467	59.64063769
260413	83829	LY2005	0	1311.579594	846.7713357	12215.26644	0	7.344845467	59.64063769

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
260413	83829	LY2006	0	341.1496951	420.9812759	10295.26754	0	1.910438224	29.65097033
260413	83829	LY2007	0	2282.009494	1272.561396	14135.26535	0	12.77925271	89.63030505
260413	83830	LY2003	3.951874904	6.863470493	116.646339	115.9608015	0.255651592	0.038435433	8.215750523
260413	83830	LY2004	3.951874904	6.863470493	116.646339	115.9608015	0.255651592	0.038435433	8.215750523
260413	83830	LY2005	3.951874904	6.863470493	116.646339	115.9608015	0.255651592	0.038435433	8.215750523
260413	83830	LY2006	7.903749807	4.004401779	193.5862536	185.8524437	0.511303184	0.022424649	13.63485882
260413	83830	LY2007	0	9.722539208	39.70642447	46.06915935	0	0.054446218	2.796642229
260413	83831	LY2003	14.11363663	103.3054938	176.6705399	963.3789388	0.913028312	0.578510744	12.44343451
260413	83831	LY2004	14.11363663	103.3054938	176.6705399	963.3789388	0.913028312	0.578510744	12.44343451
260413	83831	LY2005	14.11363663	103.3054938	176.6705399	963.3789388	0.913028312	0.578510744	12.44343451
260413	83831	LY2006	28.22727326	69.8093758	76.56564512	758.8073587	1.826056625	0.390932491	5.392747378
260413	83831	LY2007	0	136.8016117	276.7754347	1167.950519	0	0.766088998	19.49412164
260423	24490	LY2003	0	1114.970986	734.7165769	23899.72821	0	6.243837297	51.74828589
260423	24490	LY2004	0	1276.880584	1862.763103	42982.15209	0	7.150531016	131.1999765
260423	24490	LY2005	0	2004.495078	1003.437118	20700.46301	0	11.22517204	70.67507731
260423	24490	LY2006	0	1465.448883	1200.305599	29194.11444	0	8.20651345	84.54111322
260423	24490	LY2007	0	1465.448883	1200.305599	29194.11444	0	8.20651345	84.54111322
261292	23211	LY2003	0	72.43888662	813.8668532	509.3561985	0	0.405657751	57.32307658
261292	23211	LY2004	0	36.21944331	618.8948171	254.6780992	0	0.202828875	43.59061295
261292	23211	LY2005	0	0	423.9227809	0	0	0	29.85814932
261292	23211	LY2006	0	36.21944331	618.8948171	254.6780992	0	0.202828875	43.59061295
261292	23211	LY2007	0	36.21944331	618.8948171	254.6780992	0	0.202828875	43.59061295
261292	23213	LY2003	0	26.59250302	594.5235829	320.104957	0	0.148918012	41.87407404
261292	23213	LY2004	0	13.29625151	298.6287261	211.9613905	0	0.074459006	21.03331432
261292	23213	LY2005	0	0	2.733869363	103.8178239	0	0	0.192554596
261292	23213	LY2006	0	13.29625151	298.6287261	211.9613905	0	0.074459006	21.03331432
261292	23213	LY2007	0	13.29625151	298.6287261	211.9613905	0	0.074459006	21.03331432
262109	19276	LY2003	274.2520848	552.3108231	69.16862517	3201.04957	17.74170079	3.092940499	4.87175314
262109	19276	LY2004	25.57955828	60.74784612	46.58824847	755.5630517	1.654772723	0.340187926	3.281349676
262109	19276	LY2005	0	73.75391239	69.29839745	1211.207945	0	0.413021895	4.880893389
262109	19276	LY2006	0	370.7449845	102.3146283	1124.693092	0	2.076171839	7.206325274
262109	19276	LY2007	0	352.9806013	231.8598067	6921.18826	0	1.976691297	16.33057963
262460	19287	LY2003	60.21433786	432.5742662	13.40980225	7267.247673	3.895338722	2.422415805	0.944492479
262460	19287	LY2004	60.21433786	432.5742662	13.40980225	7267.247673	3.895338722	2.422415805	0.944492479
262460	19287	LY2005	60.21433786	432.5742662	13.40980225	7267.247673	3.895338722	2.422415805	0.944492479
262460	19287	LY2006	60.21433786	432.5742662	13.40980225	7267.247673	3.895338722	2.422415805	0.944492479
262460	19287	LY2007	60.21433786	432.5742662	13.40980225	7267.247673	3.895338722	2.422415805	0.944492479
263929	23034	LY2003	0	71.37475393	189.9051496	501.7861488	0	0.399698608	13.37558765
263929	23034	LY2004	0	71.37475393	189.9051496	501.7861488	0	0.399698608	13.37558765
263929	23034	LY2005	0	71.37475393	189.9051496	501.7861488	0	0.399698608	13.37558765
263929	23034	LY2006	0	0	41.75783583	198.9841625	0	0	2.941129267
263929	23034	LY2007	0	142.7495079	338.0524633	804.5881352	0	0.799397216	23.81004604
264369	18740	LY2003	0	337.9846934	214.4414829	5998.363159	0	1.892714215	15.10375499
264369	18740	LY2004	0	337.9846934	214.4414829	5998.363159	0	1.892714215	15.10375499
264369	18740	LY2005	0	337.9846934	214.4414829	5998.363159	0	1.892714215	15.10375499
264369	18740	LY2006	0	337.9846934	214.4414829	5998.363159	0	1.892714215	15.10375499
264369	18740	LY2007	0	337.9846934	214.4414829	5998.363159	0	1.892714215	15.10375499
264726	55808	LY2003	0	36201.05891	3064.788676	123013.307	0	202.7259226	215.8622326
264726	55808	LY2004	0	36201.05891	3064.788676	123013.307	0	202.7259226	215.8622326
264726	55808	LY2005	0	36201.05891	3064.788676	123013.307	0	202.7259226	215.8622326
264726	55808	LY2006	0	36201.05891	3064.788676	123013.307	0	202.7259226	215.8622326

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
264726	55808	LY2007	0	36201.05891	3064.788676	123013.307	0	202.7259226	215.8622326
265379	19630	LY2003	477.9945642	326.593571	12.76094085	865.1485325	30.92204948	1.828923932	0.89879123
265379	19630	LY2004	477.9945642	326.593571	12.76094085	865.1485325	30.92204948	1.828923932	0.89879123
265379	19630	LY2005	477.9945642	326.593571	12.76094085	865.1485325	30.92204948	1.828923932	0.89879123
265379	19630	LY2006	477.9945642	326.593571	12.76094085	865.1485325	30.92204948	1.828923932	0.89879123
265379	19630	LY2007	477.9945642	326.593571	12.76094085	865.1485325	30.92204948	1.828923932	0.89879123
265538	8968	LY2003	649.9341835	0	2281.44955	521.9729479	42.04503249	0	160.6893152
265538	8968	LY2004	405.6393086	0	1667.069126	0	26.24130003	0	117.4166644
265538	8968	LY2005	43.41006354	27.52099278	193.6851277	827.9162474	2.808249787	0.154117554	13.64182282
265538	8968	LY2006	206.0783804	52.4442226	1257.35605	1578.355354	13.33146097	0.293687636	88.55934706
265538	8968	LY2007	85.89086487	18.39240894	550.4068475	129.988567	5.55638447	0.102997486	38.76680042
265538	54171	LY2003	269.0503792	0	414.4061471	0	17.40519613	0	29.18786434
265538	54171	LY2004	522.0306245	0	805.4532837	0	33.77079576	0	56.73048371
265538	54171	LY2005	16.07013399	0	23.35901038	0	1.039596505	0	1.645244963
265538	54171	LY2006	269.0503792	0	414.4061471	0	17.40519613	0	29.18786434
265538	54171	LY2007	269.0503792	0	414.4061471	0	17.40519613	0	29.18786434
266019	47090	LY2003	0	0	0	302.8019864	0	0	0
266019	47090	LY2004	0	0	0	302.8019864	0	0	0
266019	47090	LY2005	0	0	0	302.8019864	0	0	0
266019	47090	LY2006	0	0	0	302.8019864	0	0	0
266019	47090	LY2007	0	0	0	302.8019864	0	0	0
267724	55394	LY2003	0	2424.06508	0	18364.1294	0	13.57476397	0
267724	55394	LY2004	0	2346.042501	0	31277.52264	0	13.13783754	0
267724	55394	LY2005	0	4525.880356	247.252241	29108.64333	0	25.34492909	17.41471481
267724	55394	LY2006	0	1596.523473	0	11301.00271	0	8.940531131	0
267724	55394	LY2007	0	2723.127853	61.81306025	22512.82452	0	15.24951543	4.353678703
267724	55397	LY2003	0	43560.22861	1043.801704	49313.46635	0	243.9372715	73.51807583
267724	55397	LY2004	0	32094.84768	702.7168955	57532.37741	0	179.7311406	49.49445263
267724	55397	LY2005	0	25684.09706	604.0899628	98626.9327	0	143.8309384	42.54786279
267724	55397	LY2006	0	33779.72445	783.5361876	68490.92549	0	189.1664502	55.18679708
267724	55397	LY2007	0	33779.72445	783.5361876	68490.92549	0	189.1664502	55.18679708
267902	58687	LY2003	4258.152933	2786.85971	293.3394243	63534.34535	275.4650901	15.60641382	20.66077297
267902	58687	LY2004	0	2257.226593	220.6128758	69347.06206	0	12.64046847	15.53842465
267902	58687	LY2005	9084.059591	19003.75997	14216.08979	34296.95968	587.6588589	106.421052	1001.281721
267902	58687	LY2006	0	2056.890636	678.0601623	19465.84198	0	11.51858715	47.75780517
267902	58687	LY2007	3335.553131	6526.184227	3852.025562	46661.05227	215.7809873	36.54663037	271.309681
268905	19587	LY2003	0	1360.446067	1133.344578	17627.40135	0	7.618497705	79.82484819
268905	19587	LY2004	0	97.3292099	34.38965417	5190.891195	0	0.545043556	2.422166195
268905	19587	LY2005	0	580.7309524	55.15321895	10814.35666	0	3.252093218	3.884606162
268905	19587	LY2006	0	679.5020766	407.6291502	11210.88307	0	3.805211493	28.71054018
268905	19587	LY2007	0	679.5020766	407.6291502	11210.88307	0	3.805211493	28.71054018
268905	19588	LY2003	0	518.0076838	140.5866365	15140.09932	0	2.900842926	9.901937276
268905	19588	LY2004	0	518.0076838	140.5866365	15140.09932	0	2.900842926	9.901937276
268905	19588	LY2005	0	518.0076838	140.5866365	15140.09932	0	2.900842926	9.901937276
268905	19588	LY2006	0	518.0076838	140.5866365	15140.09932	0	2.900842926	9.901937276
268905	19588	LY2007	0	518.0076838	140.5866365	15140.09932	0	2.900842926	9.901937276
269572	19149	LY2003	0	0	0.42175991	0	0	0	0.029705812
269572	19149	LY2004	0	0	0.42175991	0	0	0	0.029705812
269572	19149	LY2005	0	0	0.42175991	0	0	0	0.029705812
269572	19149	LY2006	0	0	0.42175991	0	0	0	0.029705812
269572	19149	LY2007	0	0	0.42175991	0	0	0	0.029705812

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
269646	6982	LY2003	132.8002997	372.4224113	14.35810117	3679.284453	8.591012842	2.085565429	1.011284008
269646	6982	LY2004	46.03599533	52.17566608	7.783452964	782.9594219	2.978124506	0.29218372	0.548211871
269646	6982	LY2005	89.41814753	212.2990387	11.07077707	2231.121938	5.784568674	1.188874574	0.779747939
269646	6982	LY2006	89.41814753	212.2990387	11.07077707	2231.121938	5.784568674	1.188874574	0.779747939
269646	6982	LY2007	89.41814753	212.2990387	11.07077707	2231.121938	5.784568674	1.188874574	0.779747939
269989	40777	LY2003	0	13022.64829	4652.336233	7007.703113	0	72.9268278	327.6779551
269989	40777	LY2004	0	13379.08948	3541.918092	11359.40023	0	74.92289842	249.4678843
269989	40777	LY2005	135.1794582	1395.052009	2119.613905	648.8613994	8.744923496	7.81229097	149.2907466
269989	40777	LY2006	0	3224.841155	2255.874798	5147.633768	0	18.05910982	158.8880089
269989	40777	LY2007	110.6308686	1145.24037	1855.743602	0	7.156845389	6.413345843	130.705572
270369	68230	LY2003	1616.962607	1619.558053	15546.71913	4152.712956	104.6032769	9.069524772	1095.001925
270369	68230	LY2004	1616.962607	1619.558053	15546.71913	4152.712956	104.6032769	9.069524772	1095.001925
270369	68230	LY2005	1616.962607	1619.558053	15546.71913	4152.712956	104.6032769	9.069524772	1095.001925
270369	68230	LY2006	1616.962607	1619.558053	15546.71913	4152.712956	104.6032769	9.069524772	1095.001925
270369	68230	LY2007	1616.962607	1619.558053	15546.71913	4152.712956	104.6032769	9.069524772	1095.001925
270369	68231	LY2003	1191.309529	199.5897664	14690.22208	2595.445597	77.06726178	1.117702652	1034.676277
270369	68231	LY2004	1191.309529	199.5897664	14690.22208	2595.445597	77.06726178	1.117702652	1034.676277
270369	68231	LY2005	1191.309529	199.5897664	14690.22208	2595.445597	77.06726178	1.117702652	1034.676277
270369	68231	LY2006	1191.309529	199.5897664	14690.22208	2595.445597	77.06726178	1.117702652	1034.676277
270369	68231	LY2007	1191.309529	199.5897664	14690.22208	2595.445597	77.06726178	1.117702652	1034.676277
270369	68235	LY2003	0	0	1894.675286	0	0	0	133.447647
270369	68235	LY2004	0	0	1894.675286	0	0	0	133.447647
270369	68235	LY2005	0	0	1894.675286	0	0	0	133.447647
270369	68235	LY2006	0	0	1894.675286	0	0	0	133.447647
270369	68235	LY2007	0	0	1894.675286	0	0	0	133.447647
270454	63919	LY2003	0	28.49150405	20.60783804	103.8178239	0	0.159552417	1.451471667
270454	63919	LY2004	0	15.65053695	11.36805172	207.6356478	0	0.087643004	0.800685882
270454	63919	LY2005	0	41.33247114	29.84762437	0	0	0.23146183	2.102257452
270454	63919	LY2006	0	28.49150405	20.60783804	103.8178239	0	0.159552417	1.451471667
270454	63919	LY2007	0	28.49150405	20.60783804	103.8178239	0	0.159552417	1.451471667
270613	55756	LY2003	0	51.90891195	17.47600036	4844.831782	0	0.290689897	1.230886972
270613	55756	LY2004	0	17.30297065	455.8467618	4282.485236	0	0.096896632	32.10665077
270613	55756	LY2005	0	0	517.3588224	4974.604062	0	0	36.43912917
270613	55756	LY2006	0	0	832.7054625	3028.019864	0	0	58.64993617
270613	55756	LY2007	0	17.30297065	455.8467618	4282.485236	0	0.096896632	32.10665077
270613	75003	LY2003	54.41784269	23.27249552	9.430119004	467.1802075	3.520356402	0.13032597	0.664191485
270613	75003	LY2004	54.41784269	23.27249552	9.430119004	467.1802075	3.520356402	0.13032597	0.664191485
270613	75003	LY2005	54.41784269	23.27249552	9.430119004	467.1802075	3.520356402	0.13032597	0.664191485
270613	75003	LY2006	54.41784269	23.27249552	9.430119004	467.1802075	3.520356402	0.13032597	0.664191485
270613	75003	LY2007	54.41784269	23.27249552	9.430119004	467.1802075	3.520356402	0.13032597	0.664191485
270613	86490	LY2003	0	0	5.623465461	0	0	0	0.396077491
270613	86490	LY2004	0	0	5.623465461	0	0	0	0.396077491
270613	86490	LY2005	0	0	5.623465461	0	0	0	0.396077491
270613	86490	LY2006	0	0	5.623465461	0	0	0	0.396077491
270613	86490	LY2007	0	0	5.623465461	0	0	0	0.396077491
270620	41336	LY2003	0	6.488613994	13.08537155	2162.871331	0	0.036336237	0.921641854
270620	41336	LY2004	0	6.488613994	13.08537155	2162.871331	0	0.036336237	0.921641854
270620	41336	LY2005	0	6.488613994	13.08537155	2162.871331	0	0.036336237	0.921641854
270620	41336	LY2006	0	6.488613994	13.08537155	2162.871331	0	0.036336237	0.921641854
270620	41336	LY2007	0	6.488613994	13.08537155	2162.871331	0	0.036336237	0.921641854
270621	15430	LY2003	2347.79683	7589.602016	194.5286475	367.6881263	151.8818313	42.50176977	13.70123444

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

<b>Primary Facility ID</b>	<b>Outfall Number</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
270621	15430	LY2004	4671.802075	15140.09932	386.721394	389.3168396	302.224556	84.78455316	27.23794438
270621	15430	LY2005	2347.79683	7589.602016	194.5286475	367.6881263	151.8818313	42.50176977	13.70123444
270621	15430	LY2006	2347.79683	7589.602016	194.5286475	367.6881263	151.8818313	42.50176977	13.70123444
270621	15430	LY2007	23.79158464	39.10471367	2.335901038	346.059413	1.539106535	0.218986389	0.164524496
270690	61700	LY2003	5830.019673	13697.46414	6787.090237	6618.386273	377.1510605	76.70579645	478.0350642
270690	61700	LY2004	14361.736	15564.94132	17345.14664	3844.503791	929.078162	87.16366828	1221.670554
270690	61700	LY2005	30637.07241	5888.849773	38304.45128	6164.183294	1981.949461	32.97755756	2697.897064
270690	61700	LY2006	9992.46555	25110.93616	12523.02501	2595.445597	646.4247448	140.6212375	882.034105
270690	61700	LY2007	10987.38636	17562.51521	11766.02004	0	710.7873817	98.35008167	828.7159812
270690	97956	LY2003	22668.49168	37947.92016	27745.12519	34301.53719	1466.452286	212.5083453	1954.172147
270690	97956	LY2004	932.3402933	888.4426567	4798.766948	6123.521313	60.31422707	4.9752787	337.9915083
270690	97956	LY2005	1914.573702	1229.012702	826.6277941	20090.9118	123.8561005	6.882470887	58.22186781
270690	97956	LY2006	0	123.013307	893.4010392	12477.06399	0	0.688874494	62.92490717
270690	97956	LY2007	743.286182	2350.963892	21307.8359	7809.510414	48.08408677	13.16539732	1500.77461
270690	97959	LY2003	340.4398948	1259.186379	1176.937249	1685.633772	22.02347068	7.051443474	82.89521043
270690	97959	LY2004	1908.73395	1878.453751	2314.272324	39018.19881	123.4783198	10.51934063	163.0011213
270690	97959	LY2005	2688.29177	5470.884081	4378.628471	18580.03803	173.9088629	30.63694976	308.3998988
270690	97959	LY2006	2688.29177	5470.884081	4378.628471	18580.03803	173.9088629	30.63694976	308.3998988
270690	97959	LY2007	5815.701465	13275.01211	9644.67584	15036.28149	376.2247982	74.34006518	679.3033646
270690	97989	LY2003	3691.856023	312.4301283	3684.127363	6666.496222	238.8306545	1.749608656	259.4841086
270690	97989	LY2004	116.0672457	0	485.4413302	863.4723072	7.508531232	0	34.19108474
270690	97989	LY2005	10825.71894	3317.123665	7048.797668	2780.299001	700.3289196	18.57589186	496.4679013
270690	97989	LY2006	74.71639014	0	592.1747046	688.874519	4.833494115	0	41.70863552
270690	97989	LY2007	3985.191001	5026.299931	4902.061357	18304.38008	257.8068509	28.14727861	345.2668424
271106	23764	LY2003	0	0	0.233590104	0	0	0	0.01645245
271106	23764	LY2004	8.811537803	10.39475962	0.752679223	233.5901038	0.570029093	0.058210652	0.053013449
271106	23764	LY2005	4.405768902	5.197379809	0.493134664	116.7950519	0.285014547	0.029105326	0.034732949
271106	23764	LY2006	4.405768902	5.197379809	0.493134664	116.7950519	0.285014547	0.029105326	0.034732949
271106	23764	LY2007	4.405768902	5.197379809	0.493134664	116.7950519	0.285014547	0.029105326	0.034732949
271671	19769	LY2003	125.8070158	424.5716423	213.0211974	13280.02997	8.1386088	2.377601112	15.00372004
271671	19769	LY2004	0	1503.195575	1103.064379	34605.9413	0	8.417894921	77.69212324
271671	19769	LY2005	62.90350788	963.8836087	658.0427882	23942.98564	4.0693044	5.397748017	46.34792164
271671	19769	LY2006	62.90350788	963.8836087	658.0427882	23942.98564	4.0693044	5.397748017	46.34792164
271671	19769	LY2007	62.90350788	963.8836087	658.0427882	23942.98564	4.0693044	5.397748017	46.34792164
271671	19776	LY2003	0	96.46406137	25.65165399	951.6633857	0	0.540198724	1.806722709
271671	19776	LY2004	0	218.3418609	109.6575765	4866.460495	0	1.222714377	7.723511075
271671	19776	LY2005	0	157.4029611	67.65461524	2909.06194	0	0.881456551	4.765116892
271671	19776	LY2006	0	157.4029611	67.65461524	2909.06194	0	0.881456551	4.765116892
271671	19776	LY2007	0	157.4029611	67.65461524	2909.06194	0	0.881456551	4.765116892
271671	53718	LY2003	0	2.820384216	5.766214969	0	0	0.015794151	0.406131766
271671	53718	LY2004	0	0	5.277406048	0	0	0	0.371703492
271671	53718	LY2005	0	7.351599655	4.509586726	220.6128758	0	0.041168957	0.31762368
271671	53718	LY2006	72.67247673	56.45094174	9.73292099	930.0346724	4.701270871	0.316125262	0.685518734
271671	53718	LY2007	57.96495168	74.86779113	23.67695246	874.8814535	3.749823195	0.419259615	1.667638575
271671	64444	LY2003	0	169.163574	15.78896072	5720.794671	0	0.947315981	1.112063725
271671	64444	LY2004	0	90.19173451	45.31215439	12544.65372	0	0.505073695	3.191470553
271671	64444	LY2005	0	0	0	24224.15891	0	0	0
271671	64444	LY2006	0	8.727185821	0	3395.70799	0	0.048872239	0
271671	64444	LY2007	0	67.02062358	15.27527878	11471.32882	0	0.375315479	1.075883569
271674	79403	LY2003	193.9825225	578.081435	595.1681186	29689.19405	12.54896522	3.237255921	41.91947061
271674	79403	LY2004	0	501.7861488	152.2661417	18168.11918	0	2.810002333	10.72455976



**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

<b>Primary Facility ID</b>	<b>Outfall Number</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
271674	79403	LY2005	387.965045	654.3767213	1038.070095	41210.26891	25.09793043	3.664509508	73.11438147
271674	79403	LY2006	193.9825225	578.081435	595.1681186	29689.19405	12.54896522	3.237255921	41.91947061
271674	79403	LY2007	193.9825225	578.081435	595.1681186	29689.19405	12.54896522	3.237255921	41.91947061
272018	19092	LY2003	67.00431193	16.85057006	2.476487674	331.6402708	4.334590399	0.094363189	0.174426434
272018	19092	LY2004	67.00431193	16.85057006	2.476487674	331.6402708	4.334590399	0.094363189	0.174426434
272018	19092	LY2005	103.8178239	4.996232775	2.595445597	558.0208034	6.716101245	0.027978903	0.182804996
272018	19092	LY2006	93.38196972	45.55547741	4.325742662	416.3527313	6.040993151	0.255110664	0.304674993
272018	19092	LY2007	3.813142157	0	0.508274763	20.54727765	0.246676802	0	0.035799312
272018	47041	LY2003	4.066198103	2.768475304	0.372013869	90.84059591	0.263047299	0.015503461	0.026202049
272018	47041	LY2004	4.066198103	2.768475304	0.372013869	90.84059591	0.263047299	0.015503461	0.026202049
272018	47041	LY2005	0	0	0.268196045	0	0	0	0.01888985
272018	47041	LY2006	8.132396205	5.536950608	0.475831693	181.6811918	0.526094598	0.031006922	0.033514249
272018	47041	LY2007	4.066198103	2.768475304	0.372013869	90.84059591	0.263047299	0.015503461	0.026202049
272154	13097	LY2003	129.7722799	141.4517851	220.6128758	1038.178239	8.395126556	0.792129968	15.53842465
272154	13097	LY2004	129.7722799	141.4517851	220.6128758	1038.178239	8.395126556	0.792129968	15.53842465
272154	13097	LY2005	129.7722799	141.4517851	220.6128758	1038.178239	8.395126556	0.792129968	15.53842465
272154	13097	LY2006	129.7722799	141.4517851	220.6128758	1038.178239	8.395126556	0.792129968	15.53842465
272154	13097	LY2007	129.7722799	141.4517851	220.6128758	1038.178239	8.395126556	0.792129968	15.53842465
272262	23367	LY2003	0	421.3273353	1022.389278	4920.532278	0	2.359432994	72.00993462
272262	23367	LY2004	33.0333536	1339.146291	2127.107353	7999.920336	2.136967805	7.49921896	149.8185326
272262	23367	LY2005	0	2387.80995	6817.370436	6921.18826	0	13.37173524	480.1677891
272262	23367	LY2006	0	1877.372315	476.9131285	18168.11918	0	10.51328459	33.59041799
272262	23367	LY2007	132.1334144	670.0755623	191.7565674	1989.841625	8.54787122	3.752423015	13.50598855
272355	52801	LY2003	0	0	1205.273027	77759.5501	0	0	84.89098398
272355	52801	LY2004	0	0	1205.273027	77759.5501	0	0	84.89098398
272355	52801	LY2005	0	0	1205.273027	77759.5501	0	0	84.89098398
272355	52801	LY2006	0	0	1205.273027	77759.5501	0	0	84.89098398
272355	52801	LY2007	0	0	1205.273027	77759.5501	0	0	84.89098398
272839	21025	LY2003	0	28642.61666	4792.721002	15320.3386	0	160.3986476	337.5656742
272839	21025	LY2004	0	28642.61666	4792.721002	15320.3386	0	160.3986476	337.5656742
272839	21025	LY2005	0	28642.61666	4792.721002	15320.3386	0	160.3986476	337.5656742
272839	21025	LY2006	0	24013.06267	2700.3016	0	0	134.4731461	190.1903177
272839	21025	LY2007	0	33272.17064	6885.140404	30640.67719	0	186.324149	484.9410307
275099	12454	LY2003	0	2632.592913	5042.680437	86731.14038	0	14.74251978	355.1710648
275099	12454	LY2004	8063.184323	15780.30923	10707.07824	110739.0122	521.6171967	88.36972855	754.1315429
275099	12454	LY2005	0	11580.73406	6976.125192	207058.8821	0	64.85210845	491.3493614
275099	12454	LY2006	0	3336.87789	1618.26033	84676.41262	0	18.68651552	113.9789149
275099	12454	LY2007	0	3464.054724	6176.295373	57099.80314	0	19.39870576	435.0149551
276847	18877	LY2003	157.0183551	119.6639111	9.342542026	5669.078287	10.15770829	0.670117878	0.658023177
276847	18877	LY2004	183.6061473	102.421227	5.870650756	11376.7032	11.87770489	0.573558851	0.413487491
276847	18877	LY2005	83.7994666	77.07686926	6.488613994	3216.779543	5.421089374	0.431630452	0.45701249
276847	18877	LY2006	264.3659604	204.2165087	13.13764094	5421.59747	17.10215538	1.143612408	0.925323344
276847	18877	LY2007	96.30184602	94.94103948	11.87326241	2661.232934	6.229883498	0.531669802	0.836269382
276867	58274	LY2003	224.4033078	355.1741133	176.3673774	6509.161271	14.5169228	1.988974963	12.42208187
276867	58274	LY2004	94.41654318	113.7237746	205.0762501	6185.812007	6.107920965	0.636853115	14.44413363
276867	58274	LY2005	206.5542121	169.3095678	167.5468277	1129.018835	13.3622431	0.948133546	11.80082417
276867	58274	LY2006	590.6945797	1134.786492	332.0829384	18643.95087	38.2127505	6.354804127	23.38959455
276867	58274	LY2007	5.947896161	2.87661887	0.76349358	77.86336792	0.384776634	0.016109065	0.053775136
276902	20119	LY2003	0	0	2.335901038	0	0	0	0.164524496
276902	20119	LY2004	0	0	2.335901038	0	0	0	0.164524496
276902	20119	LY2005	0	0	2.335901038	0	0	0	0.164524496

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
276902	20119	LY2006	0	0	2.335901038	0	0	0	0.164524496
276902	20119	LY2007	0	0	2.335901038	0	0	0	0.164524496
276952	20694	LY2003	27296.91088	61621.18735	9605.8523	12564.31619	1765.870351	345.0786369	676.5689065
276952	20694	LY2004	31550.61518	34995.25814	12061.25198	18952.16004	2041.047654	195.9734386	849.5100495
276952	20694	LY2005	18304.81265	1234.278573	6850.24608	14269.18313	1184.160584	6.911959762	482.4833191
276952	20694	LY2006	18344.75367	36808.84017	6239.883791	3853.515755	1186.744418	206.1294976	439.4936775
276952	20694	LY2007	14456.63198	2193.15153	4522.996528	3906.145624	935.2170983	12.28164813	318.5681728
277021	18646	LY2003	1436.362851	688.8979501	1056.054371	15409.55704	92.9200591	3.857828383	74.38106775
277021	18646	LY2004	1444.611256	715.2418868	740.4845614	11822.05807	93.45365843	4.005354423	52.1545423
277021	18646	LY2005	1827.38541	287.4790261	1232.240886	6981.650345	118.2157838	1.609882489	86.79041098
277021	18646	LY2006	1349.245278	621.7325043	1687.870902	15873.3127	87.28431736	3.4817019	118.8817957
277021	18646	LY2007	1795.94021	814.1534337	2289.155981	6423.727854	116.1815556	4.559259066	161.2321021
277021	18647	LY2003	1479.403991	3448.337859	2772.536696	150680.0361	95.70444274	19.31069132	195.2780515
277021	18647	LY2004	0	1830.654295	1927.095862	37909.94354	0	10.25166368	135.7311251
277021	18647	LY2005	0	2067.777088	2925.023931	97277.30099	0	11.57955128	206.0181836
277021	18647	LY2006	0	6133.278334	6875.078384	169654.8033	0	34.34635745	484.2323325
277021	18647	LY2007	0	6637.322645	4843.561744	144590.5439	0	37.16900548	341.1465397
277172	51798	LY2003	0	5352.025109	507.1933272	136260.8939	0	29.97133954	35.72314294
277172	51798	LY2004	0	5087.830376	585.3811258	93652.32864	0	28.49184909	41.23014344
277172	51798	LY2005	0	5087.830376	585.3811258	93652.32864	0	28.49184909	41.23014344
277172	51798	LY2006	0	4823.635643	663.5689244	51043.76342	0	27.01235864	46.73714394
277172	51798	LY2007	0	5087.830376	585.3811258	93652.32864	0	28.49184909	41.23014344
278840	58690	LY2003	0	115.9299034	558.0208034	3028.019864	0	0.649207436	39.30307411
278840	58690	LY2004	0	115.9299034	558.0208034	3028.019864	0	0.649207436	39.30307411
278840	58690	LY2005	0	115.9299034	558.0208034	3028.019864	0	0.649207436	39.30307411
278840	58690	LY2006	0	115.9299034	558.0208034	3028.019864	0	0.649207436	39.30307411
278840	58690	LY2007	0	115.9299034	558.0208034	3028.019864	0	0.649207436	39.30307411
278841	19463	LY2003	0	25.86794112	15.01032704	692.118826	0	0.144860465	1.057222226
278841	19463	LY2004	104.4666853	606.2831143	97.38760743	4327.905534	6.758076878	3.395185319	6.859300457
278841	19463	LY2005	0	138.7481959	80.13438282	1243.651015	0	0.776989869	5.644104247
278841	19463	LY2006	42.04127497	324.2823885	220.9484298	1468.280652	2.71970119	1.815981311	15.56205872
278841	19463	LY2007	0	93.99838805	42.72391836	1413.075936	0	0.526390954	3.009173348
278948	18616	LY2003	0	28.99977881	29.89953328	207.6356478	0	0.162398756	2.105913552
278948	18616	LY2004	59.53087052	182.8318394	120.3010663	1032.771061	3.851124389	1.023858264	8.473163896
278948	18616	LY2005	0	216.4169054	128.9936462	1583.221814	0	1.211934627	9.085408294
278948	18616	LY2006	0	543.6106732	213.2699276	1340.980225	0	3.044219661	15.02123885
278948	18616	LY2007	0	384.0718766	194.9450003	0	0	2.150802432	13.73055941
279046	18634	LY2003	0	15248.24288	551.5321895	216287.1331	0	85.39015711	38.84606162
279046	18634	LY2004	1911.978257	8157.800112	346.3740125	105430.1462	123.6881979	45.683679	24.39615763
279046	18634	LY2005	3775.272246	15109.22925	1766.161404	188268.1181	244.2269514	84.61168076	124.3960299
279046	18634	LY2006	0	7356.430067	964.0998959	57478.30563	0	41.19600691	67.90443909
279046	18634	LY2007	0	10699.18376	779.1023014	102631.8495	0	59.91542691	54.87450522
279325	63863	LY2003	0	243.2836998	23.12306078	3436.99917	0	1.36238867	1.628626327
279325	63863	LY2004	0	1620.488087	70.01214499	25370.48071	0	9.074732966	4.931164763
279325	63863	LY2005	0	1319.611057	134.7036265	9949.208124	0	7.389821653	9.487579285
279325	63863	LY2006	0	1952.876187	192.2989238	25757.83131	0	10.93610626	13.54418833
279325	63863	LY2007	0	2172.784491	215.566176	44428.98193	0	12.16759272	15.18297049
279520	19412	LY2003	55.39113479	367.2122946	302.8019864	1946.584198	3.583319852	2.056388776	21.32724952
279520	19412	LY2004	55.39113479	367.2122946	302.8019864	1946.584198	3.583319852	2.056388776	21.32724952
279520	19412	LY2005	55.39113479	367.2122946	302.8019864	1946.584198	3.583319852	2.056388776	21.32724952
279520	19412	LY2006	55.39113479	367.2122946	302.8019864	1946.584198	3.583319852	2.056388776	21.32724952

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEP Inspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
279520	19412	LY2007	55.39113479	367.2122946	302.8019864	1946.584198	3.583319852	2.056388776	21.32724952
279781	41917	LY2003	0	0	0	2930.690654	0	0	0
279781	41917	LY2004	0	9218.936247	3351.931474	66616.437	0	51.62604114	236.0865587
279781	41917	LY2005	0	8873.179636	4188.400333	60560.39727	0	49.68980419	295.0015621
279781	41917	LY2006	0	6030.705295	2513.443936	43369.17498	0	33.77194845	177.0293736
279781	41917	LY2007	0	6030.705295	2513.443936	43369.17498	0	33.77194845	177.0293736
280584	10285	LY2003	0	5700.559808	1303.874966	100381.2617	0	31.92313379	91.83581348
280584	10285	LY2004	0	5375.384119	1249.328553	120526.0049	0	30.10215	87.99394644
280584	10285	LY2005	0	7252.540148	1357.490143	51692.62482	0	40.61422338	95.61209075
280584	10285	LY2006	0	5209.421595	1327.76373	45487.21179	0	29.17275989	93.51837055
280584	10285	LY2007	0	14525.84386	2136.592445	99492.08124	0	81.34472272	150.486596
280626	19117	LY2003	0	5.84335738	21.81652264	907.685002	0	0.0327228	1.536602938
280626	19117	LY2004	0	11.68671476	7.51741979	872.3581036	0	0.0654456	0.529474359
280626	19117	LY2005	0	0	36.11562549	943.0119004	0	0	2.543731517
280626	19117	LY2006	0	5.84335738	21.81652264	907.685002	0	0.0327228	1.536602938
280626	19117	LY2007	0	5.84335738	21.81652264	907.685002	0	0.0327228	1.536602938
280833	19027	LY2003	93.86861577	44.25234744	8.435198192	3668.229778	6.072474876	0.247813137	0.594116237
280833	19027	LY2004	173.894855	78.6420016	16.87039638	7267.247673	11.24946959	0.440395193	1.188232473
280833	19027	LY2005	93.86861577	44.25234744	8.435198192	3668.229778	6.072474876	0.247813137	0.594116237
280833	19027	LY2006	93.86861577	44.25234744	8.435198192	3668.229778	6.072474876	0.247813137	0.594116237
280833	19027	LY2007	13.84237652	9.86269327	0	69.2118826	0.895480166	0.05523108	0
281838	51181	LY2003	3392.236581	1662.425854	6301.799999	22690.42359	219.4479086	9.309584448	443.8546213
281838	51181	LY2004	10818.81758	9718.294573	10217.96111	11965.22049	699.8824621	54.42244767	719.6815606
281838	51181	LY2005	0	0	282.7954266	9976.244015	0	0	19.91812767
281838	51181	LY2006	0	138.2074781	484.3209628	5947.896161	0	0.77396185	34.11217391
281838	51181	LY2007	0	20.65542121	17.27052758	189.2512415	0	0.115670355	1.21641491
466986	67305	LY2003	1723.037928	2089.225562	20593.56309	11353.99305	111.4654184	11.69966273	1450.46624
466986	67305	LY2004	1512.763331	4176.048371	20977.49242	9106.868052	97.86249906	23.38587005	1477.50753
466986	67305	LY2005	1293.275935	4750.69497	12972.90224	14941.11516	83.66359256	26.60389088	913.7203043
466986	67305	LY2006	36.44438193	31.14534717	130.4919753	418.2452437	2.357631374	0.174413938	9.190940095
466986	67305	LY2007	166.0306549	0	5942.272695	2854.990157	10.74072492	0	418.532038
468702	12979	LY2003	0	0	37.36244872	1255.835191	0	0	2.631549006
468702	12979	LY2004	0	0	194.2396879	522.1171394	0	0	13.68088215
468702	12979	LY2005	0	0	28.98874816	968.6419257	0	0	2.041764232
468702	12979	LY2006	0	0	45.68416826	640.209914	0	0	3.217672602
468702	12979	LY2007	0	0	250.8990824	515.4843339	0	0	17.67157276
468705	40761	LY2003	0	1035.582793	935.9176824	1868.72083	0	5.799263436	65.91948151
468705	40761	LY2004	409.6153871	913.5247546	780.6235209	622.9069434	26.49851738	5.115738443	54.98164925
468705	40761	LY2005	29.75029516	692.7676874	393.7290971	0	1.924582763	3.879498911	27.73151787
468705	40761	LY2006	409.6153871	913.5247546	780.6235209	622.9069434	26.49851738	5.115738443	54.98164925
468705	40761	LY2007	1199.095866	1012.223783	1012.223783	0	77.57096938	5.668452983	71.29394838
468705	62291	LY2003	0	95.38262571	1034.241813	2271.014898	0	0.534142685	72.8447441
468705	62291	LY2004	0	0	393.7290971	5017.861488	0	0	27.73151787
468705	62291	LY2005	0	77.53893722	600.9754281	2060.134943	0	0.434218033	42.32849679
468705	62291	LY2006	0	44.03894413	157.5651765	709.4217966	0	0.246618078	11.09778662
468705	62291	LY2007	0	0	384.5801514	746.1906093	0	0	27.08713026
468707	63830	LY2003	169.3528252	400.6719141	1891.430979	16870.39638	10.95564016	2.243762639	133.2191407
468707	63830	LY2004	169.3528252	400.6719141	1891.430979	16870.39638	10.95564016	2.243762639	133.2191407
468707	63830	LY2005	169.3528252	400.6719141	1891.430979	16870.39638	10.95564016	2.243762639	133.2191407
468707	63830	LY2006	169.3528252	400.6719141	1891.430979	16870.39638	10.95564016	2.243762639	133.2191407
468707	63830	LY2007	169.3528252	400.6719141	1891.430979	16870.39638	10.95564016	2.243762639	133.2191407

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
479775	33287	LY2003	74.40980313	143.8498686	417.6558612	769.9821939	4.813660628	0.805559236	29.41675143
479775	33287	LY2004	74.40980313	143.8498686	417.6558612	769.9821939	4.813660628	0.805559236	29.41675143
479775	33287	LY2005	74.40980313	143.8498686	417.6558612	769.9821939	4.813660628	0.805559236	29.41675143
479775	33287	LY2006	74.40980313	143.8498686	417.6558612	769.9821939	4.813660628	0.805559236	29.41675143
479775	33287	LY2007	74.40980313	143.8498686	417.6558612	769.9821939	4.813660628	0.805559236	29.41675143
479814	42226	LY2003	0	0	0	0	0	0	0
479814	42226	LY2004	8.738000178	7.172081334	0.66616437	0	0.565271855	0.040163654	0.046919949
479814	42226	LY2005	2.912666726	9.1965289	0.582533345	28.83828442	0.188423952	0.05150056	0.041029566
479814	42226	LY2006	2.912666726	9.1965289	0.582533345	28.83828442	0.188423952	0.05150056	0.041029566
479814	42226	LY2007	0	20.41750537	1.081435666	86.51485325	0	0.114338026	0.076168748
481386	10085	LY2003	3942.594011	484.4831782	26921.1126	57635.18055	255.0511998	2.713105701	1896.134476
481386	10085	LY2004	3942.594011	484.4831782	26921.1126	57635.18055	255.0511998	2.713105701	1896.134476
481386	10085	LY2005	3547.108983	0	2824.709959	34605.9413	229.4667925	0	198.9527705
481386	10085	LY2006	4080.701357	1453.449535	40906.48562	109479.3399	263.9855319	8.139317103	2881.166125
481386	10085	LY2007	4199.971694	0	37032.14221	28820.26049	271.701275	0	2608.284532
481396	10085	LY2003	5849.109065	1249.508792	31599.41497	56320.068	378.3859765	6.997248985	2225.641303
481396	10085	LY2004	6004.160855	1343.215192	41630.74712	98849.22781	388.4164653	7.522004809	2932.178028
481396	10085	LY2005	8061.695346	3493.525849	48763.88375	112033.731	521.520873	19.56374405	3434.586175
481396	10085	LY2006	4126.02012	1608.959983	44924.1569	59006.95499	266.9172578	9.010175585	3164.142729
481396	10085	LY2007	4503.098112	0	46358.98411	103817.8239	291.3108915	0	3265.201901
481396	43114	LY2003	0	569.2677344	4602.590193	0	0	3.187899199	324.1741927
481396	43114	LY2004	0	569.2677344	4602.590193	0	0	3.187899199	324.1741927
481396	43114	LY2005	0	569.2677344	4602.590193	0	0	3.187899199	324.1741927
481396	43114	LY2006	0	569.2677344	4602.590193	0	0	3.187899199	324.1741927
481396	43114	LY2007	0	569.2677344	4602.590193	0	0	3.187899199	324.1741927
481396	87243	LY2003	2335.901038	0	3036.671349	6921.18826	151.112278	0	213.8818452
481396	87243	LY2004	2335.901038	0	3036.671349	6921.18826	151.112278	0	213.8818452
481396	87243	LY2005	2335.901038	0	3036.671349	6921.18826	151.112278	0	213.8818452
481396	87243	LY2006	2335.901038	0	3036.671349	6921.18826	151.112278	0	213.8818452
481396	87243	LY2007	2335.901038	0	3036.671349	6921.18826	151.112278	0	213.8818452
487593	40257	LY2003	3244.306997	908.4059591	7267.247673	0	209.8781639	5.08707319	511.8539884
487593	40257	LY2004	3244.306997	908.4059591	7267.247673	0	209.8781639	5.08707319	511.8539884
487593	40257	LY2005	3244.306997	908.4059591	7267.247673	0	209.8781639	5.08707319	511.8539884
487593	40257	LY2006	3244.306997	908.4059591	7267.247673	0	209.8781639	5.08707319	511.8539884
487593	40257	LY2007	3244.306997	908.4059591	7267.247673	0	209.8781639	5.08707319	511.8539884
490739	41897	LY2003	0	0	0	0	0	0	0
490739	41897	LY2004	0	0	0	0	0	0	0
490739	41897	LY2005	0	0	0	0	0	0	0
490739	41897	LY2006	0	0	0	0	0	0	0
490739	41897	LY2007	0	0	0	0	0	0	0
490802	41830	LY2003	13.49631711	45.63658509	14.72915377	86.51485325	0.873093162	0.255564867	1.037418351
490802	41830	LY2004	13.49631711	45.63658509	14.72915377	86.51485325	0.873093162	0.255564867	1.037418351
490802	41830	LY2005	13.49631711	45.63658509	14.72915377	86.51485325	0.873093162	0.255564867	1.037418351
490802	41830	LY2006	13.49631711	45.63658509	14.72915377	86.51485325	0.873093162	0.255564867	1.037418351
490802	41830	LY2007	13.49631711	45.63658509	14.72915377	86.51485325	0.873093162	0.255564867	1.037418351
490906	42737	LY2003	111.1235226	835.9377536	214.7130434	11559.34567	7.188715777	4.681251253	15.12288181
490906	42737	LY2004	166.9736668	522.5713423	183.5196325	11614.61905	10.8017295	2.926399413	12.92583658
490906	42737	LY2005	0	359.9030872	145.0123038	4104.264638	0	2.015457217	10.21365026
490906	42737	LY2006	60.6541217	265.5460471	86.97866899	4201.738039	3.923788873	1.48705781	6.126167792
490906	42737	LY2007	48.5017888	443.162723	132.9727286	2401.988773	3.137639684	2.48171116	9.365666972
490916	42298	LY2003	13.58823914	7.878258824	48.07522251	122.742948	0.87903971	0.044118248	3.386081705

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
490916	42298	LY2004	0	1.468589634	1.130100271	20.54727765	0	0.008224102	0.079596342
490916	42298	LY2005	6.719770867	5.234959698	13.75937633	168.8391433	0.434710147	0.029315773	0.969114026
490916	42298	LY2006	13.29084433	11.59299034	4.417664694	324.4306997	0.859800878	0.064920744	0.311149337
490916	42298	LY2007	0	0	1.414517851	207.6356478	0	0	0.099628723
491093	81282	LY2003	0	0	34.30313931	1137.67032	0	0	2.416072695
491093	81282	LY2004	0	0	34.30313931	1137.67032	0	0	2.416072695
491093	81282	LY2005	0	0	34.30313931	1137.67032	0	0	2.416072695
491093	81282	LY2006	0	0	34.30313931	1137.67032	0	0	2.416072695
491093	81282	LY2007	0	0	34.30313931	1137.67032	0	0	2.416072695
491596	42813	LY2003	0	469.9329529	949.6184892	68965.70852	0	2.631624442	66.8844703
491596	42813	LY2004	2156.382717	2669.588827	3089.986127	77901.43446	139.4990196	14.9496969	217.6369644
491596	42813	LY2005	0	325.9447096	1242.915639	36611.78817	0	1.825290309	87.54226577
491596	42813	LY2006	0	493.9457403	1626.262954	36011.80766	0	2.766096047	114.5425637
491596	42813	LY2007	0	392.3448595	1653.55839	30691.14419	0	2.197131135	116.4650629
492205	41069	LY2003	0	135.8283196	1176.602004	1730.297065	0	0.760638563	82.87159812
492205	41069	LY2004	0	135.8283196	1176.602004	1730.297065	0	0.760638563	82.87159812
492205	41069	LY2005	0	135.8283196	1176.602004	1730.297065	0	0.760638563	82.87159812
492205	41069	LY2006	0	135.8283196	1176.602004	1730.297065	0	0.760638563	82.87159812
492205	41069	LY2007	0	135.8283196	1176.602004	1730.297065	0	0.760638563	82.87159812
492562	34767	LY2003	3499.525814	197.5782961	1201.835503	23272.49552	226.3885795	1.106438419	84.64886892
492562	34767	LY2004	1268.495197	71.45405921	466.276608	7757.498508	82.0604965	0.400142717	32.84125603
492562	34767	LY2005	6.012782301	0	10.77109923	0	0.388974197	0	0.758640733
492562	34767	LY2006	299.9469962	16.78388153	186.2232216	0	19.40393585	0.093989733	13.11625845
492562	34767	LY2007	1268.495197	71.45405921	466.276608	7757.498508	82.0604965	0.400142717	32.84125603
493115	43492	LY2003	0	1827.193701	1310.700027	6618.386273	0	10.23228436	92.31652291
493115	43492	LY2004	0	2219.105986	1444.798049	3460.59413	0	12.42699308	101.7614477
493115	43492	LY2005	0	2023.149843	1377.749038	5039.490202	0	11.32963872	97.0389853
493115	43492	LY2006	0	2023.149843	1377.749038	5039.490202	0	11.32963872	97.0389853
493115	43492	LY2007	0	2023.149843	1377.749038	5039.490202	0	11.32963872	97.0389853
494625	43857	LY2003	163.5130726	29.02573326	129.7722799	951.6633857	10.57785946	0.1625441	9.140249793
494625	43857	LY2004	163.5130726	29.02573326	129.7722799	951.6633857	10.57785946	0.1625441	9.140249793
494625	43857	LY2005	163.5130726	29.02573326	129.7722799	951.6633857	10.57785946	0.1625441	9.140249793
494625	43857	LY2006	163.5130726	29.02573326	129.7722799	951.6633857	10.57785946	0.1625441	9.140249793
494625	43857	LY2007	163.5130726	29.02573326	129.7722799	951.6633857	10.57785946	0.1625441	9.140249793
494625	43862	LY2003	1594.252458	8856.958101	1366.502107	35427.83241	103.1341297	49.5989636	96.24683032
494625	43862	LY2004	1594.252458	8856.958101	1366.502107	35427.83241	103.1341297	49.5989636	96.24683032
494625	43862	LY2005	1594.252458	8856.958101	1366.502107	35427.83241	103.1341297	49.5989636	96.24683032
494625	43862	LY2006	1594.252458	8856.958101	1366.502107	35427.83241	103.1341297	49.5989636	96.24683032
494625	43862	LY2007	1594.252458	8856.958101	1366.502107	35427.83241	103.1341297	49.5989636	96.24683032
494655	46917	LY2003	0	4.879437723	1.193904975	0	0	0.02732485	0.084090298
494655	46917	LY2004	0	4.879437723	1.193904975	0	0	0.02732485	0.084090298
494655	46917	LY2005	0	4.879437723	1.193904975	0	0	0.02732485	0.084090298
494655	46917	LY2006	0	4.879437723	1.193904975	0	0	0.02732485	0.084090298
494655	46917	LY2007	0	4.879437723	1.193904975	0	0	0.02732485	0.084090298
495260	48430	LY2003	0	19.15222564	374.7812628	71.91547176	0	0.10725246	26.39696523
495260	48430	LY2004	0	19.15222564	374.7812628	71.91547176	0	0.10725246	26.39696523
495260	48430	LY2005	0	19.15222564	374.7812628	71.91547176	0	0.10725246	26.39696523
495260	48430	LY2006	0	19.15222564	374.7812628	71.91547176	0	0.10725246	26.39696523
495260	48430	LY2007	0	19.15222564	374.7812628	71.91547176	0	0.10725246	26.39696523
495965	49318	LY2003	182.9789146	797.0180855	1755.530564	6921.18826	11.83712844	4.46330112	123.647268
495965	49318	LY2004	0	568.9613276	1436.21866	13608.06546	0	3.186183321	101.1571756

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

<b>Primary Facility ID</b>	<b>Outfall Number</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
495965	49318	LY2005	0	333.2984721	892.7990401	5558.579321	0	1.866471377	62.88250657
495965	49318	LY2006	0	0	372.5185389	3088.099623	0	0	26.23759482
495965	49318	LY2007	45.74472865	424.8194713	1114.266701	7293.983166	2.959282111	2.378988955	78.48113626
510671	67990	LY2003	0	13.07185361	56.52033387	638.0470427	0	0.073202378	3.980896155
510671	67990	LY2004	0	13.07185361	56.52033387	638.0470427	0	0.073202378	3.980896155
510671	67990	LY2005	0	13.07185361	56.52033387	638.0470427	0	0.073202378	3.980896155
510671	67990	LY2006	0	0	55.16763809	335.2450563	0	0	3.885621745
510671	67990	LY2007	0	26.14370722	57.87302964	940.8490291	0	0.146404755	4.076170564
510671	67991	LY2003	0	26.21400053	26.37837876	174.1111422	0	0.146798398	1.857908108
510671	67991	LY2004	0	26.21400053	26.37837876	174.1111422	0	0.146798398	1.857908108
510671	67991	LY2005	0	26.21400053	26.37837876	174.1111422	0	0.146798398	1.857908108
510671	67991	LY2006	0	0	8.582273442	36.76881263	0	0	0.604475186
510671	67991	LY2007	0	52.42800107	44.17448407	311.4534717	0	0.293596796	3.11134103
510671	68010	LY2003	0	0	19.16844717	794.8552142	0	0	1.350091063
510671	68010	LY2004	0	0	19.16844717	794.8552142	0	0	1.350091063
510671	68010	LY2005	0	0	19.16844717	794.8552142	0	0	1.350091063
510671	68010	LY2006	0	0	38.33689435	378.502483	0	0	2.700182126
510671	68010	LY2007	0	0	0	1211.207945	0	0	0
510674	46985	LY2003	242.2415891	504.5978816	724.9944702	8939.868169	15.6709029	2.825748036	51.06352884
510674	46985	LY2004	121.1207945	318.8072342	625.2861018	5118.795484	7.835451452	1.785320448	44.04077025
510674	46985	LY2005	0	133.0165869	525.5777335	1297.722799	0	0.74489286	37.01801166
510674	46985	LY2006	121.1207945	318.8072342	625.2861018	5118.795484	7.835451452	1.785320448	44.04077025
510674	46985	LY2007	121.1207945	318.8072342	625.2861018	5118.795484	7.835451452	1.785320448	44.04077025
510674	46986	LY2003	0	0	46.06915935	0	0	0	3.244788676
510674	46986	LY2004	0	0	35.92529281	173.0297065	0	0	2.530325818
510674	46986	LY2005	0	0	25.78142627	346.059413	0	0	1.815862959
510674	46986	LY2006	0	0	35.92529281	173.0297065	0	0	2.530325818
510674	46986	LY2007	0	0	35.92529281	173.0297065	0	0	2.530325818
510674	46987	LY2003	33.3082185	2.292643611	9.300346724	8.651485325	2.154749149	0.012838804	0.655051235
510674	46987	LY2004	1904.840781	319.0884075	374.501171	22065.61332	123.226466	1.786895018	26.37723753
510674	46987	LY2005	1904.840781	319.0884075	374.501171	22065.61332	123.226466	1.786895018	26.37723753
510674	46987	LY2006	1904.840781	319.0884075	374.501171	22065.61332	123.226466	1.786895018	26.37723753
510674	46987	LY2007	3776.373344	635.8841714	739.7019953	44122.57516	244.2981828	3.560951233	52.09942382
510674	46990	LY2003	105.9806952	182.9789146	288.9596098	1557.267358	6.856020021	1.024681885	20.35228954
510674	46990	LY2004	298.4474054	587.9607103	418.6742132	16974.21421	19.3069255	3.29257986	29.488477
510674	46990	LY2005	0	0	21.45568361	43.25742662	0	0	1.511187966
510674	46990	LY2006	134.8093669	256.979875	243.0298355	6191.579664	8.720981839	1.439087249	17.11731817
510674	46990	LY2007	134.8093669	256.979875	243.0298355	6191.579664	8.720981839	1.439087249	17.11731817
510674	46991	LY2003	0	0	33.52450563	173.0297065	0	0	2.361231197
510674	46991	LY2004	0	0	33.52450563	173.0297065	0	0	2.361231197
510674	46991	LY2005	0	0	33.52450563	173.0297065	0	0	2.361231197
510674	46991	LY2006	0	0	33.52450563	173.0297065	0	0	2.361231197
510674	46991	LY2007	0	0	33.52450563	173.0297065	0	0	2.361231197
510856	69964	LY2003	0	139.2889137	1323.677255	519.0891195	0	0.780017889	93.23054789
510856	69964	LY2004	0	139.2889137	1323.677255	519.0891195	0	0.780017889	93.23054789
510856	69964	LY2005	0	139.2889137	1323.677255	519.0891195	0	0.780017889	93.23054789
510856	69964	LY2006	0	139.2889137	1323.677255	519.0891195	0	0.780017889	93.23054789
510856	69964	LY2007	0	139.2889137	1323.677255	519.0891195	0	0.780017889	93.23054789
512244	49767	LY2003	2.180174302	3.910471367	1.020875268	112.4693092	0.141038126	0.021898639	0.071903298
512244	49767	LY2004	2.180174302	3.910471367	1.020875268	112.4693092	0.141038126	0.021898639	0.071903298
512244	49767	LY2005	2.180174302	3.910471367	1.020875268	112.4693092	0.141038126	0.021898639	0.071903298

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEP Inspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
512244	49767	LY2006	2.180174302	3.910471367	1.020875268	112.4693092	0.141038126	0.021898639	0.071903298
512244	49767	LY2007	2.180174302	3.910471367	1.020875268	112.4693092	0.141038126	0.021898639	0.071903298
513596	51682	LY2003	0	0	349.0874329	0	0	0	24.58727194
513596	51682	LY2004	0	0	349.0874329	0	0	0	24.58727194
513596	51682	LY2005	0	0	349.0874329	0	0	0	24.58727194
513596	51682	LY2006	0	0	349.0874329	0	0	0	24.58727194
513596	51682	LY2007	0	0	349.0874329	0	0	0	24.58727194
513638	53007	LY2003	0	1497.247679	157.9328646	7835.001397	0	8.384586704	11.123684
513638	53007	LY2004	0	37.63396116	14.70752505	1514.009932	0	0.210750175	1.035894977
513638	53007	LY2005	429.6904378	1959.309091	123.8748507	13498.1195	27.79719682	10.97213052	8.724876219
513638	53007	LY2006	1289.071313	4343.045633	198.9841625	31145.34717	83.39159046	24.32105468	14.01504968
513638	53007	LY2007	429.6904378	1959.309091	123.8748507	13498.1195	27.79719682	10.97213052	8.724876219
513879	45943	LY2003	0	0	944.3096232	2941.50501	0	0	66.51055099
513879	45943	LY2004	0	0	577.4866454	3893.168396	0	0	40.67411158
513879	45943	LY2005	0	0	760.8981343	3417.336703	0	0	53.59233129
513879	45943	LY2006	0	0	760.8981343	3417.336703	0	0	53.59233129
513879	45943	LY2007	0	0	760.8981343	3417.336703	0	0	53.59233129
514203	46314	LY2003	33.23153173	24.89111922	5.164936739	605.9154262	2.149788189	0.139390263	0.363781942
514203	46314	LY2004	33.23153173	24.89111922	5.164936739	605.9154262	2.149788189	0.139390263	0.363781942
514203	46314	LY2005	33.23153173	24.89111922	5.164936739	605.9154262	2.149788189	0.139390263	0.363781942
514203	46314	LY2006	33.23153173	24.89111922	5.164936739	605.9154262	2.149788189	0.139390263	0.363781942
514203	46314	LY2007	33.23153173	24.89111922	5.164936739	605.9154262	2.149788189	0.139390263	0.363781942
515696	64666	LY2003	30.0767926	1201.645939	412.6249024	663.9053711	1.94570428	6.729217021	29.06240595
515696	64666	LY2004	12.26348045	0	54.27365127	461.4125507	0.79333946	0	3.82265558
515696	64666	LY2005	21.17013653	600.8229697	233.4492768	562.6589609	1.36952187	3.36460851	16.44253076
515696	64666	LY2006	21.17013653	600.8229697	233.4492768	562.6589609	1.36952187	3.36460851	16.44253076
515696	64666	LY2007	21.17013653	600.8229697	233.4492768	562.6589609	1.36952187	3.36460851	16.44253076
516756	46851	LY2003	0	0	0	0	0	0	0
516756	46851	LY2004	0	0	0	0	0	0	0
516756	46851	LY2005	0	0	0	0	0	0	0
516756	46851	LY2006	0	0	0	0	0	0	0
516756	46851	LY2007	0	0	0	0	0	0	0
522013	53749	LY2003	16.19990627	45.72309994	277.0638175	242.2415891	1.047991632	0.256049351	19.51443331
522013	53749	LY2004	16.19990627	45.72309994	277.0638175	242.2415891	1.047991632	0.256049351	19.51443331
522013	53749	LY2005	16.19990627	45.72309994	277.0638175	242.2415891	1.047991632	0.256049351	19.51443331
522013	53749	LY2006	16.19990627	45.72309994	277.0638175	242.2415891	1.047991632	0.256049351	19.51443331
522013	53749	LY2007	16.19990627	45.72309994	277.0638175	242.2415891	1.047991632	0.256049351	19.51443331
522083	56378	LY2003	262.1400053	397.1031764	123.0241213	23359.01038	16.95815564	2.223777709	8.664956804
522083	56378	LY2004	262.1400053	397.1031764	123.0241213	23359.01038	16.95815564	2.223777709	8.664956804
522083	56378	LY2005	262.1400053	397.1031764	123.0241213	23359.01038	16.95815564	2.223777709	8.664956804
522083	56378	LY2006	262.1400053	397.1031764	123.0241213	23359.01038	16.95815564	2.223777709	8.664956804
522083	56378	LY2007	262.1400053	397.1031764	123.0241213	23359.01038	16.95815564	2.223777709	8.664956804
523185	70965	LY2003	0	63.71818942	111.6041607	0	0	0.356821848	7.860614822
523185	70965	LY2004	0	63.71818942	111.6041607	0	0	0.356821848	7.860614822
523185	70965	LY2005	0	63.71818942	111.6041607	0	0	0.356821848	7.860614822
523185	70965	LY2006	0	63.71818942	111.6041607	0	0	0.356821848	7.860614822
523185	70965	LY2007	0	63.71818942	111.6041607	0	0	0.356821848	7.860614822
523428	52944	LY2003	0	96897.71707	2316.435196	214124.2618	0	542.6271963	163.1534588
523428	52944	LY2004	0	21555.17569	1601.389934	410080.4044	0	120.7089795	112.7906824
523428	52944	LY2005	0	18547.7031	1151.728984	324430.6997	0	103.8671337	81.11971691
523428	52944	LY2006	0	13915.91414	618.5812007	432574.2662	0	77.92911643	43.56852401

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
523428	52944	LY2007	0	20439.13408	1252.302501	467180.2075	0	114.4591468	88.2034105
523428	52945	LY2003	0	10291.48251	518.0076838	360118.0766	0	57.63230001	36.48483042
523428	52945	LY2004	0	3523.317399	0	181681.1918	0	19.73057673	0
523428	52945	LY2005	0	782.9594219	0	12977.22799	0	4.384572606	0
523428	52945	LY2006	0	24131.8764	2694.937679	383549.1827	0	135.138503	189.8125207
523428	52945	LY2007	0	22061.28758	1764.903006	337407.9277	0	123.543206	124.3073972
523529	51798	LY2003	0	10200.04994	713.9111665	116182.5237	0	57.12027765	50.28289862
523529	51798	LY2004	0	12586.70955	465.6181338	0	0	70.48557098	32.79487773
523529	51798	LY2005	0	11714.11113	908.4059591	269277.4807	0	65.59901999	63.98174855
523529	51798	LY2006	0	5860.227776	701.4739654	120390.7053	0	32.81727438	49.40690935
523529	51798	LY2007	0	10639.15132	780.1466077	75061.90883	0	59.57924525	54.94805884
523581	54717	LY2003	0	0	6.429062936	0	0	0	0.452818131
523581	54717	LY2004	0	0	6.429062936	0	0	0	0.452818131
523581	54717	LY2005	0	0	6.429062936	0	0	0	0.452818131
523581	54717	LY2006	0	0	6.429062936	0	0	0	0.452818131
523581	54717	LY2007	0	0	6.429062936	0	0	0	0.452818131
523581	54720	LY2003	89.26350223	108.098707	145.7944702	2823.58847	5.774564482	0.605352738	10.26874058
523581	54720	LY2004	89.26350223	108.098707	145.7944702	2823.58847	5.774564482	0.605352738	10.26874058
523581	54720	LY2005	0	57.97095965	206.429847	2179.513424	0	0.324637362	14.53947151
523581	54720	LY2006	267.7905067	189.629744	131.3403616	5231.445032	17.32369345	1.061926528	9.250694478
523581	54720	LY2007	0	76.6954174	99.61320203	1059.806952	0	0.429494322	7.016055741
523717	52874	LY2003	0	0	211.2260142	709.4217966	0	0	14.87727991
523717	52874	LY2004	0	104.336913	630.6932802	2076.356478	0	0.584286692	44.42161399
523717	52874	LY2005	0	52.16845651	420.9596472	1392.889137	0	0.292143346	29.64944695
523717	52874	LY2006	0	52.16845651	420.9596472	1392.889137	0	0.292143346	29.64944695
523717	52874	LY2007	0	52.16845651	420.9596472	1392.889137	0	0.292143346	29.64944695
524151	54980	LY2003	0	0	38.26119385	90.84059591	0	0	2.694850314
524151	54980	LY2004	0	0	23.79158464	0	0	0	1.675712462
524151	54980	LY2005	0	24.96818665	42.66912562	207.6356478	0	0.13982184	3.005314132
524151	54980	LY2006	0	8.322728882	34.90730137	99.49208124	0	0.04660728	2.458625636
524151	54980	LY2007	0	8.322728882	34.90730137	99.49208124	0	0.04660728	2.458625636
524519	54943	LY2003	0	31.27511945	9.084059591	778.6336792	0	0.175140663	0.639817486
524519	54943	LY2004	0	91.62193318	38.32067281	3144.274198	0	0.513082808	2.699039595
524519	54943	LY2005	0	57.42423384	26.83762843	1752.826975	0	0.321575698	1.890254436
524519	54943	LY2006	227.552088	641.0750626	157.4570329	7624.121442	14.72062122	3.590020222	11.09016975
524519	54943	LY2007	135.1794582	84.85337482	18.34508138	1430.444449	8.744923496	0.475178882	1.292098948
542304	58968	LY2003	52.98313804	502.0264679	1090.153239	2016.276719	3.427543614	2.81134812	76.78275302
542304	58968	LY2004	52.98313804	502.0264679	1090.153239	2016.276719	3.427543614	2.81134812	76.78275302
542304	58968	LY2005	19.44421327	337.4079277	154.2127259	821.8911059	1.257869796	1.889484328	10.8616635
542304	58968	LY2006	139.5052009	1081.796144	2502.44213	1982.632054	9.024761048	6.058058191	176.2544835
542304	58968	LY2007	0	86.8753318	613.8048599	3244.306997	0	0.486501841	43.23211204
542304	58970	LY2003	72.60038102	4784.992342	1115.104363	9704.082706	4.696606912	26.79595616	78.5401353
542304	58970	LY2004	237.9158464	5828.938238	2605.178518	12977.22799	15.39106535	32.64205297	183.4905146
542304	58970	LY2005	0	10868.42844	2092.578013	5190.891195	0	60.86319709	147.3865279
542304	58970	LY2006	103.5054091	7160.78634	1937.620298	9290.733963	6.695890755	40.10040207	136.4723926
542304	58970	LY2007	103.5054091	7160.78634	1937.620298	9290.733963	6.695890755	40.10040207	136.4723926
543063	49153	LY2003	1922.197824	10106.82142	2768.948756	34485.41529	124.3493141	56.59819796	195.0253423
543063	49153	LY2004	1922.197824	10106.82142	2768.948756	34485.41529	124.3493141	56.59819796	195.0253423
543063	49153	LY2005	1922.197824	10106.82142	2768.948756	34485.41529	124.3493141	56.59819796	195.0253423
543063	49153	LY2006	0	8481.724798	2080.416187	39262.06256	0	47.49765718	146.5299342
543063	49153	LY2007	3844.395648	11731.91805	3457.481326	29708.76803	248.6986283	65.69873873	243.5207504



**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

<b>Primary Facility ID</b>	<b>Outfall Number</b>	<b>Loadings Year</b>	<b>Aluminum Loads (lb/yr) (a)</b>	<b>Iron Loads (lb/yr) (a)</b>	<b>Manganese Loads (lb/yr) (a)</b>	<b>TSS Loads (lb/yr) (a)</b>	<b>Aluminum TWPE</b>	<b>Iron TWPE</b>	<b>Manganese TWPE</b>
543063	49154	LY2003	0	10.64132695	1.972538654	77.86336792	0	0.059591429	0.138931797
543063	49154	LY2004	0	10.64132695	1.972538654	77.86336792	0	0.059591429	0.138931797
543063	49154	LY2005	0	10.64132695	1.972538654	77.86336792	0	0.059591429	0.138931797
543063	49154	LY2006	0	10.64132695	1.972538654	77.86336792	0	0.059591429	0.138931797
543063	49154	LY2007	0	10.64132695	1.972538654	77.86336792	0	0.059591429	0.138931797
544041	55294	LY2003	14.08029237	14.53449535	8.121581849	0	0.910871231	0.081393171	0.5720273
544041	55294	LY2004	0	0	3.860725326	136.2608939	0	0	0.271922431
544041	55294	LY2005	0	232.4502225	457.7259605	1488.906205	0	1.3017212	32.23900836
544041	55294	LY2006	25.348852	15.70244586	5.186565452	69.2118826	1.639848054	0.087933694	0.365305317
544041	55294	LY2007	0	0	5.536950608	129.7722799	0	0	0.389983991
546747	68096	LY2003	0	0	34.45048492	2685.001988	0	0	2.426450687
546747	68096	LY2004	253.2722329	271.5484956	68.94152368	7137.475393	16.38448866	1.520671521	4.855757703
546747	68096	LY2005	452.2271966	1301.61056	236.5380974	27360.32234	29.25512714	7.289018876	16.66008564
546747	68096	LY2006	553.154343	838.2207844	222.2079934	16329.67855	35.78422695	4.694036225	15.65077355
546747	68096	LY2007	367.3276477	670.2377777	260.7701868	26387.03024	23.76287211	3.753331421	18.36682417
546969	63192	LY2003	0	0	3425.71783	2946.912189	0	0	241.2835523
546969	63192	LY2004	0	0	3425.71783	2946.912189	0	0	241.2835523
546969	63192	LY2005	0	0	3425.71783	2946.912189	0	0	241.2835523
546969	63192	LY2006	0	0	3425.71783	2946.912189	0	0	241.2835523
546969	63192	LY2007	0	0	3425.71783	2946.912189	0	0	241.2835523
547221	60312	LY2003	3.383812198	3.49606522	74.12008651	174.8140753	0.218902925	0.019577965	5.22049937
547221	60312	LY2004	0	2.489032328	54.09254684	225.803767	0	0.013938581	3.809899854
547221	60312	LY2005	6.767624395	4.503098112	94.14762618	123.8243837	0.43780585	0.025217349	6.631098887
547221	60312	LY2006	3.383812198	3.49606522	74.12008651	174.8140753	0.218902925	0.019577965	5.22049937
547221	60312	LY2007	3.383812198	3.49606522	74.12008651	174.8140753	0.218902925	0.019577965	5.22049937
547483	64459	LY2003	33.48124821	41.65690184	2.880944613	1012.223783	2.165942651	0.233278642	0.202913545
547483	64459	LY2004	21.55517569	23.56664602	1.894675286	570.9980314	1.394430521	0.131973213	0.133447647
547483	64459	LY2005	21.55517569	23.56664602	1.894675286	570.9980314	1.394430521	0.131973213	0.133447647
547483	64459	LY2006	9.629103167	5.476390211	0.908405959	129.7722799	0.62291839	0.030667784	0.063981749
547483	64459	LY2007	21.55517569	23.56664602	1.894675286	570.9980314	1.394430521	0.131973213	0.133447647
548511	62285	LY2003	410.5129787	343.8965417	1773.554492	0	26.55658367	1.925820565	124.9167472
548511	62285	LY2004	410.5129787	343.8965417	1773.554492	0	26.55658367	1.925820565	124.9167472
548511	62285	LY2005	410.5129787	343.8965417	1773.554492	0	26.55658367	1.925820565	124.9167472
548511	62285	LY2006	410.5129787	343.8965417	1773.554492	0	26.55658367	1.925820565	124.9167472
548511	62285	LY2007	410.5129787	343.8965417	1773.554492	0	26.55658367	1.925820565	124.9167472
550007	71911	LY2003	68.5630212	52.01705552	43.25742662	1167.950519	4.435425197	0.2912955	3.046749931
550007	71911	LY2004	91.24433189	30.25136035	61.71392865	2811.732731	5.902706761	0.169407612	4.346696568
550007	71911	LY2005	235.8971665	1989.841625	353.4131755	0	15.2604745	11.1431127	24.89194694
550007	71911	LY2006	174.3634772	74.53795325	180.5817322	901.196388	11.27978532	0.417412523	12.71891148
550007	71911	LY2007	142.5169992	536.6619985	159.7415658	1220.219909	9.219597943	3.005307084	11.25107623
551383	60613	LY2003	0	85.40638169	32.75830846	2945.019676	0	0.47827572	2.307265638
551383	60613	LY2004	0	85.40638169	32.75830846	2945.019676	0	0.47827572	2.307265638
551383	60613	LY2005	0	85.40638169	32.75830846	2945.019676	0	0.47827572	2.307265638
551383	60613	LY2006	0	170.8127634	45.43651949	4663.691308	0	0.956551441	3.200229959
551383	60613	LY2007	0	0	20.08009744	1226.348045	0	0	1.414301318
551600	65666	LY2003	472.4386885	1117.285258	702.6898596	7661.971691	30.56263313	6.256797221	49.49254841
551600	65666	LY2004	261.2099707	670.4468552	294.3235307	5142.827388	16.89799057	3.754502256	20.73008653
551600	65666	LY2005	74.18648666	273.2831184	272.3747125	3737.44166	4.799214015	1.530385409	19.18416562
551600	65666	LY2006	310.1692668	817.2048846	272.4722219	8002.623925	20.06522696	4.576347191	19.1910335
551600	65666	LY2007	279.5011032	719.5550291	385.4650812	6136.216166	18.08126617	4.029508019	27.14945851
555629	64231	LY2003	369.0939927	845.6826905	141.5599286	22493.86184	23.87713911	4.735822898	9.970489149

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
555629	64231	LY2004	16.91365381	15.98361914	8.846143745	173.0297065	1.094164828	0.089508264	0.623060361
555629	64231	LY2005	139.7593382	243.8680683	51.08053223	6149.043195	9.041201504	1.365661134	3.597754656
555629	64231	LY2006	0	1.336654483	2.872293128	25.95445597	0	0.007485265	0.202304195
555629	64231	LY2007	173.0297065	112.4693092	51.04376342	1903.326771	11.19350207	0.629828109	3.595164919
555629	64235	LY2003	289.175897	349.4810754	118.8497796	9090.548205	18.70714034	1.957093953	8.370945435
555629	64235	LY2004	0	0	0.488808921	0	0	0	0.034428274
555629	64235	LY2005	2.184500045	1.596199042	3.110208974	0	0.141317964	0.008938714	0.21906132
555629	64235	LY2006	97.12013234	117.0257582	40.81626585	3030.182735	6.282819435	0.655344222	2.874811677
555629	64235	LY2007	97.12013234	117.0257582	40.81626585	3030.182735	6.282819435	0.655344222	2.874811677
558156	63549	LY2003	0	0	2.370506979	86.51485325	0	0	0.166961896
558156	63549	LY2004	0	0	2.370506979	86.51485325	0	0	0.166961896
558156	63549	LY2005	0	0	2.370506979	86.51485325	0	0	0.166961896
558156	63549	LY2006	0	0	2.370506979	86.51485325	0	0	0.166961896
558156	63549	LY2007	0	0	2.370506979	86.51485325	0	0	0.166961896
559018	64402	LY2003	475.9265708	393.4398491	39.77578055	9370.567947	30.78826848	2.203263077	2.801527185
559018	64402	LY2004	475.9265708	393.4398491	39.77578055	9370.567947	30.78826848	2.203263077	2.801527185
559018	64402	LY2005	475.9265708	393.4398491	39.77578055	9370.567947	30.78826848	2.203263077	2.801527185
559018	64402	LY2006	301.6628741	169.0356041	37.65414796	4921.253236	19.51493808	0.946599349	2.652094257
559018	64402	LY2007	650.1902675	617.8440942	41.89741313	13819.88266	42.06159888	3.459926804	2.950960113
559018	64403	LY2003	262.2433425	243.8916196	19.72947196	4215.304049	16.96484065	1.365793021	1.389605717
559018	64403	LY2004	572.1731915	357.4462096	51.23337514	2437.159464	37.01457938	2.001698702	3.608519839
559018	64403	LY2005	262.2433425	243.8916196	19.72947196	4215.304049	16.96484065	1.365793021	1.389605717
559018	64403	LY2006	214.5568361	372.013869	6.696249641	10208.75268	13.87994257	2.083277592	0.471636889
559018	64403	LY2007	0	2.214780243	1.258791115	0	0	0.012402769	0.088660423
559018	80828	LY2003	67.42715327	55.18789698	11.21506462	1511.378438	4.36194452	0.309052212	0.789910543
559018	80828	LY2004	67.42715327	55.18789698	11.21506462	1511.378438	4.36194452	0.309052212	0.789910543
559018	80828	LY2005	95.37613709	92.02455168	14.49815911	2757.44466	6.169998262	0.515337471	1.021148707
559018	80828	LY2006	39.47816945	18.35124229	7.931970129	265.3122166	2.553890778	0.102766953	0.558672379
559018	80828	LY2007	67.42715327	55.18789698	11.21506462	1511.378438	4.36194452	0.309052212	0.789910543
559865	66699	LY2003	4.131084243	34.15065688	95.09820813	30.28019864	0.267244862	0.191243672	6.698051217
559865	66699	LY2004	4.131084243	34.15065688	95.09820813	30.28019864	0.267244862	0.191243672	6.698051217
559865	66699	LY2005	4.131084243	34.15065688	95.09820813	30.28019864	0.267244862	0.191243672	6.698051217
559865	66699	LY2006	8.262168485	4.842668911	0.728887639	60.56039727	0.534489724	0.027118945	0.051337736
559865	66699	LY2007	0	63.45864486	189.4675286	0	0	0.355368399	13.3447647
562159	72878	LY2003	0	10813.20312	3034.580573	8231.888287	0	60.55393534	213.7345856
562159	72878	LY2004	0	10813.20312	3034.580573	8231.888287	0	60.55393534	213.7345856
562159	72878	LY2005	0	10813.20312	3034.580573	8231.888287	0	60.55393534	213.7345856
562159	72878	LY2006	0	10813.20312	3034.580573	8231.888287	0	60.55393534	213.7345856
562159	72878	LY2007	0	10813.20312	3034.580573	8231.888287	0	60.55393534	213.7345856
562440	66969	LY2003	145.8640426	226.6689155	17.99508948	20071.44595	9.436122249	1.269345882	1.267447971
562440	66969	LY2004	145.8640426	226.6689155	17.99508948	20071.44595	9.436122249	1.269345882	1.267447971
562440	66969	LY2005	145.8640426	226.6689155	17.99508948	20071.44595	9.436122249	1.269345882	1.267447971
562440	66969	LY2006	145.8640426	226.6689155	17.99508948	20071.44595	9.436122249	1.269345882	1.267447971
562440	66969	LY2007	145.8640426	226.6689155	17.99508948	20071.44595	9.436122249	1.269345882	1.267447971
562608	79384	LY2003	105.548121	381.5305028	82.27562544	5709.980314	6.828036266	2.13657074	5.794918369
562608	79384	LY2004	105.548121	381.5305028	82.27562544	5709.980314	6.828036266	2.13657074	5.794918369
562608	79384	LY2005	105.548121	381.5305028	82.27562544	5709.980314	6.828036266	2.13657074	5.794918369
562608	79384	LY2006	105.548121	381.5305028	82.27562544	5709.980314	6.828036266	2.13657074	5.794918369
562608	79384	LY2007	105.548121	381.5305028	82.27562544	5709.980314	6.828036266	2.13657074	5.794918369
565374	91464	LY2003	9.931184196	388.3802623	194.8041072	847.2687961	0.642460379	2.174929391	13.72063589
565374	91464	LY2004	9.931184196	388.3802623	194.8041072	847.2687961	0.642460379	2.174929391	13.72063589

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEP Inspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
565374	91464	LY2005	9.931184196	388.3802623	194.8041072	847.2687961	0.642460379	2.174929391	13.72063589
565374	91464	LY2006	0	536.6095668	169.3150831	1024.768437	0	3.005013467	11.92536769
565374	91464	LY2007	19.86236839	240.1509577	220.2931313	669.7691556	1.284920759	1.344845315	15.51590409
568081	70745	LY2003	257.3276166	542.2282379	105.0813012	11979.60359	16.64683637	3.036478024	7.401190322
568081	70745	LY2004	257.3276166	542.2282379	105.0813012	11979.60359	16.64683637	3.036478024	7.401190322
568081	70745	LY2005	257.3276166	542.2282379	105.0813012	11979.60359	16.64683637	3.036478024	7.401190322
568081	70745	LY2006	0	45.52123195	31.52024487	389.3168396	0	0.25491889	2.220065116
568081	70745	LY2007	514.6552333	1038.935244	178.6423576	23569.89033	33.29367273	5.818037159	12.58231553
570583	73303	LY2003	0	0	78.51222932	389.3168396	0	0	5.529851125
570583	73303	LY2004	127.1768343	113.161428	366.8229778	2076.356478	8.227224025	0.633703974	25.83643941
570583	73303	LY2005	63.58841714	56.58071402	222.6676035	1232.836659	4.113612012	0.316851987	15.68314527
570583	73303	LY2006	63.58841714	56.58071402	222.6676035	1232.836659	4.113612012	0.316851987	15.68314527
570583	73303	LY2007	63.58841714	56.58071402	222.6676035	1232.836659	4.113612012	0.316851987	15.68314527
570895	74759	LY2003	0	3.968868893	0	648.8613994	0	0.022225665	0
570895	74759	LY2004	0	3.968868893	0	648.8613994	0	0.022225665	0
570895	74759	LY2005	0	3.968868893	0	648.8613994	0	0.022225665	0
570895	74759	LY2006	0	7.937737786	0	0	0	0.04445133	0
570895	74759	LY2007	0	0	0	1297.722799	0	0	0
570895	74761	LY2003	0	0	0	4798.870766	0	0	0
570895	74761	LY2004	0	0	0	4798.870766	0	0	0
570895	74761	LY2005	0	0	0	4798.870766	0	0	0
570895	74761	LY2006	0	0	0	4798.870766	0	0	0
570895	74761	LY2007	0	0	0	4798.870766	0	0	0
571276	72247	LY2003	4.612323114	3.966645942	32.81779944	61.14317094	0.29837679	0.022213216	2.311455766
571276	72247	LY2004	4.612323114	3.966645942	32.81779944	61.14317094	0.29837679	0.022213216	2.311455766
571276	72247	LY2005	0	0	29.91683625	0	0	0	2.107132252
571276	72247	LY2006	13.83696934	3.571441286	36.53414109	61.15518689	0.895130369	0.02000007	2.573208823
571276	72247	LY2007	0	8.328496539	32.00242098	122.2743259	0	0.046639579	2.254026222
571908	69816	LY2003	4563.658509	5320.663475	91.92203158	99059.50697	295.2286172	29.7957144	6.474343603
571908	69816	LY2004	4563.658509	5320.663475	91.92203158	99059.50697	295.2286172	29.7957144	6.474343603
571908	69816	LY2005	4563.658509	5320.663475	91.92203158	99059.50697	295.2286172	29.7957144	6.474343603
571908	69816	LY2006	4563.658509	5320.663475	91.92203158	99059.50697	295.2286172	29.7957144	6.474343603
571908	69816	LY2007	4563.658509	5320.663475	91.92203158	99059.50697	295.2286172	29.7957144	6.474343603
571908	69817	LY2003	0	0	0	0	0	0	0
571908	69817	LY2004	1746.5186	2514.337923	53.42292188	49529.75348	112.9844116	14.08029186	3.762736165
571908	69817	LY2005	3493.0372	5028.675845	106.8458438	99059.50697	225.9688231	28.16058373	7.52547233
571908	69817	LY2006	1746.5186	2514.337923	53.42292188	49529.75348	112.9844116	14.08029186	3.762736165
571908	69817	LY2007	1746.5186	2514.337923	53.42292188	49529.75348	112.9844116	14.08029186	3.762736165
571908	69818	LY2003	220.6128758	255.2188171	3.114534717	4369.000089	14.27171515	1.429225325	0.219365995
571908	69818	LY2004	220.6128758	255.2188171	3.114534717	4369.000089	14.27171515	1.429225325	0.219365995
571908	69818	LY2005	220.6128758	255.2188171	3.114534717	4369.000089	14.27171515	1.429225325	0.219365995
571908	69818	LY2006	220.6128758	255.2188171	3.114534717	4369.000089	14.27171515	1.429225325	0.219365995
571908	69818	LY2007	220.6128758	255.2188171	3.114534717	4369.000089	14.27171515	1.429225325	0.219365995
571981	69953	LY2003	70.29331826	60.77668441	15.4429013	2854.990157	4.547360218	0.340349421	1.087689725
571981	69953	LY2004	70.29331826	60.77668441	15.4429013	2854.990157	4.547360218	0.340349421	1.087689725
571981	69953	LY2005	70.29331826	60.77668441	15.4429013	2854.990157	4.547360218	0.340349421	1.087689725
571981	69953	LY2006	70.29331826	60.77668441	15.4429013	2854.990157	4.547360218	0.340349421	1.087689725
571981	69953	LY2007	70.29331826	60.77668441	15.4429013	2854.990157	4.547360218	0.340349421	1.087689725
573563	70253	LY2003	0	96.46406137	27.72801047	865.1485325	0	0.540198724	1.952966706
573563	70253	LY2004	0	96.46406137	27.72801047	865.1485325	0	0.540198724	1.952966706
573563	70253	LY2005	0	96.46406137	27.72801047	865.1485325	0	0.540198724	1.952966706

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEP Inspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
573563	70253	LY2006	0	96.46406137	27.72801047	865.1485325	0	0.540198724	1.952966706
573563	70253	LY2007	0	96.46406137	27.72801047	865.1485325	0	0.540198724	1.952966706
573920	75971	LY2003	249.4511602	367.8683656	174.7780275	6975.260043	16.13729882	2.060062774	12.3101392
573920	75971	LY2004	249.4511602	367.8683656	174.7780275	6975.260043	16.13729882	2.060062774	12.3101392
573920	75971	LY2005	0	300.3146843	304.5863552	5893.824378	0	1.681762172	21.45292795
573920	75971	LY2006	0	0	63.15584287	2919.876297	0	0	4.448254899
573920	75971	LY2007	748.3534806	803.2904124	156.5918844	12112.07945	48.41189647	4.498426149	11.02923475
574474	73769	LY2003	0	0	12.97722799	1557.267358	0	0	0.914024979
574474	73769	LY2004	0	0	12.97722799	1557.267358	0	0	0.914024979
574474	73769	LY2005	0	0	12.97722799	1557.267358	0	0	0.914024979
574474	73769	LY2006	0	0	12.97722799	1557.267358	0	0	0.914024979
574474	73769	LY2007	0	0	12.97722799	1557.267358	0	0	0.914024979
574826	71463	LY2003	896.5101668	1073.324898	53.96363971	33740.79277	57.99633262	6.010619215	3.800820539
574826	71463	LY2004	896.5101668	1073.324898	53.96363971	33740.79277	57.99633262	6.010619215	3.800820539
574826	71463	LY2005	896.5101668	1073.324898	53.96363971	33740.79277	57.99633262	6.010619215	3.800820539
574826	71463	LY2006	896.5101668	1073.324898	53.96363971	33740.79277	57.99633262	6.010619215	3.800820539
574826	71463	LY2007	896.5101668	1073.324898	53.96363971	33740.79277	57.99633262	6.010619215	3.800820539
574837	71304	LY2003	0	7.937737786	2.011470338	259.5445597	0	0.04445133	0.141673872
574837	71304	LY2004	0	0	13.84237652	0	0	0	0.974959978
574837	71304	LY2005	38.94033545	72.25287969	36.20862896	1232.836659	2.519097642	0.404616112	2.55028203
574837	71304	LY2006	0	183.4114889	58.0082091	1514.009932	0	1.027104301	4.085691657
574837	71304	LY2007	155.7613418	97.66229209	70.97245986	3157.792144	10.07639057	0.546908816	4.998802612
626806	73145	LY2003	1410.444443	636.0283628	99.74802101	13849.58609	91.24336577	3.561758705	7.025551445
626806	73145	LY2004	1410.444443	636.0283628	99.74802101	13849.58609	91.24336577	3.561758705	7.025551445
626806	73145	LY2005	1410.444443	636.0283628	99.74802101	13849.58609	91.24336577	3.561758705	7.025551445
626806	73145	LY2006	1876.579263	803.5787953	70.65379682	19004.42943	121.398194	4.500041093	4.976358221
626806	73145	LY2007	944.3096232	468.4779303	128.8422452	8694.742751	61.08853757	2.623476316	9.074744669
627286	71855	LY2003	60.279224	32.0710561	4.267345136	139.5052009	3.899536285	0.179597908	0.300561881
627286	71855	LY2004	60.279224	32.0710561	4.267345136	139.5052009	3.899536285	0.179597908	0.300561881
627286	71855	LY2005	60.279224	32.0710561	4.267345136	139.5052009	3.899536285	0.179597908	0.300561881
627286	71855	LY2006	60.279224	32.0710561	4.267345136	139.5052009	3.899536285	0.179597908	0.300561881
627286	71855	LY2007	60.279224	32.0710561	4.267345136	139.5052009	3.899536285	0.179597908	0.300561881
627405	73389	LY2003	17.82205977	37.54744631	8.945635826	553.6950608	1.152930714	0.210265692	0.630067886
627405	73389	LY2004	58.18123881	54.72064468	10.0789804	2941.50501	3.763815073	0.306435599	0.709892734
627405	73389	LY2005	38.00164929	46.13404549	9.512308115	1747.600036	2.458372893	0.258350646	0.66998031
627405	73389	LY2006	38.00164929	46.13404549	9.512308115	1747.600036	2.458372893	0.258350646	0.66998031
627405	73389	LY2007	38.00164929	46.13404549	9.512308115	1747.600036	2.458372893	0.258350646	0.66998031
628348	74618	LY2003	351.7826109	554.1093708	27.00657272	8701.111206	22.75724478	3.103012366	1.902153687
628348	74618	LY2004	351.7826109	554.1093708	27.00657272	8701.111206	22.75724478	3.103012366	1.902153687
628348	74618	LY2005	912.7317018	1583.221814	23.61855494	24570.21832	59.04572344	8.866041845	1.663525462
628348	74618	LY2006	140.1180144	76.92612368	57.09619836	1521.219503	9.064404701	0.430786277	4.021456013
628348	74618	LY2007	2.498116388	2.180174302	0.304964858	11.89579232	0.161606186	0.012208976	0.021479587
630226	72454	LY2003	408.3501073	918.7877415	6575.128847	10727.8418	26.4166649	5.145211169	463.1059895
630226	72454	LY2004	408.3501073	918.7877415	6575.128847	10727.8418	26.4166649	5.145211169	463.1059895
630226	72454	LY2005	408.3501073	918.7877415	6575.128847	10727.8418	26.4166649	5.145211169	463.1059895
630226	72454	LY2006	408.3501073	918.7877415	6575.128847	10727.8418	26.4166649	5.145211169	463.1059895
630226	72454	LY2007	408.3501073	918.7877415	6575.128847	10727.8418	26.4166649	5.145211169	463.1059895
630290	71826	LY2003	313.1837688	147.9403991	24.65673318	6748.158553	20.26023876	0.828466205	1.736647461
630290	71826	LY2004	313.1837688	147.9403991	24.65673318	6748.158553	20.26023876	0.828466205	1.736647461
630290	71826	LY2005	313.1837688	147.9403991	24.65673318	6748.158553	20.26023876	0.828466205	1.736647461
630290	71826	LY2006	313.1837688	147.9403991	24.65673318	6748.158553	20.26023876	0.828466205	1.736647461

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
630290	71826	LY2007	313.1837688	147.9403991	24.65673318	6748.158553	20.26023876	0.828466205	1.736647461
630290	71831	LY2003	0	24.33230248	265.6005995	173.0297065	0	0.136260889	18.70704458
630290	71831	LY2004	0	48.66460495	340.0033733	259.5445597	0	0.272521778	23.94745446
630290	71831	LY2005	0	0	191.1978257	86.51485325	0	0	13.46663469
630290	71831	LY2006	0	24.33230248	265.6005995	173.0297065	0	0.136260889	18.70704458
630290	71831	LY2007	0	24.33230248	265.6005995	173.0297065	0	0.136260889	18.70704458
630634	75447	LY2003	0	31.57792144	35.99017895	865.1485325	0	0.176836354	2.534895943
630634	75447	LY2004	0	31.57792144	35.99017895	865.1485325	0	0.176836354	2.534895943
630634	75447	LY2005	0	31.57792144	35.99017895	865.1485325	0	0.176836354	2.534895943
630634	75447	LY2006	0	31.57792144	35.99017895	865.1485325	0	0.176836354	2.534895943
630634	75447	LY2007	0	31.57792144	35.99017895	865.1485325	0	0.176836354	2.534895943
631376	72744	LY2003	6315.584287	8391.940765	199.6330239	210.6636677	408.5628257	46.99486661	14.06075093
631376	72744	LY2004	6315.584287	8391.940765	199.6330239	210.6636677	408.5628257	46.99486661	14.06075093
631376	72744	LY2005	6315.584287	8391.940765	199.6330239	210.6636677	408.5628257	46.99486661	14.06075093
631376	72744	LY2006	6315.584287	8391.940765	199.6330239	210.6636677	408.5628257	46.99486661	14.06075093
631376	72744	LY2007	6315.584287	8391.940765	199.6330239	210.6636677	408.5628257	46.99486661	14.06075093
632601	73189	LY2003	0	34.5050073	545.6924369	836.3102481	0	0.193228034	38.43475038
632601	73189	LY2004	0	34.5050073	545.6924369	836.3102481	0	0.193228034	38.43475038
632601	73189	LY2005	0	34.5050073	545.6924369	836.3102481	0	0.193228034	38.43475038
632601	73189	LY2006	0	34.5050073	545.6924369	836.3102481	0	0.193228034	38.43475038
632601	73189	LY2007	0	34.5050073	545.6924369	836.3102481	0	0.193228034	38.43475038
632785	76927	LY2003	30.04228279	24.6999906	28.63641643	519.0891195	1.943471798	0.138319942	2.016948454
632785	76927	LY2004	30.04228279	24.6999906	28.63641643	519.0891195	1.943471798	0.138319942	2.016948454
632785	76927	LY2005	30.04228279	24.6999906	28.63641643	519.0891195	1.943471798	0.138319942	2.016948454
632785	76927	LY2006	30.04228279	24.6999906	28.63641643	519.0891195	1.943471798	0.138319942	2.016948454
632785	76927	LY2007	30.04228279	24.6999906	28.63641643	519.0891195	1.943471798	0.138319942	2.016948454
634231	83407	LY2003	169.6051602	248.3246647	141.8212756	4639.359005	10.97196401	1.390618073	9.988896597
634231	83407	LY2004	169.6051602	248.3246647	141.8212756	4639.359005	10.97196401	1.390618073	9.988896597
634231	83407	LY2005	0	0	0	3460.59413	0	0	0
634231	83407	LY2006	0	271.5214597	134.7739198	5482.878825	0	1.52052012	9.492530254
634231	83407	LY2007	508.8154807	473.4525344	290.6899069	4974.604062	32.91589204	2.651334098	20.47415954
634368	75249	LY2003	66.23793452	147.453753	27.50090898	3029.642017	4.285012513	0.825740987	1.936971269
634368	75249	LY2004	66.23793452	147.453753	27.50090898	3029.642017	4.285012513	0.825740987	1.936971269
634368	75249	LY2005	66.23793452	147.453753	27.50090898	3029.642017	4.285012513	0.825740987	1.936971269
634368	75249	LY2006	66.23793452	147.453753	27.50090898	3029.642017	4.285012513	0.825740987	1.936971269
634368	75249	LY2007	66.23793452	147.453753	27.50090898	3029.642017	4.285012513	0.825740987	1.936971269
634368	75250	LY2003	285.3548243	341.4577841	1492.410057	11070.05611	18.4599505	1.912163523	105.1149038
634368	75250	LY2004	0	0	8.045881352	0	0	0	0.566695487
634368	75250	LY2005	320.6240461	610.9534745	2819.865127	26583.13057	20.74155934	3.421339335	198.6115345
634368	75250	LY2006	535.4404268	413.4198777	1649.319162	6627.037759	34.63829217	2.315151233	116.1664814
634368	75250	LY2007	285.3548243	341.4577841	1492.410057	11070.05611	18.4599505	1.912163523	105.1149038
634368	89367	LY2003	0	86.08227898	25.52188171	1297.722799	0	0.482060745	1.797582459
634368	89367	LY2004	0	86.08227898	25.52188171	1297.722799	0	0.482060745	1.797582459
634368	89367	LY2005	0	86.08227898	25.52188171	1297.722799	0	0.482060745	1.797582459
634368	89367	LY2006	0	86.08227898	25.52188171	1297.722799	0	0.482060745	1.797582459
634368	89367	LY2007	0	86.08227898	25.52188171	1297.722799	0	0.482060745	1.797582459
634719	71753	LY2003	0	27.81452532	98.6269327	0	0	0.155761336	6.946589843
634719	71753	LY2004	0	22.83992126	277.7126789	0	0	0.127903554	19.56013456
634719	71753	LY2005	0	25.32722329	188.1698058	0	0	0.141832445	13.2533622
634719	71753	LY2006	0	25.32722329	188.1698058	0	0	0.141832445	13.2533622
634719	71753	LY2007	0	25.32722329	188.1698058	0	0	0.141832445	13.2533622

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
636335	78361	LY2003	0	31462.02693	12701.35741	222942.4865	0	176.1873445	894.5945898
636335	78361	LY2004	0	116765.3124	31933.2091	189773.9354	0	653.8857261	2249.151422
636335	78361	LY2005	0	4512.107471	6014.166782	231805.0861	0	25.26780094	423.5957535
636335	78361	LY2006	0	0	5296.763747	169335.5223	0	0	373.0669122
636335	78361	LY2007	0	4570.687841	7561.29003	300855.4022	0	25.595851	532.5642711
636517	78783	LY2003	6246.372405	573.2474176	558.7129223	29415.0501	404.0854249	3.210185424	39.35182211
636517	78783	LY2004	6246.372405	573.2474176	558.7129223	29415.0501	404.0854249	3.210185424	39.35182211
636517	78783	LY2005	6246.372405	573.2474176	558.7129223	29415.0501	404.0854249	3.210185424	39.35182211
636517	78783	LY2006	6246.372405	573.2474176	558.7129223	29415.0501	404.0854249	3.210185424	39.35182211
636517	78783	LY2007	6246.372405	573.2474176	558.7129223	29415.0501	404.0854249	3.210185424	39.35182211
638074	73828	LY2003	490.9717922	1671.899539	3071.27729	18168.11918	31.76156214	9.362637085	216.3192451
638074	73828	LY2004	490.9717922	1671.899539	3071.27729	18168.11918	31.76156214	9.362637085	216.3192451
638074	73828	LY2005	490.9717922	1671.899539	3071.27729	18168.11918	31.76156214	9.362637085	216.3192451
638074	73828	LY2006	490.9717922	1671.899539	3071.27729	18168.11918	31.76156214	9.362637085	216.3192451
638074	73828	LY2007	490.9717922	1671.899539	3071.27729	18168.11918	31.76156214	9.362637085	216.3192451
638458	76595	LY2003	204.0308622	443.6529738	368.3562132	21354.74961	13.19900453	2.484456565	25.94442977
638458	76595	LY2004	612.0925867	1277.536	992.4695582	53350.82617	39.59701359	7.154201343	69.90259925
638458	76595	LY2005	0	0	23.48878266	8983.125596	0	0	1.654385213
638458	76595	LY2006	0	53.42292188	89.11029885	1730.297065	0	0.299168352	6.276304858
638458	76595	LY2007	204.0308622	443.6529738	368.3562132	21354.74961	13.19900453	2.484456565	25.94442977
641505	76423	LY2003	0	0	34.08685218	519.0891195	0	0	2.400838946
641505	76423	LY2004	0	0	34.08685218	519.0891195	0	0	2.400838946
641505	76423	LY2005	0	0	34.08685218	519.0891195	0	0	2.400838946
641505	76423	LY2006	0	0	34.08685218	519.0891195	0	0	2.400838946
641505	76423	LY2007	0	0	34.08685218	519.0891195	0	0	2.400838946
643343	78692	LY2003	288.928068	256.6742492	232.7001723	9734.047486	18.69110798	1.437375745	16.38976909
643343	78692	LY2004	391.8401895	506.6886572	363.7949579	17302.97065	25.34861824	2.837456379	25.62316692
643343	78692	LY2005	312.7872423	166.7393557	209.9246866	10426.84221	20.23458698	0.933740359	14.78562352
643343	78692	LY2006	154.4109891	108.4499733	175.9405708	3573.243678	9.989034612	0.607319829	12.3920206
643343	78692	LY2007	296.6738509	244.8190108	181.140474	7633.133406	19.1921921	1.370986411	12.75826534
644232	76866	LY2003	3135.514569	668.3272413	0	28117.32731	202.8402495	3.742632418	0
644232	76866	LY2004	3135.514569	668.3272413	0	28117.32731	202.8402495	3.742632418	0
644232	76866	LY2005	3135.514569	668.3272413	0	28117.32731	202.8402495	3.742632418	0
644232	76866	LY2006	3135.514569	668.3272413	0	28117.32731	202.8402495	3.742632418	0
644232	76866	LY2007	3135.514569	668.3272413	0	28117.32731	202.8402495	3.742632418	0
646058	80826	LY2003	86.58651202	21.31728169	125.4779425	1574.821572	5.60138673	0.119376773	8.837786771
646058	80826	LY2004	86.58651202	21.31728169	125.4779425	1574.821572	5.60138673	0.119376773	8.837786771
646058	80826	LY2005	60.74817383	0	137.4003338	1723.808451	3.92987322	0	9.677516446
646058	80826	LY2006	121.8597756	33.59299656	103.8953268	1577.093679	7.883257034	0.188120774	7.317658595
646058	80826	LY2007	77.15158663	30.3588485	135.138167	1423.562585	4.991029936	0.170009546	9.518185273
646142	77177	LY2003	48.55646139	62.8746696	61.15518689	2422.415891	3.14117652	0.352098137	4.307342715
646142	77177	LY2004	48.55646139	62.8746696	61.15518689	2422.415891	3.14117652	0.352098137	4.307342715
646142	77177	LY2005	48.55646139	62.8746696	61.15518689	2422.415891	3.14117652	0.352098137	4.307342715
646142	77177	LY2006	48.55646139	62.8746696	61.15518689	2422.415891	3.14117652	0.352098137	4.307342715
646142	77177	LY2007	48.55646139	62.8746696	61.15518689	2422.415891	3.14117652	0.352098137	4.307342715
648223	80644	LY2003	0	20383.29204	8187.952336	119238.0666	0	114.1464313	576.7019715
648223	80644	LY2004	0	20383.29204	8187.952336	119238.0666	0	114.1464313	576.7019715
648223	80644	LY2005	0	17922.17352	10281.66987	120085.0882	0	100.3641681	724.1687595
648223	80644	LY2006	0	27071.05375	9431.948175	107856.8316	0	151.5978956	664.320319
648223	80644	LY2007	0	16156.64884	4850.23896	129772.2799	0	90.4772303	341.616836
650742	79554	LY2003	0	136.6934681	665.6236522	4325.742662	0	0.765483394	46.88186456

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
650742	79554	LY2004	0	136.6934681	665.6236522	4325.742662	0	0.765483394	46.88186456
650742	79554	LY2005	0	273.3869363	1193.904975	8651.485325	0	1.530966788	84.0902981
650742	79554	LY2006	0	136.6934681	665.6236522	4325.742662	0	0.765483394	46.88186456
650742	79554	LY2007	0	0	137.3423295	0	0	0	9.673431031
652158	79851	LY2003	27.90104017	65.37603029	167.8712584	681.8451872	1.80495221	0.366105757	11.82367479
652158	79851	LY2004	27.90104017	65.37603029	167.8712584	681.8451872	1.80495221	0.366105757	11.82367479
652158	79851	LY2005	27.90104017	65.37603029	167.8712584	681.8451872	1.80495221	0.366105757	11.82367479
652158	79851	LY2006	55.80208034	108.1435666	226.2363412	1297.722799	3.609904419	0.605603951	15.93450214
652158	79851	LY2007	0	22.60849403	109.5061755	65.9675756	0	0.126607562	7.71284745
653694	86104	LY2003	183.4114889	193.360697	9.094873948	4947.56817	11.8651122	1.082819865	0.640579173
653694	86104	LY2004	183.4114889	193.360697	9.094873948	4947.56817	11.8651122	1.082819865	0.640579173
653694	86104	LY2005	183.4114889	193.360697	9.094873948	4947.56817	11.8651122	1.082819865	0.640579173
653694	86104	LY2006	183.4114889	193.360697	9.094873948	4947.56817	11.8651122	1.082819865	0.640579173
653694	86104	LY2007	183.4114889	193.360697	9.094873948	4947.56817	11.8651122	1.082819865	0.640579173
653735	80488	LY2003	750.9489262	1249.274481	207.6356478	79593.66499	48.579799	6.995936844	14.62439967
653735	80488	LY2004	750.9489262	1249.274481	207.6356478	79593.66499	48.579799	6.995936844	14.62439967
653735	80488	LY2005	750.9489262	1249.274481	207.6356478	79593.66499	48.579799	6.995936844	14.62439967
653735	80488	LY2006	750.9489262	1249.274481	207.6356478	79593.66499	48.579799	6.995936844	14.62439967
653735	80488	LY2007	750.9489262	1249.274481	207.6356478	79593.66499	48.579799	6.995936844	14.62439967
653751	80629	LY2003	0	7.310505099	14.19131976	545.0435755	0	0.040938827	0.999537094
653751	80629	LY2004	0	7.310505099	14.19131976	545.0435755	0	0.040938827	0.999537094
653751	80629	LY2005	0	0	23.57529751	173.0297065	0	0	1.660478712
653751	80629	LY2006	0	14.6210102	4.807342012	917.0574444	0	0.081877654	0.338595476
653751	80629	LY2007	0	7.310505099	14.19131976	545.0435755	0	0.040938827	0.999537094
660639	52874	LY2003	0	5.502344667	6.263675375	242.2415891	0	0.030813129	0.44116939
660639	52874	LY2004	0	5.502344667	6.263675375	242.2415891	0	0.030813129	0.44116939
660639	52874	LY2005	0	5.502344667	6.263675375	242.2415891	0	0.030813129	0.44116939
660639	52874	LY2006	0	5.502344667	6.263675375	242.2415891	0	0.030813129	0.44116939
660639	52874	LY2007	0	5.502344667	6.263675375	242.2415891	0	0.030813129	0.44116939
660807	87792	LY2003	1187.416361	2829.035701	66.83272413	99275.7941	76.81540799	15.84259936	4.707228643
660807	87792	LY2004	1187.416361	2829.035701	66.83272413	99275.7941	76.81540799	15.84259936	4.707228643
660807	87792	LY2005	1187.416361	2829.035701	66.83272413	99275.7941	76.81540799	15.84259936	4.707228643
660807	87792	LY2006	1187.416361	2829.035701	66.83272413	99275.7941	76.81540799	15.84259936	4.707228643
660807	87792	LY2007	1187.416361	2829.035701	66.83272413	99275.7941	76.81540799	15.84259936	4.707228643
661298	82763	LY2003	51871.0617	30895.18406	1995.519162	5280.109637	3355.602044	173.0130246	140.5503828
661298	82763	LY2004	51871.0617	30895.18406	1995.519162	5280.109637	3355.602044	173.0130246	140.5503828
661298	82763	LY2005	51871.0617	30895.18406	1995.519162	5280.109637	3355.602044	173.0130246	140.5503828
661298	82763	LY2006	53314.77831	38931.68396	2236.408956	7613.307086	3448.997827	218.0174224	157.5169714
661298	82763	LY2007	50427.34509	22858.68417	1754.629367	2946.912189	3262.206261	128.0086268	123.5837941
662409	82888	LY2003	0	242.6741634	700.7703113	1557.267358	0	1.358975266	49.35734888
662409	82888	LY2004	0	242.6741634	700.7703113	1557.267358	0	1.358975266	49.35734888
662409	82888	LY2005	0	242.6741634	700.7703113	1557.267358	0	1.358975266	49.35734888
662409	82888	LY2006	0	242.6741634	700.7703113	1557.267358	0	1.358975266	49.35734888
662409	82888	LY2007	0	242.6741634	700.7703113	1557.267358	0	1.358975266	49.35734888
662831	80510	LY2003	199.546509	29.09927089	210.7501825	242.2415891	12.90890627	0.162955911	14.84376566
662831	80510	LY2004	199.546509	29.09927089	210.7501825	242.2415891	12.90890627	0.162955911	14.84376566
662831	80510	LY2005	199.546509	29.09927089	210.7501825	242.2415891	12.90890627	0.162955911	14.84376566
662831	80510	LY2006	199.546509	29.09927089	210.7501825	242.2415891	12.90890627	0.162955911	14.84376566
662831	80510	LY2007	199.546509	29.09927089	210.7501825	242.2415891	12.90890627	0.162955911	14.84376566
667560	88089	LY2003	0	16.15664884	15.37801516	497.4604062	0	0.09047723	1.0831196
667560	88089	LY2004	0	16.15664884	15.37801516	497.4604062	0	0.09047723	1.0831196

**Table I-1. Annual Pollutant Loadings for AMD Outfalls in PADEPInspector**

Primary Facility ID	Outfall Number	Loadings Year	Aluminum Loads (lb/yr) (a)	Iron Loads (lb/yr) (a)	Manganese Loads (lb/yr) (a)	TSS Loads (lb/yr) (a)	Aluminum TWPE	Iron TWPE	Manganese TWPE
667560	88089	LY2005	0	16.15664884	15.37801516	497.4604062	0	0.09047723	1.0831196
667560	88089	LY2006	0	16.15664884	15.37801516	497.4604062	0	0.09047723	1.0831196
667560	88089	LY2007	0	16.15664884	15.37801516	497.4604062	0	0.09047723	1.0831196
667560	89663	LY2003	0	1509.684189	449.8772369	6921.18826	0	8.454231158	31.68619928
667560	89663	LY2004	0	1509.684189	449.8772369	6921.18826	0	8.454231158	31.68619928
667560	89663	LY2005	0	1509.684189	449.8772369	6921.18826	0	8.454231158	31.68619928
667560	89663	LY2006	0	1509.684189	449.8772369	6921.18826	0	8.454231158	31.68619928
667560	89663	LY2007	0	1509.684189	449.8772369	6921.18826	0	8.454231158	31.68619928
673155	91491	LY2003	0	122.0255957	217.05315	1158.938555	0	0.683343312	15.28770252
673155	91491	LY2004	0	122.0255957	217.05315	1158.938555	0	0.683343312	15.28770252
673155	91491	LY2005	0	122.0255957	217.05315	1158.938555	0	0.683343312	15.28770252
673155	91491	LY2006	0	33.61102049	230.3457968	0	0	0.188221708	16.22394338
673155	91491	LY2007	0	210.440171	203.7605033	2317.87711	0	1.178464915	14.35146165
673568	92748	LY2003	48.98903565	38.24389088	4.009963448	493.1346635	3.169160275	0.214165781	0.282433719
673568	92748	LY2004	48.98903565	38.24389088	4.009963448	493.1346635	3.169160275	0.214165781	0.282433719
673568	92748	LY2005	48.98903565	38.24389088	4.009963448	493.1346635	3.169160275	0.214165781	0.282433719
673568	92748	LY2006	48.98903565	38.24389088	4.009963448	493.1346635	3.169160275	0.214165781	0.282433719
673568	92748	LY2007	48.98903565	38.24389088	4.009963448	493.1346635	3.169160275	0.214165781	0.282433719
676549	93179	LY2003	29.32853525	21.80174302	5.536950608	951.6633857	1.897298602	0.122089757	0.389983991
676549	93179	LY2004	29.32853525	21.80174302	5.536950608	951.6633857	1.897298602	0.122089757	0.389983991
676549	93179	LY2005	29.32853525	21.80174302	5.536950608	951.6633857	1.897298602	0.122089757	0.389983991
676549	93179	LY2006	29.32853525	21.80174302	5.536950608	951.6633857	1.897298602	0.122089757	0.389983991
676549	93179	LY2007	29.32853525	21.80174302	5.536950608	951.6633857	1.897298602	0.122089757	0.389983991
676721	92325	LY2003	1822.420965	4842.416576	151.4514602	677.8438752	117.8946278	27.11753186	10.6671793
676721	92325	LY2004	1822.420965	4842.416576	151.4514602	677.8438752	117.8946278	27.11753186	10.6671793
676721	92325	LY2005	1822.420965	4842.416576	151.4514602	677.8438752	117.8946278	27.11753186	10.6671793
676721	92325	LY2006	1822.420965	4842.416576	151.4514602	677.8438752	117.8946278	27.11753186	10.6671793
676721	92325	LY2007	1822.420965	4842.416576	151.4514602	677.8438752	117.8946278	27.11753186	10.6671793
685072	96843	LY2003	1336.654483	2502.802609	3126.430509	31181.39502	86.46980353	14.01569411	220.2038513
685072	96843	LY2004	1336.654483	2502.802609	3126.430509	31181.39502	86.46980353	14.01569411	220.2038513
685072	96843	LY2005	1336.654483	2502.802609	3126.430509	31181.39502	86.46980353	14.01569411	220.2038513
685072	96843	LY2006	1336.654483	2502.802609	3126.430509	31181.39502	86.46980353	14.01569411	220.2038513
685072	96843	LY2007	1336.654483	2502.802609	3126.430509	31181.39502	86.46980353	14.01569411	220.2038513

Source: PADEPInspector.

(a) If an outfall did not have data for a pollutant for a loading year, EPA applied the annual average pollutant loading for that outfall (based on an average of all years with monitoring data).