PRELIMINARY ENGINEERING REPORT

Maryland Avenue Overflow Abatement/ Outlet No. 003 Reconfiguration Kanawha County, West Virginia (WVIJDC No. 2024S-2581, Formerly 2021S-1954)

Prepared for:

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(This document contains 20 pages, plus appendices.)

POTESTA

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PRELIMINARY ENGINEERING REPORT

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1.0 INTRODUCTION

Marmet operates a sanitary sewer (wastewater) collection and treatment system that is permitted under NPDES Permit No. WV0021750. Marmet treats wastewater from Marmet and the adjoining Town of Chesapeake. The sanitary sewer collection system is permitted as a combined sewer overflow (CSO) system. A Long-Term Control Plan (LTCP) was submitted to the West Virginia Department of Environmental Protection (WVDEP) in October 2008.

On May 4, 2023, comments on the LTCP were forwarded by WVDEP. In November 2023 communications with WVDEP, it was noted that Marmet would have trouble responding to comments at that time due to issues regarding an extension by Kanawha Public Service District that could impact plans at the WWTP, and a projected ongoing level rate increase that could impact affordability criteria used in evaluating implementation of LTCPs. The LTCP has not been finalized by Marmet.

The collection system includes areas in between MacCorkle Avenue, and the Kanawha River including, but not limited to, Virginia Avenue, Maryland Avenue, Long Alley, and California Avenue. Maryland Avenue, in the areas immediately east of 87th Street, is a low-lying area relative to adjoining streets. During heavy precipitation events, manhole(s) lying along Maryland Avenue are surcharged and sewage overflows into the street, whereupon much of the overflow drains to a storm water collection system that discharges to the Kanawha River. Because the collection system area lies immediately upstream of the Marmet Locks and Dam, the Kanawha River pool is elevated and is actually higher in elevation than the sanitary sewer line pipes on the lower end of 87th Street, leading to concerns that groundwater infiltration could be contributing to surcharge effects and increased flows to the collection system.

A sewage pump station (87th Street Pump Station) collects flow from this area and pumps the flow into a common force main system that flows to the wastewater treatment plant (WWTP). The capacity of the 87th Street Pump Station is reported on a Ghosh Engineers, Inc. drawing to be 215 gallons per minute (GPM) (a subsequent February 16, 2009 revision to the Ghosh Engineers' design report notes that the capacity is 245 GPM). This pump station is the site of an overflow (Outlet No. 003). While the overflow out of the pump station wet well is 12-inch diameter, the actual overflow pipe to the river is an 8-inch diameter line installed circa 1990. (Historic late 1980s Ghosh Engineers, Inc. drawings present the overflow to the river to be 8-inch diameter pipe; however, Ghosh Engineers, Inc. drawings of a 2009 era upgrade project show the overflow pipe

to be 12-inch diameter, and it is not clear if this was a factor in the overflow not being upgraded in the 2009 era project.)

In 2009, Marmet opened up bids for substantial sanitary sewer system upgrades, including upgrades to the WWTP and collection system. Extensive sanitary sewer line work was completed in the collection system area along 87th Street and Maryland Avenue, as well as near complete sewer line replacement along Dawes Hollow which drains north and into the 87th Street Pump Station collection system area. Only a small amount of storm drain line replacement was constructed in the 87th Street Pump Station collection system area. However, complaints regarding overflows on Maryland Avenue have arisen (or continued) post-upgrade project, and Marmet officials noted the need to replace the collection system on Long Alley between 87th Street and 89th Street, and have noted they receive complaints from residents along Long Alley regarding flooding during rain events (the storm water collection system on Long Alley between 87th Street and 89th Street does not extend the entire length between 87th Street and 89th Street).

2018 Overflow Event, Maryland Avenue

In 2010, Ghosh Engineers completed post-upgrade project smoke testing of the Marmet collection system, including areas approximately bounded by 87th Street and 90th Street, and California Avenue and the south side of MacCorkle Avenue. Sanitary sewage from these areas all drain to the 87th Street Pump Station. Approximately 35 sources of inflow (generally roof gutter downspouts, but also two drop inlets) were identified as having connectivity to the sanitary sewer collection system. These sources would contribute substantial inflow to the collection system in the Maryland Avenue area.

Marmet has explored alternatives to address the Maryland Avenue problem, including:

1. Increasing the capacity of the existing overflow system.

2. Constructing, as a temporary measure, a small connector between the sanitary sewer collection system and the storm water collection system to control overflows hence limiting exposure to the street and the public.

3. Lowering the elevation of the overflow at the 87th Street Pump Station.

4. Installing a high flow "jockey" pump to eject water out of the wet well for the 87th Street Pump Station during high flow events, thus depressing the hydraulic grade line in the collection system.

5. Upgrading the storm water collection system in the area, including separating storm water from sanitary sewer lines, and extending storm water collection systems to property lines of residences and structures identified via smoke testing as being sources of infiltration and inflow.

6. Reconfiguring the existing Outlet No. 003 overflow by extending the overflow to the site of the overflowing manhole on Maryland Avenue, and then extending the overflow line to the Kanawha River.

7. Upgrading the capacity of the collection system and WWTP.

8. Increasing capacity of sanitary sewage collection systems between Maryland Avenue and the 87th Street Pump Station in conjunction with completing Alternative No. 1.

Furthermore, beginning in late fall 2019, Marmet began using a newly purchased jetter machine to regularly clean sanitary sewer lines in the vicinity of Maryland Avenue. However, this did not eliminate overflows from manhole(s) on Maryland Avenue. The surcharging of the system has been so bad that one customer (parsonage for Marmet Baptist Church abutting the overflowing manhole location) reportedly abandoned service in their basement by closing plumbing fixtures.

Marmet has not completed the upgrades due to difficulties in constructing such a project and associated costs. Marmet does not have the monies on hand to pay for the selected remedy. The failures of the collection system at Maryland Avenue is a result of aging infrastructure susceptible to excessive infiltration/inflow, and an aging outdated overflow system that is failing to perform in a manner protective of the public.

In early April 2021, Marmet directed that a funding application (including a PER) be submitted to support a critical needs application to the West Virginia Infrastructure & Jobs Development Council (WVIJDC) to abate the overflows occurring on Maryland Avenue. POTESTA's April 9, 2021 PER evaluated the eight alternatives presented above, and Alternative No. 6 was selected. Total project cost was estimated as $715,000. The PER and associated application were submitted to WVIJDC in April 2021, requesting "Critical Needs" funding (see WVIJDC 2021S-1954). WVIJDC did not support the application (see their April 15, 2021 letter).

In late May/early June 2021, Marmet applied for Congressional Directed Spending (CDS) to support the project. In this application, Marmet proposed Alternative No. 8; in addition, Marmet proposed replacement of sanitary sewer line on Long Alley between 87th Street and 89th Street, which Marmet had identified as being in poor condition. Marmet was awarded $860,000 in CDS monies. They were subsequently awarded a non-federal match of $172,000.

In late 2023, a decision was reached to include construction of a storm sewer line along Alley between 87th Street and 89th Street, with re-directing of certain sources of infiltration and inflow to the sanitary sewer system that had been identified during smoke testing. For purposes of this report, this will be considered Alternative No. 9.

The location of the project is shown in Figure 1 **(Appendix A)**.

The total cost for the project is estimated to be $1,400,000.

2.0 CURRENT SITUATION

2.1 Sources/Discharge

See summary of flows in Section 2.4 "Treatment."

2.2 Customers

As of June 30, 2023, there were approximately 630 customers served by Marmet, per the latest West Virginia Public Service Commission Report. Furthermore, the Marmet WWTP treats the wastewater for approximately 615 customers of the Town of Chesapeake.

2.3 Distribution/Collection

According to NPDES Permit No. WV0021750, the existing wastewater collection system operated by Marmet consists of approximately 39,000 linear feet of gravity sewer line, 155 manholes, 25 cleanouts, 8 lift stations, 10,800 linear feet of force main, and other necessary appurtenances. Wastewater is treated at a 0.5 million gallons per day wastewater treatment plant. The system is a combined sewer overflow (CSO) system, with three permitted overflow points (CSO's Outlet Nos. 002, 003, and 004 located at the 81st Street, 87th Street, and 95th Street Pump Stations, respectively).

2020 Overflow Event, Maryland Avenue

The system is designed to serve a population of approximately 5,000 people in the Town of Marmet, Town of Chesapeake, and the surrounding area.

Overflows during wet weather are supposed to be discharged at CSO outlets. However, as noted previously, overflows in the collection system along Maryland Avenue are occurring at Manhole S3-6 (concurrent with overflows at CSO Outlet No. 003).

The risk of overflows in the collection system along Maryland Avenue is compounded by several factors:

1. The invert of the collection system in Maryland Avenue is low lying, resulting in pipe/manhole inverts that are only nominally 1 to 2 feet above normal river pool. Hence, since positive drainage is required for the overflow at the 87th Street Pump Station, the elevation of the overflow at the 87th Street Pump Station is nearly the same elevation as the inverts in the collection system in Maryland Avenue, meaning that when there is substantial backwater above the overflow in the 87th Street Pump Station wet well, the collection system on Maryland Avenue becomes surcharged.

2. The overflow out of the 87th Street Pump Station is only 8-inch diameter yet the collection system pipe flowing to the 87th Street Pump Station is 12-inch diameter.

3. Maryland Avenue is low lying with resultant manholes being shallow, meaning the hydraulic grade line (HGL) during surcharge events is more likely to extend above manholes, resulting in overflows.

4. The 81st, 87th, and 95th Street Pump Stations pump into a common force main, yet their design flows were based on only one pump operating at a time. The effects during wet weather (when all three pump stations can be operated in parallel) are adverse to capacity. This can be illustrated by a simplified computer model completed by Potesta & Associates, Inc. (POTESTA) and presented in **Appendix B**. Results are summarized below:

87th Street Pump Station Capacity per February 16, 2009 Gosh Engineers, Inc. Final Revisions to Design Report	≈245 GPM
87th Street Pump Station Capacity During Wet Weather Events per Simplified Computer Model	≈115 GPM

   Hence, when capacity is most needed to remove wastewater from the collection system (i.e. during precipitation events), pump station capacity diminishes by over 50 percent.

5. The point of overflow (Manhole S3-6) on Maryland Avenue is at the junction of an 8-inch diameter line and a 12-inch diameter line, with the outflow line being 12-inch diameter laid at relatively flat slope, meaning capacities of upstream pipelines exceeds the capacity of the downstream pipeline, hence creating a potential "bottleneck."

6. The current flow path between Manhole S3-6 and the 87th Street Pump Station via a 2009 era 12-inch gravity sanitary sewer is substantially long and has pipes designed at slopes per West Virginia Department of Health and Human Resources (WVDHHR) Design Standard, resulting in increased risk of siltation and corresponding capacity diminishment or less than the minimum required slopes.

2.4 Treatment

The Marmet WWTP was constructed circa 1990, with major upgrades occurring around 2010.

Effluent from the Marmet WWTP discharges to Lens Creek. The NPDES permit effluent limits for the Marmet WWTP can be summarized as follows:

Table 1: Marmet WWTP Effluent Limits

Effluent Characteristics	Limitations*	
	Average Monthly	Maximum Daily
Flow	Report Only	Report Only
BOD_5	11 mg/l	22 mg/l
TSS	30.0 mg/l	60.0 mg/l
Total Kjedahl Nitrogen	6 mg/l	12 mg/l
Fecal Coliform	200 Cnts/100 ml	400 Cnts/100 ml
DO	7.25 (instantaneous minimum)	
pH	> 6 S.U., < 9 S.U.	
Total Copper	0.009 mg/l	0.018 mg/l
Total Zinc	0.074 mg/l	0.155 mg/l

* *"Report Only" metal limitations, mass limitations and minimum removal requirements not presented.*

The NPDES permit is presented in **Appendix C**.

A review of Discharge Monitoring Report (DMR) data from June 2023 to May 2024 indicates Marmet has had minimal compliance issues with these limitations. Results of the summary are included in **Appendix D**.

Flow data for the wastewater treatment plant is listed in Table 2.

Table 2: Flow Data

Date	Average Monthly Flow (MGD)	Maximum Daily Flow (MGD)
May 2023	0.403	0.707
June 2023	0.269	0.585
July 2023	0.582	1.272
August 2023	0.482	1.346
September 2023	0.606	1.385
October 2023	0.375	0.575
November 2023	0.417	0.926

Date	Average Monthly Flow (MGD)	Maximum Daily Flow (MGD)
December 2023	0.523	1.290
January 2024	0.685	1.334
February 2024	0.661	1.256
March 2024	0.607	1.109
April 2024	0.551	1.285

Note: Developed from ES-59 forms provided by Marmet.

The current secondary treatment capacity for the WWTP is 0.5 million gallons per day (MGD). Based on Table 2, it is noted that dry weather flows are substantially below the capacity of the WWTP.

Recently, the Town of Chesapeake, to address overflows, upgraded the capacity of their pump station that directs flow to the WWTP. Chesapeake was previously pumping at a nominal rate of 300 GPM to the WWTP, but is now reportedly pumping at a nominal rate of 540 GPM. This has taxed the WWTP during wet weather events (as the design peak hour flow rate is only a nominal 835 GPM), and in early 2021, there was an overflow event at the WWTP. It is recognized that at this point, Marmet has little flexibility to pump additional wastewater to the WWTP. *Note: Since 2021, Marmet has begun to regularly clean the clarifier effluent tubes, and has been able to better process high flows through the WWTP.*

2021 Overflow Event at WWTP

2.5 Design Flow

As previously noted, the design flow for the 87th Street Pump Station that serves the collection system is approximately 245 GPM in dry weather, and approximately 115 GPM in wet weather.

2.6 Need for Project

Construction of this project would help solve a public health issue by eliminating a sanitary sewer overflow that is occurring in a public street in a residential neighborhood.

A solution is direly required and is supported by local health officials as noted by the letter in **Appendix E**.

3.0 FUTURE SITUATION

3.1 Population Projections

An investigation of the census data for Kanawha County, as presented in the table below, for a recent 40-year period, shows a relatively stable population (≈ -6.4 percent decrease over most recent 10-year period). The design of this project does not attempt to account for growth (positive or negative).

Table 3: Census Data for Kanawha County, West Virginia

Population 2020	180,745
Population 2010	193,063
Population Change 2010-2020	-6.4%

Source: United States Census Bureau

Census data is presented in **Appendix F**.

3.2 Flow Projections

It is anticipated that proposed improvements will increase the capacity of the collection system from Manhole S3-6 to the 87th Street Pump Station from approximately 805 GPM (in a surcharged condition) to approximately 1230 GPM (in a surcharged condition), representing an approximate 50 percent increase in capacity.

3.3 Waste-Load Allocations

Marmet is already operating under an NPDES permit. No new waste-load allocation is anticipated.

3.4 Permits/Certificates Required

A WVDHHR construction permit will be required for this project.

It will be necessary to modify Marmet's NPDES permit.

4.0 ALTERNATIVES

Nine alternatives were studied as part of this preliminary engineering effort. These can be described as follows:

Alternative No. 1: Increasing the capacity of the existing overflow system.

Alternative No. 2: Constructing, as a temporary measure, a small connector between the sanitary sewer collection system and the storm water collection system to control overflows hence limiting exposure to the street and the public.

Alternative No. 3: Lowering the elevation of the overflow at the 87th Street Pump Station.

Alternative No. 4: Installing a high flow "jockey" pump to eject water out of the wet well for the 87th Street Pump Station during high flow events, thus depressing the hydraulic grade line in the collection system.

Alternative No. 5: Upgrading the storm water collection system in the area, including separating storm water from sanitary sewer lines, and extending storm water collection systems to property lines of residences and structures identified via smoke testing as being sources of infiltration and inflow.

Alternative No. 6: Reconfiguring the existing Outlet No. 003 overflow by extending the overflow to the site of the overflowing manhole on Maryland Avenue, and then extending the line to the Kanawha River.

Alternative No. 7: Upgrading the capacity of the collection system and WWTP.

Alternative No. 8: Increasing capacity of sanitary sewage collection systems between Maryland Avenue and the 87th Street Pump Station in conjunction with completing Alternative No. 1.

Alternative No. 9: Increasing capacity of sanitary sewage collection systems between Maryland Avenue and 87th Street Pump Station in conjunction with completing Alternative No. 1, as well as replacing sanitary sewer line along Long Alley and extending storm sewer line for two blocks along Long Alley.

The following summarizes the advantages and disadvantages of the alternatives. Alternative Nos. 1 and 6 are presented in Figure 2 in **Appendix A**, Alternative No. 8 is presented in Figure 3 in **Appendix A**, while Alternative No. 9 is presented on Figure 4 in **Appendix A**. Preliminary Opinions of Probable Construction Cost for Alternative Nos. 1, 6, 8, and 9 are presented in **Appendix G**.

Table 4: Summaries of Advantages and Disadvantages of Alternatives

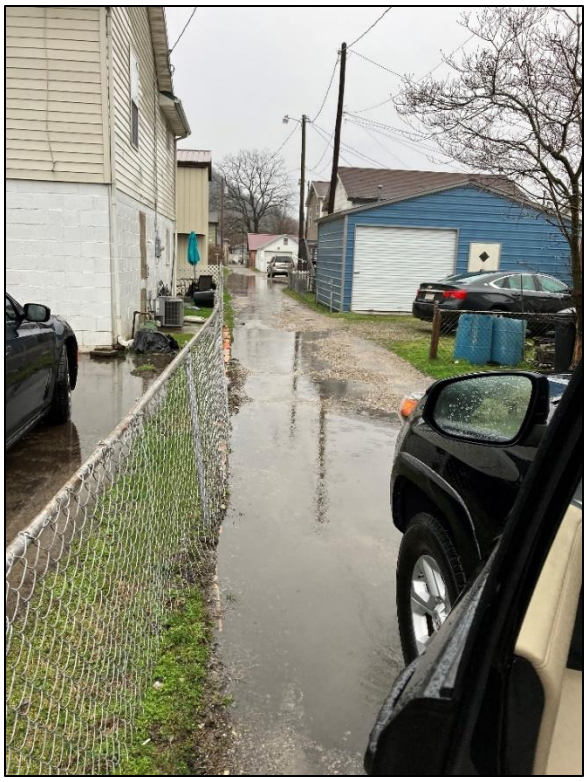
Alt. No.	Description	Preliminary Opinions of Probable Construction Cost	Advantages	Disadvantages
1	Increasing the capacity of the existing overflow system.	$260,000	▪ Likely shorter timeline to implement than Alternative Nos. 5 and 9. ▪ Would have a benefit to hydraulics of collection system in Maryland Avenue and would substantially reduce risk of surcharging of collection system as a whole. ▪ If further improvements were required, effort would not be wasted as increasing capacity of overflow is part of solution of other alternatives. ▪ Lower cost than Alternative Nos. 6, 8, and 9.	▪ Not as beneficial to reducing overflows on Maryland Avenue as some other alternatives.
2	Constructing, as a temporary measure, a small connector between the sanitary sewer collection system and the storm water collection system to control overflows hence limiting exposure to the street and the public.	Not costed, but likely under $50,000.	▪ Lowest cost alternative.	▪ Unlikely to be approved by regulatory agencies, as would add a new CSO outlet to river.

Alt. No.	Description	Preliminary Opinions of Probable Construction Cost	Advantages	Disadvantages
3	Lowering the elevation of the overflow at the 87th Street Pump Station.	Not Costed	▪ Likely lower cost than other alternatives except Alternative No. 2.	▪ Would provide little benefit as invert of existing overflow from 87th Street Pump Station is only a nominal one foot above normal pool of Kanawha River, and hence can be lowered very little. ▪ Would require relay of existing overflow line, hence negating some cost advantages.
4	Installing a high flow "jockey" pump to eject water out of the wet well for the 87th Street Pump Station during high flow events, thus depressing the hydraulic grade line in the collection system.	Not Costed	▪ Shorter timeframe to implement than other alternatives. ▪ Likely lower cost than most alternatives.	▪ More labor intensive than other alternatives. ▪ Complex to operate. ▪ Temporary measure only.
5	Upgrading the storm water collection system in the area, including separating storm water from sanitary sewer lines, and extending storm water collection systems to property lines of residences and structures identified via smoke testing as being sources of infiltration and inflow.	$2,500,000 minimum assumed based on an assumed nominal "rule of thumb" of $100,000 per acre cost and assumed 25-acre watershed for CSO Outlet No. 003.	▪ High regulatory agency support. ▪ Substantial re-investment in infrastructure. ▪ Eliminate certain identified sources of I/I.	▪ High cost. ▪ Long timeline to implement. ▪ Cost greater than can be accommodated with current commitments of funding.

Alt. No.	Description	Preliminary Opinions of Probable Construction Cost	Advantages	Disadvantages
6	Reconfiguring the existing Outlet No. 003 overflow by extending the overflow to the site of the overflowing manhole on Maryland Avenue, and then extending the line to the Kanawha River.	$750,000	▪ Will address overflow problem on Maryland Avenue. ▪ Can be connected into upgraded overflow from 87th Street Pump Station. ▪ By upsizing pipe (e.g., to 30-inch diameter), Marmet is creating infrastructure for use in ultimately reducing overflows to the Kanawha River via CSO Outlet No. 003, after implementation of additional storm water infrastructure and separation projects.	▪ Multiple easements will be required. ▪ Inconsistent with CDS application forwarded to Congress. ▪ Overflow pathway conflicts with existing sanitary sewer lines, and it is not believed that solution can be readily implemented.
7	Upgrading the capacity of the collection system and WWTP.	Not costed, but believed $5,000,000+	▪ Will address overflow on Maryland Avenue *and* reduce overflows from CSO Outlet No. 003. ▪ Would address potential adverse conditions at WWTP in wet weather. ▪ High regulatory agency support.	▪ Highest cost. ▪ Longest time to implement. ▪ Cost greater than can be accommodated with currently available grant funding.
8	Increasing capacity of sanitary sewage collection systems between Maryland Avenue and the 87th Street Pump Station in conjunction with completing Alternative No. 1.	$615,000	▪ Lower cost than Alternative Nos. 6 and 9. ▪ Costs within range of currently available grant funding.	▪ Longer timeline to implement than some of the other alternatives. ▪ Multiple easements will be required. ▪ Less beneficial to additional storm water infrastructure and separation projects than Alternative Nos. 6 and 9. ▪ Does not replace aged sanitary sewer lines or increase storm water system like Alternative No. 9. ▪ An extended temporary pumping system will be required to allow installation of pipeline just upstream of the 87th Street Pump Station.

Alt. No.	Description	Preliminary Opinions of Probable Construction Cost	Advantages	Disadvantages
9	Increasing capacity of sanitary sewage collection systems between Maryland Avenue and 87th Street Pump Station in conjunction with completing Alternative No. 1, as well as replacing sanitary sewer line along Long Alley and extending storm sewer line for two blocks along Long Alley.	$1,034,000	▪ Lower cost than Alternative No. 7. ▪ Replaces aged infrastructure on Long Alley. ▪ Addresses poor draining areas along two blocks of Long Alley between 87th Street and 89th Street, particularly towards 89th Street. ▪ Consistent with CDS application forwarded to Congress. ▪ Can eliminate certain identified sources of I/I. ▪ Can be designed with slopes steeper than minimum required by WVDHHR Design Standards. ▪ Costs within range of currently available grant funding.	▪ Longer timeline to implement than some of the other alternatives. ▪ Multiple easements will be required. ▪ An extended temporary pumping system will be required to allow installation of pipeline just upstream of the 87th Street Pump Station.

***** *Actual cost unknown until regulatory approval process is completed.*



Long Alley, February 2024 Rain Event

Alternative No. 9 was selected due to the certainty of the selected alternative to reduce the overflows on Maryland Avenue, while taking advantage of the sanitary sewer line replacement on Long Alley to also install storm water infrastructure maximizing the potential for ultimate elimination of CSO events at Outlet No. 003.

5.0 PLAN SELECTION AND PUBLIC PARTICIPATION

By directing Marmet's engineers to prepare engineering studies of the project, Marmet has committed themselves to the proposed plan. The proposed project has been discussed at Marmet meetings on a regular basis. A public meeting to present the project to meet funding agency requirements, if necessary, would be held in the future.

6.0 ENVIRONMENTAL INFORMATION

The primary environmental impact of the proposed project will be earth disturbance during construction, which could cause erosion. Contractor will be required to reestablish vegetation on all disturbed areas to minimize possible impact of erosion. Trenching will be backfilled at the end of the workday. Soil stockpiles will be seeded within seven days if not utilized; otherwise, silt fence will be placed down-gradient of the soil stockpiles.

The contractor will be required to have Builder's Risk Insurance and Performance and Payment Bonds in order to ensure the work is complete.

7.0 PROJECT SUMMARIES

7.1 Engineering Summary

The location of the proposed project (Alternate No. 9) is presented in Figure 4 **(Appendix A)**. The proposed pathway presented on Figure 4 is approximate. Proposed construction contemplates:

- Reconfiguration of overflow at 87th Street Pump Station, including approximately 90 linear feet of upgraded overflow line and new headwall.
- Approximately 1100 linear feet of upgraded and new sanitary sewer line.
- Approximately 575 linear feet of upgraded and new storm sewer line.
- Installation of one flow meter for overflow.
- Associated structures such as manholes and drop inlets.

Due to shallow cover and to limit conflict with reconnection sanitary sewer laterals on Long Alley, the storm sewer line will be only 12-inch diameter; no representation is being made as to what design storm this can pass. However, the benefits will be substantial.

The Preliminary Opinion of Probable Construction Cost is $1,034,000. See details in **Appendix G**.

It should be noted that some work is anticipated to be bid as a deductive alternate.

7.2 Cost Summary

7.2.1 Project Costs

The following summarizes the preliminary opinion of probable project cost.

Table 5: Preliminary Opinion of Probable Project Cost

Preliminary Opinion of Probable Construction Cost*:	***$***	***1,034,000***
Engineering Costs:		
Study and Report Phase	$	22,000
Design	$	75,000
Bidding	$	14,000
Engineering During Construction	$	40,500
Facility Plan	$	N/A
Land Survey and Easements (not included in Design)	$	17,000
Resident Project Representative	$	60,000
Asset Management Plan	$	N/A
Aerial Mapping	$	N/A
Mussel Survey	$	8,975
Engineering Subtotal:	***$***	***237,475***
Legal Costs:		
Project Attorney	$	3,000
Right-of-ways (Legal)	$	25,000
PSC Attorney	$	5,000
Legal Subtotal:	***$***	***33,000***
Administrative Costs:		
Project Administrator	$	35,000
Administrative Subtotal:	***$***	***35,000***
Accounting Costs:		
Accountant	$	5,000
Accounting Subtotal:	***$***	***5,000***
Financing Costs:		
Reserve	$	N/A
Registrar	$	N/A
Bond Counsel	$	N/A
Financing Subtotal:	***$***	***N/A***

Permits, Sites and Land Costs:		
Permits	$	1,000
Sites and Lands	$	20,000
Permitting Subtotal:	***$***	***21,000***
Project Contingency	$	34,525
TOTAL ESTIMATED PROJECT COST:	***$***	***1,400,000***

* *Includes approximate 15 percent construction contingency.*

7.2.2 Operation and Maintenance Costs

No significant increases in operation and maintenance costs are proposed.

7.2.3 Existing Debt

The PSC Annual Report for Year Ended 06/30/2023 presented in **Appendix H** indicates Marmet's long-term debt was $1,234,889. This information can be found on page 212 of that report.

7.2.4 Proposed Project Financing

SRSPSD is seeking financing through a Congressional Direct Spending (CDS) grant ($860,000), non-federal CDS match ($172,000), and a West Virginia Infrastructure & Jobs Development Council grant.

7.2.5 User Rates Projected

No change to user rates is proposed. Marmet is going through a substantial level rate increase that will push rates past the 1.5 percent of MHI utilized to determine eligibility for WVIJDC grant money.

7.3 Project Schedule

The following provides a summary of the anticipated schedule associated with the project:

Task	Completed By
Professional Services Acquired	07/31/2024
All Agreements Executed and Approved, Excluding Construction	07/31/2024
Plans and Specifications Submitted to Applicable Agencies	09/30/2024
All Permits Submitted	09/30/2024
Final Plans and Specifications Approved	11/31/2024
Rule 42 Completed	N/A
Rate Ordinance Completed	N/A
Request for All Binding Commitments	12/01/2024
File PSC Certificate Case	N/A
80% Right-of-Ways and Easements and 100% Land Acquired Recorded	12/01/2024
Request Authorization to Bid	01/10/2025

Task	Completed By
Advertise for Bids	01/17/2025
Bid Opening	02/28/2025
100% Right-of-Ways and Easements and 100% Land Acquisitions Recorded	01/10/2025
All Permits and Clearances Obtained	N/A
PSC Certificate Final	N/A
Loan Closing/Award Contracts	04/30/2024
Start Construction	05/30/2025
Project Completion*	10/31/2025

Note: Schedule does not reflect date of receipt of funding, and assumes funding received within appropriate time.
* *For substantial completion.*

7.4 Lands and Rights-of-Way

Easements and property acquisition will be required. It is believed that approximately 11 permanent easements will be required. It is noted that the property for the 87th Street Pump Station is not delineated on Digital courthouse as being owned by the Town of Marmet. Research will be required on this.

Monies for extensive condemnation proceedings, if necessary, have not been budgeted.

7.5 Public Health Benefits

Eliminate sanitary overflow in public street.

7.6 Evidence of Filing

To be developed and forwarded under separate cover, if required.

7.7 Evidence of Compliance

Forwarded under separate cover.

APPENDIX A

POTESTA

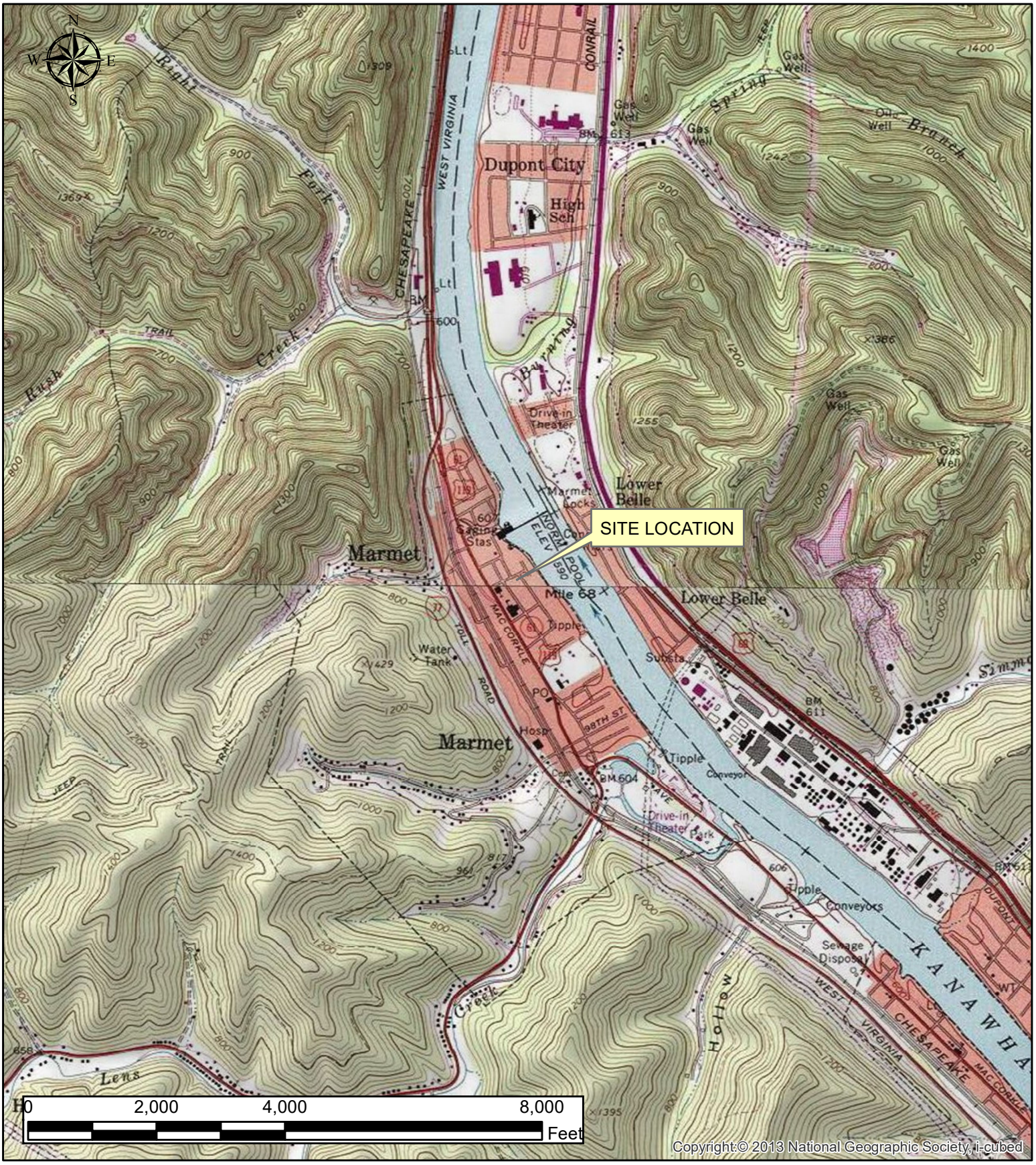


FIGURE 1
SITE LOCATION MAP
TOWN OF MARMET
MARYLAND AVENUE OVERFLOW
ABATEMENT/OUTLET No. 003
RECONFIGURATION
KANAWHA COUNTY, WV

DATE: APRIL 2021

I:\Projects\2017\17_0142_Marmet\MapDocuments\04_06_2021\MARMET_SITELOCATION_FIG_1.mxd

POTESTA
ENGINEERS AND ENVIRONMENTAL CONSULTANTS

No.	Date	Eng	Revision

LEGEND

SYMBOL	DESCRIPTION
ST (yellow line)	EXISTING STORM LINE
SS (cyan line)	EXISTING SANITARY SEWER LINE
W (blue line)	EXISTING WATER LINE
HCM (orange line)	EXISTING HIGH PRESSURE HYDROGEN-CARBON MONOXIDE LINES
S (manhole symbol)	EXISTING SANITARY SEWER MANHOLE
DI	EXISTING DROP INLET
ST (magenta line)	PROPOSED OVERFLOW LINE
ST (red line)	PROPOSED OUTLET NO. 003 RECONFIGURATION
8902	EXISTING LOCATION OF VISIBLE SMOKE

NOTES:

1. EXISTING LOCATIONS OF VISIBLE SMOKE DEVELOPED FROM GHOSH ENGINEERS, INC. "SEWER SYSTEM SMOKE TEST FORMS" DATED AUGUST 31, 2010.
2. ALL EXISTING UTILITIES ARE NOT PRESENTED.
3. ALTERNATE NO. 6 INCLUSIVE OF ALTERNATE NO. 1.

MAPPING REFERENCE:
BASE TOPOGRAPHIC MAPPING WAS TAKEN FROM GOGGLE EARTH PRO BY POTESTA & ASSOCIATES, INC.

PRELIMINARY

ISSUE DATE 7/10/2024

02
CAD File No.
JM
Drawn
TCM
Checked
TCM
Approved
NOTED
Scale:
JULY 2024
Date:
23-0097-100
Project No.

POTESTA & ASSOCIATES, INC.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
7012 MacCorkle Avenue SE, Charleston, WV 25304
TEL: (304) 342-1400 FAX: (304) 343-9031
E-Mail Address: potesta@potesta.com

POTESTA

Client
TOWN OF MARMET
KANAWHA COUNTY, WEST VIRGINIA

Title
ALTERNATE NOS. 1 AND 6
MARYLAND AVENUE
OVERFLOW ABATEMENT
OUTLET NO. 003 RECONFIGURATION

FIG 2
Drawing No.

No.	Date	Eng	Revision

LEGEND

SYMBOL	DESCRIPTION
ST	EXISTING STORM LINE
SS	EXISTING SANITARY SEWER LINE
W	EXISTING WATER LINE
HCM	EXISTING HIGH PRESSURE HYDROGEN-CARBON MONOXIDE LINES
S	EXISTING SANITARY SEWER MANHOLE
DI	EXISTING DROP INLET
SS	PROPOSED SANITARY SEWER LINE
ST	PROPOSED OUTLET NO. 003 RECONFIGURATION
8902	EXISTING LOCATION OF VISIBLE SMOKE

NOTES:

1. EXISTING LOCATIONS OF VISIBLE SMOKE DEVELOPED FROM GHOSH ENGINEERS, INC. "SEWER SYSTEM SMOKE TEST FORMS" DATED AUGUST 31, 2010.
2. ALL EXISTING UTILITIES ARE NOT PRESENTED.
3. ALTERNATE NO. 8 INCLUSIVE OF ALTERNATE NO. 1.

MAPPING REFERENCE:
BASE TOPOGRAPHIC MAPPING WAS TAKEN FROM GOGGLE EARTH PRO BY POTESTA & ASSOCIATES, INC.

TERENCE C. MORAN REGISTERED 12985 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER 7/10/24

PRELIMINARY

ISSUE DATE 7/10/2024

02
CAD File No.
JM
Drawn
TCM
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TCM
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NOTED
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JULY 2024
Date:
23-0097-100
Project No.

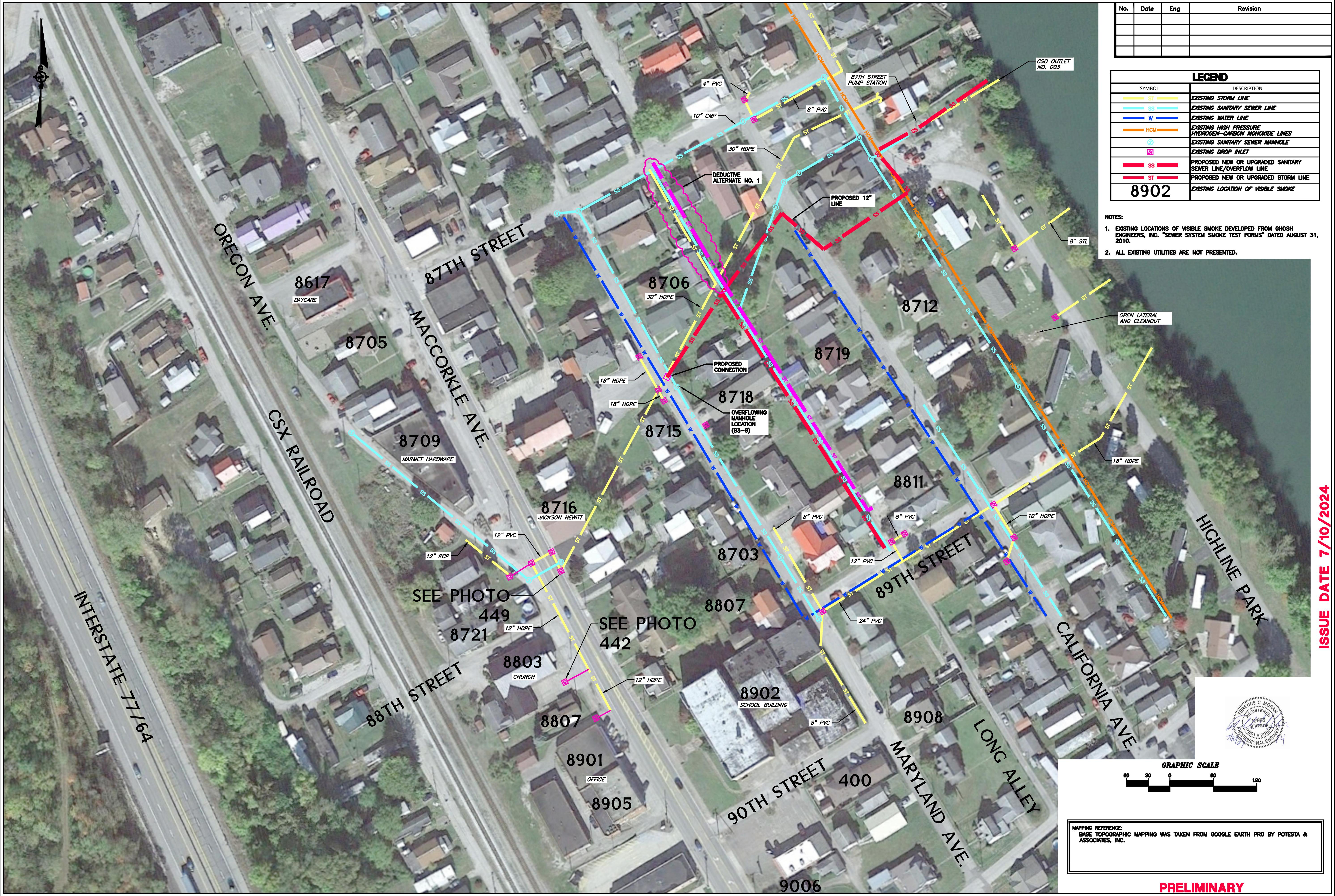
POTESTA & ASSOCIATES, INC.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
7012 MacCorkle Avenue SE, Charleston, WV 25304
TEL: (304) 342-1400 FAX: (304) 343-9031
E-Mail Address: potesta@potesta.com

POTESTA

Client
TOWN OF MARMET
KANAWHA COUNTY, WEST VIRGINIA

Title
ALTERNATE NO. 8
MARYLAND AVENUE
OVERFLOW ABATEMENT
OUTLET NO. 003 RECONFIGURATION

FIG 3
Drawing No.



No.	Date	Eng	Revision

LEGEND

SYMBOL	DESCRIPTION
ST	EXISTING STORM LINE
SS	EXISTING SANITARY SEWER LINE
W	EXISTING WATER LINE
HCM	EXISTING HIGH PRESSURE HYDROGEN-CARBON MONOXIDE LINES
S	EXISTING SANITARY SEWER MANHOLE
DI	EXISTING DROP INLET
SS	PROPOSED NEW OR UPGRADED SANITARY SEWER LINE/OVERFLOW LINE
ST	PROPOSED NEW OR UPGRADED STORM LINE
8902	EXISTING LOCATION OF VISIBLE SMOKE

NOTES:

1. EXISTING LOCATIONS OF VISIBLE SMOKE DEVELOPED FROM GHOSH ENGINEERS, INC. "SEWER SYSTEM SMOKE TEST FORMS" DATED AUGUST 31, 2010.
2. ALL EXISTING UTILITIES ARE NOT PRESENTED.

MAPPING REFERENCE:
BASE TOPOGRAPHIC MAPPING WAS TAKEN FROM GOOGLE EARTH PRO BY POTESTA & ASSOCIATES, INC.

PRELIMINARY

CDS
CAD File No.
JM
Drawn
TCM
Checked
TCM
Approved
NOTED
Scale:
JULY 2024
Date:
23-0097-100
Project No.

POTESTA & ASSOCIATES, INC.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
7012 MacCorkle Avenue SE, Charleston, WV 25304
TEL: (304) 342-1400 FAX: (304) 343-9031
E-Mail Address: potesta@potesta.com

POTESTA

Client
TOWN OF MARMET
KANAWHA COUNTY, WEST VIRGINIA

Title
ALTERNATE ROUTE NO. 9
MARYLAND AVENUE
OVERFLOW ABATEMENT
OUTLET NO. 003 RECONFIGURATION

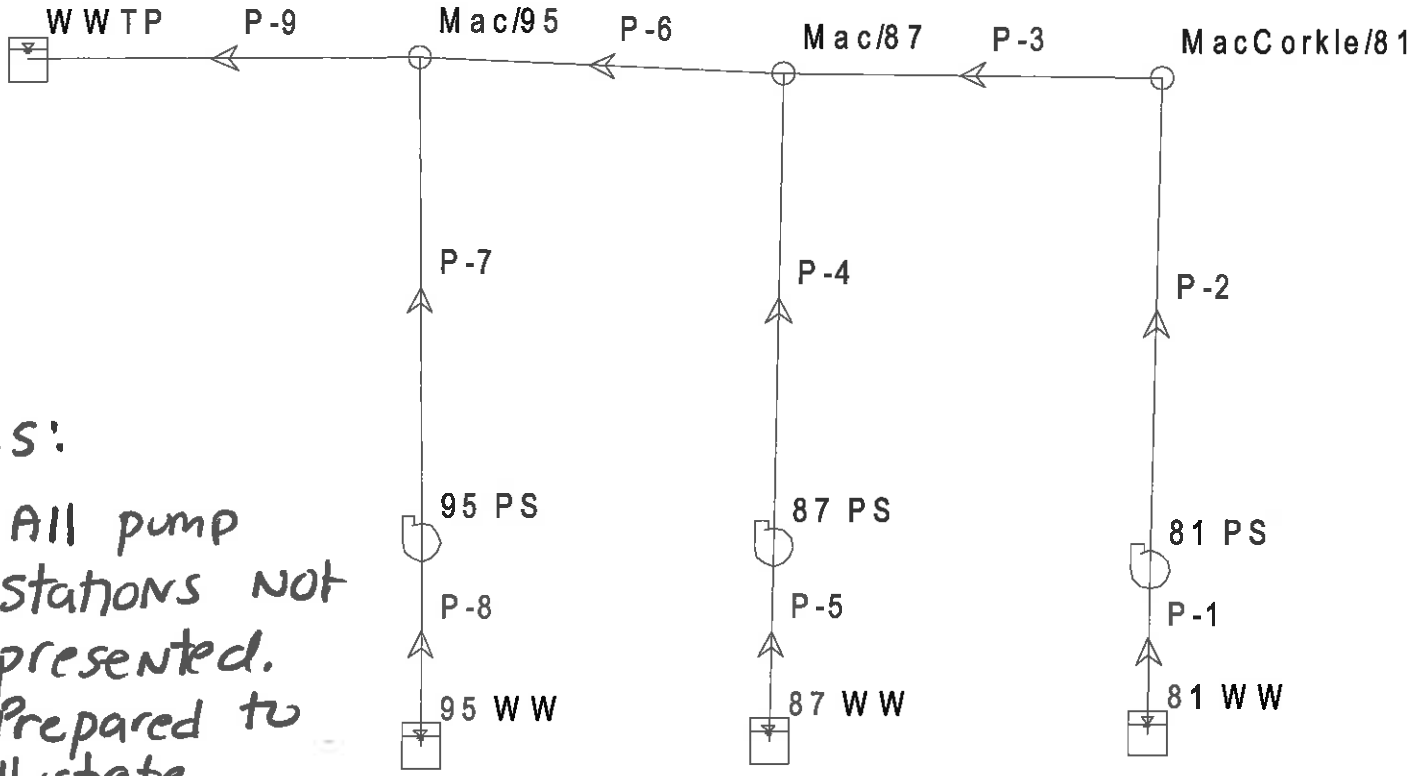
FIG 4
FIGURE

APPENDIX B

Scenario: Base

Pro: 17-0421.004
TLM 4/8/21

1/4



Notes:

1. All pump stations not presented.
2. Prepared to illustrate performance of 87th street pump station during wet weather only.

Simplified Computer Model - Marmet Force Main System

Potesta & Associates, Inc
37 Brookside Road Waterbury, CT 06708 USA (203) 755-1666

Scenario: Base
Steady State Analysis
Pump Report

2/4

Link Label	Input Pump Power (Hp)	Shutoff Head (ft)	Shutoff Discharge (gpm)	Design Head (ft)	Design Discharge (gpm)	Maximum Operating Head (ft)	Maximum Operating Discharge (gpm)	Current Status	Start Calculated Hydraulic Grade (ft)	End Calculated Hydraulic Grade (ft)	Discharge (gpm)	Pump Head (ft)	Current Water Power (Hp)
81 PS		68.00	0.00	57.00	200.00	46.00	400.00	On	575.00	638.64	79.17	63.65	1.27
87 PS		66.00	0.00	53.00	245.00	46.00	400.00	On	578.99	638.27	115.53	59.29	1.73
95 PS		67.00	0.00	49.00	250.00	40.00	400.00	On	580.09	636.11	140.97	56.02	1.99

Scenario: Base
Steady State Analysis
Tank Report

3/4

Node Label	Base Elevation (ft)	Minimum Level (ft)	Initial Level (ft)	Maximum Level (ft)	Inactive Volume (ft^3)	Tank Diameter (ft)	Tank Inflow (gpm)	Current Status	Calculated Hydraulic Grade (ft)	Tank Level (ft)
81 WW	572.00	0.00	4.00	32.00	0.00	8.00	-79.17	Draining	576.00	4.00
87 WW	578.00	0.00	3.00	28.00	0.00	8.00	-115.53	Draining	581.00	3.00
95 WW	580.00	0.00	3.00	21.00	0.00	8.00	-140.97	Draining	583.00	3.00
WWTP	600.00	0.00	15.00	15.10	0.00	8.00	335.67	Filling	615.00	15.00

Scenario: Base
Steady State Analysis
Pipe Report

Link Label	Length (ft)	Diameter (in)	Material	Roughness	Minor Loss	Initial Status	Current Status	Discharge (gpm)	Start Calculated Hydraulic Grade (ft)	End Calculated Hydraulic Grade (ft)	Headloss (ft)	Friction Slope (ft/1000ft)
P-1	125.00	4	PVC	100.0	0.00	Open	Open	79.17	576.00	575.00	1.00	8.01
P-2	800.00	8	PVC	100.0	0.00	Open	Open	79.17	638.64	638.43	0.22	0.27
P-3	2,175.00	8	PVC	100.0	0.00	Open	Open	79.17	638.43	637.83	0.60	0.27
P-4	800.00	8	PVC	100.0	0.00	Open	Open	-115.53	637.83	638.27	0.44	0.55
P-6	1,630.00	8	PVC	100.0	0.00	Open	Open	194.70	637.83	635.47	2.36	1.45
P-5	125.00	4	PVC	100.0	0.00	Open	Open	-115.53	578.99	581.00	2.01	16.11
P-7	800.00	8	PVC	100.0	0.00	Open	Open	-140.97	635.47	636.11	0.64	0.80
P-9	5,165.00	8	PVC	100.0	0.00	Open	Open	335.67	635.47	615.00	20.47	3.96
P-8	125.00	4	PVC	100.0	0.00	Open	Open	-140.97	580.09	583.00	2.91	23.28

APPENDIX C

west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, West Virginia 25304-2345
Phone: 304-926-0495/Fax: 304-926-0463

Harold D. Ward, Cabinet Secretary
https://dep.wv.gov

December 21, 2021

HONORABLE JENNINGS SNODGRASS
MARMET, TOWN OF
PO BOX 15216
MARMET, WV 25365-0216

CERTIFIED RETURN RECEIPT REQUESTED

Dear Permittee:

Enclosed please find WV/NPDES Permit Number WV0021750 dated December 21, 2021.

Please note that a Discharge Monitoring Report (DMR) is to be completed and submitted to this Division each month.

Special Condition: Please note that industrial user's name has been corrected to Linde LLC in the final permit as requested.

Finally note that copies of all future correspondence regarding the permit must be forwarded to the Field Inspector and Field Supervisor at the following address:

Department of Environmental Protection
Environmental Enforcement
601 57th Street
Charleston, WV 25304

Also, please note the attachment to this permit which describes the annual permit fee requirement. Reissuance of your permit does not change the annual fee billing cycle.

If you have any questions, please contact Cassie Casto of this Division at (304) 926-0499 at extension 43815, or by email at cassie.b.casto@wv.gov.

Sincerely,

Katheryn Emery, P. E.

KE:cc

Enclosures

Permit Number: WV0021750

Permittee: MARMET, TOWN OF

cc: Bureau of Public Health
Construction Assistance
Env. Insp. Supv.
Env. Insp.
Public Service Commission

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER AND WASTE MANAGEMENT
601 57TH STREET SE
CHARLESTON, WV 25304-2345

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
WATER POLLUTION CONTROL PERMIT

NPDES PERMIT NO.: WV0021750
SUBJECT: Sewage

ISSUE DATE: December 21, 2021
EFFECTIVE DATE : February 01, 2022
EXPIRATION DATE: June 30, 2026
SUPERSEDES: Permit No. WV0021750 dated December 28, 2016

LOCATION:	MARMET	Kanawha	Upper Kanawha River
	(City)	**(County)**	**(Drainage Basin)**

See the next page for a list of Outlets.

TO WHOM IT MAY CONCERN:

This is to certify that: MARMET, TOWN OF
PO BOX 15216
MARMET, WV 25365-0216

is hereby granted a West Virginia NPDES Water Pollution Control Permit to:
operate and maintain an existing 0.500 MGD combined sewer wastewater collection and oxidation ditch wastewater treatment system consisting of approximately 38,800 linear feet of various diameter gravity sewer line, approximately 155 manholes, 25 cleanouts, eight (8) lift stations, 1,600 linear feet of twelve inch diameter force main, 4,560 linear feet of ten inch diameter force main, 2,970 linear feet of eight (8) inch diameter force main, 1,500 linear feet of two (2) inch diameter force main, 140 linear feet of one and one fourth (1 1/4) inch diameter force main and a 486,000 gallon oxidation ditch, a 118,000 gallon interchannel clarifier, an ultraviolet disinfection unit, two (2) aerobic digesters with a volume of 71,000 gallons each, one (1) sludge transfer tank, a sludge belt filter press, and all other necessary appurtenances.

This system is to serve approximately 5,000 population equivalents in the Town of Marmet, the Town of Chesapeake, and surrounding environs and discharge treated and disinfected wastewater through Outlet No. 001 (0.25 miles from the mouth) of Lens Creek, a tributary of the Kanawha River.

Also to operate and maintain disposal systems, best management practices, and the nine (9) minimum controls for the direct discharge of sanitary wastewater and storm water from Combined Sewer Outlets No. C002, C003, and C004 to Lens Creek, a tributary of the Kanawha River. These CSO outlets are permitted to discharge only when the hydraulic capacity of the collection system is exceeded during wet weather events.

This permit is subject to the following terms and conditions :
The information submitted on and with WV/NPDES Pemrit application No. WV0021750 dated the 29th day of June, 2021 and additional information submitted on the 27th day of September 2021, are all hereby made terms and conditions of this permit with like effect as if all such permit application information were set forth herein, and other terms and conditions set forth in Sections A, B, C, D, E, F and Appendix A.

The validity of this permit is contingent upon the payment of the applicable annual permit fee, as required by Chapter 22, Article 11, Section 10 of the Code of West Virginia.

Inspectable Unit	Latitude	Longitude	Receiving Stream	Dist. to Stream Mouth (in Mile)	Milepost
001	38°14'20"	81°33'35"	LENS CK	0.25	N/A
C002	38°15'12"	81°34'18"	KANAWHA RV -- No Monitoring Required	N/A	67.5
C003	38°15'02"	81°34'08"	KANAWHA RV -- No Monitoring Required	N/A	67.75
C004	38°14'46"	81°33'45"	KANAWHA RV -- No Monitoring Required	N/A	68
IU01	38°14'20"	81°33'55"	N/A	N/A	N/A
S01	38°14'20"	81°33'35"	N/A	N/A	N/A

A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 2/1/2022 and lasting through midnight 6/30/2026 the permittee is authorized to discharge from Outlet Number(s) 001 (Sanitary)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations						Units	Monitoring Requirements	
	Quantity		Units		Other Units			Measurement Frequency	Sample Type
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	Continuous	measured
00310 - (BOD, 5-Day 20 Deg.C) (Year Round) (ML-B) (RF-A)	45.9 Avg. Monthly	91.8 Max. Daily	Lbs/Day	N/A	11 Avg. Monthly	22 Max. Daily	mg/l	1/month	8 hr comp
00530 - (Total Suspended Solids) (Year Round) (ML-A) (RF-A)	125.1 Avg. Monthly	250.2 Max. Daily	Lbs/Day	N/A	30 Avg. Monthly	60 Max. Daily	mg/l	1/month	8 hr comp
51012 - (BOD,5-day % Rem,dry weath (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	N/A	N/A	85 Month. Avg. Min.	Percent	1/month	Calculated
51013 - (BOD,5-day %Rem,wet weathe (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	N/A	N/A	Rpt Only Month. Avg. Min.	Percent	1/month	Calculated
51014 - (Solids,Susp.% Rem,dry weatl (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	N/A	N/A	85 Month. Avg. Min.	Percent	1/month	Calculated
51015 - (Solids,Susp.% Rem,wet weatl (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	N/A	N/A	Rpt Only Month. Avg. Min.	Percent	1/month	Calculated
74055 - (Coliform, Fecal) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	N/A	200 Mon. Geo. Mean	400 Max. Daily	Cnts/100ml	1/month	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Effluent BOD5 Day samples shall be collected at a location immediately preceding disinfection. Other samples shall be collected at or as near as possible to the point of discharge.

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 2/1/2022 and lasting through midnight 6/30/2026 the permittee is authorized to discharge from Outlet Number(s) 001 (Sanitary)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
00400 - (pH) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	6 Inst. Min.	N/A	9 Inst. Max.	S.U.	1/month	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	7.25 Inst. Min.	N/A	N/A	mg/l	1/month	Grab
00625 - (Nitrogen, Kjeldahl Total) (Year Round) (ML-A) (RF-A)	25 Avg. Monthly	50 Max. Daily	Lbs/Day	N/A	6 Avg. Monthly	12 Max. Daily	mg/l	1/month	8 hr comp
01119 - (Copper, Total Recoverable) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	N/A	0.009 Avg. Monthly	0.018 Max. Daily	mg/l	1/month	8 hr comp
01114 - (Lead, Total Recoverable) (Year Round) (ML-A) (RF-D)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/year	8 hr comp
01094 - (Zinc, Total Recoverable) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	N/A	0.074 Avg. Monthly	0.155 Max. Daily	mg/l	1/month	8 hr comp

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Effluent BOD5 Day samples shall be collected at a location immediately preceding disinfection. Other samples shall be collected at or as near as possible to the point of discharge.

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.IU01 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 2/1/2022 and lasting through midnight 6/30/2026 the permittee is authorized to accept the discharge from Outlet Number(s) IU01 (Pretreatment - Non Significant Industrial User)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units			Units	Measurement Frequency	Sample Type
00056 - (Flow Rate) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly	24500 Max. Daily	gpd	N/A	N/A	N/A	N/A	1/month	measured
00400 - (pH) (Year Round) (ML-4) (RF-A)	N/A	N/A	N/A	5 Inst. Min.	N/A	10 Inst. Max.	S.U.	1/month	Grab
01042 - (Copper, Total (as Cu)) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day	N/A	Rpt Only Avg. Monthly	0.02 Max. Daily	mg/l	1/month	Comp
01051 - (Lead, Total (as Pb)) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day	N/A	Rpt Only Avg. Monthly	0.02 Max. Daily	mg/l	1/month	Comp
01092 - (Zinc, Total (as Zn)) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day	N/A	Rpt Only Avg. Monthly	1.5 Max. Daily	mg/l	1/month	Comp

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Linde, Inc. - Refer to Sections E.02.a.1 and E.02.b.1 for monitoring and sampling requirements

A.S01 SEWAGE SLUDGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 2/1/2022 and lasting through midnight 6/30/2026 the permittee is authorized to dispose sludge in accordance with the following from Outlet Number S01 (Sludge)

Effluent Characteristic	Quantity		Units	Limitations	Other Units		Units	Monitoring Requirements: Measurement Frequency	Monitoring Requirements: Sample Type
00400 - (pH) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	Rpt Only Minimum	N/A	Rpt Only Maximum	S.U.	1/6 months	Grab
61521 - (Arsenic, Sludge Tot. Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78476 - (Cadmium,Sludge,Tot Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78473 - (Chromium, Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78475 - (Copper,Sludge,Tot,Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78468 - (Lead, Dry. Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78471 - (Mercury, Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78465 - (Molybdenum,Dry Wgt) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp

Sludge

A.S01 SEWAGE SLUDGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 2/1/2022 and lasting through midnight 6/30/2026 the permittee is authorized to dispose sludge in accordance with the following from Outlet Number S01 (Sludge)

Effluent Characteristic	Quantity		Units	Limitations	Other Units		Units	Monitoring Requirements: Measurement Frequency	Monitoring Requirements: Sample Type
78469 - (Nickel, Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
49031 - (Selenium,Sludge,Tot. Dry Wt. (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78467 - (Zinc, Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
00916 - (Calcium, Total (as Ca)) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
61553 - (Solids, Total Sludge Percent) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	Rpt Only Minimum	Rpt Only Avg.	Rpt Only Maximum	Percent	1/6 months	1 Week Comp
78472 - (Potassium, Sludge Tot. Dry W (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78478 - (Phosphorus,Sludge,Tot,Dry W (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
82294 - (Nitrogen, Ammonia Tot. DW) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp

Sludge

A.S01 SEWAGE SLUDGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 2/1/2022 and lasting through midnight 6/30/2026 the permittee is authorized to dispose sludge in accordance with the following from Outlet Number S01 (Sludge)

Effluent Characteristic	Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
78470 - (Nitrogen, Sludge Tot. Dry Wt) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
51020 - (Organic Nitrogen) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
00927 - (Magnesium,Tot (as Mg)) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
31641 - (Fecal Coliform (Sludge)) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	MPN/gram	1/6 months	1 Week Comp

Sludge

B. SCHEDULE OF COMPLIANCE

1. **The permitee shall achieve compliance with the provisions for waste treatment and the monitoring requirements specified in the permit in accordance with the following schedule :**

   Effective date of permit.

2. **Reports of compliance or non-compliance with, and progress reports on interim and final requirements contained in the above compliance schedule, if any, shall be postmarked no later than 14 days following each schedule date.**

Section C - Other Requirements

01. The herein-described treatment works, structures, electrical and mechanical equipment shall be adequately protected from physical damage by the maximum expected one hundred (100) year flood level and operability be maintained during the twenty-five (25) year flood level.

02. The entire sewage treatment facility shall be adequately protected by fencing.

03. The proper operation and maintenance of the listed sewage treatment facility shall be performed, or supervised, by a certified operator possessing at least a Class II certificate for Waste Water Treatment Plant Operators as issued by the State of West Virginia. The on-site attendance of this facility's Class II operator shall be determined and directed by the Bureau for Public Health, Office of Environmental Health Services.

04. The arithmetic mean of values for effluent samples collected in a seven consecutive day period shall not exceed 45.0 mg/l for TSS. Furthermore, the permittee may submit mitigating factors as an attachment to its DMRs related to an excursion of this requirement. The Director may choose to take those mitigating factors into consideration in determining whether enforcement action is required.

05. The permittee shall submit each month according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration and/or quantities, the values of the constituents listed in Section A analytically determined to be in the plant effluent(s). Additional information pertaining to effluent monitoring and reporting can be found in Section III of Appendix A.

06. The required DMRs shall be received by the agency no later than 25 days following the end of the reporting period in accordance with the following requirements. The agency encourages the permittee to utilize our electronic discharge monitoring report (eDMR) system. If the permittee uses the eDMR system, the permittee is not required to submit hard copies of the DMRs to the addresses listed below. However, if the permittee elects to not use the eDMR system, then the permittee is required to send hard copies to the addresses below. The permittee may contact the agency for more information about the eDMR system. Regardless, in accordance with Appendix A, Section III.6 of this permit, the permittee shall maintain copies of DMRs (either hard copies or electronic copies) at the plant site and the DMRs shall be made readily available upon request from DEP personnel.

Director
Division of Water and Waste Management
601 57th Street SE
Charleston, West Virginia 25304
Attention: Permitting Section

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, West Virginia 25304

07. In conjunction with all other reporting requirements of this permit, copies of all future correspondence regarding this permit will be forwarded to the Environmental Inspector and Environmental Inspector Supervisor at the following address:

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, West Virginia 25304

08. The permittee shall not use alternate DMR's without prior approval from this Agency.

09. The permittee shall not accept any new non-domestic discharges without first obtaining approval from the Director of the Division of Water and Waste Management as provided in Title 47, Series 10, Section 14 of the West Virginia Legislative Rules.

10. If any existing non-domestic discharge causes, or is suspected of causing, interference or pass through (as defined by 40 CFR 403.3) or otherwise violates any provision of 40 CFR 403, the permittee shall notify the Director of such violation or suspected violation.

11. If any existing non-domestic discharge is identified as being subject to Categorical Pretreatment Standard under 40 CFR Chapter 1, Subchapter N, and the discharge is not regulated by this permit, the permittee shall notify the Director of such identification.

Section C - Other Requirements

12. The average daily design flow of the Publicly Owned Treatment Works has been established at 0.500 million gallons per day. When the average monthly effluent flow reported on Discharge Monitoring Reports reaches, or exceeds, 90 percent of the average design flow, 0.450 million gallons per day during three (3) consecutive monthly periods, the permittee shall submit a Plan of Action to the Director. The Plan of Action shall present, at a minimum, an analysis of current hydraulic and organic loadings on the plant, an analysis of the future projected loadings, and a Schedule of Tasks to accomplish procedures necessary to maintain required treatment levels.
    a. Should the permittee experience and report average monthly flows at or greater than 0.450 MGD during three (3) consecutive monthly periods, but can demonstrate that these monthly average flows resulted from the maximization of wet weather flow through the POTW in accordance with the Combined Sewer Overflow requirements of this permit, then submission of the following information shall satisfy the requirement in Section C.11 above for the submission of a Plan of Action:
        1. During the period, compliance with applicable BOD5, TSS, and Fecal Coliform effluent limitations was maintained.
        2. Average monthly dry weather flows experienced at the POTW over the period are less than 0.450 MGD.
        3. The permittee is compliant with the Combined Sewer Overflow requirements of this permit, and that continued operation in accordance with said requirements will ensure the maintenance of required treatment levels.
13. Effluent monitoring for the following pollutants shall be conducted using the most sensitive methods and detection levels commercially available and economically feasible. The following methods are to be used unless the permittee desires to use an EPA Approved Test Method with a listed lower method detection level. Regardless, it is recognized that detection levels can vary from analysis to analysis and that non-detect results at a different MDL for the specified test method would not constitute a permit violation.

Parameter	EPA Method No.	Method Detection Level (ug/l)
Copper, Total Recoverable	200.8	0.5
Lead, Total Recoverable	200.8	0.6
Zinc, Total Recoverable	200.8	1.8

14. The analytical test procedures, set forth in 40 CFR Part 136, prescribe colorimetric methods for certain parameters. The digestion process for the performance of total recoverable is not sufficient for the utilization of a colorimetric procedure. Therefore, colorimetric procedures shall not be acceptable for the analysis of parameters prescribed as total recoverable.
15. Any future collection system extensions projected to cause an increase in the wastewater flow, equal to, or greater than, twenty- five thousand gallons per day (five (5) percent of average design flow) shall require the permittee to contact the Director to secure approval of the extension. After consideration of the complexity of the project, and the available treatment capacity of the facility, the Director may require the permittee to seek approval through Modification of the Permit.
16. Over the term of this permit, the permittee is allowed one (1) excursion of the maximum daily fecal coliform effluent limitation prescribed in Section A.001. The excursion is based upon one (1) percent of the number of required self-monitoring events. Utilization of the excursion allowance is conditioned as follows:
    a. Excursion allowances are afforded only to self-monitoring results and only when self-monitoring activities assess compliance with the maximum daily effluent limitation by analysis of an individual grab sample. No excursion allowance can be applied to analytical results obtained by representatives of the Director in the performance of their compliance assessment activities. Additionally, representatives of the Director may assess compliance with the maximum daily effluent limitation by collection and analysis of an individual grab sample.
    b. The excursion allowance is contingent upon the permittee's prompt return to compliance as evidenced by the next required fecal coliform self-monitoring event.
    c. The result for which an excursion allowance is claimed shall be included in the calculation of the average monthly effluent value.

Section C - Other Requirements

16. d. Should an excursion allowance be utilized by the permittee, said allowance shall be reported as an attachment to the Discharge Monitoring Report. This attachment should state that (1) an excursion allowance was taken in accordance with the requirements outlined above, (2) the total number of allowances taken to date during the term of this permit, and (3) the total number of allowances remaining during the term of this permit. The permittee shall maintain an on-site record of the excursion allowances utilized during the term of the permit.

17. The permittee shall be required to test the sewage treatment plant's influent in order to calculate the percent (%) removal parameters for BOD5 and TSS contained in Section A.001 of this permit. Influent sampling requirements include:

    a. Percent removal shall be defined as a percentage expression of the removal efficiency across the wastewater treatment plant for a given pollutant parameter, as determined from the thirty day average values of the influent concentrations to the facility and the thirty day average effluent pollutant concentrations. Only influent and effluent samples taken concurrently as specified below shall be used for reporting.

    b. Influent BOD5 and TSS samples shall be collected using the permittee's established sampling schedule once per month (1/month) for the wastewater treatment facility. The permittee should not vary from their established sampling schedule. Additionally, the Division recognizes that meteorological conditions during any specific week or any specific month may prevent the collection of a dry weather or a wet weather sample during the established sampling schedule at the recommended frequencies. If the permittee does not discharge during wet-weather conditions, the permittee should indicate "No wet weather discharge" on the Discharge Monitoring Report for that reporting period.

    c. The permittee shall collect representative BOD and TSS influent samples using their established sampling procedures over a 8-hour period.

    d. Influent BOD5 and TSS sampling shall be performed over the same 8-hour time period as the effluent BOD5 and TSS sampling.

    e. Wet weather shall be defined for this specific requirement as a day in which the total measured volume of wastewater through the wastewater plant at Outlet No. 001 exceeds 0.500 MGD.

18. Any "not detected (ND)" sampling result obtained by the permittee must be "ND" at the method detection limit (MDL) for the test method used for that parameter and shall be reported on the DMR as less than the MDL used (<MDL). The permittee shall not report a sampling result as Zero or "ND" or report the result as less than a minumum level (ML), reporting limit (RL), or practical quantitation limit (PQL).

    When averaging values of analytical results for DMR reporting purposes for monthly averages, the permittee should use actual analytical results when these results are greater than or equal to the MDL and should use zero (0) when these results are less than the MDL. If all analytical results are non-detect at the MDL (<MDL), then the permittee should use the actual MDL in the calculation for averaging and report the result as less than the average calculation.

19. In incidences where a specific test method is not defined, the permittee shall utilize an EPA approved method with a method detection limit (MDL) sensitive enough to confirm compliance with the permit effluent limit for that parameter. If a MDL is not sensitive enough to confirm compliance, the most sensitive approved method must be used. If a more sensitive EPA approved method becomes available, that method shall be used. Should the current and/or new method not be sensitive enough to confirm compliance with the permitted effluent limit, analytical results reported as "not detected" at the MDL of the most sensitive method available will be deemed compliant for purposes of permit compliance. Results shall be reported on the Discharge Monitoring Reports as a numeric value less than the MDL.

20. Because the permittee is using ultraviolet light as their disinfection method, no Total Residual Chlorine (TRC) effluent limitation shall currently be imposed. Should the permittee in the future decide to use chlorine as a disinfection method, a TRC effluent limitation shall be promulgated and imposed.

21. Unless otherwise authorized under Section A of this permit, any discharge from any point other than a permitted treatment outfall or permitted combined sewer system is expressly prohibited. In the event there is a prohibited discharge from a sewer conveyance system, the permittee shall follow the reporting requirements contained in Appendix A, Part IV, Section 2.

Section D - Sewage Sludge Management Requirements

01. The permittee shall monitor and report monthly on the enclosed Sewage Sludge Management Report form the quality and quantity of sewage sludge produced. The required report shall be received no later than 20 days following the end of the reporting period and be addressed to:

Director
Division of Water and Waste Management
Permitting and Engineering Branch
601 57th Street SE
Charleston, West Virginia 25304

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, West Virginia 25304

02. The permittee shall provide copies of monthly reports to the county or regional solid waste authority in which the facility or land application site(s) is located.

03. The Sewage Sludge Monitoring Report form shall be submitted monthly. The required report shall be received no later than 25 days following the end of the reporting period and shall be addressed to:

Director
Division of Water and Waste Management
Permitting and Engineering Branch
601 57th Street SE
Charleston, West Virginia 25304

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, West Virginia 25304

04. In conjunction with all other reporting requirements of this permit, copies of all future correspondence regarding this permit will be forwateded to the Environmental Inspector and Environmental Inspector Supervisor at the following address:

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, West Virginia 25304

05. The following method(s) of sludge disposal shall be used for sewage sludge generated and/or processed at the permitted facility:

Landfill Disposal: Sewage sludge may also be disposed at a landfill by placing the sewage sludge in the landfill cell, provided that the landfill obtains approval from the Division of Water and Waste Management to allow the acceptance of sewage sludge from the permittee, and provided that the landfill(s) is/are identified in the permit application. Prior approval by the Division of Water and Waste Management is required to change landfill disposal site(s).

06. Areas used for processing, curing, and/or storage of sewage slusdge shall be designed, constructed and operated to prevent release of contaminants to the groundwater and/or surface water.

07. All analyses performed on soils and sewage sludges shall be analyzed in accordance with analytical methods listed in 40 CFR Part 503.8 except that Nutrients may be analyzed in accordance with the most recently approved edition of Standard Methods and pH may be analyzed using EPA Method 9045D.

08. Sewage sludge disposed in a landfill cell shall be a non-hazardous material as defined in 40 CFR Part 261.24 and a minimum of 20 percent solids. If the sewage sludge is not 20 percent solids, a bulking agent may be used to achieve 20 percent solids before the sewage sludge is weighed in at the landfill. Alternative sludge disposal methods at the landfill can be utilized upon obtaining prior written approval from the Director of the Division of Water and Waste Management.

09. If sewage sludge is used for revegetation, or spread in any other manner at the landfill, the sewage sludge shall meet all of the land application requirements. These requirements include vector attraction and pathogen reduction methods, heavy metals limits, and abiding by an approved loading rate based on soil analyses.

Section D - Sewage Sludge Management Requirements

10. The permittee shall maintain all records and reports of all monitoring required by Section D of this permit for five (5) years after the date of monitoring or reporting. Records should include all sample results, including pathogen and vector attraction reduction monitoring; any landfill receipts; land application records, including site maps, the landowner agreement, soil sample results, daily and cumulative sludge loading rate information; copies of all required reports; and records of all data used to complete these reports.
11. The limitations and monitoring requirements listed in Section A.S01 of this Permit shall apply to the sewage sludge or sewage sludge products.
12. The appropriate composite sampling procedures shall be based upon the particular sludge sprocessing methods used by the permittee. The composite sampling procedures for the various methods are described as follows:

    Belt Press or Vacuum Filter - During the week that the composite sample is obtained, the permittee shall take a minimum of three (3) grab samples during each day of the week that the dewatering system is in operation. These grab samples are to be mixed together and the final sample obtained from the composite. Samples should be collected at a point immediately after the dewatering operation.

    Liquid Sludge - During the week that the composite sample is obtained, the permittee shall take a representative grab sample from each truck load of sewage sludge hauled during that week. These grab samples are to be mixed together and the final sample obtained from the composite. Samples should be collected from the sewage sludge being pumped into the truck or as the sewage sludge is being discharge from the truck.

    Sewage Sludge Drying Beds - During the week that the composite sample is obtained, the permittee shall take a minimum of four (4) grab samples from each bed finished during that week. These grab samples are to be mixed together and the final sample obtained from the composite.

    Composting or Stock Piles - The permittee shall obtain a minimum of eight (8) grab samples from the pile of finished product. These grab samples are to be mixed together and the final sample obtained from the composite.

Section E - Pretreatment (Industrial Users)

01. The permittee may accept non-domestic wastewater from the following Industrial User(s) providing each respective Industrial User maintains continued compliance with all applicable requirements of this section and all applicable limitations and monitoring requirements prescribed in Section(s) A.IU01:

Industrial User Facility Name	Outfall	Classification
Linde, Inc.	IU01	IU

IU - Industrial User
CIU - Categorical Industrial User
SIU - Significant Industrial User

02. The acceptance of non-domestic wastewater from the Industrial Users listed in Section E.1 is subject to and contingent upon the following terms and conditions:

a. NON-DOMESTIC WASTEWATERS APPROVED FOR ACCEPTANCE:

1) The non-domestic wastewater approved for acceptance from Linde, Inc. consists of blow down from a cooling water reservoir for condensing ammonia gas to ammonia liquid. The water reservoir is cleaned annually. The maximum daily volume accepted shall not exceed 24,500 gallons. The actual volume accepted shall be metered and recorded daily.

b. SAMPLING PROCEDURES:

1) Linde, Inc.

An individual grab sample and pH measurement shall be obtained at a time that is representative of normal operations.

Composite samples shall be obtained by collection and combination of a minimum of four (4) equal volume aliquots with aliquots accepted at approximately equal time intervals over the daily discharge period.

c. SAMPLING AND MONITORING REQUIREMENTS:

1) Samples on non-domestic wastestreams shall be collected at the discharge point prior to its mixing with any other wastestream unless otherwise specified.

2) Sampling and analyses required by Section A.IU01 shall be conducted in accordance with sample collection, preservation, and analytical procedures specified in 40 CFR 136.

3) As specified in Section A.IU01, quarterly monitoring periods are Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec.

4) If the permittee or industrial user monitors any parameter more frequently than required by Section(s) A.IU01, using procedures specified by Section E.2.c.2, then the results of additional monitoring must be reported.

5) All industrial users shall maintain information relative to self-monitoring for a minimum of three (3) years. The information maintained shall include: the date, exact location, method, and time of sampling; the sample preservation techniques used; the name of the person taking the samples; the date(s) the analyses were performed; the name of the person performing the analyses; and the analytical results.

6) Reporting of monitoring required by Section A.IU01 shall be submitted to the Division of Water and Waste Management along with the permittee's Discharge Monitoring Reports. Reports shall contain results of all analysis performed, and the estimated daily volume of the wastewater accepted. Reports shall be due on the 25th day of the month following the end of the monitoring period.

d. NOTIFICATION REQUIREMENTS:

1) All industrial users shall notify the permittee immediately of all discharges that could cause problems to the POTW, including any slug loadings, as defined by 40 CFR 403.5(b) of the Code of Federal Regulations.

Section E - Pretreatment (Industrial Users)

02. d. 2) All industrial users shall notify the permittee and the Division of Water Resources of any discharge into the POTW of any substance, which otherwise disposed of, would be considered a hazardous waste under 40 CFR 261 of the Code of Federal Regulations unless they discharge less than fifteen (15) kilograms of non-acute hazardous waste in a calendar month.

3) For any instances that sampling results have a result of "non-detect", less than the minimum detection level (<MDL), the results shall be reported as less than the minimum detection level used. For example, if the laboratory results indicate non-detect for a parameter and the MDL is listed as 0.005 mg/l, the Industrial User shall indicate on the Discharge Monitoring Report for that parameter "< 0.005 mg/l". For purposes of averaging values, the Industrial User shall use zero for any values listed as non-detect at the MDL, when calculation averages. If all samples are listed as non-detect at the MDL, then the permittee should not use zero for the purposes of calculating averages, but should instead average all of the MDLs and then report the result as less than the average of the MDLs.

4) Each Industrial User shall submit a Discharge Monitoring Report for every monitoring period. If the Industrial User does not discharge any non-domestic waste to the POTW during a given monitoring period, the Industrial User shall still submit the appropriately filled out and signed Discharge Monitoring Report indicating "NO DISCHARGE" during the monitoring period.

5) Alternative discharge monitoring report forms shall not be used without prior approval from this Agency.

e. PROHIBITED DISCHARGES:

1) Pollutants which create a fire or explosion hazard in the POTW (wastestreams with a closed cup flashpoint of less than 140 degrees F or 60 degrees C using test methods specified in 40 CFR 261.21 of the Code of Federal Regulations).

2) Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference.

3) Heat in such quantities that the temperature at the POTW exceeds 40 degrees C (104 degrees F).

4) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems.

5) Any trucked or hauled pollutants, except at discharge points designated by the POTW.

6) Any pollutant(s) discharged in a quantity which has the potential to cause Pass Through or Interference.

7) Pollutants which will cause corrosive structural damage to the POTW and, in no case, discharges with a pH lower than 5.0 S.U.

03. BYPASS:

a. Definitions.

1) Bypass means the intentional diversion of wastestreams from any portion of an Industrial User's treatment facility.

2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypass not violating applicable Pretreatment Standards or Requirements. An Industrial User may allow any bypass to occur which does not cause Pretreatment Standards or Requirements to be violated, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of paragraphs (c) and (d) of this section.

c. Notice.

1) If an Industrial User knows in advance of the need for a bypass, it shall submit prior notice to the WVDEP, if possible at least ten days before the date of the bypass.

Section E - Pretreatment (Industrial Users)

03. c. 2) An Industrial User shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to the WVDEP within 24 hours from the time the Industrial User becomes aware of the bypass. A written submission shall also be provided within 5 days of the time the Industrial User becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The WVDEP may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

d. Prohibition of Bypass.

1) Bypass is prohibited, and the WVDEP may take enforcement action against an Industrial User for a bypass, unless;

(i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and

(iii) The Industrial User submitted notices as required under paragraph (c) of this section.

2) The WVDEP may approve an anticipated bypass, after considering its adverse effects, if the WVDEP determines that it will meet the three conditions listed in paragraph (d)(1) of this section.

04. In addition to the conditions listed in Section E.2, the following conditions apply specifically to Categorical and Significant Industrial User facilities listed in Section E.1.

a. All baseline reports, reports on compliance, and self monitoring reports must be signed and certified in accordance with 40 CFR 403.12 of the Code of Federal Regulations.

b. If a Categorical Industrial User listed in Section E.1 conducts sampling that reveals a violation of their respective limitations prescribed in Section A.IU01 or any of the prohibited discharges listed in Section E.2.e, the Categorical Industrial User shall notify the Director of said violation within 24 hours of becoming aware of the violation. In addition, the Categorical Industrial User shall repeat the sampling and analysis for the pollutant in violation and submit the results to the Director within 30 days.

05. Should any of the permittee's industrial users fail to comply with the specific terms and conditions pertaining to that specific industrial user in this permit, the permittee shall immediately contact said industrial user and identify the violation causing the noncompliance with the permit. The permittee shall take all reasonable, escalating enforcement steps, up to and including disallowing the continued acceptance of the nondomestic wastewater from the industrial user, to keep the industrial user compliant with the terms and conditions of the permit. Also, the permittee shall immediately inform the Agency of any current noncompliance by industrial users by attaching a written summary of these violations, the cause of each violation, and the steps taken to prevent their recurrence with the submitted Discharge Monitoring Reports. Should the permittee take all of the enforcement steps outlined above, these actions may be used as a mitigating factor to any enforcement actions taken upon the permittee for the noncompliance by the industrial users to the terms and conditions of Section E or Sections A.IU01 herein. However, the burden of proof in relation to the use of this mitigating factor shall lie exclusively upon the permittee. This condition shall not be used as a mitigating factor to any noncompliance associated with any other section of this permit, even if said noncompliance is, in whole or in part, caused by an industrial user.

06. Please find the enclosed monitoring form that shall be used by Linde, Inc. This form shall be completed and submitted monthly to the Town of Marmet. The Town of Marmet shall attach this form to the monthly Discharge Monitoring Report submitted to this office. Photocopies of the blank form should be made and filed as this office does not supply additional monitoring forms. All analytical lab forms need not be submitted, but should be available for inspection at the industrial user's facility.

Section E - Pretreatment (Industrial Users)

07. This Division reserves the right to disallow the continued acceptance of the nondomestic wastewater(s) from any of the facilities described in Section E.1, or to require installation of additional pretreatment facilities, should the wastewater violate specified limitations, cause interference or pass-through at the POTW and result in effluent limitation violations or receiving stream degradation, or adversely impact POTW sludge disposal. Approval of the permittee's acceptance of the indirect discharge(s) in no way relieves the permittee of its obligation to comply with all terms and conditions of its WV/NPDES Permit and shall not constitute an affirmative defense in any enforcement action brought against the permittee.

Section F - Combined Sewer System Overflows

01. Outlet Numbers C002 through C004 (3 total outfalls) serve as combined sewer relief points. Combined sewer overflows (CSOs) are allowed only when flows in the combined sewers exceed the conveyance and/or treatment capacities during wet weather periods. Wet weather shall be defined for this requirement as any period of time in which flows within the combined sewer system, or portion thereof, are being substantially influenced by rainfall, snowmelt, and/or other natural phenomena. Dry weather overflow events from any CSO are prohibited. The permittee shall ensure that all CSO events comply with the requirements found in Section E and any other pertinent portions of this permit. The requirements of this permit shall not supersede the 1994 CSO Policy or the recommended EPA Guidance for Nine Minimum Controls.

02. Technology-Based Effluent Limitations For CSOs. The permittee shall comply with the following technology-based requirements:

a. CONDUCT PROPER OPERATION AND REGULAR MAINTENANCE PROGRAMS

The permittee shall prepare and implement a proper Operation and Maintenance Program for their combined sewer system (CSS). The permittee shall prepare, maintain, and implement a Combined Sewer Overflow (CSO) Operation and Maintenance Manual (OMM) describing routine operation, inspection, maintenance, and training activities. The OMM shall be reviewed and updated at least one time per year to ensure the OMM's accuracy. The OMM shall include, but is not limited to, the following listed elements.

01) The permittee shall establish an annual CSO budget and shall provide documentation of the process used to establish said budget in the OMM.

02) The permittee shall provide and document as a part of the OMM the following items:

i) Current and accurate sketch/map of CSS depicting CSO outfall locations, receiving streams, identified sensitive areas, and the location of rain gauges.

ii) For a minimum of three years, all inspection reports and forms, operation and maintenance logs, training records, customer complaints, and annual summaries of wet and dry weather CSO events.

iii) Accurate program documents that describes current operations, inspection, and maintenance procedures for any CSO equipment and structures.

iv) Summaries of up-to-date information concerning wet and dry weather CSO events that can be publicly viewed.

03) The permittee shall establish municipal ordinances to prevent illicit CSS connections and to prevent dumping of debris into the CSS.

04) The permittee shall provide adequate training programs pertaining to CSO activities for the staff.

05) The permittee shall identify and document any sensitive areas (e.g. receiving stream segments having primary contact recreation uses, marinas and boat ramps, drinking water intakes, public parks) and shall document whether there are CSOs outfalls discharging in or just upstream of these sensitive areas. Based on this information, CSO outfalls shall be prioritized for proper development of CSO controls.

06) The permittee shall establish and maintain regularly scheduled outfall inspections with procedures that can accurately detect and document wet and dry weather CSO discharge events.

07) The permittee shall maintain, at a minimum, one (1) rain gauge in order to obtain measurements of local precipitation during wet weather periods. Additional gauges may be required depending upon the size of the CSS. The rain gauge measurement data shall be submitted as a part of the periodic reports and will assist the permittee in developing an accurate characterization of the CSS during wet weather CSO discharge events.

08) The permittee shall prepare a list of critical CSO equipment and shall establish and properly document a preventive maintenance schedule for said equipment. The permittee shall properly document any repairs made to the CSS and/or CSO equipment/structures.

Section F - Combined Sewer System Overflows

02. a. 09) The permittee shall establish, implement, and document a routine maintenance schedule for the following specific activities described and listed below. There may be need to do some of these activities at times by necessity; however, an established schedule to routinely complete these activities shall be put in place.

09) i) Routine inspection and cleaning of catch basins and manholes.
ii) Routine inspection , cleaning and maintenance of lift stations including pumps.
iii) Routine vacuum cleaning and/or jet flushing of the combined sewer system.
iv) Routine street cleaning.
v) Routine inspections of portions of the combined collection system.

10) Periodic inspections of grease traps from restaurants, schools, and other facilities with food services shall be conducted and documented. Periodic inspections of businesses and /or other customers that may be contributing waste streams other than domestic sewage shall be conducted and documented.

11) The permittee shall establish a procedure detailing how CSS customer complaints are taken, tracked, processed, and resolved. A summary of complaints and resolutions for the past three years shall be readily available for review by the public or the WVDEP.

b. MAXIMIZE USE OF STORAGE IN COLLECTION SYSTEM

The permittee shall identify, and document in the OMM, portions of the combined sewer system (CSS) usable for storage and determine the CSS storage capacity including the configuration, size, and lift station capacities. The permittee shall identify, and document in the OMM, any unused tanks or piping that could potentially be used as off-line storage at the existing facilities. The permittee shall identify any bottlenecks in the combined sewer system and provide recommendations on increasing flows through these areas. The permittee shall identify procedures (and document them in the OMM) such as pre-storm drawdowns of lift station wet wells and interceptor collection lines that could provide additional wet weather storage capacity.

c. REVIEW AND MODIFICATION OF PRETREATMENT PROGRAM

The permittee shall document in the OMM, the procedures used to inspect and evaluate the necessity of pretreatment for indirect non-domestic wastewater dischargers (i.e., restaurants, gasoline stations, garages, funeral homes, hospitals, schools, etc.) to minimize their impacts on CSO discharges. The permittee shall maintain a list of non-domestic dischargers to their combined collection systems and evaluate the necessity to require dischargers to reduce or cease their discharges during wet weather periods when CSO discharges are occurring. A summary of pretreatment inspections or evaluations shall be submitted as a part of the CSO Summary Report (CSR)identified in Section E.6 below.

d. MAXIMIZATION OF FLOW TO POTW FOR TREATMENT

The permittee shall document the plans and procedures being implemented to maximize the combined wastewater flow to the POTW during wet weather events and to deliver as much of the combined wastewater flow as possible to the treatment plant within the treatment plant's hydraulic capacity and the treatment plant's constraints as imposed by the permit effluent limitations. The plan shall be documented in the OMM and a summary of any ongoing activities shall be submitted as a part of the periodic CSR. The permittee shall evaluate annually and document any maximization procedures implemented including the following:

01) Evaluate and document the performance of critical CSO equipment in the combined sewer system and POTW.

02) Evaluate and document the potential of raising CSO diversion weirs or other devices to the maximum heights possible to reduce CSO activity.

03) Evaluate and document the comparison between existing flow rates to design capacity for both the POTW and the lift station pumps.

04) Evaluate and document the capacities of major interceptors and pumping stations delivering flows to the POTW.

05) Evaluate and document wet weather flow rates to the POTW compared to typical dry weather flows.

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02. d. 06) Evaluate and document whether some portion of wet weather flow could receive partial treatment at the POTW.

07) Evaluate and document the status of any excessive inflow and infiltration (I&I) correction projects.

08) Evaluate and document whether CSO discharge events are occurring even when the POTW flow volumes at the POTW falls below the rated design capacity. If occurrences are happening, develop corrective actions that can be taken to prevent recurrence.

e. ELIMINATION OF CSOs DURING DRY WEATHER

Dry weather overflows (DWO) from CSOs are prohibited and shall be reported to the WVDEP's emergency spill line within 24 hours of its detection. The permittee shall conduct annual evaluations for the following:

01) Evaluate the number of reported DWO events that have occurred during the past three years.

02) Determine the causes of DWO, and provide the actions that the permittee has taken and will take in the future to prevent recurrence.

03) Evaluate the existing methods of detecting DWO and their efficacy.

04) Evaluate remediation procedures for the treatment, removal, or flushing of objectionable materials deposited in receiving streams or the stream bank after DWO - due to either complaints or health issues.

05) Evaluate whether a DWO event could potentially directly endanger the health of recreational stream users or the environment itself.

06) Identify the processes used to make these evaluations and document them in the OMM.

07) A summary of these annual results shall be submitted as a part of the CSR.

f. CONTROL OF SOLIDS AND FLOATABLE MATERIALS

The permittee shall control solid and floatable materials discharging from all CSO discharges and the permittee shall have these objectionable materials removed should an abnormally large amount of these materials be deposited in the receiving stream or on the stream bank. The permittee shall conduct an annual evaluation of past performance, and recommend corrective actions to reduce the presence of solids and floatable materials in CSO discharges and the receiving steam. The process of making these evaluations shall be documented in the OMM. Actions taken to control solid and floatable materials shall be documented in the CSR. The following list is items that should be reviewed:

01) The permittee shall evaluate and implement control technologies at each outfall to control solids and floatable materials. These technologies should be maintained and documented.

02) The permittee shall evaluate and give consideration to installing screens at catch basins and or outfall structures prior to discharging to receiving streams.

03) The permittee shall evaluate having annual leaf pickups as a preventative measure.

04) The permittee shall evaluate having a community recycling programs as a preventative measure.

05) The permittee shall evaluate providing trash containers in high traffic areas.

06) The permittee shall evaluate their control of illegal dumping and their enforcement of local litter laws.

07) The permittee shall evaluate and give consideration to installing outfall booms, netting, etc. for control of floatable materials.

08) The permittee shall evaluate the effectiveness of a street cleaning program.

g. POLLUTION PREVENTION

The permittee shall summarize any pollution prevention activity in the CSR, and conduct an annual evaluation and recommend corrective actions. The following items should be evaluated:

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02. g. 01) The permittee shall evaluate the need for source control measures at the government level for pollution prevention.

02) The permittee shall provide educational opportunities for the general public concerning the need for their assistance to reduce pollution reaching the combined sewer system.

03) The permittee shall evaluate the opportunity of organizing the collection and disposal of household hazardous waste materials.

h. PUBLIC NOTIFICATION

The permittee shall conduct an annual evaluation on the effectiveness of its public notification process by reviewing and providing documentation of the following items:

01) The permittee shall ensure and document that adequate warning signs are installed at each CSO outfall that notify and alert the public to avoid contact with waters near or downstream of discharging CSO outfalls.

02) The permittee shall evaluate the feasibility and document that adequate warning signs are installed at public stream access points (e.g. marinas and boat launches) that notify and alert the public to avoid recreational contact with waters during or just after any CSO discharge.

03) The permittee shall develop and document procedures to provide to the general public, and specific entities that might be expected to be affected by CSO discharges, information concerning CSO discharge occurrences and their impacts to water quality in the receiving stream(s) (e.g. newspaper public notifications, newspaper advertisements, public service announcements on radio and/or television).

04) The permittee shall develop and document procedures for public notification in circumstances where public notification concerning of CSO discharge activity is critical and immediate.

05) The permittee shall ensure and document the availability of CSO pamphlets for distribution and education of the general public.

06) The permittee shall ensure and document the availability of a logbook of CSO discharges and activities that is readily available for public review (e.g. payment offices, town halls, community centers).

07) The permittee shall evaluate and document any public education programs concerning CSOs and the community's response and any other plans addressing them.

08) The permittee shall record and document any public involvement including any comments or suggestions made by the public concerning CSOs.

i. MONITORING TO CHARACTERIZE CSO IMPACTS TO RECEIVING STREAMS AND THE EFFICIENCY OF CSO CONTROLS

The permittee shall monitor CSO outfall discharges and the receiving waters into which these CSOs discharge and shall characterize their impacts and also make determinations about concerning how well CSO controls are improving water quality in the receiving stream(s).

01) The permittee shall ensure and document that they have installed and are maintaining a rain gauge(s) to measure precipitation within the CSS drainage areas.

02) The permittee shall evaluate and document whether they use or can use stream gage information from the National Weather Service or the US Geological Survey to specify the amount and intensity of rain or snow events that could trigger CSO activity and also to obtain stream flow data for analysis.

03) The permittee shall ensure and document the specific location and the receiving stream of each CSO outfall in the CSS and shall also investigate and determine if any CSO outfalls discharge to environmentally sensitive areas. CSO outfalls that discharge to environmentally sensitive areas (i.e. near water intakes; near parks, schools, or marinas; water recreation areas or areas where there exists a high possibility of human contact and exposure; and areas likely to affect threatened or endangered animal species) should be given a high priority. Outfalls that have the highest frequency of discharge or that discharge the greatest volume of wastewater should also be considered a high priority.

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02. i. 04) The permittee shall implement and document the procedures utilized by the permittee to collect and summarize data concerning the total number of CSO overflow events (both wet and dry weather) and the frequency and duration of CSO activities for at least a representative number of CSO outfalls. The permittee shall monitor and maintain a record of CSO activity for the duration and estimated volume for all overflow events that occur at a minimum of 10 percent (%) of the highest priority CSO outlets in the permittee's combined collection system. The permittee shall also record rainfall data during these CSO overflow events. The CSO flow monitoring data and rainfall data shall be submitted to this agency as a portion of the quarterly progress reports required below.

05) The permittee shall implement and document the procedures utilized by the permittees to correlate the precipitation data and the CSO activity data in order to predict what measured amount and intensity of rainfall/snowmelt events will trigger CSO activity.

06) The permittee shall implement and document the procedures utilized to collect water quality data and other information on chemical, physical, and biological impacts resulting from CSO discharges (e.g. swimming area closings, excessive floatable materials in streams, fish kills, sludge banks, impaired habitat for aquatic life).

07) The permittee shall implement and document the procedures utilized by the permittee following the completion of a CSO control project in order to evaluate any improvements made to water quality from said control projects.

03. WATER QUALITY-BASED EFFLUENT LIMITATIONS FOR CSOs

a. To the extent provided by law, the discharges from the permittee's CSOs shall not cause or contribute to an in-stream excursion above any numeric or narrative criteria developed and adopted as part of the WV water quality standards.

b. The permittee shall comply with one (1) of two (2) approaches in its LTCP: 1) demonstrate that its plan is adequate to meet the water quality-based requirements of the CWA ("demonstration approach"), or 2) implement a minimum level of treatment (e.g., elimination or capture for treatment, or storage and subsequent treatment, of at least 85 percent of the collected combined sewage flows in the combined sewer system on a system-wide annual average basis; discharge no more than an average of four (4) – six (6) overflow events per year); or, under design conditions, eliminate or remove no less than the mass of the pollutants identified as causing water quality impairment, for the volumes that would be eliminated or captured for treatment under the 85% capture approach that is presumed to meet the water quality-based requirements of the CWA, unless data indicate otherwise ("presumption approach").

04. LONG-TERM CONTROL PLAN (LTCP)

a. The permittee shall implement and effectively operate and maintain the current CSO controls and any completed CSO abatement projects. A revised LTCP was compiled and submitted to the agency on October 20, 2008. The agency continues to coordinate the review and finalization of the LTCP with the City.

b. Once a LTCP has been approved, any additional structure CSO control projects planned for construction shall be implemented, operated, and maintained in accordance with the schedule established in the approved LTCP.

05. POST CONSTRUCTION COMPLIANCE MONITORING

Once the permittee has identified the necessary CSO controls as part of the LTCP, the permittee shall develop and submit a post-construction monitoring program that is adequate to ascertain the effectiveness of the CSO controls and can be used to verify attainment of water quality standards. The program shall include details of monitoring protocols to be followed, including CSO and ambient monitoring.

06. REPORTING REQUIREMENTS

a. The permittee shall submit a quaterly (1/Quarter) CSO Summary Report (CSR) detailing actions taken to meet the CSO Policy requirements and the LTCP. The CSR shall include the flow monitoring information as required in 2.i above. The progress reports shall be postmarked no later than 15 days or shall be received no later than 20 days following the end of the quaterly (1/Quarter) period.

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06. b. The quaterly (1/Quarter) CSRs shall be addressed and submitted to the following:

Director
Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304
Attention: Permitting Section

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, WV 25304

07. CSO LANGUAGE REOPENER CLAUSE

a. This permit may be modified or revoked and reissued to include new or revised conditions should new information, not available at the time of permit issuance or permit modification issuance, indicate that CSO controls imposed under the terms of the permit have failed to ensure the attainment of the WV water quality standards.

b. This permit may be modified or revoked and reissued to include new or revised conditions based upon new information resulting from the implementation of the LTCP.

08. TOTAL MAXIMUM DAILY LOAD (TMDL)

a) The receiving stream, Lens Creek of the Kanawha River, had a TMDL developed and approved by EPA in 2005 for fecal coliform bacteria. The 2005 EPA approved TMDL specifies a wasteload allocations of 200 counts per 100 milliliters for fecal coliform for the aforementioned CSO outlets (C002 - C004). As such, the permittee must implement procedures in its LTCP to afford compliance with the wasteload allocations prescribed by the TMDL.

b) For the CSO outfalls noted above, LTCP implementation procedures should include scheduling the TMDL compliance measures in the LTCP and implementation of those measures should be represented in the LTCP compliance schedule (implementation schedule). If any changes in water quality standards and/or TMDL revisions or updates occur during implementation of the LTCP, the LTCP may need to be revised to address those changes.

The herein-described activity is to be extended, modified, added to, made, enlarged, acquired, constructed or installed, and operated, used and maintained strictly in accordance with the terms and conditions of this permit, with the plans and specifications submitted with Permit Application No. WV0021750; with the plan of maintenance and method of operation thereof submitted with such application(s); and with any applicable rules and regulations promulgated by the Environmental Quality Board and the Secretary of the Department of Environmental Protection.

Failure to comply with the terms and conditions of this permit, with the plans and specifications submitted with Permit Application No. WV0021750; and with the plan of maintenance and method of operation thereof submitted with such application(s) shall constitute grounds for the revocation or suspension of this permit and the invocation of all the enforcement procedures set forth in Chapter 22, Article 11, or 15 of the Code of West Virginia.

This permit is issued in accordance with the provisions of Chapter 22, Article 11 and 12 and/or 15 of the Code of West Virginia and is transferable under the terms of Section 11 of Article 11.

Katheryn Emery, P.E., Acting Director

Appendix A

I. MANAGEMENT CONDITIONS:

1. Duty to Comply

a) The permittee must comply with all conditions of this permit. Permit noncompliance constitutes a violation of the CWA and State Act and is grounds for enforcement action; for permit modification, revocation and reissuance, suspension or revocation; or for denial of a permit renewal application.

b) The permittee shall comply with all effluent standards or prohibitions established under Section 307(a) of the CWA for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

2. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit at least 180 days prior to expiration of the permit.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit, which has a reasonable likelihood of adversely affecting human health or the environment.

4. Permit Actions

This permit may be modified, revoked and reissued, suspended, or revoked for cause. The filing of a request by the permittee for permit modification, revocation and reissuance, or revocation, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

5. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

6. Signatory Requirements

All applications, reports, or information submitted to the Director shall be signed and certified as required in Title 47, Series 10 , Section 4.6 of the West Virginia Legislative Rules.

7. Transfers

This permit is not transferrable to any person except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary.

8. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable specified time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, suspending, or revoking this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

9. Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

10. Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

a) Enter upon the permittee's premises in which an effluent source or activity is located, or where records must be kept under the conditions of this permit;

b) Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;

c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

d) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the State Act, any substances or parameters at any location.

11. Permit Modification

This permit may be modified, suspended, or revoked in whole or in part during its term in accordance with the provisions of Chapter 22-11-12 of the Code of West Virginia.

12. Water Quality

This discharge shall not cause or materially contribute to: distinctly visible floating or settable solids, suspended solids, scum, foam or oily slicks; deposits or sludge bank on the bottom; odors in the vicinity of the waters; taste or odor that would adversely affect the designated uses of the affected waters; distinctly visible color which may impair or interfere with the designated uses of the affected waters; and shall not cause a fish or mussel kill. The limitations and conditions in this permit for the discharges identified in this permit are limitations and conditions that are necessary to meet applicable West Virginia water quality standards, Requirements Governing Water Quality Standards 47 CSR 2.

13. Outlet Markers

A permanent marker at the establishment shall be posted in accordance with Title 47, Series 11, Section 9 of the West Virginia Legislative Rules.

14. Liabilities

a) Any person who violates a permit condition implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed $25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing sections 301, 302, 306, 307, 308 or 405 of the Clean Water Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than 1 year, or both.

b) Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 2 years, or by both.

c) Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 2 years, or by both.

d) Nothing in I.14 a), b), and c) shall be construed to limit or prohibit any other authority the Director may have under the State Water Pollution Control Act, Chapter 22, Article 11.

II. OPERATION AND MAINTENANCE:

1. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. Unless otherwise required by Federal or State law, this provision requires the operation of back-up auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of the permit. For domestic waste treatment facilities, waste treatment operators as classified by the WV Bureau of Public Health Laws, W. Va. Code Chapter 16-1, will be required except that in circumstances where the domestic waste treatment facility is receiving any type of industrial waste, the Director may require a more highly skilled operator.

2. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

3. Bypass

a) Definitions

(1) "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility; and

(2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of II.3.c) and II.3.d) of this permit.

c) (1) If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten (10) days before the date of the bypass;

(2) If the permittee does not know in advance of the need for bypass, notice shall be submitted as required in IV.2.b) of this permit.

d) Prohibition of bypass

(1) Bypass is permitted only under the following conditions, and the Director may take enforcement action against a permittee for a bypass, unless;

(A) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(B) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and

(C) The permittee submitted notices as required under II.3.c) of this permit.

(2) The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed in II.3.d.(1) of this permit.

4. Upset

a) Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.

b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitation if the requirements of II.4.c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the permittee can identify the cause(s) of the upset;

(2) The permitted facility was at the time being properly operated;

(3) The permittee submitted notice of the upset as required in IV.2.b) of this permit.

(4) The permittee complied with any remedial measures required under I.3. of this permit.

d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

5. Removed Substances

Where removed substances are not otherwise covered by the terms and conditions of this permit or other existing permit by the Director, any solids, sludges, filter backwash or other pollutants (removed in the course of treatment or control of wastewaters) and which are intended for disposal within the State, shall be disposed of only in a manner and at a site subject to the approval by the Director. If such substances are intended for disposal outside the State or for reuse, i.e., as a material used for making another product, which in turn has another use, the permittee shall notify the Director in writing of the proposed disposal or use of such substances, the identity of the prospective disposer or users, and the intended place of disposal or use, as appropriate.

III. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. Reporting

a) Permittee shall submit, according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration, and/or quantities, the values of the constituents listed in Part A analytically determined to be in the plant effluent(s). DMR submissions shall be made in accordance with the terms contained in Section C of this permit.

b) Enter reported average and maximum values under "Quantity" and "Concentration" in the units specified for each parameter, as appropriate.

c) Specify the number of analyzed samples that exceed the allowable permit conditions in the columns labeled "N.E." (i.e., number exceeding).

d) Specify frequency of analysis for each parameter as number of analyses/specified period (e.g.,3/month is equivalent to 3 analyses performed every calendar month). If continuous, enter "Cont.". The frequency listed on format is the minimum required.

3. Test Procedures

Samples shall be taken, preserved and analyzed in accordance with the latest edition of 40 CFR Part 136, unless other test procedures have been specified elsewhere in this permit.

4. Recording of Results

For each measurement or sample taken pursuant to the permit, the permittee shall record the following information.

a) The date, exact place, and time of sampling or measurement;

b) The date(s) analyses were performed;

c) The individual(s) who performed the sampling or measurement;

d) The individual(s) who performed the analyses; if a commercial laboratory is used, the name and address of the laboratory;

e) The analytical techniques or methods used, and

f) The results of such analyses. Information not required by the DMR form is not to be submitted to this agency, but is to be retained as required in III.6.

5. Additional Monitoring by Permittee

If the permittee monitors any pollutant at any monitoring point specified in this permit more frequently than required by this permit, using approved test procedures or others as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report Form. Such increased frequency shall also be indicated. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in the permit.

6. Records Retention

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for the permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.

7. Definitions

a) "Daily discharge" means the discharge of a pollutant measured during a calendar day or within any specified period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the day.

b) "Average monthly discharge limitation" means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

c) "Maximum daily discharge limitation" means the highest allowable daily discharge.

d) "Composite Sample" is a combination of individual samples obtained at regular intervals over a time period. Either the volume of each individual sample is proportional to discharge flow rates or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite. The maximum time period between individual samples shall be two hours.

e) "Grab Sample" is an individual sample collected in less than 15 minutes.

f) "is" = immersion stabilization - a calibrated device is immersed in the effluent stream until the reading is stabilized.

g) The "daily average temperature" means the arithmetic average of temperature measurements made on an hourly basis, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar month, or during the operating month if flows are of shorter duration.

h) The "daily maximum temperature" means the highest arithmetic average of the temperatures observed for any two (2) consecutive hours during a 24 hour day, or during the operating day if flows are of shorter duration.

i) The "monthly average fecal coliform" bacteria is the geometric average of all samples collected during the month.

j) "Measured Flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or which a relationship to absolute volume has been obtained.

k) "Estimate" means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to pump capabilities, water meters and batch discharge volumes.

l) "Non-contact cooling water" means the water that is contained in a leak-free system, i.e., no contact with any gas, liquid, or solid other than the container for transport; the water shall have no net poundage addition of any pollutant over intake water levels, exclusive of approved anti-fouling agents.

IV. OTHER REPORTING

1. Reporting Spills and Accidental Discharges

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to Title 47, Series 11, Section 2 of the West Virginia Legislative Rules promulgated pursuant to Chapter 22, Article 11. Attached is a copy of the West Virginia Spill Alert System for use in complying with Title 47, Series 11, Section 2 of the Legislative rules as they pertain to the reporting of spills and accidental discharges.

2. Immediate Reporting

a) The permittee shall report any noncompliance which may endanger health or the environment immediately after becoming aware of the circumstances by using the Agency's designated spill alert telephone number. A written submission shall be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

b) The following shall also be reported immediately:
   (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
   (2) Any upset which exceeds any effluent limitation in the permit; and
   (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit shall be reported immediately. This list shall include any toxic pollutant or hazardous substance, or any pollutant specifically identified as the method to control a toxic pollutant or hazardous substance.

c) The Director may waive the written report on a case-by-case basis if the oral report has been received in accordance with the above.

d) Compliance with the requirements of IV.2 of this section, shall not relieve a person of compliance with Title 47, Series 11, Section 2.

3. Reporting Requirements

a) Planned changes. The permittee shall give notice to the Director of any planned physical alterations or additions to the permitted facility which may affect the nature or quantity of the discharge. Notice is required when:
   (1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in Section 13.7.b of Series 10, Title 47; or
   (2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under IV.2 of this section.

b) Anticipated noncompliance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

c) In addition to the above reporting requirements, all existing manufacturing, commercial, and silvicultural discharges must notify the Director in writing as soon as they know or have reason to believe:
   (1) That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, or any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
      (A) One hundred micrograms per liter (100 ug/l);
      (B) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitro phenol; and for 2-methyl 4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
      (C) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with Section 4.4.b.9 of Series10, Title 47.
      (D) The level established by the Director in accordance with Section 6.3.g of Series 10, Title 47;
   (2) That any activity has occurred or will occur which would result in any discharge (on a non-routine or infrequent basis) of a toxic which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
      (A) Five hundred micrograms per liter (500 ug/l);
      (B) One milligram per liter (1 mg/l) for antimony;
      (C) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with Section 4.4.b.7 of Series 10, Title 47;
      (D) The level established by the Director in accordance with Section 6.3.g of Series 10, Title 47.
   (3) That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product of any toxic pollutant which was not reported in the permit application under Section 4.4.b.9 of Series 10, Title 47 and which will result in the discharge on a routine or frequent basis of that toxic pollutant at levels which exceed five times the detection limit for that pollutant under approved analytical procedure.
   (4) That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product of any toxic pollutant which was not reported in the permit application under Section 4.4.b.9 of Series 10, Title 47 and which will result in the discharge on a non-routine or infrequent basis of that toxic pollutant at levels which exceed ten times the detection limit for that pollutant under approved analytical procedure.

4. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under the above paragraphs at the time monitoring reports are submitted. The reports shall contain the information listed in IV.2.a). Should other applicable noncompliance reporting be required, these terms and conditions will be found in Section C of this permit.

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Town of Marmet) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 001
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
50050 (ML-1) RF-A Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		Continuous	measured
00310 (ML-B) RF-A BOD, 5-Day 20 Deg.C Year Round	Reported												
	Permit Limits	45.9 Avg. Monthly	91.8 Max. Daily	Lbs/Day		N/A	11 Avg. Monthly	22 Max. Daily	N/A	mg/l		1/month	8 hr comp
00530 (ML-A) RF-A Total Suspended Solids Year Round	Reported												
	Permit Limits	125.1 Avg. Monthly	250.2 Max. Daily	Lbs/Day		N/A	30 Avg. Monthly	60 Max. Daily	N/A	mg/l		1/month	8 hr comp
51012 (ML-K) RF-A BOD,5-day % Rem,dry weather Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	85 Month. Avg. Min.	N/A	Percent		1/month	Calculated
51013 (ML-K) RF-A BOD,5-day %Rem,wet weather Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Month. Avg. Min.	N/A	Percent		1/month	Calculated
51014 (ML-K) RF-A Solids,Susp.% Rem,dry weather Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	85 Month. Avg. Min.	N/A	Percent		1/month	Calculated

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Town of Marmet) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 001
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
51015 (ML-K) RF-A	Reported												
Solids,Susp.% Rem,wet weather	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Month. Avg. Min.	N/A	Percent		1/month	Calculated
Year Round													
74055 (ML-A) RF-A	Reported												
Coliform, Fecal	Permit Limits	N/A	N/A			N/A	200 Mon. Geo. Mean	400 Max. Daily	N/A	Cnts/100m		1/month	Grab
Year Round													
00400 (ML-A) RF-A	Reported												
pH	Permit Limits	N/A	N/A			6 Inst. Min.	N/A	9 Inst. Max.	N/A	S.U.		1/month	Grab
Year Round													
00300 (ML-A) RF-A	Reported												
Dissolved Oxygen	Permit Limits	N/A	N/A			7.25 Inst. Min.	N/A	N/A	N/A	mg/l		1/month	Grab
Year Round													
00625 (ML-A) RF-A	Reported												
Nitrogen, Kjeldahl Total	Permit Limits	25 Avg. Monthly	50 Max. Daily	Lbs/Day		N/A	6 Avg. Monthly	12 Max. Daily	N/A	mg/l		1/month	8 hr comp
Year Round													
01119 (ML-A) RF-A	Reported												
Copper, Total Recoverable	Permit Limits	N/A	N/A			N/A	0.009 Avg. Monthly	0.018 Max. Daily	N/A	mg/l		1/month	8 hr comp
Year Round													

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Town of Marmet) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 001
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
01114 (ML-A) RF-D	Reported												
Lead, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/year	8 hr comp
Year Round													
01094 (ML-A) RF-A	Reported												
Zinc, Total Recoverable	Permit Limits	N/A	N/A			N/A	0.074 Avg. Monthly	0.155 Max. Daily	N/A	mg/l		1/month	8 hr comp
Year Round													

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Linde, Inc.) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 IU01
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
00056 (ML-4) RF-A	Reported												
Flow Rate	Permit Limits	Rpt Only Avg. Monthly	24500 Max. Daily	gpd		N/A	N/A	N/A	N/A			1/month	measured
Year Round													
00400 (ML-4) RF-A	Reported												
pH	Permit Limits	N/A	N/A			5 Inst. Min.	N/A	10 Inst. Max.	N/A	S.U.		1/month	Grab
Year Round													
01042 (ML-4) RF-A	Reported												
Copper, Total (as Cu)	Permit Limits	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day		N/A	Rpt Only Avg. Monthly	0.02 Max. Daily	N/A	mg/l		1/month	Comp
Year Round													
01051 (ML-4) RF-A	Reported												
Lead, Total (as Pb)	Permit Limits	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day		N/A	Rpt Only Avg. Monthly	0.02 Max. Daily	N/A	mg/l		1/month	Comp
Year Round													
01092 (ML-4) RF-A	Reported												
Zinc, Total (as Zn)	Permit Limits	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day		N/A	Rpt Only Avg. Monthly	1.5 Max. Daily	N/A	mg/l		1/month	Comp
Year Round													

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
SEWAGE SLUDGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Sludge) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 S01
RESULTS FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
00400 (ML-+) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			Rpt Only Minimum	N/A	Rpt Only Maximum	N/A	S.U.		1/6 months	Grab
61521 (ML-+) RF-C Arsenic, Sludge Tot. Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78476 (ML-+) RF-C Cadmium,Sludge,Tot Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78473 (ML-+) RF-C Chromium, Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78475 (ML-+) RF-C Copper,Sludge,Tot,Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78468 (ML-+) RF-C Lead, Dry. Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
SEWAGE SLUDGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Sludge) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 S01
RESULTS FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
78471 (ML-+) RF-C Mercury, Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78465 (ML-+) RF-C Molybdenum,Dry Wgt Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78469 (ML-+) RF-C Nickel, Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
49031 (ML-+) RF-C Selenium,Sludge,Tot. Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78467 (ML-+) RF-C Zinc, Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
00916 (ML-+) RF-C Calcium, Total (as Ca) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp

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WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
SEWAGE SLUDGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Sludge) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 S01
RESULTS FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
61553 (ML-+) RF-C Solids, Total Sludge Percent Year Round	Reported												
	Permit Limits	N/A	N/A			Rpt Only Minimum	Rpt Only Avg.	Rpt Only Maximum	N/A	Percent		1/6 months	1 Week Comp
78472 (ML-+) RF-C Potassium, Sludge Tot. Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78478 (ML-+) RF-C Phosphorus,Sludge,Tot,Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
82294 (ML-+) RF-C Nitrogen, Ammonia Tot. DW Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78470 (ML-+) RF-C Nitrogen, Sludge Tot. Dry Wt Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
51020 (ML-+) RF-C Organic Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp

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WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
SEWAGE SLUDGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Sludge) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 S01
RESULTS FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
00927 (ML-+) RF-C Magnesium,Tot (as Mg) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
31641 (ML-+) RF-C Fecal Coliform (Sludge) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Max. Daily	N/A	MPN/gram		1/6 months	1 Week Comp

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Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

SEWAGE SLUDGE MANAGEMENT REPORT

FACILITY NAME: (Town of Marmet)MARMET, TOWN OF
ADDRESS: P.O. Box 15216, Marmet, WV 25365-0216

DESIGN FLOW: 500,000 gpd
YEAR: _____
MONTH: _____

PERMIT NUMBER: WV0021750
MONITORING FREQUENCY: _____
LAST SAMPLE DATE: _____

Total Sludge Generated this Report Period: (Dry Tons) _____
Sludge Generated this Year to Date: (Dry Tons) _____
Sewage Sludge/Domestic Septage Received: (Gallons) _____

Disposal Method: _____
Amount Disposed: (Dry tons) _____
Name of Landfill or Compost Facility : _____

Percent Solids: Average: _____ Measurement Frequency: _____ Number of Loads Landfilled With Less Than 20% Solids: _____

Pathogen Reduction Method:

- ☐ Not Applicable. No land application of sewage sludge.
- ☐ Fecal Coliform Monitoring: Geometric mean of last seven samples is _____ col/dry gram
  Sample results for this report period were: _____ col/dry gram _____ col/dry gram
- ☐ Lime Addition: pH of sample two hours after lime addition: Range _____
- ☐ Aerobic Digestion: Average detention time for this report period:(days) _____
  Digester Temperature: Average _____ Range _____
- ☐ Anaerobic Digestion: Average detention time for this report period:(days) _____
  Digester Temperature: Average _____ Range _____
- ☐ Other: (Provide Description) _____

NE: Number of loads land applied which did not fully meet pathogen reduction requirements: _____

Vector Attraction Reduction Method:

- ☐ Not Applicable. No land application of sewage sludge.
- ☐ 38% Volatile Solids Reduction: Average volatile solids reduction for the month of _____ was _____ percent
- ☐ SOUR: The average Specific Oxygen Uptake rate for the month of _____ was _____ mg Oxygen/hour/dry gram
- ☐ Lime Addition: pH of sample two hours after lime addition: Range _____
  pH of sample 24 hours after lime addition: Range _____
- ☐ Other: (Provide Description) _____

NE: Number of loads land applied which did not fully meet vector attraction reduction requirements: _____

I certify under penalty of law that the management practices, vector attraction reduction requirements, and the pathogen reduction requirements of Federal regulations 40 CFR Part 503 and State Regulation Title 33, Series 2 have been met for all sewage sludge land applied during this report period. This determination has been made under my supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate information used to determine these requirements have been met. I also certify that this document and all the attachments were prepared under my direction or supervision, and that the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are penalties for false certification including the possibility of fine and imprisonment.

OFFICIAL _____ TITLE _____

SIGNATURE _____ DATE _____

Additional Comments or Explanation:

EMERGENCY RESPONSE SPILL ALERT SYSTEM
WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

REQUIREMENTS:

Title 47, Series 11, Section 2 of the West Virginia Legislative Rules, Environmental Protection, Water Resources - Waste Management, Effective July 1, 1994.

RESPONSIBILITY FOR REPORTING:

Each and every person who may cause or be responsible for any spill or accidental discharge of pollutants into the waters of the State shall give immediate notification to the Division of Water and Waste Management's Emergency Notification Number, 1-800-642-3074. Such notification shall set forth insofar as possible and as soon thereafter as practical the time and place of such spill or discharge, type or types and quantity or quantities of the material or materials therein, action or actions taken to stop such spill or discharge and to minimize the polluting effect thereof, the measure or measures taken or to be taken in order to prevent a recurrence of any such spill or discharge and such additional information as may be requested by the Division of Water and Waste Management. This also applies to spills to the waters of the State resulting from accidents to common carriers by highway, rail and water.

It shall be the responsibility of each industrial establishment or other entity discharging directly to a stream to have available the following information pertaining to those substances that are employed or handled in its operation in sufficiently large amounts as to constitute a hazard in case of an accidental spill or discharge into a public stream:

(1) Potential toxicity in water to man, animals and aquatic life;
(2) Details on analytical procedures for the quantitative estimation of such substances in water and
(3) Suggestions on safeguards or other precautionary measures to nullify the toxic effects of a substance once it has gotten into a stream.

Failure to furnish such information as required by Section 14, Article 11, Chapter 22, Code of West Virginia may be punishable under Section 24, Article 11, Chapter 22, and/or Section 22, Article 11, Chapter 22, Code of West Virginia.

It shall be the responsibility of any person who causes or contributes in any way to the spill or accidental discharge of any pollutant or pollutants into State waters to immediately take any and all measures necessary to contain such spill or discharge. It shall further be the responsibility of such person to take any and all measures necessary to clean-up, remove and otherwise render such spill or discharge harmless to the waters of the State.

When the Director determines it necessary for the effective containment and abatement of spills and accidental discharges, the Director may require the person or persons responsible for such spill or discharge to monitor affected waters in a manner prescribed by the Director until the possibility of any adverse effect on the waters of the State no longer exists.

VOLUNTARY REPORTING BY LAW OFFICERS, U. S. COAST GUARD, LOCK MASTERS AND OTHERS:

In cases involving river and highway accidents where the responsible party may or may not be available to report the incident, law officers, U. S. Coast Guard, Lock Masters and other interested person(s) should make the report.

WHO TO CONTACT:
Notify the following number: **1-800-642-3074**

INFORMATION NEEDED:

- Source of spill or discharge
- Location of incident
- Time of incident
- Material spilled or discharged
- Amount spilled or discharged
- Toxicity of material spilled or discharged
- Personnel at the scene
- Actions initiated
- Shipper/Manufacturer identification
- Railcar/Truck identification number
- Container type

WV/NPDES Permit No.: WV0021750

NOTICE TO PERMITTEES

The 1999 regular session of the West Virginia legislature revised the Water Pollution Control Act, Chapter 22, Article 11, Section 10 of the Code of West Virginia relating to fees associated with permits. This section of the Code requires all holders of a State water pollution control permit or a national pollutant discharge elimination system permit to be assessed an annual permit fee, based upon rules promulgated by the Secretary of the Department of Environmental Protection. The Secretary has promulgated a final rule in accordance with the code revision to this effect and these rules were effective May 4, 2000. The rules establish an annual permit fee based upon the relative potential to degrade the waters of the State which, in most instances, relate to volume of discharge. However, for sewage facilities, the annual permit fee is based upon the number of customers served by the facility. You may contact the Secretary of State's Office, State Capitol Building, Charleston, WV 25305, to obtain a copy of the rules. The reference is Title 47, Legislative Rules, Department of Environmental Protection, Division of Water Resources, Series 26 Water Pollution Control Permit Fee Schedules.

Based upon the volume of discharge for which your facility is currently permitted, the number of customers served by your facility or for the category you fall within, pursuant to Section 7 of Title 47, Series 26, your annual permit fee is **$500.00**. This fee is due no later than the anniversary date of permit issuance in each year of the term of the permit or in the case of coverage under a general permit, the fee is due no later than the anniversary date of your coverage under the general permit. **You will be invoiced by this agency at the appropriate time for the fee**. Failure to submit the annual fee within ninety(90) days of the due date will render your permit void upon the date you are mailed a certified written notice to that effect.

RIGHT OF APPEAL

Notice is hereby given of your right to appeal the terms and conditions of this permit which you are aggrieved by to the Environmental Quality Board by filing a NOTICE OF APPEAL on the form prescribed by such Board for this purpose, with the Board, in accordance with the provisions of Section 21, Article 11, Chapter 22 of the Code of West Virginia within thirty (30) days after the date of receipt of the above permit.

Re: WV0021750-City of Marmet-Final Permit

1 message

brianhigginbotham@suddenlink.net <brianhigginbotham@suddenlink.net> Tue, Dec 21, 2021 at 2:50 PM
To: "Devereux, Lori K" <lori.k.devereux@wv.gov>

Lori,

Got your email with the permit attached.

Thank you
Brian

---- "Devereux wrote:
> This will be considered your certified copy. If you could please email me
> back and let me know you received this, I would greatly appreciate it.
> Thanks
>
> --
> Environmental Resource Associate
> WV Department of Environmental Protection
> Division of Water and Waste MGMT
> 601 57th Street SE
> Charleston, WV 25304
> Email: lori.k.devereux@wv.gov
> Telephone: 304-926-0499 ext. 43863

DATE DRAF'T PREP'D _____ MAJOR _____ MINOR _____

11/19/21 PN DATE

_____ DATE E-MAILED TO PIO

SEND DRAFT TO EPA YES ☐ NO ☒

SEND DRAFT TO ORSANCO YES ☐ NO ☒

DATE RECEIVED AFFIDAVIT ON PN

City of Marmet

FACILITY NAME

Cassie WV0021750

ENGINEER **PERMIT NO.**

Kanawha

COUNTY PN UP-30 DAYS

PROCESSING 11/19/21

COMMENTS RECEIVED _____

DATE DRAF'T PREP'D _____ MAJOR _____ MINOR _____

_____ PN DATE

_____ DATE E-MAILED TO PIO

SEND DRAFT TO EPA YES ☐ NO ☐

SEND DRAFT TO ORSANCO YES ☐ NO ☐

DATE RECEIVED AFFIDAVIT ON PN

_____

FACILITY NAME

_____ _____

ENGINEER **PERMIT NO.**

_____

COUNTY PN UP-30 DAYS

PROCESSING _____

COMMENTS RECEIVED _____

WV0021750-City of Marmet-Draft Permit

1 message

Joshua Canady <Joshua.Canady@linde.com> Thu, Nov 18, 2021 at 2:00 PM
To: "lori.k.devereux@wv.gov" <lori.k.devereux@wv.gov>
Cc: "ryan.t.harbison@wv.gov" <ryan.t.harbison@wv.gov>, "michelle.e.ball@wv.gov" <michelle.e.ball@wv.gov>, John Estep <John.Estep@linde.com>, "brianhigginbotham@suddenlink.net" <brianhigginbotham@suddenlink.net>, Scott Poole <Scott.Poole@linde.com>

Lori,

In this draft I wanted to point out that we are no longer Praxair, we are now Linde, INC. Anywhere, the word Praxair shows up, it needs to be changed to Linde, INC. In addition, our form on page 37 of the PDF represents Linde, not Praxair.

Thank you,

Joshua Canady

SH&E Specialist

Linde, INC

M: 304-964-3386

O: 304-949-6671 Ext. 13

Email: Joshua.canady@linde.com

Making our world more productive

From: John Estep <John.Estep@linde.com>
Sent: Thursday, November 18, 2021 11:40 AM
To: Joshua Canady <Joshua.Canady@linde.com>
Subject: FW: WV0021750-City of Marmet-Draft Permit

From: Devereux, Lori K <lori.k.devereux@wv.gov>
Sent: Wednesday, November 17, 2021 8:32 AM
To: Ryan T Harbison <ryan.t.harbison@wv.gov>; Michelle E Ball <michelle.e.ball@wv.gov>; John Estep <John.Estep@linde.com>
Subject: WV0021750-City of Marmet-Draft Permit

--

Environmental Resource Associate

WV Department of Environmental Protection

Division of Water and Waste MGMT

601 57th Street SE

Charleston, WV 25304

Email: lori.k.devereux@wv.gov

Telephone: 304-926-0499 ext. 43863

Marmet Draft Permit.pdf
2655K

Class I Legal AD-Gazette Mail

1 message

Devereux, Lori K <lori.k.devereux@wv.gov> Wed, Nov 17, 2021 at 8:27 AM
To: Sheryl Thomas <legals@cnpapers.com>

If you could verify receipt of request I would Greatly Appreciate it. Thanks

To Whom It May Concern:

Please publish the attached public notice as class I legal advertisement on Friday, November 19, 2021

Send the affidavit of publication and invoice to:

Town of Marmet
PO BOx 15216
Marmet, WV 25315
(SFB is attached)

The statement of billing is enclosed. Please send a copy of the affidavit Lori Devereux, Division of Water and Waste Management, 601 57th Street, SE, Charleston, WV 25304.

If you have any questions or need other information, please contact me at (304) 926.0499, extension 1057, or e-mail me at lori.k.devereux@wv.gov.

--
Environmental Resource Associate
WV Department of Environmental Protection
Division of Water and Waste MGMT
601 57th Street SE
Charleston, WV 25304
Email: lori.k.devereux@wv.gov
Telephone: 304-926-0499 ext. 43863

2 attachments

SFB-For Billing Purpose Only.pdf
1749K

L-93-21.rtf
8K

west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304
Telephone Number: (304) 926-0495
Fax Number: (304) 926-0496

Harold D. Ward, Cabinet Secretary
dep.wv.gov

November 17, 2021

Honorable Jennings Snodgrass
Mayor, Town of Marmet
PO Box 15216
Marmet, WV 25365

RE: WV/NPDES Permit Application No.
WV0021750-Kanawha County

Dear Sir or Madam:

Your forms for WV/NPDES Individual Permit have been found to be complete.

For your information, the public notice period prescribed in Title 47, Series 10, Section 12.1.b of the West Virginia Legislative Rules issued pursuant to Chapter 22, Article 11 commences on the 19th day of November, 2021 in the *Gazette Mail.*

Within twenty (20) days after publication of the public notice, you are required to send to the Office a certificate of publication. This should be sent to:

Director, Division of Water and Waste Management, DEP
Permitting Section
601 57th Street, SE
Charleston, WV 25304-2345
Attention: Lori Devereux

Enclosed are copies of your draft permit, any required fact sheet and the public notice. If you have any questions, please do not hesitate to contact this office at 304-926-0495.

Sincerely,

Lori Devereux
NPDES Team

Enclosures
cc: Environmental Inspector Supervisor

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER AND WASTE MANAGEMENT

PUBLIC NOTICE

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S, PUBLIC INFORMATION OFFICE, 601 57TH STREET, CHARLESTON SE, WEST VIRGINIA 25304-2345 TELEPHONE: (304) 926-0440.

APPLICATION FOR A WEST VIRGINIA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM WATER POLLUTION CONTROL PERMIT

Public Notice No.: L-93-21 **Public Notice Date:** November 19, 2021

Paper: *Gazette Mail*

The following has applied for a WV NPDES Water Pollution Control Permit for this facility or activity:

Appl. No.: WV0021750

Applicant: MARMET, TOWN OF
PO BOX 15216
MARMET, WV 25365-0216

Location: MARMET, KANAWHA COUNTY

Latitude: 38:14:20 **Longitude:** 81:33:35

Receiving Stream:
KANAWHA RIVER

Activity:
To operate and maintain an existing 0.5 MGD combined sewer wastewater collection and oxidation ditch treatment system. This system is to serve approximately 5,000 population equivalents in the Town of Marmet, the Town of Chesapeake and surrounding environs and discharge treated and disinfected wastewater from Outlet 001 (0.25 miles from the mouth) of Lens Creek, a tributary of the Kanawha River. To continue to accept non-domestic wastewater from Praxair, Inc. Also, to operate and maintain disposal systems, best management practices, and the nine (9) minimum controls for the direct discharge of sanitary wastewater and storm water from Combined Sewer Outlets No. C002, C003 and C004 to Lens Creek, a tributary of the Kanawha River. These outlets discharge only when the hydraulic capacity of the collection system is exceeded during wet weather events. Tier 1 protection shall be afforded for the uses specified in Title 47, Series 2 for the CSO outfalls through implementation of the facility's Long-term Control Plan. Tier 1 protection is provided for the discharge from Outlet 001. Tier 1 protection shall be afforded for the discharges from CSO Outlets C002 - C004 through implementation of the facility's Long Term Control Plan. Also to incorporate the requirements relative to Title 33, Series 2 of the West Virginia Legislative Rules for the processing and disposal of sewage sludge generated by the wastewater treatment plant. Sewage sludge generated and/or processed at the permittee's facility shall be disposed of at a sanitary landfill by placing the sewage sludge in the landfill cell.

Business conducted:
Municipality

Implementation:
NA

On the basis of review of the application, the "Water Pollution Control Act (Chapter 22, Article 11-8(a))),"

and the "West Virginia Legislative Rules," the State of West Virginia will act on the above application.

Any interested person may submit written comments on the draft permit and may request a public hearing by addressing such to the Director of the Division of Water and Waste Management within 30 days of the date of the public notice. Such comments or requests should be addressed to:

Director, Division of Water and Waste Management, DEP
ATTN: Lori Devereux, Permitting Section
601 57th Street SE
Charleston, WV 25304-2345

The public comment period begins November 19, 2021 and ends December 19, 2021.

Comments received within this period will be considered prior to acting on the permit application. Correspondence should include the name, address and the telephone number of the writer and a concise statement of the nature of the issues raised. The Director shall hold a public hearing whenever a finding is made, on the basis of requests, that there is a significant degree of public interest on issues relevant to the Draft Permit(s). Interested persons may contact the public information office to obtain further information.

The application, draft permit and any required fact sheet may be inspected, by appointment, at the Division of Water and Waste Management Public Information Office, at 601 57th Street SE, Charleston, WV 25304-2345, between 8:00 a.m. and 4:00 p.m. on business days.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER AND WASTE MANAGEMENT
601 57TH STREET SE
CHARLESTON, WV 25304-2345

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
WATER POLLUTION CONTROL PERMIT

NPDES PERMIT NO.: WV0021750
SUBJECT: Sewage

ISSUE DATE:
EFFECTIVE DATE :
EXPIRATION DATE:
SUPERSEDES: Permit No. WV0021750 dated December 28, 2016

LOCATION:	MARMET	Kanawha	Upper Kanawha River
	(City)	**(County)**	**(Drainage Basin)**

See the next page for a list of Outlets.

TO WHOM IT MAY CONCERN:

This is to certify that: MARMET, TOWN OF
PO BOX 15216
MARMET, WV 25365-0216

is hereby granted a West Virginia NPDES Water Pollution Control Permit to:
operate and maintain an existing 0.500 MGD combined sewer wastewater collection and oxidation ditch wastewater treatment system consisting of approximately 38,800 linear feet of various diameter gravity sewer line, approximately 155 manholes, 25 cleanouts, eight (8) lift stations, 1,600 linear feet of twelve inch diameter force main, 4,560 linear feet of ten inch diameter force main, 2,970 linear feet of eight (8) inch diameter force main, 1,500 linear feet of two (2) inch diameter force main, 140 linear feet of one and one fourth (1 1/4) inch diameter force main and a 486,000 gallon oxidation ditch, a 118,000 gallon interchannel clarifier, an ultraviolet disinfection unit, two (2) aerobic digesters with a volume of 71,000 gallons each, one (1) sludge transfer tank, a sludge belt filter press, and all other necessary appurtenances.

This system is to serve approximately 5,000 population equivalents in the Town of Marmet, the Town of Chesapeake, and surrounding environs and discharge treated and disinfected wastewater through Outlet No. 001 (0.25 miles from the mouth) of Lens Creek, a tributary of the Kanawha River.

Also to operate and maintain disposal systems, best management practices, and the nine (9) minimum controls for the direct discharge of sanitary wastewater and storm water from Combined Sewer Outlets No. C002, C003, and C004 to Lens Creek, a tributary of the Kanawha River. These CSO outlets are permitted to discharge only when the hydraulic capacity of the collection system is exceeded during wet weather events.

This permit is subject to the following terms and conditions :
The information submitted on and with WV/NPDES Pemrit application No. WV0021750 dated the 29th day of June, 2021 and additional information submitted on the 27th day of September 2021, are all hereby made terms and conditions of this permit with like effect as if all such permit application information were set forth herein, and other terms and conditions set forth in Sections A, B, C, D, E, F and Appendix A.

The validity of this permit is contingent upon the payment of the applicable annual permit fee, as required by Chapter 22, Article 11, Section 10 of the Code of West Virginia.

Inspectable Unit	Latitude	Longitude	Receiving Stream	Dist. to Stream Mouth (in Mile)	Milepost
001	38°14'20"	81°33'35"	LENS CK	0.25	N/A
C002	38°15'12"	81°34'18"	KANAWHA RV -- No Monitoring Required	N/A	67.5
C003	38°15'02"	81°34'08"	KANAWHA RV -- No Monitoring Required	N/A	67.75
C004	38°14'46"	81°33'45"	KANAWHA RV -- No Monitoring Required	N/A	68
IU01	38°14'20"	81°33'55"	N/A	N/A	N/A
S01	38°14'20"	81°33'35"	N/A	N/A	N/A

A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning permit effective date and lasting through midnight permit expiration date the permittee is authorized to discharge from Outlet Number(s) 001 (Sanitary)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	Continuous	measured
00310 - (BOD, 5-Day 20 Deg.C) (Year Round) (ML-B) (RF-A)	45.9 Avg. Monthly	91.8 Max. Daily	Lbs/Day	N/A	11 Avg. Monthly	22 Max. Daily	mg/l	1/month	8 hr comp
00530 - (Total Suspended Solids) (Year Round) (ML-A) (RF-A)	125.1 Avg. Monthly	250.2 Max. Daily	Lbs/Day	N/A	30 Avg. Monthly	60 Max. Daily	mg/l	1/month	8 hr comp
51012 - (BOD,5-day % Rem,dry weath (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	N/A	N/A	85 Month. Avg. Min.	Percent	1/month	Calculated
51013 - (BOD,5-day %Rem,wet weathe (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	N/A	N/A	Rpt Only Month. Avg. Min.	Percent	1/month	Calculated
51014 - (Solids,Susp.% Rem,dry weatl (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	N/A	N/A	85 Month. Avg. Min.	Percent	1/month	Calculated
51015 - (Solids,Susp.% Rem,wet weatl (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	N/A	N/A	Rpt Only Month. Avg. Min.	Percent	1/month	Calculated
74055 - (Coliform, Fecal) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	N/A	200 Mon. Geo. Mean	400 Max. Daily	Cnts/100ml	1/month	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Effluent BOD5 Day samples shall be collected at a location immediately preceding disinfection. Other samples shall be collected at or as near as possible to the point of discharge.

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning permit effective date and lasting through midnight permit expiration date the permittee is authorized to discharge from Outlet Number(s) 001 (Sanitary)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
00400 - (pH) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	6 Inst. Min.	N/A	9 Inst. Max.	S.U.	1/month	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	7.25 Inst. Min.	N/A	N/A	mg/l	1/month	Grab
00625 - (Nitrogen, Kjeldahl Total) (Year Round) (ML-A) (RF-A)	25 Avg. Monthly	50 Max. Daily	Lbs/Day	N/A	6 Avg. Monthly	12 Max. Daily	mg/l	1/month	8 hr comp
01119 - (Copper, Total Recoverable) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	N/A	0.009 Avg. Monthly	0.018 Max. Daily	mg/l	1/month	8 hr comp
01114 - (Lead, Total Recoverable) (Year Round) (ML-A) (RF-D)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/year	8 hr comp
01094 - (Zinc, Total Recoverable) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	N/A	0.074 Avg. Monthly	0.155 Max. Daily	mg/l	1/month	8 hr comp

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Effluent BOD5 Day samples shall be collected at a location immediately preceding disinfection. Other samples shall be collected at or as near as possible to the point of discharge.

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.IU01 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning permit effective date and lasting through midnight permit expiration date the permittee is authorized to accept the discharge from Outlet Number(s) IU01 (Pretreatment - Non Significant Industrial User)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
00056 - (Flow Rate) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly	24500 Max. Daily	gpd	N/A	N/A	N/A	N/A	1/month	measured
00400 - (pH) (Year Round) (ML-4) (RF-A)	N/A	N/A	N/A	5 Inst. Min.	N/A	10 Inst. Max.	S.U.	1/month	Grab
01042 - (Copper, Total (as Cu)) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day	N/A	Rpt Only Avg. Monthly	0.02 Max. Daily	mg/l	1/month	Comp
01051 - (Lead, Total (as Pb)) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day	N/A	Rpt Only Avg. Monthly	0.02 Max. Daily	mg/l	1/month	Comp
01092 - (Zinc, Total (as Zn)) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day	N/A	Rpt Only Avg. Monthly	1.5 Max. Daily	mg/l	1/month	Comp

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Praxair, Inc. - Refer to Sections E.02.a.1 and E.02.b.1 for monitoring and sampling requirements

A.S01 SEWAGE SLUDGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning permit effective date and lasting through midnight permit expiration date the permittee is authorized to dispose sludge in accordance with the following from Outlet Number S01 (Sludge)

Effluent Characteristic	Quantity		Units	Limitations	Other Units		Units	Monitoring Requirements: Measurement Frequency	Monitoring Requirements: Sample Type
00400 - (pH) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	Rpt Only Minimum	N/A	Rpt Only Maximum	S.U.	1/6 months	Grab
61521 - (Arsenic, Sludge Tot. Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78476 - (Cadmium,Sludge,Tot Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78473 - (Chromium, Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78475 - (Copper,Sludge,Tot,Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78468 - (Lead, Dry. Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78471 - (Mercury, Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78465 - (Molybdenum,Dry Wgt) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp

Sludge

A.S01 SEWAGE SLUDGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning permit effective date and lasting through midnight permit expiration date the permittee is authorized to dispose sludge in accordance with the following from Outlet Number S01 (Sludge)

Effluent Characteristic	Quantity		Units	Limitations	Other Units		Units	Monitoring Requirements: Measurement Frequency	Monitoring Requirements: Sample Type
78469 - (Nickel, Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
49031 - (Selenium,Sludge,Tot. Dry Wt. (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78467 - (Zinc, Dry Wt.) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
00916 - (Calcium, Total (as Ca)) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
61553 - (Solids, Total Sludge Percent) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	Rpt Only Minimum	Rpt Only Avg.	Rpt Only Maximum	Percent	1/6 months	1 Week Comp
78472 - (Potassium, Sludge Tot. Dry W (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
78478 - (Phosphorus,Sludge,Tot,Dry W (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
82294 - (Nitrogen, Ammonia Tot. DW) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp

Sludge

A.S01 SEWAGE SLUDGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning permit effective date and lasting through midnight permit expiration date the permittee is authorized to dispose sludge in accordance with the following from Outlet Number S01 (Sludge)

Effluent Characteristic	Quantity		Units	Limitations	Other Units		Units	Monitoring Requirements: Measurement Frequency	Monitoring Requirements: Sample Type
78470 - (Nitrogen, Sludge Tot. Dry Wt) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
51020 - (Organic Nitrogen) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
00927 - (Magnesium,Tot (as Mg)) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Maximum	mg/kg	1/6 months	1 Week Comp
31641 - (Fecal Coliform (Sludge)) (Year Round) (ML-+) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	MPN/gram	1/6 months	1 Week Comp

Sludge

B. SCHEDULE OF COMPLIANCE

1. **The permitee shall achieve compliance with the provisions for waste treatment and the monitoring requirements specified in the permit in accordance with the following schedule :**

   Effective date of permit.

2. **Reports of compliance or non-compliance with, and progress reports on interim and final requirements contained in the above compliance schedule, if any, shall be postmarked no later than 14 days following each schedule date.**

Section C - Other Requirements

01. The herein-described treatment works, structures, electrical and mechanical equipment shall be adequately protected from physical damage by the maximum expected one hundred (100) year flood level and operability be maintained during the twenty-five (25) year flood level.

02. The entire sewage treatment facility shall be adequately protected by fencing.

03. The proper operation and maintenance of the listed sewage treatment facility shall be performed, or supervised, by a certified operator possessing at least a Class II certificate for Waste Water Treatment Plant Operators as issued by the State of West Virginia. The on-site attendance of this facility's Class II operator shall be determined and directed by the Bureau for Public Health, Office of Environmental Health Services.

04. The arithmetic mean of values for effluent samples collected in a seven consecutive day period shall not exceed 45.0 mg/l for TSS. Furthermore, the permittee may submit mitigating factors as an attachment to its DMRs related to an excursion of this requirement. The Director may choose to take those mitigating factors into consideration in determining whether enforcement action is required.

05. The permittee shall submit each month according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration and/or quantities, the values of the constituents listed in Section A analytically determined to be in the plant effluent(s). Additional information pertaining to effluent monitoring and reporting can be found in Section III of Appendix A.

06. The required DMRs shall be received by the agency no later than 25 days following the end of the reporting period in accordance with the following requirements. The agency encourages the permittee to utilize our electronic discharge monitoring report (eDMR) system. If the permittee uses the eDMR system, the permittee is not required to submit hard copies of the DMRs to the addresses listed below. However, if the permittee elects to not use the eDMR system, then the permittee is required to send hard copies to the addresses below. The permittee may contact the agency for more information about the eDMR system. Regardless, in accordance with Appendix A, Section III.6 of this permit, the permittee shall maintain copies of DMRs (either hard copies or electronic copies) at the plant site and the DMRs shall be made readily available upon request from DEP personnel.

Director
Division of Water and Waste Management
601 57th Street SE
Charleston, West Virginia 25304
Attention: Permitting Section

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, West Virginia 25304

07. In conjunction with all other reporting requirements of this permit, copies of all future correspondence regarding this permit will be forwarded to the Environmental Inspector and Environmental Inspector Supervisor at the following address:

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, West Virginia 25304

08. The permittee shall not use alternate DMR's without prior approval from this Agency.

09. The permittee shall not accept any new non-domestic discharges without first obtaining approval from the Director of the Division of Water and Waste Management as provided in Title 47, Series 10, Section 14 of the West Virginia Legislative Rules.

10. If any existing non-domestic discharge causes, or is suspected of causing, interference or pass through (as defined by 40 CFR 403.3) or otherwise violates any provision of 40 CFR 403, the permittee shall notify the Director of such violation or suspected violation.

11. If any existing non-domestic discharge is identified as being subject to Categorical Pretreatment Standard under 40 CFR Chapter 1, Subchapter N, and the discharge is not regulated by this permit, the permittee shall notify the Director of such identification.

Section C - Other Requirements

12. The average daily design flow of the Publicly Owned Treatment Works has been established at 0.500 million gallons per day. When the average monthly effluent flow reported on Discharge Monitoring Reports reaches, or exceeds, 90 percent of the average design flow, 0.450 million gallons per day during three (3) consecutive monthly periods, the permittee shall submit a Plan of Action to the Director. The Plan of Action shall present, at a minimum, an analysis of current hydraulic and organic loadings on the plant, an analysis of the future projected loadings, and a Schedule of Tasks to accomplish procedures necessary to maintain required treatment levels.
    a. Should the permittee experience and report average monthly flows at or greater than 0.450 MGD during three (3) consecutive monthly periods, but can demonstrate that these monthly average flows resulted from the maximization of wet weather flow through the POTW in accordance with the Combined Sewer Overflow requirements of this permit, then submission of the following information shall satisfy the requirement in Section C.11 above for the submission of a Plan of Action:
        1. During the period, compliance with applicable BOD5, TSS, and Fecal Coliform effluent limitations was maintained.
        2. Average monthly dry weather flows experienced at the POTW over the period are less than 0.450 MGD.
        3. The permittee is compliant with the Combined Sewer Overflow requirements of this permit, and that continued operation in accordance with said requirements will ensure the maintenance of required treatment levels.
13. Effluent monitoring for the following pollutants shall be conducted using the most sensitive methods and detection levels commercially available and economically feasible. The following methods are to be used unless the permittee desires to use an EPA Approved Test Method with a listed lower method detection level. Regardless, it is recognized that detection levels can vary from analysis to analysis and that non-detect results at a different MDL for the specified test method would not constitute a permit violation.

Parameter	EPA Method No.	Method Detection Level (ug/l)
Copper, Total Recoverable	200.8	0.5
Lead, Total Recoverable	200.8	0.6
Zinc, Total Recoverable	200.8	1.8

14. The analytical test procedures, set forth in 40 CFR Part 136, prescribe colorimetric methods for certain parameters. The digestion process for the performance of total recoverable is not sufficient for the utilization of a colorimetric procedure. Therefore, colorimetric procedures shall not be acceptable for the analysis of parameters prescribed as total recoverable.
15. Any future collection system extensions projected to cause an increase in the wastewater flow, equal to, or greater than, twenty- five thousand gallons per day (five (5) percent of average design flow) shall require the permittee to contact the Director to secure approval of the extension. After consideration of the complexity of the project, and the available treatment capacity of the facility, the Director may require the permittee to seek approval through Modification of the Permit.
16. Over the term of this permit, the permittee is allowed one (1) excursion of the maximum daily fecal coliform effluent limitation prescribed in Section A.001. The excursion is based upon one (1) percent of the number of required self-monitoring events. Utilization of the excursion allowance is conditioned as follows:
    a. Excursion allowances are afforded only to self-monitoring results and only when self-monitoring activities assess compliance with the maximum daily effluent limitation by analysis of an individual grab sample. No excursion allowance can be applied to analytical results obtained by representatives of the Director in the performance of their compliance assessment activities. Additionally, representatives of the Director may assess compliance with the maximum daily effluent limitation by collection and analysis of an individual grab sample.
    b. The excursion allowance is contingent upon the permittee's prompt return to compliance as evidenced by the next required fecal coliform self-monitoring event.
    c. The result for which an excursion allowance is claimed shall be included in the calculation of the average monthly effluent value.

Section C - Other Requirements

16. d. Should an excursion allowance be utilized by the permittee, said allowance shall be reported as an attachment to the Discharge Monitoring Report. This attachment should state that (1) an excursion allowance was taken in accordance with the requirements outlined above, (2) the total number of allowances taken to date during the term of this permit, and (3) the total number of allowances remaining during the term of this permit. The permittee shall maintain an on-site record of the excursion allowances utilized during the term of the permit.

17. The permittee shall be required to test the sewage treatment plant's influent in order to calculate the percent (%) removal parameters for BOD5 and TSS contained in Section A.001 of this permit. Influent sampling requirements include:

    a. Percent removal shall be defined as a percentage expression of the removal efficiency across the wastewater treatment plant for a given pollutant parameter, as determined from the thirty day average values of the influent concentrations to the facility and the thirty day average effluent pollutant concentrations. Only influent and effluent samples taken concurrently as specified below shall be used for reporting.

    b. Influent BOD5 and TSS samples shall be collected using the permittee's established sampling schedule once per month (1/month) for the wastewater treatment facility. The permittee should not vary from their established sampling schedule. Additionally, the Division recognizes that meteorological conditions during any specific week or any specific month may prevent the collection of a dry weather or a wet weather sample during the established sampling schedule at the recommended frequencies. If the permittee does not discharge during wet-weather conditions, the permittee should indicate "No wet weather discharge" on the Discharge Monitoring Report for that reporting period.

    c. The permittee shall collect representative BOD and TSS influent samples using their established sampling procedures over a 8-hour period.

    d. Influent BOD5 and TSS sampling shall be performed over the same 8-hour time period as the effluent BOD5 and TSS sampling.

    e. Wet weather shall be defined for this specific requirement as a day in which the total measured volume of wastewater through the wastewater plant at Outlet No. 001 exceeds 0.500 MGD.

18. Any "not detected (ND)" sampling result obtained by the permittee must be "ND" at the method detection limit (MDL) for the test method used for that parameter and shall be reported on the DMR as less than the MDL used (<MDL). The permittee shall not report a sampling result as Zero or "ND" or report the result as less than a minumum level (ML), reporting limit (RL), or practical quantitation limit (PQL).

    When averaging values of analytical results for DMR reporting purposes for monthly averages, the permittee should use actual analytical results when these results are greater than or equal to the MDL and should use zero (0) when these results are less than the MDL. If all analytical results are non-detect at the MDL (<MDL), then the permittee should use the actual MDL in the calculation for averaging and report the result as less than the average calculation.

19. In incidences where a specific test method is not defined, the permittee shall utilize an EPA approved method with a method detection limit (MDL) sensitive enough to confirm compliance with the permit effluent limit for that parameter. If a MDL is not sensitive enough to confirm compliance, the most sensitive approved method must be used. If a more sensitive EPA approved method becomes available, that method shall be used. Should the current and/or new method not be sensitive enough to confirm compliance with the permitted effluent limit, analytical results reported as "not detected" at the MDL of the most sensitive method available will be deemed compliant for purposes of permit compliance. Results shall be reported on the Discharge Monitoring Reports as a numeric value less than the MDL.

20. Because the permittee is using ultraviolet light as their disinfection method, no Total Residual Chlorine (TRC) effluent limitation shall currently be imposed. Should the permittee in the future decide to use chlorine as a disinfection method, a TRC effluent limitation shall be promulgated and imposed.

21. Unless otherwise authorized under Section A of this permit, any discharge from any point other than a permitted treatment outfall or permitted combined sewer system is expressly prohibited. In the event there is a prohibited discharge from a sewer conveyance system, the permittee shall follow the reporting requirements contained in Appendix A, Part IV, Section 2.

Section D - Sewage Sludge Management Requirements

01. The permittee shall monitor and report monthly on the enclosed Sewage Sludge Management Report form the quality and quantity of sewage sludge produced. The required report shall be received no later than 20 days following the end of the reporting period and be addressed to:

Director
Division of Water and Waste Management
Permitting and Engineering Branch
601 57th Street SE
Charleston, West Virginia 25304

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, West Virginia 25304

02. The permittee shall provide copies of monthly reports to the county or regional solid waste authority in which the facility or land application site(s) is located.

03. The Sewage Sludge Monitoring Report form shall be submitted monthly. The required report shall be received no later than 25 days following the end of the reporting period and shall be addressed to:

Director
Division of Water and Waste Management
Permitting and Engineering Branch
601 57th Street SE
Charleston, West Virginia 25304

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, West Virginia 25304

04. In conjunction with all other reporting requirements of this permit, copies of all future correspondence regarding this permit will be forwateded to the Environmental Inspector and Environmental Inspector Supervisor at the following address:

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, West Virginia 25304

05. The following method(s) of sludge disposal shall be used for sewage sludge generated and/or processed at the permitted facility:

Landfill Disposal: Sewage sludge may also be disposed at a landfill by placing the sewage sludge in the landfill cell, provided that the landfill obtains approval from the Division of Water and Waste Management to allow the acceptance of sewage sludge from the permittee, and provided that the landfill(s) is/are identified in the permit application. Prior approval by the Division of Water and Waste Management is required to change landfill disposal site(s).

06. Areas used for processing, curing, and/or storage of sewage slusdge shall be designed, constructed and operated to prevent release of contaminants to the groundwater and/or surface water.

07. All analyses performed on soils and sewage sludges shall be analyzed in accordance with analytical methods listed in 40 CFR Part 503.8 except that Nutrients may be analyzed in accordance with the most recently approved edition of Standard Methods and pH may be analyzed using EPA Method 9045D.

08. Sewage sludge disposed in a landfill cell shall be a non-hazardous material as defined in 40 CFR Part 261.24 and a minimum of 20 percent solids. If the sewage sludge is not 20 percent solids, a bulking agent may be used to achieve 20 percent solids before the sewage sludge is weighed in at the landfill. Alternative sludge disposal methods at the landfill can be utilized upon obtaining prior written approval from the Director of the Division of Water and Waste Management.

09. If sewage sludge is used for revegetation, or spread in any other manner at the landfill, the sewage sludge shall meet all of the land application requirements. These requirements include vector attraction and pathogen reduction methods, heavy metals limits, and abiding by an approved loading rate based on soil analyses.

Section D - Sewage Sludge Management Requirements

10. The permittee shall maintain all records and reports of all monitoring required by Section D of this permit for five (5) years after the date of monitoring or reporting. Records should include all sample results, including pathogen and vector attraction reduction monitoring; any landfill receipts; land application records, including site maps, the landowner agreement, soil sample results, daily and cumulative sludge loading rate information; copies of all required reports; and records of all data used to complete these reports.
11. The limitations and monitoring requirements listed in Section A.S01 of this Permit shall apply to the sewage sludge or sewage sludge products.
12. The appropriate composite sampling procedures shall be based upon the particular sludge sprocessing methods used by the permittee. The composite sampling procedures for the various methods are described as follows:

    Belt Press or Vacuum Filter - During the week that the composite sample is obtained, the permittee shall take a minimum of three (3) grab samples during each day of the week that the dewatering system is in operation. These grab samples are to be mixed together and the final sample obtained from the composite. Samples should be collected at a point immediately after the dewatering operation.

    Liquid Sludge - During the week that the composite sample is obtained, the permittee shall take a representative grab sample from each truck load of sewage sludge hauled during that week. These grab samples are to be mixed together and the final sample obtained from the composite. Samples should be collected from the sewage sludge being pumped into the truck or as the sewage sludge is being discharge from the truck.

    Sewage Sludge Drying Beds - During the week that the composite sample is obtained, the permittee shall take a minimum of four (4) grab samples from each bed finished during that week. These grab samples are to be mixed together and the final sample obtained from the composite.

    Composting or Stock Piles - The permittee shall obtain a minimum of eight (8) grab samples from the pile of finished product. These grab samples are to be mixed together and the final sample obtained from the composite.

Section E - Pretreatment (Industrial Users)

01. The permittee may accept non-domestic wastewater from the following Industrial User(s) providing each respective Industrial User maintains continued compliance with all applicable requirements of this section and all applicable limitations and monitoring requirements prescribed in Section(s) A.IU01:

Industrial User Facility Name	Outfall	Classification
Praxair	IU01	IU

IU - Industrial User
CIU - Categorical Industrial User
SIU - Significant Industrial User

02. The acceptance of non-domestic wastewater from the Industrial Users listed in Section E.1 is subject to and contingent upon the following terms and conditions:

a. NON-DOMESTIC WASTEWATERS APPROVED FOR ACCEPTANCE:

1) The non-domestic wastewater approved for acceptance from Praxair consists of blow down from a cooling water reservoir for condensing ammonia gas to ammonia liquid. The water reservoir is cleaned annually. The maximum daily volume accepted shall not exceed 24,500 gallons. The actual volume accepted shall be metered and recorded daily.

b. SAMPLING PROCEDURES:

1) Praxair

An individual grab sample and pH measurement shall be obtained at a time that is representative of normal operations.

Composite samples shall be obtained by collection and combination of a minimum of four (4) equal volume aliquots with aliquots accepted at approximately equal time intervals over the daily discharge period.

c. SAMPLING AND MONITORING REQUIREMENTS:

1) Samples on non-domestic wastestreams shall be collected at the discharge point prior to its mixing with any other wastestream unless otherwise specified.

2) Sampling and analyses required by Section A.IU01 shall be conducted in accordance with sample collection, preservation, and analytical procedures specified in 40 CFR 136.

3) As specified in Section A.IU01, quarterly monitoring periods are Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec.

4) If the permittee or industrial user monitors any parameter more frequently than required by Section(s) A.IU01, using procedures specified by Section E.2.c.2, then the results of additional monitoring must be reported.

5) All industrial users shall maintain information relative to self-monitoring for a minimum of three (3) years. The information maintained shall include: the date, exact location, method, and time of sampling; the sample preservation techniques used; the name of the person taking the samples; the date(s) the analyses were performed; the name of the person performing the analyses; and the analytical results.

6) Reporting of monitoring required by Section A.IU01 shall be submitted to the Division of Water and Waste Management along with the permittee's Discharge Monitoring Reports. Reports shall contain results of all analysis performed, and the estimated daily volume of the wastewater accepted. Reports shall be due on the 20th day of the month following the end of the monitoring period.

d. NOTIFICATION REQUIREMENTS:

1) All industrial users shall notify the permittee immediately of all discharges that could cause problems to the POTW, including any slug loadings, as defined by 40 CFR 403.5(b) of the Code of Federal Regulations.

Section E - Pretreatment (Industrial Users)

02. d. 2) All industrial users shall notify the permittee and the Division of Water Resources of any discharge into the POTW of any substance, which otherwise disposed of, would be considered a hazardous waste under 40 CFR 261 of the Code of Federal Regulations unless they discharge less than fifteen (15) kilograms of non-acute hazardous waste in a calendar month.

3) For any instances that sampling results have a result of "non-detect", less than the minimum detection level (<MDL), the results shall be reported as less than the minimum detection level used. For example, if the laboratory results indicate non-detect for a parameter and the MDL is listed as 0.005 mg/l, the Industrial User shall indicate on the Discharge Monitoring Report for that parameter "< 0.005 mg/l". For purposes of averaging values, the Industrial User shall use zero for any values listed as non-detect at the MDL, when calculation averages. If all samples are listed as non-detect at the MDL, then the permittee should not use zero for the purposes of calculating averages, but should instead average all of the MDLs and then report the result as less than the average of the MDLs.

4) Each Industrial User shall submit a Discharge Monitoring Report for every monitoring period. If the Industrial User does not discharge any non-domestic waste to the POTW during a given monitoring period, the Industrial User shall still submit the appropriately filled out and signed Discharge Monitoring Report indicating "NO DISCHARGE" during the monitoring period.

5) Alternative discharge monitoring report forms shall not be used without prior approval from this Agency.

e. PROHIBITED DISCHARGES:

1) Pollutants which create a fire or explosion hazard in the POTW (wastestreams with a closed cup flashpoint of less than 140 degrees F or 60 degrees C using test methods specified in 40 CFR 261.21 of the Code of Federal Regulations).

2) Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference.

3) Heat in such quantities that the temperature at the POTW exceeds 40 degrees C (104 degrees F).

4) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems.

5) Any trucked or hauled pollutants, except at discharge points designated by the POTW.

6) Any pollutant(s) discharged in a quantity which has the potential to cause Pass Through or Interference.

04. In addition to the conditions listed in Section E.2, the following conditions apply specifically to Categorical and Significant Industrial User facilities listed in Section E.1.

a. All baseline reports, reports on compliance, and self monitoring reports must be signed and certified in accordance with 40 CFR 403.12 of the Code of Federal Regulations.

b. If a Categorical Industrial User listed in Section E.1 conducts sampling that reveals a violation of their respective limitations prescribed in Section A.IU01 or any of the prohibited discharges listed in Section E.2.e, the Categorical Industrial User shall notify the Director of said violation within 24 hours of becoming aware of the violation. In addition, the Categorical Industrial User shall repeat the sampling and analysis for the pollutant in violation and submit the results to the Director within 30 days.

Section E - Pretreatment (Industrial Users)

05. Should any of the permittee's industrial users fail to comply with the specific terms and conditions pertaining to that specific industrial user in this permit, the permittee shall immediately contact said industrial user and identify the violation causing the noncompliance with the permit. The permittee shall take all reasonable, escalating enforcement steps, up to and including disallowing the continued acceptance of the nondomestic wastewater from the industrial user, to keep the industrial user compliant with the terms and conditions of the permit. Also, the permittee shall immediately inform the Agency of any current noncompliance by industrial users by attaching a written summary of these violations, the cause of each violation, and the steps taken to prevent their recurrence with the submitted Discharge Monitoring Reports. Should the permittee take all of the enforcement steps outlined above, these actions may be used as a mitigating factor to any enforcement actions taken upon the permittee for the noncompliance by the industrial users to the terms and conditions of Section E or Sections A.IU01 herein. However, the burden of proof in relation to the use of this mitigating factor shall lie exclusively upon the permittee. This condition shall not be used as a mitigating factor to any noncompliance associated with any other section of this permit, even if said noncompliance is, in whole or in part, caused by an industrial user.

06. Please find the enclosed monitoring form that shall be used by Praxair. This form shall be completed and submitted monthly to the Town of Marmet. The Town of Marmet shall attach this form to the monthly Discharge Monitoring Report submitted to this office. Photocopies of the blank form should be made and filed as this office does not supply additional monitoring forms. All analytical lab forms need not be submitted, but should be available for inspection at the industrial user's facility.

07. This Division reserves the right to disallow the continued acceptance of the nondomestic wastewater(s) from any of the facilities described in Section E.1, or to require installation of additional pretreatment facilities, should the wastewater violate specified limitations, cause interference or pass-through at the POTW and result in effluent limitation violations or receiving stream degradation, or adversely impact POTW sludge disposal. Approval of the permittee's acceptance of the indirect discharge(s) in no way relieves the permittee of its obligation to comply with all terms and conditions of its WV/NPDES Permit and shall not constitute an affirmative defense in any enforcement action brought against the permittee.

08. TOTAL MAXIMUM DAILY LOAD (TMDL)

    a) The receiving stream, Lens Creek of the Kanawha River, had a TMDL developed and approved by EPA in 2005 for fecal coliform bacteria. The 2005 EPA approved TMDL specifies a wasteload allocations of 200 counts per 100 milliliters for fecal coliform for the aforementioned CSO outlets (C002 - C004). As such, the permittee must implement procedures in its LTCP to afford compliance with the wasteload allocations prescribed by the TMDL.

    b) For the CSO outfalls noted above, LTCP implementation procedures should include scheduling the TMDL compliance measures in the LTCP and implementation of those measures should be represented in the LTCP compliance schedule (implementation schedule). If any changes in water quality standards and/or TMDL revisions or updates occur during implementation of the LTCP, the LTCP may need to be revised to address those changes.

Section F - Pretreatment (Industrial Users)

02. e. 7) Pollutants which will cause corrosive structural damage to the POTW and, in no case, discharges with a pH lower than 5.0 S.U.

03. BYPASS:

a. Definitions.

1) Bypass means the intentional diversion of wastestreams from any portion of an Industrial User's treatment facility.

2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypass not violating applicable Pretreatment Standards or Requirements. An Industrial User may allow any bypass to occur which does not cause Pretreatment Standards or Requirements to be violated, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of paragraphs (c) and (d) of this section.

c. Notice.

1) If an Industrial User knows in advance of the need for a bypass, it shall submit prior notice to the WVDEP, if possible at least ten days before the date of the bypass.

2) An Industrial User shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to the WVDEP within 24 hours from the time the Industrial User becomes aware of the bypass. A written submission shall also be provided within 5 days of the time the Industrial User becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The WVDEP may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

d. Prohibition of Bypass.

1) Bypass is prohibited, and the WVDEP may take enforcement action against an Industrial User for a bypass, unless;

(i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and

(iii) The Industrial User submitted notices as required under paragraph (c) of this section.

2) The WVDEP may approve an anticipated bypass, after considering its adverse effects, if the WVDEP determines that it will meet the three conditions listed in paragraph (d)(1) of this section.

01. Outlet Numbers C002 through C004 (3 total outfalls) serve as combined sewer relief points. Combined sewer overflows (CSOs) are allowed only when flows in the combined sewers exceed the conveyance and/or treatment capacities during wet weather periods. Wet weather shall be defined for this requirement as any period of time in which flows within the combined sewer system, or portion thereof, are being substantially influenced by rainfall, snowmelt, and/or other natural phenomena. Dry weather overflow events from any CSO are prohibited. The permittee shall ensure that all CSO events comply with the requirements found in Section E and any other pertinent portions of this permit. The requirements of this permit shall not supersede the 1994 CSO Policy or the recommended EPA Guidance for Nine Minimum Controls.

02. Technology-Based Effluent Limitations For CSOs. The permittee shall comply with the following technology-based requirements:

Section F - Combined Sewer System Overflows

02. a. CONDUCT PROPER OPERATION AND REGULAR MAINTENANCE PROGRAMS

The permittee shall prepare and implement a proper Operation and Maintenance Program for their combined sewer system (CSS). The permittee shall prepare, maintain, and implement a Combined Sewer Overflow (CSO) Operation and Maintenance Manual (OMM) describing routine operation, inspection, maintenance, and training activities. The OMM shall be reviewed and updated at least one time per year to ensure the OMM's accuracy. The OMM shall include, but is not limited to, the following listed elements.

01) The permittee shall establish an annual CSO budget and shall provide documentation of the process used to establish said budget in the OMM.

02) The permittee shall provide and document as a part of the OMM the following items:

i) Current and accurate sketch/map of CSS depicting CSO outfall locations, receiving streams, identified sensitive areas, and the location of rain gauges.

ii) For a minimum of three years, all inspection reports and forms, operation and maintenance logs, training records, customer complaints, and annual summaries of wet and dry weather CSO events.

iii) Accurate program documents that describes current operations, inspection, and maintenance procedures for any CSO equipment and structures.

iv) Summaries of up-to-date information concerning wet and dry weather CSO events that can be publicly viewed.

03) The permittee shall establish municipal ordinances to prevent illicit CSS connections and to prevent dumping of debris into the CSS.

04) The permittee shall provide adequate training programs pertaining to CSO activities for the staff.

05) The permittee shall identify and document any sensitive areas (e.g. receiving stream segments having primary contact recreation uses, marinas and boat ramps, drinking water intakes, public parks) and shall document whether there are CSOs outfalls discharging in or just upstream of these sensitive areas. Based on this information, CSO outfalls shall be prioritized for proper development of CSO controls.

06) The permittee shall establish and maintain regularly scheduled outfall inspections with procedures that can accurately detect and document wet and dry weather CSO discharge events.

07) The permittee shall maintain, at a minimum, one (1) rain gauge in order to obtain measurements of local precipitation during wet weather periods. Additional gauges may be required depending upon the size of the CSS. The rain gauge measurement data shall be submitted as a part of the periodic reports and will assist the permittee in developing an accurate characterization of the CSS during wet weather CSO discharge events.

08) The permittee shall prepare a list of critical CSO equipment and shall establish and properly document a preventive maintenance schedule for said equipment. The permittee shall properly document any repairs made to the CSS and/or CSO equipment/structures.

09) The permittee shall establish, implement, and document a routine maintenance schedule for the following specific activities described and listed below. There may be need to do some of these activities at times by necessity; however, an established schedule to routinely complete these activities shall be put in place.

09) i) Routine inspection and cleaning of catch basins and manholes.
ii) Routine inspection , cleaning and maintenance of lift stations including pumps.
iii) Routine vacuum cleaning and/or jet flushing of the combined sewer system.
iv) Routine street cleaning.
v) Routine inspections of portions of the combined collection system.

10) Periodic inspections of grease traps from restaurants, schools, and other facilities with food services shall be conducted and documented. Periodic inspections of businesses and /or other customers that may be contributing waste streams other than domestic sewage shall be conducted and documented.

Section F - Combined Sewer System Overflows

02. a. 11) The permittee shall establish a procedure detailing how CSS customer complaints are taken, tracked, processed, and resolved. A summary of complaints and resolutions for the past three years shall be readily available for review by the public or the WVDEP.

b. MAXIMIZE USE OF STORAGE IN COLLECTION SYSTEM

The permittee shall identify, and document in the OMM, portions of the combined sewer system (CSS) usable for storage and determine the CSS storage capacity including the configuration, size, and lift station capacities. The permittee shall identify, and document in the OMM, any unused tanks or piping that could potentially be used as off-line storage at the existing facilities. The permittee shall identify any bottlenecks in the combined sewer system and provide recommendations on increasing flows through these areas. The permittee shall identify procedures (and document them in the OMM) such as pre-storm drawdowns of lift station wet wells and interceptor collection lines that could provide additional wet weather storage capacity.

c. REVIEW AND MODIFICATION OF PRETREATMENT PROGRAM

The permittee shall document in the OMM, the procedures used to inspect and evaluate the necessity of pretreatment for indirect non-domestic wastewater dischargers (i.e., restaurants, gasoline stations, garages, funeral homes, hospitals, schools, etc.) to minimize their impacts on CSO discharges. The permittee shall maintain a list of non-domestic dischargers to their combined collection systems and evaluate the necessity to require dischargers to reduce or cease their discharges during wet weather periods when CSO discharges are occurring. A summary of pretreatment inspections or evaluations shall be submitted as a part of the CSO Summary Report (CSR)identified in Section E.6 below.

d. MAXIMIZATION OF FLOW TO POTW FOR TREATMENT

The permittee shall document the plans and procedures being implemented to maximize the combined wastewater flow to the POTW during wet weather events and to deliver as much of the combined wastewater flow as possible to the treatment plant within the treatment plant's hydraulic capacity and the treatment plant's constraints as imposed by the permit effluent limitations. The plan shall be documented in the OMM and a summary of any ongoing activities shall be submitted as a part of the periodic CSR. The permittee shall evaluate annually and document any maximization procedures implemented including the following:

01) Evaluate and document the performance of critical CSO equipment in the combined sewer system and POTW.

02) Evaluate and document the potential of raising CSO diversion weirs or other devices to the maximum heights possible to reduce CSO activity.

03) Evaluate and document the comparison between existing flow rates to design capacity for both the POTW and the lift station pumps.

04) Evaluate and document the capacities of major interceptors and pumping stations delivering flows to the POTW.

05) Evaluate and document wet weather flow rates to the POTW compared to typical dry weather flows.

06) Evaluate and document whether some portion of wet weather flow could receive partial treatment at the POTW.

07) Evaluate and document the status of any excessive inflow and infiltration (I&I) correction projects.

08) Evaluate and document whether CSO discharge events are occurring even when the POTW flow volumes at the POTW falls below the rated design capacity. If occurrences are happening, develop corrective actions that can be taken to prevent recurrence.

e. ELIMINATION OF CSOs DURING DRY WEATHER

Dry weather overflows (DWO) from CSOs are prohibited and shall be reported to the WVDEP's emergency spill line within 24 hours of its detection. The permittee shall conduct annual evaluations for the following:

Section F - Combined Sewer System Overflows

02. e. 01) Evaluate the number of reported DWO events that have occurred during the past three years.

02) Determine the causes of DWO, and provide the actions that the permittee has taken and will take in the future to prevent recurrence.

03) Evaluate the existing methods of detecting DWO and their efficacy.

04) Evaluate remediation procedures for the treatment, removal, or flushing of objectionable materials deposited in receiving streams or the stream bank after DWO - due to either complaints or health issues.

05) Evaluate whether a DWO event could potentially directly endanger the health of recreational stream users or the environment itself.

06) Identify the processes used to make these evaluations and document them in the OMM.

07) A summary of these annual results shall be submitted as a part of the CSR.

f. CONTROL OF SOLIDS AND FLOATABLE MATERIALS

The permittee shall control solid and floatable materials discharging from all CSO discharges and the permittee shall have these objectionable materials removed should an abnormally large amount of these materials be deposited in the receiving stream or on the stream bank. The permittee shall conduct an annual evaluation of past performance, and recommend corrective actions to reduce the presence of solids and floatable materials in CSO discharges and the receiving steam. The process of making these evaluations shall be documented in the OMM. Actions taken to control solid and floatable materials shall be documented in the CSR. The following list is items that should be reviewed:

01) The permittee shall evaluate and implement control technologies at each outfall to control solids and floatable materials. These technologies should be maintained and documented.

02) The permittee shall evaluate and give consideration to installing screens at catch basins and or outfall structures prior to discharging to receiving streams.

03) The permittee shall evaluate having annual leaf pickups as a preventative measure.

04) The permittee shall evaluate having a community recycling programs as a preventative measure.

05) The permittee shall evaluate providing trash containers in high traffic areas.

06) The permittee shall evaluate their control of illegal dumping and their enforcement of local litter laws.

07) The permittee shall evaluate and give consideration to installing outfall booms, netting, etc. for control of floatable materials.

08) The permittee shall evaluate the effectiveness of a street cleaning program.

g. POLLUTION PREVENTION

The permittee shall summarize any pollution prevention activity in the CSR, and conduct an annual evaluation and recommend corrective actions. The following items should be evaluated:

01) The permittee shall evaluate the need for source control measures at the government level for pollution prevention.

02) The permittee shall provide educational opportunities for the general public concerning the need for their assistance to reduce pollution reaching the combined sewer system.

03) The permittee shall evaluate the opportunity of organizing the collection and disposal of household hazardous waste materials.

h. PUBLIC NOTIFICATION

The permittee shall conduct an annual evaluation on the effectiveness of its public notification process by reviewing and providing documentation of the following items:

Section F - Combined Sewer System Overflows

02. h. 01) The permittee shall ensure and document that adequate warning signs are installed at each CSO outfall that notify and alert the public to avoid contact with waters near or downstream of discharging CSO outfalls.

02) The permittee shall evaluate the feasibility and document that adequate warning signs are installed at public stream access points (e.g. marinas and boat launches) that notify and alert the public to avoid recreational contact with waters during or just after any CSO discharge.

03) The permittee shall develop and document procedures to provide to the general public, and specific entities that might be expected to be affected by CSO discharges, information concerning CSO discharge occurrences and their impacts to water quality in the receiving stream(s) (e.g. newspaper public notifications, newspaper advertisements, public service announcements on radio and/or television).

04) The permittee shall develop and document procedures for public notification in circumstances where public notification concerning of CSO discharge activity is critical and immediate.

05) The permittee shall ensure and document the availability of CSO pamphlets for distribution and education of the general public.

06) The permittee shall ensure and document the availability of a logbook of CSO discharges and activities that is readily available for public review (e.g. payment offices, town halls, community centers).

07) The permittee shall evaluate and document any public education programs concerning CSOs and the community's response and any other plans addressing them.

08) The permittee shall record and document any public involvement including any comments or suggestions made by the public concerning CSOs.

i. MONITORING TO CHARACTERIZE CSO IMPACTS TO RECEIVING STREAMS AND THE EFFICIENCY OF CSO CONTROLS

The permittee shall monitor CSO outfall discharges and the receiving waters into which these CSOs discharge and shall characterize their impacts and also make determinations about concerning how well CSO controls are improving water quality in the receiving stream(s).

01) The permittee shall ensure and document that they have installed and are maintaining a rain gauge(s) to measure precipitation within the CSS drainage areas.

02) The permittee shall evaluate and document whether they use or can use stream gage information from the National Weather Service or the US Geological Survey to specify the amount and intensity of rain or snow events that could trigger CSO activity and also to obtain stream flow data for analysis.

03) The permittee shall ensure and document the specific location and the receiving stream of each CSO outfall in the CSS and shall also investigate and determine if any CSO outfalls discharge to environmentally sensitive areas. CSO outfalls that discharge to environmentally sensitive areas (i.e. near water intakes; near parks, schools, or marinas; water recreation areas or areas where there exists a high possibility of human contact and exposure; and areas likely to affect threatened or endangered animal species) should be given a high priority. Outfalls that have the highest frequency of discharge or that discharge the greatest volume of wastewater should also be considered a high priority.

04) The permittee shall implement and document the procedures utilized by the permittee to collect and summarize data concerning the total number of CSO overflow events (both wet and dry weather) and the frequency and duration of CSO activities for at least a representative number of CSO outfalls. The permittee shall monitor and maintain a record of CSO activity for the duration and estimated volume for all overflow events that occur at a minimum of 10 percent (%) of the highest priority CSO outlets in the permittee's combined collection system. The permittee shall also record rainfall data during these CSO overflow events. The CSO flow monitoring data and rainfall data shall be submitted to this agency as a portion of the quarterly progress reports required below.

Section F - Combined Sewer System Overflows

02. i. 05) The permittee shall implement and document the procedures utilized by the permittees to correlate the precipitation data and the CSO activity data in order to predict what measured amount and intensity of rainfall/snowmelt events will trigger CSO activity.

06) The permittee shall implement and document the procedures utilized to collect water quality data and other information on chemical, physical, and biological impacts resulting from CSO discharges (e.g. swimming area closings, excessive floatable materials in streams, fish kills, sludge banks, impaired habitat for aquatic life).

07) The permittee shall implement and document the procedures utilized by the permittee following the completion of a CSO control project in order to evaluate any improvements made to water quality from said control projects.

03. WATER QUALITY-BASED EFFLUENT LIMITATIONS FOR CSOs

a. To the extent provided by law, the discharges from the permittee's CSOs shall not cause or contribute to an in-stream excursion above any numeric or narrative criteria developed and adopted as part of the WV water quality standards.

b. The permittee shall comply with one (1) of two (2) approaches in its LTCP: 1) demonstrate that its plan is adequate to meet the water quality-based requirements of the CWA ("demonstration approach"), or 2) implement a minimum level of treatment (e.g., elimination or capture for treatment, or storage and subsequent treatment, of at least 85 percent of the collected combined sewage flows in the combined sewer system on a system-wide annual average basis; discharge no more than an average of four (4) – six (6) overflow events per year); or, under design conditions, eliminate or remove no less than the mass of the pollutants identified as causing water quality impairment, for the volumes that would be eliminated or captured for treatment under the 85% capture approach that is presumed to meet the water quality-based requirements of the CWA, unless data indicate otherwise ("presumption approach").

04. LONG-TERM CONTROL PLAN (LTCP)

a. The permittee shall implement and effectively operate and maintain the current CSO controls and any completed CSO abatement projects. A revised LTCP was compiled and submitted to the agency on October 20, 2008. The agency continues to coordinate the review and finalization of the LTCP with the City.

b. Once a LTCP has been approved, any additional structure CSO control projects planned for construction shall be implemented, operated, and maintained in accordance with the schedule established in the approved LTCP.

05. POST CONSTRUCTION COMPLIANCE MONITORING

Once the permittee has identified the necessary CSO controls as part of the LTCP, the permittee shall develop and submit a post-construction monitoring program that is adequate to ascertain the effectiveness of the CSO controls and can be used to verify attainment of water quality standards. The program shall include details of monitoring protocols to be followed, including CSO and ambient monitoring.

06. REPORTING REQUIREMENTS

a. The permittee shall submit a quaterly (1/Quarter) CSO Summary Report (CSR) detailing actions taken to meet the CSO Policy requirements and the LTCP. The CSR shall include the flow monitoring information as required in 2.i above. The progress reports shall be postmarked no later than 15 days or shall be received no later than 20 days following the end of the quaterly (1/Quarter) period.

b. The quaterly (1/Quarter) CSRs shall be addressed and submitted to the following:

Section F - Combined Sewer System Overflows

06. b.

Director
Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304
Attention: Permitting Section

Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, WV 25304

07. CSO LANGUAGE REOPENER CLAUSE

a. This permit may be modified or revoked and reissued to include new or revised conditions should new information, not available at the time of permit issuance or permit modification issuance, indicate that CSO controls imposed under the terms of the permit have failed to ensure the attainment of the WV water quality standards.

b. This permit may be modified or revoked and reissued to include new or revised conditions based upon new information resulting from the implementation of the LTCP.

The herein-described activity is to be extended, modified, added to, made, enlarged, acquired, constructed or installed, and operated, used and maintained strictly in accordance with the terms and conditions of this permit, with the plans and specifications submitted with Permit Application No. WV0021750; with the plan of maintenance and method of operation thereof submitted with such application(s); and with any applicable rules and regulations promulgated by the Environmental Quality Board and the Secretary of the Department of Environmental Protection.

Failure to comply with the terms and conditions of this permit, with the plans and specifications submitted with Permit Application No. WV0021750; and with the plan of maintenance and method of operation thereof submitted with such application(s) shall constitute grounds for the revocation or suspension of this permit and the invocation of all the enforcement procedures set forth in Chapter 22, Article 11, or 15 of the Code of West Virginia.

This permit is issued in accordance with the provisions of Chapter 22, Article 11 and 12 and/or 15 of the Code of West Virginia and is transferable under the terms of Section 11 of Article 11.

_____

Katheryn Emery, P.E., Acting Director

Appendix A

I. MANAGEMENT CONDITIONS:

1. Duty to Comply

a) The permittee must comply with all conditions of this permit. Permit noncompliance constitutes a violation of the CWA and State Act and is grounds for enforcement action; for permit modification, revocation and reissuance, suspension or revocation; or for denial of a permit renewal application.

b) The permittee shall comply with all effluent standards or prohibitions established under Section 307(a) of the CWA for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

2. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit at least 180 days prior to expiration of the permit.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit, which has a reasonable likelihood of adversely affecting human health or the environment.

4. Permit Actions

This permit may be modified, revoked and reissued, suspended, or revoked for cause. The filing of a request by the permittee for permit modification, revocation and reissuance, or revocation, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

5. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

6. Signatory Requirements

All applications, reports, or information submitted to the Director shall be signed and certified as required in Title 47, Series 10 , Section 4.6 of the West Virginia Legislative Rules.

7. Transfers

This permit is not transferrable to any person except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary.

8. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable specified time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, suspending, or revoking this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

9. Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

10. Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

a) Enter upon the permittee's premises in which an effluent source or activity is located, or where records must be kept under the conditions of this permit;

b) Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;

c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

d) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the State Act, any substances or parameters at any location.

11. Permit Modification

This permit may be modified, suspended, or revoked in whole or in part during its term in accordance with the provisions of Chapter 22-11-12 of the Code of West Virginia.

12. Water Quality

This discharge shall not cause or materially contribute to: distinctly visible floating or settable solids, suspended solids, scum, foam or oily slicks; deposits or sludge bank on the bottom; odors in the vicinity of the waters; taste or odor that would adversely affect the designated uses of the affected waters; distinctly visible color which may impair or interfere with the designated uses of the affected waters; and shall not cause a fish or mussel kill. The limitations and conditions in this permit for the discharges identified in this permit are limitations and conditions that are necessary to meet applicable West Virginia water quality standards, Requirements Governing Water Quality Standards 47 CSR 2.

13. Outlet Markers

A permanent marker at the establishment shall be posted in accordance with Title 47, Series 11, Section 9 of the West Virginia Legislative Rules.

14. Liabilities

a) Any person who violates a permit condition implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed $25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing sections 301, 302, 306, 307, 308 or 405 of the Clean Water Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than 1 year, or both.

b) Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 2 years, or by both.

c) Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 2 years, or by both.

d) Nothing in I.14 a), b), and c) shall be construed to limit or prohibit any other authority the Director may have under the State Water Pollution Control Act, Chapter 22, Article 11.

II. OPERATION AND MAINTENANCE:

1. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. Unless otherwise required by Federal or State law, this provision requires the operation of back-up auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of the permit. For domestic waste treatment facilities, waste treatment operators as classified by the WV Bureau of Public Health Laws, W. Va. Code Chapter 16-1, will be required except that in circumstances where the domestic waste treatment facility is receiving any type of industrial waste, the Director may require a more highly skilled operator.

2. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

3. Bypass

a) Definitions

(1) "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility; and

(2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of II.3.c) and II.3.d) of this permit.

c) (1) If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten (10) days before the date of the bypass;

(2) If the permittee does not know in advance of the need for bypass, notice shall be submitted as required in IV.2.b) of this permit.

d) Prohibition of bypass

(1) Bypass is permitted only under the following conditions, and the Director may take enforcement action against a permittee for a bypass, unless;

(A) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(B) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and

(C) The permittee submitted notices as required under II.3.c) of this permit.

(2) The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed in II.3.d.(1) of this permit.

4. Upset

a) Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.

b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitation if the requirements of II.4.c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the permittee can identify the cause(s) of the upset;

(2) The permitted facility was at the time being properly operated;

(3) The permittee submitted notice of the upset as required in IV.2.b) of this permit.

(4) The permittee complied with any remedial measures required under I.3. of this permit.

d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

5. Removed Substances

Where removed substances are not otherwise covered by the terms and conditions of this permit or other existing permit by the Director, any solids, sludges, filter backwash or other pollutants (removed in the course of treatment or control of wastewaters) and which are intended for disposal within the State, shall be disposed of only in a manner and at a site subject to the approval by the Director. If such substances are intended for disposal outside the State or for reuse, i.e., as a material used for making another product, which in turn has another use, the permittee shall notify the Director in writing of the proposed disposal or use of such substances, the identity of the prospective disposer or users, and the intended place of disposal or use, as appropriate.

III. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. Reporting

a) Permittee shall submit, according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration, and/or quantities, the values of the constituents listed in Part A analytically determined to be in the plant effluent(s). DMR submissions shall be made in accordance with the terms contained in Section C of this permit.

b) Enter reported average and maximum values under "Quantity" and "Concentration" in the units specified for each parameter, as appropriate.

c) Specify the number of analyzed samples that exceed the allowable permit conditions in the columns labeled "N.E." (i.e., number exceeding).

d) Specify frequency of analysis for each parameter as number of analyses/specified period (e.g.,3/month is equivalent to 3 analyses performed every calendar month). If continuous, enter "Cont.". The frequency listed on format is the minimum required.

3. Test Procedures

Samples shall be taken, preserved and analyzed in accordance with the latest edition of 40 CFR Part 136, unless other test procedures have been specified elsewhere in this permit.

4. Recording of Results

For each measurement or sample taken pursuant to the permit, the permittee shall record the following information.

a) The date, exact place, and time of sampling or measurement;

b) The date(s) analyses were performed;

c) The individual(s) who performed the sampling or measurement;

d) The individual(s) who performed the analyses; if a commercial laboratory is used, the name and address of the laboratory;

e) The analytical techniques or methods used, and

f) The results of such analyses. Information not required by the DMR form is not to be submitted to this agency, but is to be retained as required in III.6.

5. Additional Monitoring by Permittee

If the permittee monitors any pollutant at any monitoring point specified in this permit more frequently than required by this permit, using approved test procedures or others as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report Form. Such increased frequency shall also be indicated. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in the permit.

6. Records Retention

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for the permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.

7. Definitions

a) "Daily discharge" means the discharge of a pollutant measured during a calendar day or within any specified period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the day.

b) "Average monthly discharge limitation" means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

c) "Maximum daily discharge limitation" means the highest allowable daily discharge.

d) "Composite Sample" is a combination of individual samples obtained at regular intervals over a time period. Either the volume of each individual sample is proportional to discharge flow rates or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite. The maximum time period between individual samples shall be two hours.

e) "Grab Sample" is an individual sample collected in less than 15 minutes.

f) "is" = immersion stabilization - a calibrated device is immersed in the effluent stream until the reading is stabilized.

g) The "daily average temperature" means the arithmetic average of temperature measurements made on an hourly basis, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar month, or during the operating month if flows are of shorter duration.

h) The "daily maximum temperature" means the highest arithmetic average of the temperatures observed for any two (2) consecutive hours during a 24 hour day, or during the operating day if flows are of shorter duration.

i) The "monthly average fecal coliform" bacteria is the geometric average of all samples collected during the month.

j) "Measured Flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or which a relationship to absolute volume has been obtained.

k) "Estimate" means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to pump capabilities, water meters and batch discharge volumes.

l) "Non-contact cooling water" means the water that is contained in a leak-free system, i.e., no contact with any gas, liquid, or solid other than the container for transport; the water shall have no net poundage addition of any pollutant over intake water levels, exclusive of approved anti-fouling agents.

IV. OTHER REPORTING

1. Reporting Spills and Accidental Discharges

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to Title 47, Series 11, Section 2 of the West Virginia Legislative Rules promulgated pursuant to Chapter 22, Article 11. Attached is a copy of the West Virginia Spill Alert System for use in complying with Title 47, Series 11, Section 2 of the Legislative rules as they pertain to the reporting of spills and accidental discharges.

2. Immediate Reporting

a) The permittee shall report any noncompliance which may endanger health or the environment immediately after becoming aware of the circumstances by using the Agency's designated spill alert telephone number. A written submission shall be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

b) The following shall also be reported immediately:
   (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
   (2) Any upset which exceeds any effluent limitation in the permit; and
   (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit shall be reported immediately. This list shall include any toxic pollutant or hazardous substance, or any pollutant specifically identified as the method to control a toxic pollutant or hazardous substance.

c) The Director may waive the written report on a case-by-case basis if the oral report has been received in accordance with the above.

d) Compliance with the requirements of IV.2 of this section, shall not relieve a person of compliance with Title 47, Series 11, Section 2.

3. Reporting Requirements

a) Planned changes. The permittee shall give notice to the Director of any planned physical alterations or additions to the permitted facility which may affect the nature or quantity of the discharge. Notice is required when:
   (1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in Section 13.7.b of Series 10, Title 47; or
   (2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under IV.2 of this section.

b) Anticipated noncompliance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

c) In addition to the above reporting requirements, all existing manufacturing, commercial, and silvicultural discharges must notify the Director in writing as soon as they know or have reason to believe:
   (1) That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, or any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
      (A) One hundred micrograms per liter (100 ug/l);
      (B) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitro phenol; and for 2-methyl 4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
      (C) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with Section 4.4.b.9 of Series10, Title 47.
      (D) The level established by the Director in accordance with Section 6.3.g of Series 10, Title 47;
   (2) That any activity has occurred or will occur which would result in any discharge (on a non-routine or infrequent basis) of a toxic which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
      (A) Five hundred micrograms per liter (500 ug/l);
      (B) One milligram per liter (1 mg/l) for antimony;
      (C) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with Section 4.4.b.7 of Series 10, Title 47;
      (D) The level established by the Director in accordance with Section 6.3.g of Series 10, Title 47.
   (3) That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product of any toxic pollutant which was not reported in the permit application under Section 4.4.b.9 of Series 10, Title 47 and which will result in the discharge on a routine or frequent basis of that toxic pollutant at levels which exceed five times the detection limit for that pollutant under approved analytical procedure.
   (4) That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product of any toxic pollutant which was not reported in the permit application under Section 4.4.b.9 of Series 10, Title 47 and which will result in the discharge on a non-routine or infrequent basis of that toxic pollutant at levels which exceed ten times the detection limit for that pollutant under approved analytical procedure.

4. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under the above paragraphs at the time monitoring reports are submitted. The reports shall contain the information listed in IV.2.a). Should other applicable noncompliance reporting be required, these terms and conditions will be found in Section C of this permit.

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Town of Marmet) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 001
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
50050 (ML-1) RF-A Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		Continuous	measured
00310 (ML-B) RF-A BOD, 5-Day 20 Deg.C Year Round	Reported												
	Permit Limits	45.9 Avg. Monthly	91.8 Max. Daily	Lbs/Day		N/A	11 Avg. Monthly	22 Max. Daily	N/A	mg/l		1/month	8 hr comp
00530 (ML-A) RF-A Total Suspended Solids Year Round	Reported												
	Permit Limits	125.1 Avg. Monthly	250.2 Max. Daily	Lbs/Day		N/A	30 Avg. Monthly	60 Max. Daily	N/A	mg/l		1/month	8 hr comp
51012 (ML-K) RF-A BOD,5-day % Rem,dry weather Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	85 Month. Avg. Min.	N/A	Percent		1/month	Calculated
51013 (ML-K) RF-A BOD,5-day %Rem,wet weather Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Month. Avg. Min.	N/A	Percent		1/month	Calculated
51014 (ML-K) RF-A Solids,Susp.% Rem,dry weather Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	85 Month. Avg. Min.	N/A	Percent		1/month	Calculated

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Town of Marmet) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 001
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
51015 (ML-K) RF-A	Reported												
Solids,Susp.% Rem,wet weather	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Month. Avg. Min.	N/A	Percent		1/month	Calculated
Year Round													
74055 (ML-A) RF-A	Reported												
Coliform, Fecal	Permit Limits	N/A	N/A			N/A	200 Mon. Geo. Mean	400 Max. Daily	N/A	Cnts/100m		1/month	Grab
Year Round													
00400 (ML-A) RF-A	Reported												
pH	Permit Limits	N/A	N/A			6 Inst. Min.	N/A	9 Inst. Max.	N/A	S.U.		1/month	Grab
Year Round													
00300 (ML-A) RF-A	Reported												
Dissolved Oxygen	Permit Limits	N/A	N/A			7.25 Inst. Min.	N/A	N/A	N/A	mg/l		1/month	Grab
Year Round													
00625 (ML-A) RF-A	Reported												
Nitrogen, Kjeldahl Total	Permit Limits	25 Avg. Monthly	50 Max. Daily	Lbs/Day		N/A	6 Avg. Monthly	12 Max. Daily	N/A	mg/l		1/month	8 hr comp
Year Round													
01119 (ML-A) RF-A	Reported												
Copper, Total Recoverable	Permit Limits	N/A	N/A			N/A	0.009 Avg. Monthly	0.018 Max. Daily	N/A	mg/l		1/month	8 hr comp
Year Round													

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WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Town of Marmet) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 001
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
01114 (ML-A) RF-D	Reported												
Lead, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/year	8 hr comp
Year Round													
01094 (ML-A) RF-A	Reported												
Zinc, Total Recoverable	Permit Limits	N/A	N/A			N/A	0.074 Avg. Monthly	0.155 Max. Daily	N/A	mg/l		1/month	8 hr comp
Year Round													

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Praxair, Inc.) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 IU01
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
00056 (ML-4) RF-A Flow Rate Year Round	Reported			gpd					N/A			1/month	measured
	Permit Limits	Rpt Only Avg. Monthly	24500 Max. Daily			N/A	N/A	N/A					
00400 (ML-4) RF-A pH Year Round	Reported								N/A	S.U.		1/month	Grab
	Permit Limits	N/A	N/A			5 Inst. Min.	N/A	10 Inst. Max.					
01042 (ML-4) RF-A Copper, Total (as Cu) Year Round	Reported			Lbs/Day					N/A	mg/l		1/month	Comp
	Permit Limits	Rpt Only Avg. Monthly	Rpt Only Max. Daily			N/A	Rpt Only Avg. Monthly	0.02 Max. Daily					
01051 (ML-4) RF-A Lead, Total (as Pb) Year Round	Reported			Lbs/Day					N/A	mg/l		1/month	Comp
	Permit Limits	Rpt Only Avg. Monthly	Rpt Only Max. Daily			N/A	Rpt Only Avg. Monthly	0.02 Max. Daily					
01092 (ML-4) RF-A Zinc, Total (as Zn) Year Round	Reported			Lbs/Day					N/A	mg/l		1/month	Comp
	Permit Limits	Rpt Only Avg. Monthly	Rpt Only Max. Daily			N/A	Rpt Only Avg. Monthly	1.5 Max. Daily					

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WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
SEWAGE SLUDGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Sludge) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 S01
RESULTS FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
00400 (ML-+) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			Rpt Only Minimum	N/A	Rpt Only Maximum	N/A	S.U.		1/6 months	Grab
61521 (ML-+) RF-C Arsenic, Sludge Tot. Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78476 (ML-+) RF-C Cadmium,Sludge,Tot Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78473 (ML-+) RF-C Chromium, Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78475 (ML-+) RF-C Copper,Sludge,Tot,Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78468 (ML-+) RF-C Lead, Dry. Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp

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WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
SEWAGE SLUDGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Sludge) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 S01
RESULTS FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
78471 (ML-+) RF-C Mercury, Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78465 (ML-+) RF-C Molybdenum,Dry Wgt Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78469 (ML-+) RF-C Nickel, Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
49031 (ML-+) RF-C Selenium,Sludge,Tot. Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78467 (ML-+) RF-C Zinc, Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
00916 (ML-+) RF-C Calcium, Total (as Ca) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp

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WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
SEWAGE SLUDGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Sludge) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 S01
RESULTS FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
61553 (ML-+) RF-C Solids, Total Sludge Percent Year Round	Reported												
	Permit Limits	N/A	N/A			Rpt Only Minimum	Rpt Only Avg.	Rpt Only Maximum	N/A	Percent		1/6 months	1 Week Comp
78472 (ML-+) RF-C Potassium, Sludge Tot. Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78478 (ML-+) RF-C Phosphorus,Sludge,Tot,Dry Wt. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
82294 (ML-+) RF-C Nitrogen, Ammonia Tot. DW Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
78470 (ML-+) RF-C Nitrogen, Sludge Tot. Dry Wt Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
51020 (ML-+) RF-C Organic Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp

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WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
SEWAGE SLUDGE MONITORING REPORT

Permit Limits

FACILITY NAME: (Sludge) MARMET, TOWN OF
LOCATION OF FACILITY: MARMET; Kanawha County
PERMIT NO.: WV0021750 S01
RESULTS FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
00927 (ML-+) RF-C Magnesium,Tot (as Mg) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Maximum	N/A	mg/kg		1/6 months	1 Week Comp
31641 (ML-+) RF-C Fecal Coliform (Sludge) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	N/A	Rpt Only Max. Daily	N/A	MPN/gram		1/6 months	1 Week Comp

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SEWAGE SLUDGE MANAGEMENT REPORT

FACILITY NAME: (Town of Marmet)MARMET, TOWN OF
ADDRESS: P.O. Box 15216, Marmet, WV 25365-0216

DESIGN FLOW: 500,000 gpd
YEAR: _____
MONTH: _____

PERMIT NUMBER: WV0021750
MONITORING FREQUENCY: _____
LAST SAMPLE DATE: _____

Total Sludge Generated this Report Period: (Dry Tons) _____
Sludge Generated this Year to Date: (Dry Tons) _____
Sewage Sludge/Domestic Septage Received: (Gallons) _____

Disposal Method: _____
Amount Disposed: (Dry tons) _____
Name of Landfill or Compost Facility : _____

Percent Solids: Average: _____ Measurement Frequency: _____ Number of Loads Landfilled With Less Than 20% Solids: _____

Pathogen Reduction Method:

- ☐ Not Applicable. No land application of sewage sludge.
- ☐ Fecal Coliform Monitoring: Geometric mean of last seven samples is _____ col/dry gram
  Sample results for this report period were: _____ col/dry gram _____ col/dry gram
- ☐ Lime Addition: pH of sample two hours after lime addition: Range _____
- ☐ Aerobic Digestion: Average detention time for this report period:(days) _____
  Digester Temperature: Average _____ Range _____
- ☐ Anaerobic Digestion: Average detention time for this report period:(days) _____
  Digester Temperature: Average _____ Range _____
- ☐ Other: (Provide Description) _____

NE: Number of loads land applied which did not fully meet pathogen reduction requirements: _____

Vector Attraction Reduction Method:

- ☐ Not Applicable. No land application of sewage sludge.
- ☐ 38% Volatile Solids Reduction: Average volatile solids reduction for the month of _____ was _____ percent
- ☐ SOUR: The average Specific Oxygen Uptake rate for the month of _____ was _____ mg Oxygen/hour/dry gram
- ☐ Lime Addition: pH of sample two hours after lime addition: Range _____
  pH of sample 24 hours after lime addition: Range _____
- ☐ Other: (Provide Description) _____

NE: Number of loads land applied which did not fully meet vector attraction reduction requirements: _____

I certify under penalty of law that the management practices, vector attraction reduction requirements, and the pathogen reduction requirements of Federal regulations 40 CFR Part 503 and State Regulation Title 33, Series 2 have been met for all sewage sludge land applied during this report period. This determination has been made under my supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate information used to determine these requirements have been met. I also certify that this document and all the attachments were prepared under my direction or supervision, and that the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are penalties for false certification including the possibility of fine and imprisonment.

OFFICIAL _____ TITLE _____

SIGNATURE _____ DATE _____

Additional Comments or Explanation:

EMERGENCY RESPONSE SPILL ALERT SYSTEM
WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

REQUIREMENTS:

Title 47, Series 11, Section 2 of the West Virginia Legislative Rules, Environmental Protection, Water Resources - Waste Management, Effective July 1, 1994.

RESPONSIBILITY FOR REPORTING:

Each and every person who may cause or be responsible for any spill or accidental discharge of pollutants into the waters of the State shall give immediate notification to the Division of Water and Waste Management's Emergency Notification Number, 1-800-642-3074. Such notification shall set forth insofar as possible and as soon thereafter as practical the time and place of such spill or discharge, type or types and quantity or quantities of the material or materials therein, action or actions taken to stop such spill or discharge and to minimize the polluting effect thereof, the measure or measures taken or to be taken in order to prevent a recurrence of any such spill or discharge and such additional information as may be requested by the Division of Water and Waste Management. This also applies to spills to the waters of the State resulting from accidents to common carriers by highway, rail and water.

It shall be the responsibility of each industrial establishment or other entity discharging directly to a stream to have available the following information pertaining to those substances that are employed or handled in its operation in sufficiently large amounts as to constitute a hazard in case of an accidental spill or discharge into a public stream:

(1) Potential toxicity in water to man, animals and aquatic life;
(2) Details on analytical procedures for the quantitative estimation of such substances in water and
(3) Suggestions on safeguards or other precautionary measures to nullify the toxic effects of a substance once it has gotten into a stream.

Failure to furnish such information as required by Section 14, Article 11, Chapter 22, Code of West Virginia may be punishable under Section 24, Article 11, Chapter 22, and/or Section 22, Article 11, Chapter 22, Code of West Virginia.

It shall be the responsibility of any person who causes or contributes in any way to the spill or accidental discharge of any pollutant or pollutants into State waters to immediately take any and all measures necessary to contain such spill or discharge. It shall further be the responsibility of such person to take any and all measures necessary to clean-up, remove and otherwise render such spill or discharge harmless to the waters of the State.

When the Director determines it necessary for the effective containment and abatement of spills and accidental discharges, the Director may require the person or persons responsible for such spill or discharge to monitor affected waters in a manner prescribed by the Director until the possibility of any adverse effect on the waters of the State no longer exists.

VOLUNTARY REPORTING BY LAW OFFICERS, U. S. COAST GUARD, LOCK MASTERS AND OTHERS:

In cases involving river and highway accidents where the responsible party may or may not be available to report the incident, law officers, U. S. Coast Guard, Lock Masters and other interested person(s) should make the report.

WHO TO CONTACT:
Notify the following number: **1-800-642-3074**

INFORMATION NEEDED:

- Source of spill or discharge
- Location of incident
- Time of incident
- Material spilled or discharged
- Amount spilled or discharged
- Toxicity of material spilled or discharged
- Personnel at the scene
- Actions initiated
- Shipper/Manufacturer identification
- Railcar/Truck identification number
- Container type

WV/NPDES Permit No.: WV0021750

NOTICE TO PERMITTEES

The 1999 regular session of the West Virginia legislature revised the Water Pollution Control Act, Chapter 22, Article 11, Section 10 of the Code of West Virginia relating to fees associated with permits. This section of the Code requires all holders of a State water pollution control permit or a national pollutant discharge elimination system permit to be assessed an annual permit fee, based upon rules promulgated by the Secretary of the Department of Environmental Protection. The Secretary has promulgated a final rule in accordance with the code revision to this effect and these rules were effective May 4, 2000. The rules establish an annual permit fee based upon the relative potential to degrade the waters of the State which, in most instances, relate to volume of discharge. However, for sewage facilities, the annual permit fee is based upon the number of customers served by the facility. You may contact the Secretary of State's Office, State Capitol Building, Charleston, WV 25305, to obtain a copy of the rules. The reference is Title 47, Legislative Rules, Department of Environmental Protection, Division of Water Resources, Series 26 Water Pollution Control Permit Fee Schedules.

Based upon the volume of discharge for which your facility is currently permitted, the number of customers served by your facility or for the category you fall within, pursuant to Section 7 of Title 47, Series 26, your annual permit fee is **$500.00**. This fee is due no later than the anniversary date of permit issuance in each year of the term of the permit or in the case of coverage under a general permit, the fee is due no later than the anniversary date of your coverage under the general permit. **You will be invoiced by this agency at the appropriate time for the fee**. Failure to submit the annual fee within ninety(90) days of the due date will render your permit void upon the date you are mailed a certified written notice to that effect.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER AND WASTE MANAGEMENT
BASIS FOR LIMITATIONS
WV0021750 Marmet, City of

BACKGROUND INFORMATION:
The City of Marmet operates and maintains an existing 0.5 MGD wastewater collection system and an existing oxidation ditch wastewater treatment plant with uv disinfection.

Receiving Stream: Lens Creek
7Q10: 0.234 cfs
TMDL: Yes – Fecal Coliform, CNA – Biological, Iron
Trout Stream: no
Instream Waste %: 76.78

OUTLET 001 (sanitary wastewater):
The instream waste percent is 76.78%, it is assumed the discharge mixes instantaneous and completely with the receiving stream. A default hardness value of 100 mg/l was used in the evaluation and development of WQBELs for metals. Mixing was allowed for metals as background concentrations for metals were available. The permittee had reasonable potential (RP) to violate the water quality criteria (WQC) for copper and zinc at the point of discharge and at the edge of the default mixing zone. Therefore, effluent discharge limitations are imposed for copper and zinc. There was no RP to exceed WQC for lead at the end of pipe and continued monitoring is imposed. 1.3 dilutions were granted for ZID/CMZ and 1.0 for HH. Dilution of 1.3 was allowed for ammonia nitrogen.

FINAL EFFLUENT LIMITATION SUMMARY OUTLET 001

	Mass Limits		Concentration Limits		
Parameter	**Avg Mon**	**Max. Daily**	**Avg Mon**	**Max. Daily**	**Standard to Protect**
Flow	--	--	Monitor	Monitor	BPJ
DO			7.25 mg/l min		WQC-DO
BOD5	45.9 lb/day	91.8 lb/day	11 mg/l	22 mg/l	WQC-DO
BOD % Removal, dry/wet	--	--	85% min/ Monitor	--	STS
TSS	125 lb/day	250 lb/day	30 mg/l	60 mg/l	STS
TSS % Removal, dry/wet	--	--	85% min/ Monitor	--	STS
TKN	25 lb/day	50 lb/day	6 mg/l	12 mg/l	WQC
Fecal Coliform	--	--	200 cnt/100	400 cnt/100	WQC/Tech Based
pH	--	--	6 S.U.	9 S.U.	WQC
Copper, Total Recoverable	--	--	0.009 mg/l	0.018 mg/l	WQC
Lead, Total Recoverable	--	--	Rpt mg/l	Rpt mg/l	WQC
Zinc, Total Recoverable	--	--	0.074 mg/l	0.155 mg/l	WQC

SLUDGE
Sludge shall be disposed of by disposing the sludge at a landfill only. Appropriate terms and conditions have been incorporated in the draft permit in Section D for implementation.

PRETREATMENT
The permittee accepts nondomestic wastewater from Praxair for subsequent treatment and disposal. The pollutants of concern (POC) are copper, lead and zinc. Local limits for POC will remain the same as in the previous permit. A review of the past five years of DMR data shows the IU has only violated the current permit limits twice for copper and twice for zinc, in the last 3 years.

COMBINED SEWER OVERFLOW
The combined sewer wastewater collection system owned and operated by the permittee contains three (3) combined sewer overflow (CSO) relief points. Combined sewer overflows (CSOs) are allowed only when flows in the combined sewers exceed the conveyance capacity of the sewage collection system and/or treatment capacity of the WWTP during wet weather periods. Wet weather shall be defined for this requirement as any period of time in which flows within the combined sewer system, or portion thereof, are being substantially influenced by rainfall, snowmelt and/or other natural phenomena. Dry weather overflow events from any CSO are prohibited.

The permittee's Long-term Control Plan (LTCP) was initially submitted to the agency on June 5, 2003. The LTCP submitted June 5, 2003 was not approved by the agency. However, a new agency LTCP Implementation Policy, dated May 4, 2006, was issued. Administrative Order No. 5889 was issued June 8, 2006, and required, in part, updating of the LTCP to comply with the revised policy. A revised LTCP was compiled and submitted to the agency on October 20, 2008. The agency continues to coordinate the review and finalization of the LTCP with the City. The receiving stream, Lens Creek of the Kanawha River, had a TMDL developed and approved by EPA in 2005 for fecal coliform bacteria. The 2005 EPA approved TMDL specifies a wasteload allocations of 200 counts per 100 milliliters for fecal coliform for the aforementioned CSO outlets (C002 - C004). As such, the permittee must implement procedures in its LTCP to afford compliance with the wasteload allocations prescribed by the TMDL.

This permit shall incorporate, and prescribed, the minimum relevant requirements relative to attaining compliance, and continuing attainment, with the terms and conditions of the Federal Combined Sewer Overflow Policy and the State Combined Sewer Overflow Strategy.

Compliance with the Combined Sewer Overflow implementation requirements shall be attained through Administrative Order No. 5889 and the amendments, thereto. The agency recognizes that the LTCP is a dynamic plan and that an approved LTCP as well as the requirements in Administrative Order No. 5889 may have to be amended in the future.

COMPLIANCE
Overall, the permittee seems to exhibit compliance with the current permit limits, with the exception of exceeding their NPDES permit limits during the permit cycle several times for copper, zinc, TKN, and Fecal Coliform. However, over the last 3 years of the permit term, excursions have minimized for copper and zinc. Administrative Order #8614 was issued with the last reissuance to address Copper and Zinc excursions. Because copper and zinc compliance has improved in the last 2-3 years of the permit cycle, it is the permit writer’s opinion, that no additional orders should be applied for those parameters, at this time.

The permittee is not achieving compliance with limits on TKN and Fecal Coliform at Outlet 001. EE has been notified for further action.

ANTI-DEGRADATION

Tier 1 protection is provided for the uses specified in 47 CSR 2, Section 6 for Outlet 001. Tier 1 protection shall be afforded for CSO Outlets C002-C004 through implementation of the LTCP.

WATER QUALITY BASED EFFLUENT LIMITATIONS

v 10.1

WV0021750 - City of Marmet

Outlet: 001

Stream: Lens Creek

Hardness (mg/l):	100	**Instream Waste %:**	76.78
Temperature (°C):	27	**ZID:**	1.3
pH:	7.5	**CMZ:**	1.3
Stream 1Q10 (CFS):	NA	**HH CMZ:**	1.0
Stream 7Q10 (CFS):	0.234	**HHA 1/2 Mile Rule CMZ:**	1.0
Effluent Flow (MGD):	0.5		

PARAMETER	Baseline Water Quality (mg/l)	Stream Background (mg/l)	End of Pipe WQC RP	RWC WQC RP	Average Monthly Limit (mg/l)	Maximum Daily Limit (mg/l)	Tier Protection Level
Ammonia	NA	0.3000	No Data	No Data	5.1199	10.2715	Tier 1
Copper	NA	0.0010	Yes	Yes	0.0092	0.0179	Tier 1
Lead	NA	0.0003	No	No	Monitor	Monitor	Tier 1
Zinc	NA	0.001	Yes	Yes	0.074	0.155	Tier 1

Outfall discharges to Ohio River and is subject to ORSANCO Pollution Control Standards:	No
Outfall discharges to a Trout Stream:	No
Outfall discharges to a stream exempt from Human Health A Criteria:	No
Outfall discharges to a stream exempt from all Human Health Criteria:	No
Outfall discharges within 1/2 mile upstream of a public drinking water intake:	No
Outfall has limitations for at least one metal using a site specific translator:	No
Outfall has Tier 2.0 antidegradation limitations for at least one pollutant:	No

IU Limits Allocation Summary v 10.1

In COC Cc

Allocation Method

Uniform		Uniform or Flow Weighted (dropdown)				IU01
Number of IUs		**1**			**Name of IU**	Praxair
Number of SIUs		**1**				Limit / COCs
SIU/IU Allocation Split %		**90**				
			gpm		**Flow** mgd->	0.0245
Instantaneous Flow		**POTW Avg**	330.2		**POTW Flow %**	5.2%
		POTW Design	347.2		**SIU? (Daily Flow %)**	**Y**
		20% of Design	69.4		**Instantaneous Flow** gpm->	17.0

Parameter		Total Available Load lbs/day	Load Remaining lbs/day	% Allocated	Limit	COCs
				Allocated %	100.0	
				Limit Basis dropdown	mg/l	
BOD5		51	51.0	0.0	0	
TSS		51	51.0	0.0	0	
TKN		8	8.2	0.0	0	
Oil and Grease		20	20.4	0.0	0	
Cadmium		4.21E-04	0.000	0.0	0	
Chromium(T)		4.90E-01	0.490	0.0	0	
Chromium(+6)		1.16E-01	0.116	0.0	0	
Copper	C	1.96E-01	0.192	2.1	0.02	0.02
Lead		1.99E-03	-0.002	over	0.02	0.02
Nickel		7.11E-02	0.071	0.0	0	
Silver		1.25E-02	0.013	0.0	0	
Zinc		5.07E-01	0.200	60.5	1.5	1.5
Cyanide(Free)		1.88E-02	0.019	0.0	0	
Cyanide(Total)		8.26E-02	0.083	0.0	0	
Arsenic		5.60E-03	0.006	0.0	0	
Mercury		1.78E-04	0.000	0.0	0	
Iron		2.21E+01	22.060	0.0	0	
Aluminum		5.88E+01	58.8	0.0	0	
Boron		1.07E+00	1.071	0.0	0	
Molybdenum		8.21E-02	0.082	0.0	0	
Tin		NA	NA	NA	0	
Selenium		1.47E-02	0.015	0.0	0	
Chloride		9.56E+02	956	0.0	0	
Antimony		3.76E-02	0.038	0.0	0	
Barium		1.40E+01	14.0	0.0	0	
Berylium		2.78E-02	0.028	0.0	0	
Fluoride		5.83E+00	5.8	0.0	0	
Manganese		5.38E+00	5.4	0.0	0	
Thallium		3.76E-03	0.004	0.0	0	
Sulfate		NA	NA	NA	0	
Phenolics		2.14E+02	214.472372	0.0	0	
Magnesium		6.82E+01	68	0.0	0	
PCBs		2.71E-04	0.000271	0.0	0	
Sulfides		7.60E+01	76	0.0	0	
TDS		2.67E+03	2672	0.0	0	
					8.34	
					0.0245	

Re: WV0021750-City of Marmet-Draft Permit

1 message

brianhigginbotham@suddenlink.net <brianhigginbotham@suddenlink.net> Wed, Nov 17, 2021 at 3:28 PM
To: "Devereux, Lori K" <lori.k.devereux@wv.gov>

Lori

I received the permit.

Thanks
Brian

---- "Devereux wrote:
> This will be considered your certified copy. If you could please email me
> back and let me know you received this, I would greatly appreciate it.
> Thanks
>
> --
> Environmental Resource Associate
> WV Department of Environmental Protection
> Division of Water and Waste MGMT
> 601 57th Street SE
> Charleston, WV 25304
> Email: lori.k.devereux@wv.gov
> Telephone: 304-926-0499 ext. 43863

Reissuance Technical Review

Permit # WV0021750

Facility: City of Marmet

Permit Writer: Cassie Casto

Pretreatment Section-Industrial Users Y/N
Comments:

Sewage Sludge Section

___ Land Application of Sewage Sludge or Septage
___ Source of Sewage Sludge
___ Land Application Site Information
Comments:

Wasteload Allocation Section

Complete Y/N
Comments:

Discharge Monitoring Reports

Current Y/N
Comments:

Authorized Signature & Date Y/N

Statement For Billing Y/N

Customer Fee Sheet Y/N

Correct Fee Y/N Fee: ___850___ epayed

Groundwater Protection Plan ~~Y/N~~

west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304
Telephone Number: (304) 926-0495
Fax Number: (304) 926-0496

Austin Caperton, Cabinet Secretary
dep.wv.gov

January 15, 2020

Honorable Jennings Snodgrass
Mayor, City of Marmet
PO Box 15216
Marmet, WV 25365

91 7199 9991 7039 1695 9317

CERTIFIED RETURN RECEIPT REQUESTED

Re: WV/NPDES Permit No. WV0021750

Dear Sir or Madam:

Your individual WV/NPDES Water Pollution Control Permit No. WV0021750 expires on June 30, 2021 and requires updating. Under 47 CSR 10, Section 4.3 of the West Virginia Legislative Rules, the permittee is required to submit a complete reissuance permit application a minimum of 180 days prior to the expiration date of its existing permit. This is further reflected as a requirement in Appendix A, Section I.2 of your existing WV/NPDES Water Pollution Control Permit. **It is requested that you submit your electronic forms or hardcopy forms on or before January 1, 2021.**

Failure to submit said information is sufficient cause for appropriate action provided in Chapter 22, Article 11 and the regulations pursuant thereto. **Please note that under Chapter 22, Article 11 of the West Virginia Code that violations are potentially subject to a maximum penalty of $25,000 per day per violation.**

The agency is directing you to our website to electronically complete the renewal of your WV/NPDES Water Pollution Control Permit which became mandatory on July 1, 2011. The agency requires the permittee to utilize this electronic application system for the reissuance of its permit. The benefits of the electronic system are designed to simplify your reporting requirements by providing the flexibility to enter information from any location with an internet connection and a valid log-in identification. Use of this electronic application system ensures a complete application submittal resulting in a quicker and more efficient permitting process. Electronic permitting also reduces the use of paper which in turn helps with the Department's mission of promoting a healthy environment! Please go to the https://apps.dep.wv.gov/eplogin.cfm to sign up for a user login identification if the permittee

officials currently do not have one. Please contact Pamela Houston at (304) 926-0499 Ext. 1574 between 8:00 A.M. to 4:00 P.M. or by e-mail at Pamela.S.Houston@wv.gov for any questions.

If you do not have access to the internet, please contact this office within five (5) days of receipt of this letter to obtain the necessary paper applications. Please contact Lori Devereux at (304) 926-0499 Ext. 1057 or by e-mail at Lori.K.Devereux@wv.gov for any questions regarding the electronic submittal of permit applications.

In accordance with the Title 47, Series 10, Section 12.1 issued pursuant to Chapter 22, Article 11, Code of West Virginia, the Chief is now required to publish the public notice as a Class I legal advertisement of the preparation of a draft permit. The rules also require that the costs of publication of the public notice will be borne by the applicant who must send a certificate of publication of the public notice to this Office within 20 days after publication. **Therefore, a notarized Statement for Billing must accompany the submission of your electronic or hardcopy application in order for us to initiate review of your application.**

Please be advised that ALL information regarding land application of a sewage sludge as a means of disposal for sewage sludge must be provided in order for the agency to allow land application as a means of sewage sludge disposal in your permit. The agency will no longer identify sites as being "Under Evaluation" in the permit. If ALL of the information is not provided with the reissuance application, you will not be permitted to continue land applying sewage sludge in your reissued permit. Once the permittee would obtain all of the necessary information, the permittee may request through a major permit modification to have approval for land application.

Please be advised that Legislative Rule, Title 47, Series 26, effective May 4, 2000 and entitled "Water Pollution Control Permit Fee Schedules" establishes a schedule of permit application fees, modification fees and a schedule of annual permit fees for state water pollution control permits. **We have calculated your permit application fee to be $850.** If you disagree with our calculation, the rules provide an opportunity for you to seek verification. You should obtain a copy of the referenced regulation, by contacting the Secretary of State's Office, State Capitol Building, Charleston, WV 25305, and submit your written assessment of the appropriate permit application fee.

We would like to notify you at this time of new state water rules and procedures that affect the issuance of permits and modifications that involve new or expanded discharges to waters of the State. The 2001 legislative session passed the Antidegradation Implementation Procedures Rule, 60 CSR 5, requiring the Department of Environmental Protection (DEP) to ensure that new or expanded discharges do not have a significant impact on the waters of the State. Part of this rule requires any applicant of a new or expanded discharge to establish Baseline Water Quality (BWQ) for the stream to which they intend to discharge. Effective July 1, 2002, applicants must supply the DEP with comprehensive water quality data establishing the BWQ for the receiving stream involved along with their permit or modification application for a new or expanded discharge. Prior to any BWQ sampling, the agency encourages the permittee to contact this office for assistance.

You should be aware that if you have not submitted the required Discharge Monitoring Reports to this office during the term of your permit, your permit will not be renewed. If the required sampling and reporting has not been performed, you must contact this office to determine a sampling regime in order to provide the data necessary to have your permit reissued.

Your electronic or hardcopy submittal should include a completed reissuance application form, customer fee sheet, application fee, wasteload allocation form, sludge application forms, and an industrial user form for each respective user (if applicable).

Electronic submittals should include other required information as uploaded attachments to your permit renewal application on the E-DEP website. These include, but are not limited to the laboratory analysis bench sheet(s) for sewage sludge. Also, if applicable, laboratory analysis bench sheet(s) for land application site(s), land owner agreement(s), topographic map of the general area of land application site(s), aerial or soil map of the individual field(s), WVU nutrient analysis sheet(s), sludge storage guidelines, sludge storage signature sheet(s), and map(s) indicating the location of the storage pits and storage areas of each land application site(s).

For electronic submittals, after you submit a completed renewal application online, you'll need to send the certification of the signature page, an application fee of $850, a notarized statement for billing, and any other documents that you did not attach electronically with your submitted application on the E-DEP website to our office.

If you have any questions regarding the preparation of the electronic application, please do not hesitate to contact Cassie Casto of this office at (304) 926-0499, extension 1285.

Sincerely,

Lori Devereux
NPDES Permit Team

Enclosures

cc: Environmental Inspector Supervisor(Kanawha Co)
Environmental Inspector

APPENDIX D

POTESTA

Town of Marmet DMR Summary
Outlet 001
WV0021750

Date	Flow		BOD				TSS				BOD, 5day Percent Removal, Dry	BOD, 5day Percent Removal, Wet	Solids, Suspended Percent Removal, Dry
	mgd	mgd	Lbs/Day	Lbs/Day	mg/L	mg/L	Lbs/Day	Lbs/Day	mg/L	mg/L	%	%	%
	Avg. Monthly	Max Daily	Avg. Monthly	Max. Daily	Avg. Monthly	Max. Daily	Avg. Monthly	Max. Daily	Avg. Monthly	Max. Daily	Avg. Monthly	Avg. Monthly	Avg. Monthly
May-23	0.665	0.665	11.09	11.09	2.0	2.0	34.77	34.77	6.27	6.27	88.0	<0.00001	90.0
Jun-23	0.234	0.234	3.90	3.90	2.0	2.0	3.64	3.64	1.87	1.87	99.3	<0.0001	99.5
Jul-23	0.455	0.455	7.58	7.58	2.0	2.0	3.41	3.41	0.900	0.900	97.5	<0.000001	99.3
Aug-23	0.311	0.311	5.18	5.18	2.0	2.0	5.18	5.18	2.00	2.00	98.0	<0.0001	98.0
Sep-23	0.645	0.645	10.75	10.75	2.0	2.0	9.68	9.68	1.80	1.80	98.0	<0.00001	98.0
Oct-23	0.314	0.314	5.23	5.23	2.0	2.0	4.19	4.19	1.60	1.60	99.0	<0.0001	98.0
Nov-23	0.280	0.280	4.67	4.67	2.0	2.0	20.4	20.4	8.75	8.75	99.4	<0.0001	97.8
Dec-23	0.687	0.687	11.45	11.45	2.0	2.0	4.58	4.58	0.80	0.80	96.2	<0.0001	97.1
Jan-24	0.517	0.517	10.34	10.34	2.4	2.4	6.89	6.89	1.60	1.60	94.0	<0.0001	92.0
Feb-24	0.387	0.387	10.00	10.00	3.1	3.1	7.05	7.05	2.2	2.2	98.0	<0.0001	98.0
Mar-24	0.704	0.704	11.74	11.74	2.0	2.0	7.04	7.04	1.2	1.2	94.0	<0.00001	89.2
Apr-24	0.516	0.516	11.6	11.6	2.7	2.7	16.35	16.35	3.80	3.80	90.0	<0.0001	***77.0***
Permit Limit	Rpt Only	Rpt Only	45.9	91.8	11	22	125.1	250.2	30	60	85	Rpt Only	85

Notes:
Values in bold red italic font exceed the permit limitation.
Data compiled from Discharge Monitoring Reports submitted to the West Virginia Department of Environmental Protection.

Town of Marmet DMR Summary
Outlet 001
WV0021750

Date	Solids, Suspended Percent Removal, Wet	Fecal Coliform		pH		Dissolved Oxygen	Total Kjeldahl Nitrogen				Total Recoverable Copper		Total Recoverable Zinc	
	%	Cnts/100ml	Cnts/100ml	S.U.	S.U.	mg/L	Lbs/Day	Lbs/Day	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Avg. Monthly	Mon. Geo. Mean	Max. Daily	Inst. Min	Inst. Max	Inst. Min	Avg. Monthly	Max. Daily	Avg. Monthly	Max. Daily	Avg. Monthly	Max Daily	Avg. Monthly	Max Daily
May-23	<0.0001	23.0	23.0	7.37	7.37	7.75	8.31	8.31	1.5	1.5	0.00214	0.00214	0.0204	0.0204
Jun-23	<0.0001	3.0	3.0	7.22	7.22	7.79	2.34	2.34	1.2	1.2	0.00432	0.00432	0.0653	0.0653
Jul-23	<0.000001	5.2	5.2	7.14	7.14	7.73	3.79	3.79	1.0	1.0	0.00240	0.00240	0.0450	0.0450
Aug-23	<0.0001	***261***	261	7.21	7.21	7.72	4.66	4.66	1.8	1.8	0.00144	0.00144	0.0468	0.0468
Sep-23	<0.00001	13.1	13.1	7.17	7.17	8.37	5.37	5.37	1.0	1.0	0.00257	0.00257	0.0402	0.0402
Oct-23	<0.0001	1.0	1.0	7.01	7.01	8.05	2.61	2.61	1.0	1.0	0.00314	0.00314	0.0339	0.0339
Nov-23	<0.0001	29.5	29.5	6.68	6.68	8.35	4.67	4.67	2.0	2.0	0.00358	0.00358	0.0502	0.0502
Dec-23	<0.0001	12.0	12.0	7.26	7.26	7.62	9.30	9.30	1.6	1.6	0.00318	0.00318	0.0404	0.0404
Jan-24	<0.0001	49.6	49.6	7.39	7.39	9.42	13.79	13.79	3.2	3.2	0.00219	0.00219	0.0285	0.0285
Feb-24	<0.0001	2.0	2.0	7.02	7.02	8.43	7.10	7.10	2.2	2.2	0.00291	0.00291	0.0287	0.0287
Mar-24	<0.00001	2.0	2.0	6.98	6.98	9.45	5.87	5.87	1.0	1.0	0.0021	0.0021	0.040	0.040
Apr-24	<0.0001	13.2	13.2	6.98	6.98	7.59	***36.5***	36.5	***8.5***	8.5	0.00255	0.00255	0.0443	0.0443
Permit Limit	Rpt Only	200	400	6	9	7.25	25	50	6	12	0.009	0.018	0.074	0.155

Notes:
Values in bold red italic font exceed the permit limitation.
Data compiled from Discharge Monitoring Reports submitted to the West Virginia Department of Environmental Protection.

APPENDIX E

POTESTA

KANAWHA-CHARLESTON HEALTH DEPARTMENT
108 Lee Street, East /PO Box 927
Charleston, WV 25323-0927
(304) 344-KCHD (5243)

www.kchdwv.org

Sherri Young, DO, FAAFP
Executive Director/Health Officer

April 9, 2021

Mayor Jay Snodgrass
City of Marmet
Marmet, WV 25315

Dear Mayor Snodgrass,

Dear Mayor Snodgrass,

This letter is to lend support of this Department for your application for funding to repair a Public Health issue in the Town of Marmet. During periods of heavy rain, the sanitary sewer overflows onto the street in front of 8712 Maryland Avenue. This overflow contains contents of wastewater, including human excrement, which is a Public Health nuisance and carries many disease-causing organisms. Children have been observed riding their bikes through this water and playing basketball when it is dry (the disease-causing organisms are still present for several days). The sewage then travels to a storm sewer which discharges into a waterway.

This Department feels that funding to fix the issues is high priority and once funding is found, the issue is completed quickly.

If I may clarify any of this information, please contact me at 304-634-1459.

Sincerely,

KANAWHA-CHARLESTON HEALTH DEPARTMENT

Stanley B. Mills, RS MS
Interim Director
Environmental Health, Threat Preparedness, Epidemiology

APPENDIX F

POTESTA

United States Census Bureau

QuickFacts

West Virginia; Kanawha County, West Virginia

QuickFacts provides statistics for all states and counties. Also for cities and towns with a ***population of 5,000 or more***.

All Topics	West Virginia	Kanawha County, West Virginia
Population estimates, July 1, 2023, (V2023)	**1,770,071**	**174,805**
PEOPLE		
Population		
Population estimates, July 1, 2023, (V2023)	**1,770,071**	**174,805**
Population estimates base, April 1, 2020, (V2023)	1,793,713	180,749
Population, percent change - April 1, 2020 (estimates base) to July 1, 2023, (V2023)	-1.3%	-3.3%
Population, Census, April 1, 2020	1,793,716	180,745
Population, Census, April 1, 2010	1,852,994	193,063
Age and Sex		
Persons under 5 years, percent	4.9%	4.9%
Persons under 18 years, percent	19.9%	19.7%
Persons 65 years and over, percent	21.5%	22.6%
Female persons, percent	50.1%	51.6%
Race and Hispanic Origin		
White alone, percent	92.8%	88.4%
Black or African American alone, percent (a)	3.8%	7.4%
American Indian and Alaska Native alone, percent (a)	0.3%	0.2%
Asian alone, percent (a)	0.9%	1.1%
Native Hawaiian and Other Pacific Islander alone, percent (a)	Z	Z
Two or More Races, percent	2.1%	2.8%
Hispanic or Latino, percent (b)	2.2%	1.6%
White alone, not Hispanic or Latino, percent	90.9%	87.0%
Population Characteristics		
Veterans, 2018-2022	114,894	10,091
Foreign born persons, percent, 2018-2022	1.6%	1.9%
Housing		
Housing Units, July 1, 2023, (V2023)	863,745	90,341
Owner-occupied housing unit rate, 2018-2022	74.2%	69.7%
Median value of owner-occupied housing units, 2018-2022	$145,800	$131,200
Median selected monthly owner costs -with a mortgage, 2018-2022	$1,180	$1,166
Median selected monthly owner costs -without a mortgage, 2018-2022	$371	$418
Median gross rent, 2018-2022	$831	$868
Building Permits, 2023	4,014	151
Families & Living Arrangements		
Households, 2018-2022	716,040	77,252
Persons per household, 2018-2022	2.43	2.29
Living in same house 1 year ago, percent of persons age 1 year+, 2018-2022	88.9%	90.4%
Language other than English spoken at home, percent of persons age 5 years+, 2018-2022	2.5%	2.4%
Computer and Internet Use		
Households with a computer, percent, 2018-2022	88.8%	90.5%
Households with a broadband Internet subscription, percent, 2018-2022	82.7%	84.8%
Education		
High school graduate or higher, percent of persons age 25 years+, 2018-2022	88.4%	90.6%
Bachelor's degree or higher, percent of persons age 25 years+, 2018-2022	22.7%	28.2%
Health		
With a disability, under age 65 years, percent, 2018-2022	13.8%	14.0%
Persons without health insurance, under age 65 years, percent	7.4%	6.8%

Economy		
In civilian labor force, total, percent of population age 16 years+, 2018-2022	53.1%	54.8%
In civilian labor force, female, percent of population age 16 years+, 2018-2022	49.3%	51.5%
Total accommodation and food services sales, 2017 ($1,000) (c)	4,069,148	577,522
Total health care and social assistance receipts/revenue, 2017 ($1,000) (c)	15,236,903	D
Total transportation and warehousing receipts/revenue, 2017 ($1,000) (c)	3,068,787	1,021,549
Total retail sales, 2017 ($1,000) (c)	23,057,778	3,151,412
Total retail sales per capita, 2017 (c)	$12,678	$17,172
Transportation		
Mean travel time to work (minutes), workers age 16 years+, 2018-2022	26.3	22.0
Income & Poverty		
Median household income (in 2022 dollars), 2018-2022	$55,217	$55,226
Per capita income in past 12 months (in 2022 dollars), 2018-2022	$31,462	$34,976
Persons in poverty, percent	⚠ 17.9%	⚠ 17.7%

BUSINESSES

Businesses		
Total employer establishments, 2022	35,530	4,483
Total employment, 2022	540,468	74,108
Total annual payroll, 2022 ($1,000)	26,501,437	3,996,901
Total employment, percent change, 2021-2022	4.1%	3.9%
Total nonemployer establishments, 2021	91,015	9,069
All employer firms, Reference year 2017	24,430	3,624
Men-owned employer firms, Reference year 2017	14,791	2,030
Women-owned employer firms, Reference year 2017	3,728	434
Minority-owned employer firms, Reference year 2017	1,116	208
Nonminority-owned employer firms, Reference year 2017	20,383	2,551
Veteran-owned employer firms, Reference year 2017	1,872	219
Nonveteran-owned employer firms, Reference year 2017	19,020	2,460

GEOGRAPHY

Geography		
Population per square mile, 2020	74.6	200.5
Population per square mile, 2010	77.1	214.1
Land area in square miles, 2020	24,041.15	901.65
Land area in square miles, 2010	24,038.21	901.59
FIPS Code	54	54039

About datasets used in this table

Value Notes

⚠ Methodology differences may exist between data sources, and so estimates from different sources are not comparable.

Some estimates presented here come from sample data, and thus have sampling errors that may render some apparent differences between geographies statistically indistinguishable. Click the Quick Info ⓘ icon to th row in TABLE view to learn about sampling error.

The vintage year (e.g., V2023) refers to the final year of the series (2020 thru 2023). Different vintage years of estimates are not comparable.

Users should exercise caution when comparing 2018-2022 ACS 5-year estimates to other ACS estimates. For more information, please visit the 2022 5-year ACS Comparison Guidance page.

Fact Notes

(a) Includes persons reporting only one race
(b) Hispanics may be of any race, so also are included in applicable race categories
(c) Economic Census - Puerto Rico data are not comparable to U.S. Economic Census data

Value Flags

D Suppressed to avoid disclosure of confidential information
F Fewer than 25 firms
FN Footnote on this item in place of data
NA Not available
S Suppressed; does not meet publication standards
X Not applicable
Z Value greater than zero but less than half unit of measure shown
- Either no or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest or upper in open ended distribution.
N Data for this geographic area cannot be displayed because the number of sample cases is too small.

QuickFacts data are derived from: Population Estimates, American Community Survey, Census of Population and Housing, Current Population Survey, Small Area Health Insurance Estimates, Small Area Income and Pov Estimates, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits.

APPENDIX G

POTESTA

PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST

Town of Marmet
Maryland Avenue Overflow Abatement/
Outlet No. 003 Reconfiguration
Kanawha County, West Virginia

Alternative No. 1

Item	Description	Unit	Quantity	Unit Price	Estimated Cost
1	Pre-Construction Audio/Video Taping	LS	1	$ 5,000.00	$ 5,000.00
2	30" DIP Overflow Line	LF		$ 750.00	$ -
3	30" PVC Overflow Line	LF		$ 500.00	$ -
4	18" DIP Overflow Line	LF	150	$ 350.00	$ 52,500.00
5	18" DIP Sanitary Sewer Line	LF		$ 350.00	$ -
6	15" PVC Sanitary Sewer Line	LF		$ 300.00	$ -
7	Town of Marmet Roadway Replacement	LF		$ 90.00	$ -
8	WVDOH Type 'C' Trench	LF	100	$ 10.00	$ 1,000.00
9	1-1/2" Asphalt Overlay with Milling	SY		$ 70.00	$ -
10	Manhole 0'-6' Depth	EA	3	$ 7,500.00	$ 22,500.00
11	Manhole, Extra Depth	VF	30	$ 600.00	$ 18,000.00
12	Connection/Diversion Vault	LS		$ 25,000.00	$ -
13	Screen	LS	1	$ 20,000.00	$ 20,000.00
14	Headwall	LS	1	$ 35,000.00	$ 35,000.00
15	NPDES Permit Sign	EA	1	$ 1,725.00	$ 1,725.00
16	Abandon Existing Overflow Line	LS	1	$ 2,000.00	$ 2,000.00
17	Imported Backfill for Deep Excavation	TN	150	$ 40.00	$ 6,000.00
18	Temporary Pumping	LS	1	$ 30,000.00	$ 30,000.00
19	Flow Meter*	EA	1	$ 17,500.00	$ 17,500.00
20	Fence*	LF	175	$ 70.00	$ 12,250.00
21	Gate*	LS	1	$ 2,000.00	$ 2,000.00
				Subtotal:	***$ 225,475.00***
				Contingency (≈15%):	***$ 34,525.00***
				TOTAL:	***$ 260,000.00***
				SAY:	***$ 260,000***

*Potential deductive alternates

PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST

Town of Marmet
Maryland Avenue Overflow Abatement/
Outlet No. 003 Reconfiguration
Kanawha County, West Virginia

Alternative No. 6

Item	Description	Unit	Quantity	Unit Price	Estimated Cost
1	Pre-Construction Audio/Video Taping	LS	1	$ 10,000.00	$ 10,000.00
2	30" DIP Overflow Line	LF	350	$ 750.00	$ 262,500.00
3	30" PVC Overflow Line	LF	280	$ 500.00	$ 140,000.00
4	18" DIP Overflow Line	LF	50	$ 350.00	$ 17,500.00
5	18" DIP Sanitary Sewer Line	LF		$ 350.00	$ -
6	15" PVC Sanitary Sewer Line	LF		$ 300.00	$ -
7	Town of Marmet Roadway Replacement	LF	70	$ 90.00	$ 6,300.00
8	WVDOH Type 'C' Trench	LF	120	$ 10.00	$ 1,200.00
9	1-1/2" Asphalt Overlay with Milling	SY	200	$ 70.00	$ 14,000.00
10	Manhole 0'-6' Depth	EA	6	$ 7,500.00	$ 45,000.00
11	Manhole, Extra Depth	VF	40	$ 600.00	$ 24,000.00
12	Connection/Diversion Vault	LS	1	$ 25,000.00	$ 25,000.00
13	Screen	LS	1	$ 20,000.00	$ 20,000.00
14	Headwall	LS	1	$ 35,000.00	$ 35,000.00
15	NPDES Permit Sign	EA	1	$ 1,725.00	$ 1,725.00
16	Abandon Existing Overflow Line	LS	1	$ 2,000.00	$ 2,000.00
17	Imported Backfill for Deep Excavation	TN	400	$ 40.00	$ 16,000.00
18	Temporary Pumping	LS		$ 50,000.00	$ -
19	Flow Meter*	EA	1	$ 17,500.00	$ 17,500.00
20	Fence*	LF	175	$ 70.00	$ 12,250.00
21	Gate*	LS	1	$ 2,000.00	$ 2,000.00
				Subtotal:	***$ 651,975.00***
				Contingency (≈15%):	***$ 98,025.00***
				TOTAL:	***$ 750,000.00***
				SAY:	***$ 750,000***

*Potential deductive alternates

PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST

Town of Marmet
Maryland Avenue Overflow Abatement/
Outlet No. 003 Reconfiguration
Kanawha County, West Virginia

Alternative No. 8

Item	Description	Unit	Quantity	Unit Price	Estimated Cost
1	Pre-Construction Audio/Video Taping	LS	1	$ 10,000.00	$ 10,000.00
2	30" DIP Overflow Line	LF		$ 750.00	$ -
3	30" PVC Overflow Line	LF		$ 500.00	$ -
4	18" DIP Overflow Line	LF	150	$ 350.00	$ 52,500.00
5	18" DIP Sanitary Sewer Line	LF	280	$ 350.00	$ 98,000.00
6	15" PVC Sanitary Sewer Line	LF	280	$ 300.00	$ 84,000.00
7	Town of Marmet Roadway Replacement	LF	130	$ 90.00	$ 11,700.00
8	WVDOH Type 'C' Trench	LF	150	$ 10.00	$ 1,500.00
9	1-1/2" Asphalt Overlay with Milling	SY	300	$ 70.00	$ 21,000.00
10	Manhole 0'-6' Depth	EA	7	$ 7,500.00	$ 52,500.00
11	Manhole, Extra Depth	VF	50	$ 600.00	$ 30,000.00
12	Connection/Diversion Vault	LS	1	$ 25,000.00	$ 25,000.00
13	Screen	LS	1	$ 20,000.00	$ 20,000.00
14	Headwall	LS	1	$ 35,000.00	$ 35,000.00
15	NPDES Permit Sign	EA	1	$ 1,725.00	$ 1,725.00
16	Abandon Existing Overflow Line	LS	1	$ 2,000.00	$ 2,000.00
17	Imported Backfill for Deep Excavation	TN	200	$ 40.00	$ 8,000.00
18	Temporary Pumping	LS	1	$ 50,000.00	$ 50,000.00
19	Flow Meter*	EA	1	$ 17,500.00	$ 17,500.00
20	Fence*	LF	175	$ 70.00	$ 12,250.00
21	Gate*	LS	1	$ 2,000.00	$ 2,000.00
				Subtotal	***$ 534,675.00***
				Contingency (≈15%):	***$80,325.00***
				TOTAL:	***$615,000.00***
				SAY:	***$615,000***

*Potential deductive alternates

PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST

Town of Marmet
Maryland Avenue Overflow Abatement/
Outlet No. 003 Reconfiguration
Kanawha County, West Virginia

Alternative No. 9

Item	Description	Unit	Quantity	Unit Price	Estimated Cost
1	Pre-Construction Audio-Video Color Recording	LS	1	$ 10,000.00	$ 10,000.00
2	Mobilization/Demobilization	LS	1	$ 35,000.00	$ 35,000.00
3	Construction Layout	LS	1	$ 10,000.00	$ 10,000.00
4	Remove and Replace Existing Overflow Line with 15" PVC SDR 35 Overflow Line	LF	90	$ 350.00	$ 31,500.00
5	18" PVC SDR 35 Sanitary Sewer Line	LF	0	$ 340.00	$ -
6	Remove and Replace Existing Gravity Sanitary Sewer Line with 15" PVC SDR 35 Gravity Sanitary Sewer Line	LF	65	$ 360.00	$ 23,400.00
7	12" PVC SDR 35 Sanitary Sewer Line	LF	370	$ 200.00	$ 74,000.00
8	Remove and Replace Existing Gravity Sanitary Sewer Line with 12" PVC SDR 35 Gravity Sanitary Sewer Line	LF	210	$ 210.00	$ 44,100.00
9	8" PVC SDR 35 Sanitary Sewer Line	LF	430	$ 170.00	$ 73,100.00
10	Remove and Replace Existing Gravity Sanitary Sewer Line with 8" PVC SDR 35 Gravity Sanitary Sewer Line	LF	0	$ 180.00	$ -
11	4" PVC SDR 35 Sanitary Sewer Service Lateral	LF	100	$ 150.00	$ 15,000.00
12	Service Reconnection with Wye	EA	10	$ 400.00	$ 4,000.00
13	Cleanout	EA	10	$ 600.00	$ 6,000.00
14	Connect Proposed Sanitary Sewer Line to Existing Manhole	EA	3	$ 800.00	$ 2,400.00
15	Connect Existing Sanitary Sewer Line to Proposed Manhole	EA	7	$ 800.00	$ 5,600.00
16	Town of Marmet Roadway Replacement	LF	700	$ 90.00	$ 63,000.00
17	WVDOH Type 'C' Trench	LF	150	$ 10.00	$ 1,500.00
18	1-1/2" Asphalt Overlay with Milling	SY	800	$ 70.00	$ 56,000.00
19	4' Diameter Manhole 0'-6' Depth	EA	3	$ 7,500.00	$ 22,500.00
20	Remove and Replace Existing Manhole with 5' Diameter Manhole	EA	1	$ 10,000.00	$ 10,000.00
21	5' Diameter Manhole, Extra Depth	LF	15	$ 600.00	$ 9,000.00
22	Remove and Replace Existing Manhole with 4' Diameter Manhole	EA	3	$ 8,500.00	$ 25,500.00
23	4' Diameter Manhole, Extra Depth	VF	35	$ 500.00	$ 17,500.00
24	4' Diameter Doghouse Manhole	EA	1	$ 20,000.00	$ 20,000.00
25	Clean Screen/Re-attach Tideflex Check Valve	LS	1	$ 5,000.00	$ 5,000.00

Item	Description	Unit	Quantity	Unit Price	Estimated Cost
26	Headwall	LS	1	$ 25,000.00	$ 25,000.00
27	NPDES Permit Sign*	EA	0	$ 1,750.00	$ -
28	Abandon Existing Sanitary/Storm Sewer Lines	LS	1	$ 2,000.00	$ 2,000.00
29	Sewer Bypass Pumping	LS	1	$ 50,000.00	$ 50,000.00
30	Flow Meter	EA	1	$ 17,500.00	$ 17,500.00
31	Fence*	LF	0	$ 60.00	$ -
32	Gate*	LS	0	$ 2,000.00	$ -
				Subtotal:	***$ 658,600.00***
				Contingency (≈15%):	***$98,400.00***
				TOTAL:	***$757,000.00***
				SAY:	***$757,000***
Extend Storm Sewer Line, Long Alley, and Replace Storm Sewer Line, Long Alley					
1	Town of Marmet Roadway Replacement	LF	610	$ 90.00	$ 54,900.00
2	12" HDPE Storm Sewer Line	LF	390	$ 200.00	$ 78,000.00
3	Storm Sewer Drop Inlet	EA	8	$ 4,000.00	$ 32,000.00
4	1-1/2" Asphalt Overlay with Milling	SY	200	$ 70.00	$ 14,000.00
5	Remove and Replace Existing Storm Sewer Line with 15" HDPE Storm Sewer Line	LF	185	$ 210.00	$ 38,850.00
6	8" HDPE Storm Sewer Lateral	LF	100	$ 90.00	$ 9,000.00
7	4" HDPE Storm Sewer Lateral	LF	100	$ 80.00	$ 8,000.00
8	Connect Proposed Storm Sewer Line to Existing Drop Inlet	EA	3	$ 500.00	$ 1,500.00
9	Connect Existing Storm Sewer Lateral to Proposed Drop Inlet	EA	2	$ 500.00	$ 1,000.00
10	15" x 8" HDPE Storm Sewer Lateral Connection	EA	1	$ 600.00	$ 600.00
11	15" x 4" HDPE Storm Sewer Lateral Connection	EA	6	$ 500.00	$ 3,000.00
				Subtotal:	***$ 240,850.00***
				Contingency (≈15%):	***$36,150.00***
				TOTAL:	***$277,000.00***
				SAY:	***$277,000***
Deductive Alternate No. 1 - Remove "Replace Storm Sewer Line, Long Alley" from Work					
1	Town of Marmet Roadway Replacement	LF	220	$ 90.00	$ 19,800.00
2	1-1/2" Asphalt Overlay with Milling	SY	200	$ 70.00	$ 14,000.00
3	Remove and Replace Existing Storm Sewer Line with 15" HDPE Storm Sewer Line	LF	185	$ 210.00	$ 38,850.00
4	Connect Proposed Storm Sewer Line to Existing Drop Inlet	EA	2	$ 500.00	$ 1,000.00
5	12" x 4" HDPE Storm Sewer Lateral Connection	EA	2	$ 500.00	$ 1,000.00
				Subtotal:	***$ 74,650.00***
				Contingency (≈15%):	***$10,350.00***
				TOTAL:	***$85,000.00***
				SAY:	***$85,000***

** No longer proposed or required.*

APPENDIX H

POTESTA

WASTEWATER UTILITIES

(Class A & B)

ANNUAL REPORT
For Year Ended 2023
For

NAME OF UTILITY: Town of Marmet Sanitary Board
PHYSICAL ADDRESS: PO BOX 15216, MARMET, WV 25365
MAILING ADDRESS: PO BOX 15216, MARMET, WV 25365

NAME Of MAYOR/ CHAIRPERSON/ PRESIDENT: DAVID FONTALBERT
PHYSICAL ADDRESS: PO BOX 15216, MARMET, WV 25365
E-MAIL ADDRESS: **dfontalbert@gmail.com**

UTILITY CONTACT PERSON: BRIAN HIGGINBOTHAM
TELEPHONE NO: 304-949-2241
E-MAIL ADDRESS: brian.higginbotham@suddenlink.net

ACCOUNTING CONTACT PERSON: ROGER TOWNSEND

ACCOUNTANT'S MAILING ADDRESS: 100 BAXTER WOODS DRIVE
TELEPHONE NO: 304-543-6319
E-MAIL ADDRESS: T_GAS100@YAHOO.COM

TO THE
PUBLIC SERVICE COMMISSION
OF
WEST VIRGINIA

FOR THE YEAR ENDED: 06/30/2023
Utility Class: B
Revision Date:
Audit Report Filed Date:

Utility Description Information

All data entered is for the Annual Report period.

Those cells that are not shaded require the utility to enter data .All others will be automatically filled in.

General Information

Name	Town of Marmet Sanitary Board
Address	PO BOX 15216, MARMET, WV 25365
Areas Served County or counties :	KANAWHA
Phone number	304-949-2241
Fax number	

Total number of full time employees:	Full Time Employees:	Contract Employees:
Field:	2.50	-
Customer Billing:	-	-
Administrative & General	-	-

Gross Annual Revenues	Gross Plant in Service	No. of Active customers
537,043	11,050,407	625

	# of Wastewater Systems	NPDES Permit Number(s)
Wastewater Systems:	1	WV0021750

Number of : 1. Treatment Plants	2. Pumping Stations	3. Grinder Pumping Stations
1	8	1

Total treatment capacity in MGD's**	5

**Million Gallons per Day

Number of: 1.Vacuum stations	2. Miles of Gravity Collection Mains	3. Miles of Force Collection Mains
0	7.35	2.04

Number of permitted combined system overflows (CSO)	4

IMPORTANT CHANGES DURING THE YEAR

Here under give particulars concerning the matters indicated below. Make the statements explicit and precise, and number them in accordance with the inquiries. Each inquiry must be answered. However, if the word "none" states the fact it may be used in answering any inquiry, or if information is given in the report which answers any inquiry, reference to such other schedules will be sufficient.

1 Changes in, and additions to franchise rights: describing (a) the actual consideration given therefore, and (b) from whom acquired. If acquired without the payment of any consideration, state that fact.
2 Acquisition of other companies, reorganization, merger or consolidation with other companies: give names of companies involved, particulars concerning the transactions, and reference to Commission authorization, if any.
3 Purchase or sale of operating units or systems such as generating plants, transmission lines, etc; specifying items, parties, dates and also reference to Commission authorization, if any.
4 Important leaseholds acquired, given, assigned or surrendered, giving effective dates, lengths of terms, names of parties, rents, Commission authorization, if any, and other conditions.
5 Important extensions of system, giving location, new territory covered by distribution system, and dates of beginning operations.
6 Estimated increase or decrease in annual revenues due to important rate changes, giving basis of estimate and stating for each revenue classification the amounts of increase or decrease and the number of customers affected for each such classification.
7 Obligation incurred or assumed by respondent as guarantor for the performance by another of any agreement or obligation, excluding ordinary commercial paper maturing on demand or not later than one year after date of issue, and giving Commission authorization, if any.
8 Changes in articles of incorporation or amendments to charter.
9 Additional matters of fact (not elsewhere provided for) which the respondent may desire to include in its report.

#1 - NONE
#2 - NONE
#3 - NONE
#4 - NONE
#5 - NONE
#6 - NONE
#7 - NONE
#8 - NONE
#9 - NONE

CORPORATE CONTROL OVER RESPONDENT

1. Did any corporation, business trust, or similar organization, hold control over the respondent at the close of the year?
NO

2. If control was so held, state:
(a) The form of control, whether sole or joint.
N/A

(b) The name of the controlling corporation or organization.
N/A

(c) The manner in which control was held.
N/A

(d) The extent of control.
N/A

(e) Whether control was direct or indirect.
N/A

(f) The name or names of the intermediary or intermediaries through which control, if indirect, was held (see note).
N/A

3. If any individual, association or corporation held control, as trustees, over the respondent, give the information called for below:

(a) The name of the trustee.
N/A

(b) The name of the beneficiary or beneficiaries for whom the trust was maintained.
N/A

(c) The purpose of the trust.
N/A

4. Give particulars as to any change during the year in the corporate control over the respondent.
N/A

Note: In cases where control of the respondent was in a holding company organization, submit a statement showing the chain of ownership or control to the main parent company or organization.

IDENTITY OF RESPONDENT

Type of Utility: SEWER

Public: X

Association or Authority:

Private:

1. Exact name of Respondent(Utility Name)
   TOWN OF MARMET SANITARY BOARD

2. If name of respondent was changed during the year, give particulars of change and date change became effective
   N/A

3. Address of principal business office at end of year
   PO BOX 15316, MARMET, WV 25365

4. Names and titles of officer having custody of the general corporate books of account and address of where the general corporate books are kept.
   DAVID FONTALBERT, MAYOR, PO BOX 15316, MARMET, WV 25365

5. Name of State under the laws of which respondent is incorporated and date of incorporation.
   N/A

6. If respondent is not incorporated, give the type of organization and date organized.
   MUNICIPALITY OWNED AND OPERATED

7. If at any time during the year the property of respondent was held by a receiver or trustee, give (a) name of receiver or trustee, (b) date such receiver or trustee took possession, (c), the authority by which the receivership or trusteeship was created, and (d) date when possession by receiver or trustee ceased.
   N/A

8. State the classes of utility and other services furnished by the respondent during the year in each state in which the respondent operated
   CLASS B

NOTICE

GENERAL INSTRUCTIONS

1. The original of this report form properly filled Public Service Commission of West Virginia on or before the last day of the third month following the close of the calendar or established fiscal year by each Class A or B public utility (as defined in the Uniform System of Accounts). One copy of the report should be retained by the respondent in its files.

2. The form of annual report is prepared in conformity with Uniform System of Accounts for Public Utilities prescribed by the Public Service Commission of West Virginia, and all accounting words and phrases are to be interpreted in accordance with the said classification.

3. Instructions should be carefully observed and each question should be answered fully and accurately whether it has been answered in a previous annual report or not. Where the word "none" truly and completely states the fact, it should be given to any particular inquiry unless in a numeric field. Where dates are called for, the month and day should be stated as well as the year. Customary abbreviations may be used in stating dates.

4. If any schedule does not apply to the respondent such fact should be shown on the schedule by the words "not applicable."

5. All entries should be made in permanent form. Entries of a contrary or opposite character (such as decreases reported in a column providing for both increases and decreases) should be enclosed in parentheses.

6. Commission authorization (abbreviated Comm. Auth.) used in the report means the authorization of this Commission or any other commission. Where a commission authorization is shown, the identity of the commission should also be given.

7. The annual report should in all particulars be complete in itself. Reference to reports of previous years or to other reports should not be made in lieu of required entries except as specifically authorized.

8. Wherever schedules call for comparison of figures of a previous year, the figures reported must be based upon those shown by the annual report of the previous year, or an appropriate explanation stating why the different figures were used.

9. Additional statements inserted for the purpose of further explanation of accounts or schedules should be made on schedule 801A-801B.

10. The word "respondent" wherever used in this report means the person, firm, association, corporation or municipal corporation on whose behalf the report is made.

11. If the respondent makes a report for a period other than a calendar year, the beginning and the end of the period covered must be clearly stated on page 1, and throughout the report where the year or period is required to be stated.

LIST OF SCHEDULES

Designate in column (c) by terms "none" or "not applicable" as appropriate, in instances where no information or amounts have been reported in certain schedules.

LIST OF SCHEDULES

Designate in column (c) by terms "none" or "not applicable" as appropriate, in instances where no information or amounts have been reported in certain schedules.

	Title of Schedule (a)	Schedule Page No. (b)	Remarks (c)
1	**Current and Accrued Liabilities**		
2	Notes Payable and Advances from Associated Companies	213	
3	Accounts and Notes Payable to Associated Companies	214	
4	Accrued Taxes and Miscellaneous Current and Accrued Liabilities	215-216	
5	Accounts Payable, Accrued Interest, Customer Deposit, and Other Deferred Credits	216	
6	Advances for Construction	216A	
7	Accumulated Deferred Investment Tax Credits	217	
8	Operating Reserves	218	
9	Contributions In Aid of Construction and Accumulated Deferred Income Taxes	219-219A	
10			
11	**Income Statement Supporting Schedules**		
12	Taxes Other Than Income Taxes	300-300A	
13	Distribution of Income Taxes And Accumulated Deferred Income Taxes	301	
14	Reconciliation of Reported Net Income with Taxable Income	302	
15	Income from Utility Plant Leased to Others and Gain or Loss on Disposition of Property	303	
16	Income from Merchandising, Jobbing, and Contract Work	304	
17	Interest and Dividend Income	304	
18	Nonutility Income and Miscellaneous Nonutility Expenses	305	
19	Allowance for Construction and Amortization Expenses	305	
20	Interest Expenses and Extraordinary Items	306-307	
21	**Utility Plant**	500	
22	Wastewater Plant In Service	501A-501B	
23	Wastewater Plant Leased to Others and Held for Future Use	502	
24	Wastewater Plant Retirement and Replacement	503	
25	Construction Work in Progress	504A - 504E	
26	Accumulated Provisions for Depreciation and Amortization	505A	
27	**Operating Revenues**	600	
28			
29	Sales of Wastewater to General Customers and Resale- By Months	601-602	
30	Other Operating Revenues	602A-602B	
31	**Operation and Maintenance Expenses**	603A-603B	
32	Purchased Wastewater Treatment	604	
33	Regulatory Commission Expenses and Miscellaneous Expenses	605	
34	Salaries , Wages, and Number of Employees	606A	
35	Salaries & Wages- Officers, Directors and Majority Stockholders	606B-606C	
36	Employee Health, Safety , And Training Hours	606D	
37	Rental of Building/Real Property and Rental of Equipment	607	
38	Insurance	607A	
39	Purchased Power, Fuel for Power Production, Chemicals, and Materials and Supplies	607B	
40	Contractual Services	608-608E	
41	Construction Clearances	609	
42	**Statistical Section**		
43	Important Changes During the Year	700	
44	Pumping Station Equipment	700A-700I	
45	Wastewater Mains	701	
46	Pumping and Purchased Wastewater Treatment Statistics	702	
47	Main Blockages, Treatment Rate, System Integrity, Customer Satisfaction	702A	
48	Proposed Summary Budget	703	
49	Cash Working Capital Reserve (CWCR) Summary	704-704A	
50	**General Corporate Information**		
51	Evaluation	800	
52	**Explanation Notes**	801A-801B	
53	**Verification and Oath**	802	
54	**Performance Measures**		

INCOME STATEMENT

Line No.	Account (a)	Sch Page No. (b)	This Year (c)	Last Year (d)	Increase or (Decrease) (e)
1	**UTILITY OPERATING INCOME**				
2	Operating Revenues (400)	600	537,043	460,297	76,746
3	Operating Expenses:				
4	Operating Expenses (401)	603A-603B	454,243	368,170	86,073
5	Depreciation Expenses (403)	505A	276,133	276,133	-
6	Amortization (406-407)				-
7	**Taxes Other than Income (408)**				
8	Utility Regulatory Assessment Fees (408.10)	300A	1,030	1,030	-
9	Property Taxes (408.11)	300A	-	-	-
10	Payroll Taxes (408.12)	300	10,842	9,580	1,262
11	Other Taxes and Licenses (408.13)	300A	-	-	-
12	**Income Taxes (409)**	301			
13	Federal Income Taxes, Utility Operating Income (409.10)	301	-	-	-
14	State Income Taxes, Utility Operating Income (409.11)	301	-	-	-
15	Local Income Taxes, Utility Operating Income (409.12)	301	-	-	-
16	**Provision for Deferred Income Taxes (410)**				
17	Deferred Federal Income Taxes (410.10)	301	-		-
18	Deferred State Income Taxes (410.11)	301	-		-
19	Deferred Local Income Taxes (410.12)	301	-		-
20	**Provision for Deferred Income Taxes - Credit (411)**				
21	Provision for Def. Inc. Taxes - Credit, Utility Operating Income (411.10)	301	-		-
22	**Investment Tax Credits (412)**				
23	Inv. Tax Credits Def. to Future Periods, Utility Operations (412.10)	301	-	-	-
24	Inv. Tax Credits Restored to Operating Inc., Utility Operations (412.11)	301	-	-	-
25	**Total Operating Expenses**		742,248	654,913	87,335
26	**Operating Income**		(205,205)	(194,616)	(10,589)
27	Income From Utility Plant Leased to Others (413)	303	-	-	-
28	Gains (Losses) From Disposition of Utility Property (414)	303	-	-	-
29	**Total Operating Income**		(205,205)	(194,616)	(10,589)
30	**OTHER INCOME AND DEDUCTIONS**				
31	Other Income:				
32	Income from Merchandising, Jobbing and Contract Work (415-416)	304	-	-	-
33	Interest and Dividend Income (419)	304	2,412	2,218	194
34	Allowance for Funds Used During Construction (420)	305	-	-	-
35	Nonutility Income (421)	305	-	7,225	(7,225)
36	**Total Other Income**		**2,412**	**9,443**	**(7,031)**

INCOME STATEMENT

Line No.	Account (a)	Sch Page No. (b)	This Year (c)	Last Year (d)	Increase or (Decrease) (e)
37	**Other Income Deductions:**				
38	Miscellaneous Nonutility Expenses (426)	305	-	-	-
39	**Total Other Income Deductions**		-	-	-
40	**Taxes Applicable to Other Income and Deductions:**				
41	**Taxes Other than Income (408):**				
42	Taxes Other than Income, Other Income and Deductions (408.20)	300	-	-	-
43	**Income taxes (409)**				
44	Income Taxes, Other Income and Deductions (409.20)	301	-	-	-
45	**Provision for Deferred Income Taxes (410)**				
46	Provision for Def. Inc. Taxes, Other Income and Deductions (410.20)	301	-		-
47	**Provision for Deferred Income Taxes - Credit (411)**				
48	Provision for Def. Inc. Taxes - Cr., Other Inc. and Deductions (411.20)	301	-		-
49	**Investment Tax Credits (412)**				
50	Investment Tax Credits - Net, Nonutility Operations (412.20)	301	-	-	-
51	Inv. Tax Credits Restored to Nonoperating Inc., Utility Ops. (412.30)	301	-	-	-
52	**Total taxes on other income and deductions**		-	-	-
53	**Net other income and deductions**		2,412	9,443	(7,031)
54	**INTEREST EXPENSE**				
55	Interest Expense (427)	306	21,420	23,883	(2,463)
56	Amortization of Debt Discount and Expense (428)	305	-	-	-
57	Amortization of Premium on Debt (429)	305	-	-	-
58	**Total Interest Expenses**		21,420	23,883	(2,463)
59	**Income Before Extraordinary Items**		(224,213)	(209,056)	(15,157)
60	**EXTRAORDINARY ITEMS**				
61	Extraordinary Income (433)	307	-	-	-
62	Extraordinary Deductions (434)	307	-	-	-
63	**Income Taxes (409.30):**				
64	Income Taxes, Extraordinary Items (409.30)	301	-	-	-
65	**Total Extraordinary Items**		-	-	-
66	**NET INCOME**		**(224,213)**	**(209,056)**	**(15,157)**

BALANCE SHEET

Line No.	Assets and Other Debits (a)	CLASS	Sch Page No. (b)	Balance Beginning of Year (c)	Balance End of Year (d)	Increase or (Decrease) (e)
1	**UTILITY PLANT**					
2	Utility Plant (101-106)	A & B	500	11,050,407	11,050,407	-
3	Less: Accumulated Prov. for Depr. and Amort. (108-110)	A & B	505A	(5,141,310)	(5,417,443)	(276,133)
4	Net Utility Plant			5,909,097	5,632,964	(276,133)
5	Utility Plant Acquisition Adjustments (114-115)	A & B	505A	-	-	-
6	Other Utility Plant Adjustments (116)	A	505A	-	-	-
7	**Total Net Utility Plant**			**5,909,097**	**5,632,964**	**(276,133)**
8	**OTHER PROPERTY AND INVESTMENTS**					
9	Nonutility Property (121)	A & B	200	-	-	-
10	Less: Accumulated Provision for Depr. and Amort. (122)	A & B	200	-	-	-
11	Net Nonutility Property			-	-	-
12	Investment in Associated Companies (123)	A & B	201	-	-	-
13	Utility Investments (124)	A & B	201	-	-	-
14	Other Investments (125)	A & B	201	-	-	-
15	Sinking Funds (126.1)	A	202	-	-	-
16	Depreciation Funds (126.2)	A	202	-	-	-
17	Other Special Funds (127.1)	A & B	202	182,775	190,298	7,523
18	Other Spec. Funds: Cash Working Capital Res. (127.2)	A & B	202	-	-	-
19	**Total Other Property and Investments**			**182,775**	**190,298**	**7,523**
20	**CURRENT AND ACCRUED ASSETS**					
21	Cash (131)	A & B	202	106,841	108,375	1,534
22	Special Deposits (132-133)	A & B	202	188,116	188,116	-
23	Working Funds (134)	A & B	202	-	-	-
24	Temporary Cash Investments (135)	A & B	202	-	-	-
25	Customer Accounts Receivable (141)	A & B	203	56,588	39,799	(16,789)
26	Other Accounts Receivable (142)	A & B	203	21,223	9,281	(11,942)
27	Accum. Provision for Uncollectible Accounts- Cr.(143)	A & B	203	-	-	-
28	Notes Receivable (144)	A & B	203	-	-	-
29	Receivables from Associated Companies (145-146)	A & B	204	-	-	-
30	Materials and Supplies (151-161)	A & B	205	-	-	-
31	Prepayments (162)	A & B	206	-	-	-
32	Accrued Interest and Dividends Receivable (171)	A & B	206	-	-	-
33	Rents Receivable (172)	A	206	-	-	-
34	Accrued Utility Revenues (173)	A	206	-	-	-
35	Miscellaneous Current and Accrued Assets (174)	A & B	206	-	-	-
36	**Total Current and Accrued Assets**			**372,768**	**345,571**	**(27,197)**
37	**DEFERRED DEBITS**					
38	Unamortized Debt Discount and Expense (181)	A & B	207	-	-	-
39	Extraordinary Property Losses (182)	A & B	208	-	-	-
40	Preliminary Survey and Investigation Charges (183)	A	208	-	-	-
41	Clearing Accounts (184)	A				-
42	Temporary Facilities (185)	A				-
43	Miscellaneous Deferred Debits (186)	A & B	206	31,464	31,464	-
44	Research and Development Expenditures (187)	A	206	-	-	-
45	Accumulated Deferred Income Taxes (190)	A & B	301	-	-	-
46	**Total Deferred Debits**			**31,464**	**31,464**	**-**
47						
48	**Total Assets and Other Debits**			**6,496,104**	**6,200,297**	**(295,807)**

BALANCE SHEET (Continued)

Line No.	Liabilities and Other Credits (a)	CLASS	Sch Page No. (b)	Balance Beginning of Year (c)	Balance End of Year (d)	Increase or (Decrease) (e)
1	**EQUITY CAPITAL**					
2	Common Stock Issued (201)	A & B	209	-	-	-
3	Common Stock Subscribed (202)	A	210	-	-	-
4	Common Stock Liability for Conversion (203)	A	210	-	-	-
5	Preferred Stock Issued (204)	A & B	209	-	-	-
6	Preferred Stock Subscribed (205)	A	210	-	-	-
7	Preferred Stock Liability for Conversion (206)	A	210	-	-	-
8	Premium on Capital Stock (207)	A	211	-	-	-
9	Reduction in Par on Stated Value of Capital Stock (209)	A	211	-	-	-
10	Gain on Resale or Cancellation of Reacquired Capital Stock (210)	A	211	-	-	-
11	Other Paid-in Capital (211)	A & B	211	-	-	-
12	Discount on Capital Stock (212)	A & B	211	-	-	-
13	Capital Stock Expense (213)	A & B	211	-	-	-
14	Retained Earnings (214-215)	A & B	105	(923,063)	(1,147,276)	(224,213)
15	Reacquired Capital & Preferred Stock (216)	A & B	209	-	-	-
16	Proprietary Capital (218)	A & B	211	-	-	-
17	**Total Equity Capital**			**(923,063)**	**(1,147,276)**	**(224,213)**
18	**LONG-TERM DEBT**					
19	Bonds (221-222)	A & B	212-212A	1,322,182	1,234,889	(87,293)
20	Advances from Associated Companies (223)	A & B	213	-	-	-
21	Other Long-Term Debt (224)	A & B	212B		-	-
22	**Total Long-Term Debt**			**1,322,182**	**1,234,889**	**(87,293)**
23	**CURRENT AND ACCRUED LIABILITIES**					
24	Accounts Payable (231)	A & B	216	14,146	30,246	16,100
25	Notes Payable (232)	A & B	213	-	-	-
26	Payables to Associated Companies (233-234)	A & B	214	24,353	23,953	(400)
27	Customer Deposits (235)	A & B	216	-	-	-
28	Accrued Taxes (236)	A & B	215	-	-	-
29	Accrued Interest (237)	A & B	216	-	-	-
30	Accrued Dividends (238)	A & B	216	-	-	-
31	Matured Long-Term Debt (239) & interest (240)	A & B	216	-	-	-
32	Miscellaneous Current and Accrued Liabilities (241)	A & B	216	64,489	64,489	-
33	**Total Current and Accrued Liabilities**			**102,988**	**118,688**	**15,700**
34	**DEFERRED CREDITS**					
35	Unamortized Premium on Debt (251)	A & B	207	-	-	-
36	Advances for Construction (252)	A & B	216A	-	-	-
37	Other Deferred Credits (253)	A & B	216	37,309	37,309	-
38	Accumulated Deferred Investment Tax Credits (255)	A & B	217	-	-	-
39	**Total Deferred Credits**			**37,309**	**37,309**	**-**
40	**OPERATING RESERVES**					
41	Property Insurance Reserve (261)	A & B	218	-	-	-
42	Injuries and Damages Reserve (262)	A & B	218	-	-	-
43	Pensions and Benefits Reserve (263)	A & B	218	-	-	-
44	Miscellaneous Operating Reserves (265)	A & B	218	-	-	-
45	**Total Operating Reserves**			**-**	**-**	**-**
46	**CONTRIBUTIONS IN AID OF CONSTRUCTION**					
47	Contributions in Aid of Construction (271)	A & B	219	5,956,687	5,956,687	-
48	Accumulated Amort. Of Contributions in Aid of Construction (272)	A & B	219	-	-	-
49	**Total Contributions in Aid of Construction**			**5,956,687**	**5,956,687**	**-**
50	**ACCUMULATED DEFERRED INCOME TAXES**					
51	Accelerated Amortization (281)	A & B	219A	-	-	-
52	Liberalized Depreciation (282)	A & B	219A	-	-	-
53	Other (283)	A & B	219A	-	-	-
54	**Total Accumulated Deferred Income Taxes**			**-**	**-**	**-**
55	**Total Liabilities and Other Credits**			**7,419,166**	**7,347,573**	**(71,593)**
56	**Total Liabilities and Equity**			**6,496,103**	**6,200,297**	**(295,806)**

STATEMENT OF CASH FLOWS

The overall design of the form has been categorized in accordance with FASB #95-Statement of Cash Flows using the direct method. For those completing the form without the assistance of an accountant, categorize receipts and disbursements using captions given and the blank lines as necessary to reconcile with cash accounts.

Cash Flows from Operating Activities include the cash effects of items normally appearing on an income statement. Other cash transactions should be reported as investing or financing activities, whichever appears to be the most appropriate for each circumstance.

Notes: please enter the inflow as positive numbers and out flow as negative numbers.

Line No.	Statement of Cash Flows	Amount for Year
1	**Cash Flows from Operating Activities**	
2	Cash from Customers Attributable to Operating Revenues	438,905
3	Less: Cash Paid for Operation & Maintenance Expenses	(412,055)
4	Cash Paid for Taxes Other Than Income Taxes	(10,244)
5	Income Taxes Paid	
6	**Subtotal of Cash Flows from Operating Activities**	**16,606**
7	Interest and Other income Received	98,138
8	(Interest Paid)	(21,420)
9	Other Cash Inflows(Outflows) from Operating Activities:	
10	Other Income Adjustments	
11		
12	**Net Cash Provided by (Used in) Operating Activities**	**93,324**
13	**Cash Flows from Investing Activities:**	
14	**Cash inflows:**	
15	Proceeds from Sale of Utility Plant	
16	Contributions and Advances in Aid of Construction	
17	Contributions and Advances from Associated Companies	
18	Proceeds from Sale of Investment Securities	
19	Proceeds from Disposal of Other Non-current Assets	
20	**Cash Outflows:**	
21	Expenditures on Additions to Utility Plant	
22	Refunds of Customer Advances for Construction	
23	Investments in and Advances to Associated Companies	
24	Purchase of Investment Securities	
25	Acquisition of Other Non-current Assets	
26	**Other Cash Inflows(Outflows) from Investing Activities:**	
27	Cost of Removal Net of Salvage	
28	Acquisition Costs	
29	Preliminary Survey and Investigation Costs	
30	**Net Cash Provided by (Used in) Investing Activities**	**-**
31	**Cash Flows from Financing Activities:**	
32	Cash Inflows - Proceeds from Issuance of:	
33	Long-Term Debt	-
34	Preferred Stock	
35	Common Stock	
36	**Cash Outflows**	
37	Payments for Retirement of:	
38	Long-Term Debt	(91,790)
39	Preferred Stock	
40	Common Stock	
41	Dividends on Preferred Stock	
42	Dividends on Common Stock	
43	Other Cash Inflows(Outflows) from Financing Activities:	
44	Net Increase or (Decrease) in Short-Term Debt	
45	Net Increase or (Decrease) in Customer Deposits	
46	Debt Issuance Costs	
47	Net Borrowings Under Line-of-Credit Agreement	
48	**Net Cash Provided by (Used in) Financing Activities**	**(91,790)**
49	Net Increase (Decrease) in Cash and Cash Equivalents	1,534
50	Cash and Cash Equivalents - Beginning of Year	294,957
51	**Cash and Cash Equivalents - End of Year**	**296,491**

STATEMENT OF CASH FLOWS

Line No.	Reconciliation of Net Income to Net Cash Provided by Operating Activities	Amount for Year
52	**Net Income**	(224,213)
53	**Adjustments to reconcile net income to net cash provided by operating activities:**	
54	Depreciation and amortization	276,133
55	Net deferred taxes & investment tax credits	
56	(Allowance for funds used during construction)	
57	(Gain) Loss recognized on disposition of assets	
58	Amortization of debt discount (premium) on debt	
59	Net (increase) decrease in receivables	28,731
60	(Increase) decrease in materials and supplies	
61	(Increase) decrease in prepayments	
62	Net (increase) decrease in other accrued revenues & assets	
63	Increase (decrease) in accounts payable	15,700
64	Increase (decrease) in interest accrued	
65	Net increase (decrease) in taxes accrued & taxes payable	
66	Net increase(decrease) in other accrued expenses	
67	Increase (decrease) in operating reserves	
68	Other adjustments	(3,027)
69	Income adjustments	
70		
71		
72		
73	**Net Cash Provided by Operating Activities**	**93,324**

NOTES TO BALANCE SHEET, STATEMENT OF CASH FLOWS AND OPERATIONAL PROGRAMS

Please provide a note on Schedule 801A-801B if needed.

Main Extensions

Main Extensions Performed per Rule 5.5:

Alternate Main Line Extensions Agreements

Total # customers added

Total number of long service lines added during year

Inspections Reports - DEP

DEP violations cited (pretreatment permit)

Compliance achieved

If no, expected date of compliance achievement

Capacity Development Report (WV Bureau for Public Health - OED)

Capacity Development Report prepared?

Compliance achieved with recommendations

If no, expected date of compliance achievement

Revenue Bonds

Has Audit Report by CPA been submitted this year?

List Bond Issues that are in default and amounts

Additional Notes:

APPROPRIATED RETAINED EARNINGS (Account 214)

Line No.	Purpose of Appropriation (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
	Total for Account 214	**-**	**-**

UNAPPROPRIATED RETAINED EARNINGS - (Account 215)

Line No.	Particulars (a)	This Year (b)	Preceding Year (c)
1	Unappropriated retained earnings (at beginning of period)	(923,063)	(714,007)
2			
3	Balance Transferred from Income (435)	(224,213)	(209,056)
4	Appropriations of Retained Earnings (436)		
5	Dividends Declared - Preferred Stock (437)		
6	Dividends Declared - Common Stock (438)		
7	Adjustments of Retained Earnings (439)		
8			
9			
10	Net increase (decrease) to retained earnings	(224,213)	(209,056)
11	Unappropriated retained earnings (at end of period)	(1,147,276)	(923,063)

NOTES TO STATEMENT OF RETAINED EARNINGS

NONUTILITY PROPERTY (Accounts 121)

ACCUMULATED DEPRECIATION AND AMORTIZATION OF NONUTILITY PROPERTY (Account 122)

MINOR ITEMS MAY BE GROUPED BY CLASSES.

Line No.	Description and Location (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16	Total for Account 121	-	-
17	Less Accum. prov. for depr. and amort. (122)		
18	Net nonutility property	-	-

INVESTMENTS IN ASSOCIATED COMPANIES, UTILITY INVESTMENTS AND OTHER INVESTMENTS (Accounts 123-125)

1. Report with separate subheadings for each account, the securities owned by the utility.
2. Include date of issue and date of maturity in description of any debt securities owned.
3. Designate any securities pledged and explain purpose of pledge in footnote on Schedule 801A-801B
4. Minor investments in Account 125 may be grouped by classes.
5. If book cost is different from cost to respondent, give cost to respondent in a footnote (on Schedule 801A-801B) and explain difference.

No.	Description of Investment (a)	Book Cost Beginning of Year (b)	Purchases or Additions During Year (c)	Sales or Other Dispositions During Year (d)	Book Cost End of Year (e)	Principal Amount or No. of Shares End of Year (f)	Revenues for Year (g)	Gain or Loss from Investments Disposed of (h)
1	Investment in Assoc. Co. (123)							
					-			
					-			
					-			
					-			
					-			
	Total Account 123	-	-	-	-	-	-	-
2	Utility Investments (124)							
					-			
					-			
					-			
					-			
					-			
	Total Account 124	-	-	-	-	-	-	-
3	Other Investments (125)							
					-			
					-			
					-			
					-			
					-			
	Total Account 125	-	-	-	-	-	-	-

CASH ,SINKING FUNDS ,SPECIAL DEPOSIT, OTHER SPECIAL DEPOSIT, AND OTHER SPECIAL FUNDS
Accounts 126 -135

Line No.	Name of Fund (a)	Balance Beginning of Year (b)	Additions Principal (c)	Additions Income (d)	*Enter as Negative Number* Deductions (e)	Balance End of Year (f)
1	**Cash on Hand and Cash in Bank (131.1 & 131.2)**	106,841				108,375
2	**Sinking Funds (126.1)-CLASS A ONLY!**					
						-
						-
						-
						-
						-
	Total Account 126.1	**-**	**-**	**-**	**-**	**-**
3	**Depreciation Fund (126.2)-CLASS A ONLY!**					
						-
						-
						-
						-
						-
	Total Account 126.2	**-**	**-**	**-**	**-**	**-**
4	**Other Special Funds (127.1)**					
	MUNICIPAL BOND COMMISSION	182,775	115,037	6,111	(113,625)	190,298
						-
						-
						-
						-
	Total Account 127.1	**182,775**	**115,037**	**6,111**	**(113,625)**	**190,298**
5	**Other Special Funds: Cash Working Capital Reserve (CWCR) (127.2)**					
	CWCR (Note: Will autofill via Schedule 704 entries)	-	-		-	-
	Total Account 127.2	**-**	**-**	**-**	**-**	**-**
6	**Special Deposits (132-133)**					
	BOND RESERVE	185,499				185,499
	RESERVE & REPLACEMENT	2,617				2,617
						-
						-
						-
	Total Accounts 132 &133	**188,116**	**-**	**-**	**-**	**188,116**
7	**Working Funds (134)**					
						-
						-
						-
						-
						-
	Total Account 134	**-**	**-**	**-**	**-**	**-**
8	**Temporary Cash Investments (135)**					
						-
						-
						-
						-
						-
	Total Account 135	**-**	**-**	**-**	**-**	**-**

B. ASSETS IN SINKING, DEPRECIATION, AND OTHER SPECIAL FUNDS

1. List the securities and other assets comprising the balance of each fund at end of year. Minor items may be grouped for each account.

2. Include date of issue and date of maturity in description of any debt securities owned.

3. For any securities pledged state name of pledges and purpose of pledge.

Line No.	Name of Fund and Description of Asset	Interest or Dividend Rate	Cost to Respondent	Par Value	Book Cost End of Year
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37	**Total**	**xxxx**	**-**	**-**	**-**

ACCOUNTS RECEIVABLE AND OTHER RECEIVABLE (Account 141-142)

No.	Particulars (a)	Amount Beginning of Year (b)	Amount End of Year (c)
1	**Customer accounts receivable (Acct.141):**		
	Utility service	56,588	39,799
	Total for Account 141	**56,588**	**39,799**
2	**Other accounts receivable (acct. 142):**		
		21,223	9,281
	Total for Account 142	**21,223**	**9,281**

ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS-CR. (Account 143)

1. Report below the information called for concerning this accumulated provision.
2. Explain any important adjustments of sub accounts.
3. Entries with respect to officers and employees shall not include items for utility services.

Line No.	Item (a)	Utility Customers (b)	Merchandise Jobbing and Contract Work (c)	Officers and Employees (d)	Other (e)	Total (f)
1	**Balance Beginning of Year**					-
2	Prov. for uncollectibles for year					-
3	Accounts written off					-
4	Coll. of accounts written off					-
5	Adjustments (explain):					-
6						-
7						-
8	**Balance End of Year**	-	-	-	-	-

NOTES RECEIVABLE (Account 144)

Give particulars of any notes discounted or pledged. Minor items may be grouped showing number of such items. Designate notes from officers and employees.

Line No.	Name of Maker and Purpose for Which Received (a)	Date of Issue (b)	Date of Maturity (c)	Amount (d)	Interest Rate (e)	Interest Amount (f)
1	**Balance Beginning of Year**					
2	**current Year's Activities:**					
3						
4						
5						
6						
7						
8	**Total for the Year**			-		-

ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES (Account 145)

Line No.	Name of Associated Company (a)	Balance Beginning of Year (b)	Totals for Year		Balance End of Year (e)
			Debits (c)	Credits (d)	
1					-
2					-
3					-
4					-
5					-
6					-
7					-
8					-
9					-
10					-
11	**Total for Account 145**	-	-	-	-

NOTES RECEIVABLE FROM ASSOCIATED DIVISIONS OR FUNDS (Account 146)

1. Give particulars of any notes pledged or discounted.
2. Include date of issue and date of maturity in description of note.

Line No.	Name of Maker and Description (a)	Balance Beginning of Year (b)	Totals for Year		Balance End of Year (e)	Interest for Year	
			Debits (c)	Credits (d)		Rate (f)	Amount (g)
1					-		
2					-		
3					-		
4					-		
5					-		
6					-		
7					-		
8					-		
9					-		
10	**Total for Account 146**	-	-	-	-		-

PLANT, MATERIAL, AND SUPPLIES

MERCHANDISE, OTHER MATERIAL AND SUPPLES, AND STORE EXPENSE (Accounts 151-161)

1. Report below the amount of materials and supplies at end of year under titles which are indicative of the character of the material included.
2. In section B give an explanation of inventory adjustments during year showing general classes of material affected and the various classes of accounts (operating expense, clearing accounts, etc.) debited or credited. Debits or credits to stores expense-clearing shall be shown separately.

A. Summary of Plant, Material, and Supplies at End of Year

Line No.	Class of Material (a)	Class of Account Affected (b)	Departments to Which Predominant Use of Material is Attributable (c)	Amount ($) (d)
1	**Beginning Balance (Accts. 151-161)**			
	(151) Plant Material and Supplies			
	Current Year's Activities			
	Total for current Year for Account 151			-
2	(152) Merchandise- CLASS A ONLY!			
	Current Year's Activities			
	Total for current Year for Account 152			-
3	(153) Other Material and Supplies-CLASS A ONLY!			
	Current Year's Activities			
	Total for current Year for Account 153			-
4	(161) Stores Expense-CLASS A ONLY!			
	Current Year's Activities			
	Total for current Year for Account 161			-
	End of Year Balance (Accts. 151-161)			-

B. Explanation of Inventory Adjustments

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

PREPAYMENTS (Account 162)
MISCELLANEOUS CURRENT AND ACCRUED ASSETS (Account 171-174)
MISCELLANEOUS DEFERRED DEBITS (Account 186)
RESEARCH AND DEVELOPMENT EXPNESE (ACCOUNT 187)

1. Give below the particulars called for concerning each prepayment.
2. Minor items may be grouped by classes, showing number of such items.

Line No.	Description (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	**Prepayments (Acct.162)**		
	Total for Account 162	-	-
2	**Accrued Interest and Dividends Receivable (Acct.171)**		
	Total for Account 171	-	-
3	**Rents Receivable (Acct. 172)-CLASS A ONLY!**		
	Total for Account 172	-	-
4	**Accrued Utility Revenues(Acct. 173)-CLASS AONLY!**		
	Total for Account 173	-	-
5	**Miscellaneous Current and Accrued Assets (Acct. 174)**		
	Total for Account 174	-	-
6	**Miscellaneous Deferred Debits (186)**		
	Deferred Rate Case Expense (Acct.186.1):		
	Other Deferred Debits (Acct.186.2):		
	DEFERRED OUTFLOW-PENSION	18,027	18,027
	DEFERRED OUTFLOW-OPEB	13,437	13,437
	Regulatory Assets (Acct.186.3):		
	Total for Account 186	**31,464**	**31,464**
7	**Research and Development Expense (Acct. 187)-CLASS A ONLY!**		
	Total for Account 187	-	-

UNAMORTIZED DEBT DISCOUNT AND EXPENSE AND UNAMORTIZED PREMIUM ON DEBT (Accounts 181, 251)

Report below the particulars called for with respect to the unamortized debt discount and expense or net premium applicable to each class and series of long-term debt. Show separately any amortized debt discount and expense or call premiums applicable to refunded issues, including separate subtotal therefore. Show in column (a) the method of amortization for each amount of debt discount and expense or premium. In column (b) show principal amount of debt on which the total discount and expense or premium, shown in column (c), was incurred.

Explain any charges or credits in column (e) and (f) other than amortization of Account 428 or 429.

Line No.	Debt to Which Related (a)	Principal Amount of Debt to Which Dis. and Exp. or Net Premiums Relate (b)	Total Discount and Expense or (Net Premiums) (c)	Balance Beginning of Year (d)	Debits During Year (e)	Credits During Year (f)	Balance End of Year (g)
1	**Unamortized Debt Disc. and Exp. (181)**						
2							-
3							-
4							-
5							-
6							-
7							-
8							-
9							-
10							-
11							-
12	**Total for Account 181**	-	-	-	-	-	-
13	**Unamortized Premium on Debt (251)**						
14							-
15							-
16							-
17							-
18							-
19							-
20							-
21							-
22							-
23							-
24	**Total for Account 251**	-	-	-	-	-	-

EXTRAORDINARY PROPERTY LOSSES (Account 182)

1. Report the information indicated concerning this account.
2. Include in the description the date the property was abandoned or other extraordinary loss incurred.
3. Show in column (c) the entire period over which the loss is to be written off.

Line No.	Description of Property Loss or Damage (a)	Comm. Authority (b)	Period of Amortization (c)	Balance Beginning of Year (d)	Debits (e)	Credits		Balance End of Year (h)
						Account Charged (f)	Amount (g)	
1								-
2								-
3								-
4								-
5								-
6								-
7								-
8								-
9								-
10	**Total for Account 182**			-	-		-	-

PRELIMINARY SURVEY AND INVESTIGATION CHARGES (Account 183)

CLASS A ONLY!

1. Report below the particulars called for concerning this account.
2. Minor items may be grouped by classes, showing number of such items.

Line No.	Description and Purpose of Project (a)	Balance Beginning of Year (b)	Debits (c)	Credits		Balance End of Year (f)
				Account Charged (d)	Amount (e)	
1						-
2						-
3						-
4						-
5						-
6						-
7						-
8						-
9	**Total for Account 183**	-	-		-	-

CAPITAL STOCK & PREFERRED STOCK (Accounts 201, 204, and 216)

1. Report below the particulars called for concerning common and preferred stock at end of year, distinguishing separate series of any general class. Show totals separately for common and preferred stock.
2. Entries in column (b) should represent the number of shares authorized by the articles of incorporation as amended to end of year.
3. Give particulars concerning shares of any class and series of stock authorized to be issued by a regulatory commission which have not yet been issued.
4. The designation of each class of preferred stock should show the dividend rate and whether the dividends are cumulative or non-cumulative.
5. State if any capital stock which has been nominally issued is nominally outstanding at end of year.
6. Give particulars of any nominally issued capital stock, reacquired stock, or stock in sinking and other funds which is pledged, stating name of pledgee and purpose of pledge.

Line No.	Class and Series of Stock (a)	Number of Shares Authorized by Charter (b)	Par or Stated Value Per Share (c)	Call Price at End of Year (d)	OUTSTANDING PER BALANCE SHEET		HELD BY RESPONDENT			
							AS REACQUIRED STOCK (Account 216)		IN SINKING AND OTHER FUNDS	
					Shares (e)	Amount (f)	Shares (g)	Cost (h)	Shares (i)	Amount (j)
1	**Common Stock - Account 201**									
2	**Balance Beginning of year**					-				
3	**Balance for the Current Year**									
4										
5										
6										
7										
8										
9										
10										
11	**End of Year Balance for Acct. 201**	-	-	-	-	-	-	-	-	-
12	**Preferred Stock - Account 204**									
13	**Balance Beginning of year**									
14	**Balance for the Current Year**									
15										
16										
17										
18										
19										
20										
21										
22	**End of Year Balance for Acct. 204**	-	-	-	-	-	-	-	-	-

SECURITY HOLDERS AND VOTING POWERS

1. (A) Give the names and addresses of the security holders of the respondent who, at the date of the latest closing of the stock book or compilation of list of stockholders of the respondent, prior to the end of the year, each held 5% or more of the voting powers in the respondent, and state the number of votes which each would have had a right to cast on that date if a meeting were then in order. If any such holder held in trust, give in a footnote (Schedule 801A-801B) the known particulars of the trust,if the stock book was not closed or a list of stockholders not compiled within one year prior to the end of the year, or if since the previous compilation of a list of stockholders, some other class of security has become vested with voting rights, then show such largest security holders as of the close of the year. Arrange the names of security holders in the order of voting power commencing with the highest. Show in column (a) the title of officers and directors included in such list of security holders.
   (B) Give also the voting powers resulting from ownership of securities of the respondent of each officer and director not included in the list of largest security holders.

2. Give the date of the latest closing of the stock book prior to the end of the year, and state the purpose of such closing:

Closing Date: _____ **Purpose:** _____

3. State the total number of votes cast on the latest general meeting prior to end of year for the election of directors of the respondent and number of such votes cast by proxy.
   Total: _____
   By Proxy:

4. Give the date and place of such meeting.

Line No.	Security Holder (a)	Title of Officer OR Director (b)	Number of Votes as of: Total Number of Votes (c)	Common Stock (d)	Preferred Stock (e)	Other Securities With Voting Power (f)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12	Total Votes Represented by above (insert total here).					

5. Show below the total number of security holders and total number of votes entitled to be cast for each series and class of security vested with voting rights as of the date for which the foregoing list of security holders is furnished.
   a. No. of Security Holders: _____
   b. No. of Votes: _____
   c. Class: _____

6. If voting rights are attached to any securities other than stock, name in a supplemental statement each such security to which voting rights are attached, and state the relation between holdings and corresponding voting rights, whether voting rights are actual or contingent, and if contingent, describe the contingency.

7. If any class or issue of securities has any special privileges in the election of directors, trustees, or managers, or in the determination of corporate action by any method, describe fully in a footnote on 801A-801B each such class or issue, and give a succinct statement showing clearly the character and extent of such privilege.

SECURITIES ISSUED OR ASSUMED DURING YEAR

1. Report below the particulars called for concerning securities issued or assumed during year.
2. Group and show separate totals for each class of security.
3. Give particulars concerning the assumption of long-term debt of others.
4. Non-par stock should be reported in column (c) at stated or assigned values, or if there is not stated or assigned value, they should be reported at the cash value of the consideration received.
5. Give particulars concerning consideration other than cash received for securities issued during year.
6. Designate premiums in column (f) by appropriate symbol.
7. Show in column (g) expenses applicable to securities issued during year and any delayed items of expense applicable to securities issued during preceding year. For such delayed items, entries should be made only in columns (a), (b), and (g).

Line No.	Class of Security (a)	Comm. Auth. No. (b)	Principal Amount Issued During Year (Omit Cents) (c)	Number of Shares of Stock Issued (d)	Par value Per Share of Stock (e)	Discount or Premium (f)	Expenses (g)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21	**Total**		-	-	xxxxxxx	-	-

CORPORATIONS CONTROLLED BY RESPONDENT

1. Show the names of all corporations, business trusts, and similar organizations, controlled directly or indirectly by respondent at any time during the year. If control ceased prior to end of year, give particulars in an attached memorandum.
2. Direct control is that which is exercised without interposition of an intermediary.
3. Indirect control is that which is exercised by the interposition of an intermediary which exercises direct control.

Line No.	Name of Company Controlled (a)	Kind of Business (b)	% Voting Stock Owned (c)	Character of Control			
				Form of Control (d)	Sole or Joint (e)	Direct or Indirect (f)	Other Parties to Joint Control (g)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

COMMON STOCK SUBSCRIBED (Account 202)
COMMON STOCK LIABILITY FOR CONVERSION (Account 203)
PREFERRED STOCK SUBSCRIBED (Account 205)
PREFERRED STOCK LIABILITY FOR CONVERSION (Account 206)

1. Show for each of the above accounts the amounts applying to each class and series of common and preferred stock.
2. Describe the agreement and transaction under which a conversion liability existed under accounts 203 & 206, Stock Liability for Conversion, at end of year.
3. For Stock Subscribed, Accounts 202 & 205, show the subscription price and the balance due on each class at end of year.

Line No.	Name of Account and Description of Item	Number of Shares	Balance Beginning of Year	Balance End of Year
	(a)	(b)	(c)	(d)
1	**Common Stock Subscribed (Acct. 202)- CLASS A ONLY!**			
	Total Account 202	-	-	-
2	**Common Stock Liability for Conversion (Acct. 203)- CLASS A ONLY!**			
	Total Account 203	-	-	-
3	**Preferred Stock Subscribed (Acct. 205)-CLASS A ONLY!**			
	Total Account 205	-	-	-
4	**Preferred Stock Liability for Conversion (Acct 206)-CLASS A ONLY!**			
	Total Account 206	-	-	-

OTHER PAID - IN CAPITAL (Accounts 207-211)

Line No.	Particulars (a)	Balance First of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	Premium on Capital Stock (207)- CLASS A ONLY!			-
2	Reduction in Par or Stated Value of Capital Stock (209)- CLASS A ONLY!			-
3	Gain on Resale or Cancellation of Reacquired Capital Stock (210)- CLASS A ONLY!			-
4	Other Paid-in Capital (211)			-
5	Installments Received on Capital Stock (211):			
6				-
7				-
8	**Total Account 211**	**-**	**-**	**-**
9	**Total Accounts 207-211**	**-**	**-**	**-**
10	Explain changes during year:			
11				
12				

DISCOUNT ON CAPITAL STOCK (Account 212)
CAPITAL STOCK EXPENSE (Account 213)

1. Report below the particulars by account.
2. Explain each debit and credit in detail.

Line No.	Class and Series of Stock (a)	Balance Beginning of Year (b)	Debits (c)	Credits (d)	Balance End of Year (e)
1	**Discount on Capital Stock (212)**				
2					-
3					-
4					-
5					-
6	**Total Account 212**	**-**	**-**	**-**	**-**
7	**Capital Stock Expense (213)**				
8					-
9					-
10					-
11					-
12	**Total Account 213**	**-**	**-**	**-**	**-**

PROPRIETARY CAPITAL (Account 218)

Line No.	Sole Proprietorship or Partnership (a)	Balance Beginning of Year (b)	Gains (c)	Losses (d)	Balance End of Year (e)
1					-
2					-
3					-
4					-
5					-
6	**Total Account 218**	**-**	**-**	**-**	**-**

LONG-TERM DEBT (Account 221)

Bonds

1. Report below the particulars indicated of the long-term debt at end of year represented by unmatured obligations issued or assumed by the respondent, exclusive of advances from associated companies.
2. Group amounts according to accounts and show the total for each account.

3. If the respondent has pledged any of its long-term debt securities give particulars in a footnote (on schedule 801A-801B), including name of the pledgee and purpose of the pledge.

Notes:

Acct 427- See Schedule 306.

Administrative Fees should be included in Acct. 775.8, Schedule 605.

Acct 239-240 See Schedule 216.

Example:" Debt Holder: "WDA", Class:"WDA 1999", Series: "A"

Line No.	Debt Holder, Class, Series (a)	Nominal Date of Issue (b)	Date of Maturity (c)	Outstanding per Balance Sheet (d)	Rate (%) (e)	Interest for Year- Acct. 427.3 ($) (f)	Matured P.& I. Acct-239 & 240 ($) (g)	Principal for Year ($) (h)	Reserve Requirements ($) (i)	Total Funding Required (F + H + I) (j)
1	**Bonds (221)**									
2	WDA 1990A	1/3/1990	10/1/2028	258,961	7.85%	21,420		32,554		53,974
3	WDA 1990B	1/3/1990	10/1/2028	4,892	0.00%			815		815
4	UDC 2009A	3/1/2010	9/1/2040	971,036	0.00%			56,292		56,292
5										-
6										-
7										-
8										-
9										-
10										-
11										-
12										-
13										-
14										-
15										-
16										-
17										-
18										-
19										-
20										-
	Total Account 221			**1,234,889**		**21,420**	**-**	**89,661**	**-**	**111,081**

LONG-TERM DEBT (Account 222)- CLASS A ONLY!

Reacquired Bonds

1. Report below the particulars indicated of the long-term debt at end of year represented by unmatured obligations issued or assumed by the respondent, exclusive of advances from associated companies.
2. Group amounts according to accounts and show the total for each account.

3. If the respondent has pledged any of its long-term debt securities give particulars in a footnote (on schedule 801A-801B), including name of the pledgee and purpose of the pledge.

Notes:

Acct 427- See Schedule 306.

Administrative Fees should be included in Acct. 775.8, Schedule 605.

Acct 239-240 See Schedule 216.

Example:" Debt Holder: "WDA", Class:"WDA 1999", Series: "A"

Line No.	Debt Holder, Class, Series (a)	Nominal Date of Issue (b)	Date of Maturity (c)	Outstanding per Balance Sheet (d)	Rate (%) (e)	Interest for Year- Acct. 427.3 ($) (f)	Matured P.& I. Acct-239 & 240 ($) (g)	Principal for Year ($) (h)	Reserve Requirements ($) (i)	Total Funding Required (F + H + I) (j)
1	**Reacquired Bonds (222)**									
2										-
3										-
4										-
5										-
6										-
7										-
8										-
9										-
10										-
11										-
12										-
13										-
14										-
15										-
16										-
17										-
18										-
19										-
20										-
21	**Total Account 222**			-		-	-	-	-	-

LONG-TERM DEBT (Account 224)

Other Long-Term Debt

1. Report below the particulars indicated of the long-term debt at end of year represented by unmatured obligations issued or assumed by the respondent, exclusive of advances from associated companies.

Notes:

Acct 427- See Schedule 306.

Administrative Fees should be included in Acct. 775.8, Schedule 605.

Acct 239-240 See Schedule 216.

Example:" Debt Holder: "WDA", Class:"WDA 1999", Series: "A"

2. List each account separately and show the total for each account.
3. If the respondent has pledged any of its long-term debt securities, give particulars in a footnote (on Schedule 801A-801B), including name of the pledgee and purpose of the pledge.

Line No.	Debt Holder, Class, Series (a)	Nominal Date of Issue (b)	Date of Maturity (c)	Outstanding per Balance Sheet (d)	Rate (%) (e)	Interest for Year- Acct. 427.3 ($) (f)	Matured P.& I. Acct-239 & 240 ($) (g)	Principal for Year ($) (h)	Reserve Requirements ($) (i)	Total Funding Required (F + H + I) (j)
1	**Other Long-Term Debt (224)**									
2										-
3										-
4										-
5										-
6										-
7										-
8										-
9										-
10										-
11										-
12										-
13										-
14										-
15										-
16										-
17										-
18										-
19										-
20										-
21	**Total Account 224**			-		-	-	-	-	-

ADVANCES FROM ASSOCIATED COMPANIES (Account 223)

LIST EACH NOTE SEPARATELY.

Line No.	Name of Associated Company (a)	Date of Note (b)	Date of Maturity (c)	Balance Beginning of Year (d)	Principal Advanced During Year (e)	Principal Repaid During Year (f)	Balance End of Year (g)	Interest Expense For Year Rate (h)	Interest Expense For Year Amount (i)	Comm. Auth. (j)
1							-			
2							-			
3							-			
4							-			
5							-			
6							-			
7							-			
8							-			
9							-			
10	**Total for account 223**			-	-	-	-		-	

NOTES PAYABLE (Account 232)

1. Give below the particulars indicated concerning notes payable at end of year.
2. Give particulars or collateral pledged, if any.
3. Any demand notes should be described as such in column (d).
4. Minor amounts may be grouped by classes, showing the number of such amounts.

Line No.	Payee (a)	Purpose for Which Issued (b)	Balance Beginning of Year (c)	Date of Note (d)	Date of Maturity (e)	Interest Rate (f)	Interest Amount (g)	Balance End of Year (h)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10	**Total for account 232**		-				-	-

ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES (Account 233)

Line No.	Payee and Description (a)	Balance Beginning of Year (b)	Totals for Year		Balance End of Year (e)
			Debits (c)	Credits (d)	
1	DUE TO GENERAL FUND	24,353	(83,095)	82,695	23,953
2					-
3					-
4					-
5					-
6					-
7					-
8					-
9					-
10					-
11	**Total for Account 233**	**24,353**	**(83,095)**	**82,695**	**23,953**

NOTES PAYABLE TO ASSOCIATED COMPANIES (Account 234)

1. If collateral has been pledged as security to the payment of any note, describe such collateral.
2. Include date of note and date of maturity in description of note.

Line No.	Payee and Description (a)	Balance Beginning of Year (b)	Totals for Year		Balance End of Year (e)	Interest for Year	
			Debits (c)	Credits (d)		Rate (f)	Amount (g)
1					-		
2					-		
3					-		
4					-		
5					-		
6					-		
7					-		
8					-		
9					-		
10					-		
11	**Total for Account 234**	**-**	**-**	**-**	**-**		**-**

ACCRUED TAXES (Account 236)

1. The balance of accruals for income taxes should be classified by the years to which the tax is applicable

Enter payments as negative numbers.

Line No.	Kind of Tax (a)	Balance First of Year (b)	Amounts Accrued (c)	Payments During Year (d)	Other Items Debit or (Credit) (e)	Balance End of Year (f)
1	**Accrued taxes, Other than Income (236.11)**					
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
2	**Accrued Taxes, Income Taxes (236.12)**					
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
3	**Accrued Taxes, Other Income and Deductions (236.2)**					
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
	Total Account 236	-	-	-	-	-

ACCOUNTS PAYABLE (231)
CUSTOMER DEPOSIT(235)
ACCRUED INTEREST (237)
ACCRUED DIVIDENDS (238) AND MATURED LONG TERM DEBT AND INTEREST(239& 240)
MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES (Account 241)
OTHER DEFERRED CREDITS (Account 253)

1. Report the amount and description of other current and accrued liabilities at end of year.
2. Minor items may be grouped under appropriate title.

No.	Items (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	**Accounts Payable (Acct.-231)**		
		14,146	30,246
	Total for Account 231	**14,146**	**30,246**
2	**Customer Deposit (Acct.-235)**		
	Total for Account 235	**-**	**-**
3	**Accrued Interest on Long Term Debt & Other Liabilities (Acct.-237.1 & 237.2)**		
	Total for Account 237	**-**	**-**
4	**Accrued Dividends(Acct.-238)**		
	Total for Account 238	**-**	**-**
5	**Matured Long-Term Debt & Matured Interest (Acct- 239 & 240)**		
	Total for Account 239 & 240	**-**	**-**
6	**Misc. Current and Accrued Liabilities (Acct.-241)**		
	NET OPEB LIABILITY	45,692	45,692
	NET PENSION LIABILITY	18,797	18,797
	Total Balance for Account 241	**64,489**	**64,489**
7	**Other Deferred Credits (Regulatory and Others)(Acct.-253)**		
	DEFERRED INFLOW - PENSION	11,768	11,768
	DEFERRED INFLOW - OPEB	25,541	25,541
	Total for Account 253	**37,309**	**37,309**

ADVANCES FOR CONSTRUCTION (Account 252)

Line No.	Class of Utility Service (a)	Balance Beginning of Year (b)	Debits		Credits (e)	Balance End of Year (f)
			Account (c)	Amount (d)		
1						-
2						-
3						-
4						-
5						-
6						-
7						-
8						-
9						-
10						-
11						-
12						-
13						-
14						-
15						-
16						-
17						-
18						-
19						-
20						-
21						-
22						-
23						-
24						-
25						-
26						-
27						-
28						-
29						-
30						-
31						-
32						-
33						-
34						-
35						-
36						-
37						-
38						-
39						-
40						-
41						-
42						-
43						-
44						-
45	**Total for Account 252**	-		-	-	-

ACCUMULATED DEFERRED INVESTMENT TAX CREDITS (Account 255)

Report as specified below information applicable to Account 255. Where appropriate, segregate the balances and transactions by utility and Non-utility operations. Explain by footnote (on Schedule 801A-801B) any correction adjustments to the account balance shown in column (g). Include in column (I) the average period over which the tax credits are amortized.

Line No.	Utility OR Nonutility (a)	Balance Beginning of Year (b)	Deferred for Year		Allocations to Current Year's Income		Adjustments (g)	Balance End of Year (h)	Average Period of Allocation to Income (i)
			Account No. (c)	Amount (d)	Account No. (e)	Amount (f)			
1	Wastewater Utility(255.1):							-	
	3%							-	
	4%							-	
	7%							-	
	10%							-	
	Other: (list separately and show							-	
	3%, 4%, 7%, 10%, and total)							-	
								-	
								-	
								-	
								-	
	Total for Wastewater Utility	**-**	**xxxxx**	**-**	**xxxxx**	**-**	**-**	**-**	
2	Non Utility (255.2)								
								-	
								-	
								-	
								-	
								-	
								-	
								-	
								-	
								-	
								-	
								-	
	Total for Wastewater NonUtility	**-**	**xxxxx**	**-**	**xxxxx**	**-**	**-**	**-**	
	Total for Account 255	**-**		**-**		**-**	**-**	**-**	

PROPERTY INSURANCE AND INJURIES AND DAMAGES RESERVES (Accounts 261 - 262)

Line No.	Particulars (a)	Property Insurance (Account 261) (b)	Injuries & Damages (Account 262) (c)
1	**Balance beginning of year**		
2	Additions during year (specify department and account charged)		
3			
4			
5			
6			
7			
8	Total Additions	-	-
9	**Deductions during year (specify)**		
10			
11			
12			
13			
14			
15	Total Deductions	-	-
16			
17	**Balance end of year**	-	-

PENSIONS AND BENEFITS RESERVE (Account 263)

MISCELLANEOUS OPERATING RESERVES (Account 265)

Line No.	Particulars (a)	Pensions & Benefits (Account 263) (b)	Miscellaneous (Account 265) (c)
1	**Balance beginning of year**		
2	Additions during year (specify department and account charged)		
3			
4			
5			
6			
7			
8	**Total additions**	-	-
9	Deductions during year (specify)		
10			
11			
12			
13			
14			
15	**Total deductions**	-	-
16			
17	**Balance end of year**	-	-
18	Explain nature of risks for which above reserves have been established and give actual or estimated liability		
19	for claims at end of year.		
20			
21			
22			
23			
24			
25			

CONTRIBUTIONS IN AID OF CONSTRUCTION (Account 271)

REPORT AMOUNTS APPLICABLE TO EACH WASTEWATER UTILITY DEPARTMENT .

Line No.	Class of Utility Service (a)	Balance Beginning of Year (b)	Debits		Credits (e)	Balance End of Year (f)
			Account Number Credited (c)	Amount (d)		
1	CLASS B	5,956,687				5,956,687
2						-
3						-
4						-
5						-
6						-
7						-
8						-
9						-
10						-
11						-
	Total for account 271	**5,956,687**		**-**	**-**	**5,956,687**

ACCUMULATED AMORTIZATION OF CONTRIBUTIONS IN AID OF CONSTRUCTION (Account 272)

Report the information indicated concerning this account.

Line No.	Description (a)	Balance Beginning of Year (d)	Credits Account 403 (e)	Balance End of Year (f)	Comm. Approval (b)	Period of Amortization (c)
1				-		
2				-		
3				-		
4				-		
5				-		
6				-		
7				-		
8				-		
9				-		
10				-		
11				-		
12				-		
13				-		
14				-		
15				-		
16				-		
17				-		
	Total for account 272	**-**	**-**	**-**		

ACCUMULATED DEFERRED INCOME TAXES (Accounts 281 - 283)

SEGREGATE BETWEEN EACH UTILITY DEPARTMENT AND NONUTILITY PROPERTY

Line No.	Description (a)	Balance Beginning of Year (b)	Deferred for Year		Allocations to Current Year's Income		Adjustments (g)	Balance End of Year (h)	Average Period of Allocation to Income (i)
			Account No. (c)	Amount (d)	Account No. (e)	Amount (f)			
1	Accelerated amortization (281)								
								-	
								-	
								-	
								-	
								-	
								-	
								-	
	Total for Account 281	-		-		-	-	-	
2	Liberalized depreciation (282)								
								-	
								-	
								-	
								-	
								-	
								-	
								-	
	Total for Account 282	-		-		-	-	-	
3	Other (283)								
								-	
								-	
								-	
								-	
								-	
								-	
								-	
	Total Account 283	-		-		-	-	-	

TAXES OTHER THAN INCOME, PAYROLL TAXES (408.12)
TAXES OTHER THAN INCOME, OTHER INCOME AND DEDUCTIONS (408.20)

Line No.	Particulars (a)	Amount (408.12) (b)	Other Income and Deductions (408.20) (c)	Total (d)	Charged to Plant Accounts (e)	Other (Explain) (f)	Total Distribution of Other Taxes (g)
1	**Total amount from last year for Acct.408.12**	9,580					
2	**Total amount from last year for Acct.408.20**						
3	**State & Local (Detail)**						
4	Current Year's Activities:						
5	STATE UNEMPLOYMENT	598		598			598
6				-			-
7				-			-
8				-			-
9				-			-
10				-			-
11				-			-
12				-			-
13				-			-
14	**Federal (Detail)**						
15	Current Year's Activities:						
16	FICA	10,244		10,244			10,244
17				-			-
18				-			-
19				-			-
20				-			-
21				-			-
22				-			-
23				-			-
24				-			-
25				-			-
26				-			-
27				-			-
28	**Total Other Taxes**	**10,842**	**-**	**10,842**	**-**	**-**	**10,842**

UTILITY REGULATORY ASSESSMENT FEES (Account 408.10)
PROPERTY TAXES (408.11)
OTHER TAXES AND LICENSES (Account 408.13)

Line No.	Description (a)	EXPENSES INCURRED DURING YEAR CHARGED CURRENTLY TO Department (b)	Amount for this Year (c)	Total Amount from Preceding Year (d)
1	**Regulatory Assessment Fees (408.10)**			
	Public Service Commission's Assessment Fees	SEWER	1,030	1,030
	Total for Account 408.10		**1,030**	**1,030**
2	**Property Taxes (408.11)**			
	Total for Account 408.11		**-**	**-**
3	**Other Taxes and Licenses (408.13)**			
	Total for Account 408.13		**-**	**-**

DISTRIBUTION OF INCOME TAXES (Accounts 409-412)

Line No.	Particulars (a)	Amount for This Year (b)	Amount from Preceding Year (c)
1	**Utility Operating Income**		
	409.10 Federal Income Taxes		
	409.11 State Income Taxes		
	409.12 Local Income Taxes		
	412.10 Investment Tax Credits Deferred to Future Periods		
	412.11 Investment Tax Credits Restored to Operating Income		
	Total Charged Operations	-	-
2	**Other Income and Deductions**		
	409.20 Income Taxes		
	412.20 Investment Tax Credits-net-Nonutility Operations		
	412.30 Investment Tax Credits Restored to Nonoperating Income		
	Total Account	-	-
3	Extraordinary Items		
	409.30 Income Taxes		
	Total Extraordinary Items		
	Other Distributions (Specify)		
	Adjustment to Retained Earnings		
	Total	-	-

ACCUMULATED DEFERRED INCOME TAXES (Account 190)

	Particulars (a)	Balance Beginning of Year (b)	Debits (c)	Credit During the Year Charged to		Balance End of Year (f)
				Expense Account (d)	Expense Amount (e)	
1	410.10 Deferred Federal Income Taxes					-
2	410.11 Deferred State Income Taxes					-
3	410.12 Deferred Local Income Taxes					-
4	410.20 Provision for Def. Inc. Taxes, Other Income and Deductions					-
5	411.10 Deferred Income Taxes - cr. - Operating Income					-
6	411.20 Deferred Income Taxes - Cr.					-
7	**Total Distribution of Tax- Acct. 190**	-	-	xxxxx	-	-
8	Notes and Explanation Regarding Distribution of Taxes - Accounts 409-412					
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

RECONCILIATION OF REPORTED NET INCOME WITH TAXABLE INCOME

1. Report hereunder a reconciliation of reported net income for the year with taxable income used in computing Federal income tax accruals and show computation of such tax accruals. The reconciliation should include as far as practicable the same detail as furnished on Schedule M-1 of the tax return for the year. The reconciliation shall be submitted even though there is no taxable income for the year. Descriptions should clearly indicate the nature of each reconciling amount.

2. If the utility is a member of a group which files consolidated Federal tax return, reconcile reported net income with taxable net income as if a separate return were to be filed, indicating , however, inter-company amounts to be eliminated in such consolidated return. State names of group members, tax assigned to each group member, and basis of allocation, assignment, or sharing of the consolidated tax among the group members.

Line No.	Particulars (a)	Amount (b)
1		$
2	Net income for the year per page 100	(224,213)
3	Reconciling items for the year:	
4		
5	Taxable income not reported on books:	
6		
7		
8		
9		
10		
11	Deductions recorded on books not deducted for return:	
12		
13		
14		
15		
16	Income recorded on books not included in return:	
17		
18		
19		
20		
21	Deductions on return not charged against book income:	
22		
23		
24		
25		
26		
27	Federal tax net income	
28		
29	Computation of tax:	
30		
31		
32		
33		
34		
35		
36		
37		
38		

INCOME FROM UTILITY PLANT LEASED TO OTHERS (Account 413)

1. Report below the revenues, expenses, and net income for the year from utility property constituting a distinct operating unit or system leased to others.
2. Designate associated companies by placing an "x" in column (b) opposite the name of the lessee.

Line No.	Name of Lessee, Description and Location of Leased Property (a)	Assoc. Co. (b)	Amount ($) (c)	DEDUCTIONS				Net Income Before Taxes (h)
				Operation (d)	Maintenance (e)	Depreciation (f)	Amortization (g)	
1	**Total Previous Year Amount**							**-**
2	Current Year's Activities:							-
3								-
4								-
5								-
6								-
7								-
8								-
9								-
10	**Total Current Year Amount**		**-**	**-**	**-**	**-**	**-**	**-**

GAIN OR LOSS ON DISPOSITION OF PROPERTY (Account 414)

Give a brief description of property creating gain or loss. Include name of party acquiring the property (if another utility or associated company) and the date transaction was completed.

Line No.	Description of Property (a)	Commission Date Approved (When Required) (b)	Original Cost of Related Property (c)	Amount for this Year (d)	Amount from Preceding Year (e)
1	**Gains:**				
2					
3					
4					
5					
6					
7					
8					
9	**Losses:**				
10					
11					
12					
13					
14					
15					
16	**Net Gain on Disposition of Property (Account 414)**		**-**	**-**	**-**

INCOME FROM MERCHANDISING, JOBBING, AND CONTRACT WORK (Account 415-416)

Please Enter the Cost or Expenses or Deduction as Negative Number

Report by utility departments the revenues, costs, expenses and net income from merchandising, jobbing and contract work during year.

Line No.	Particulars (a)	Amount for this Year (b)	Amount from Preceding Year (c)
1	Account 415 - Revenues		
2	Gross Sales (detail)		
3			
4			
5			
6	**Deductions:**		
7	Discounts and Allowances		
8			
9			
10			
11	**Net Sales**	-	-
12	Account 416 - Costs and Expenses (List the Expenses by		
13	Major Classes)		
14			
15			
16			
17			
18			
19			
20	**Total Costs and Expenses**	-	-
21	**Total for Account 415 & 416**	-	-

INTEREST AND DIVIDEND INCOME (Account 419)

Line No.	Security or Account on Which Received (a)	Interest or Dividend Rate for current year (b)	Amount for This Year (c)	Total Amount from Preceding Year (d)
1	BANK ACCOUNTS	VARIES	151	90
2	MUNICIPAL BOND COMMISSION	VARIES	2,261	2,128
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15	**Total for Account 419**		**2,412**	**2,218**

NONUTILITY INCOME (Account 421)

Line No.	Description of Nonutility Income (a)	Amount for this Year (b)	Amount from Preceding Year (c)
1	Income (Acct. 421, Minor Items May Be Grouped)		
2	CHESAPEAKE REIMBURSEMENT	-	7,225
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14	**Total for Account 421**	**-**	**7,225**

Allowance for Constructions, Misc. Nonutility Exp., and Amortization Exp. (Acct-420, 426, 428, & 429)

Line No.	Nature of Item (a)	Amount For this Year (c)	Amount from Preceding Year (b)
1	**Allowance for Funds Used During Constructions (acct.-420):**		
	Total for Account 420	**-**	**-**
2	**Miscellaneous Nonutility Expenses (acct.-426):**		
	Total for Account 426	**-**	**-**
3	**Amortization of Debt Discount and Expenses (acct.-428):**		
	Total for Account 428	**-**	**-**
4	**Amortization of Premium on Debt (acct.-429):**		
	Total for Account 429	**-**	**-**

INTEREST EXPENSE (Account 427)

REPORT DETAILS OF ITEMS SEPARATELY BY ACCOUNTS

No.	Class of Debt on Which Payable	INTEREST		
		Rate (%)	Amount for this Year	Amount from Preceding Year
	(a)	(b)	(c)	(d)
1	Interest on Debt to Associated Companies (427.1):			
	Total Interest on Debt to Associated Companies		-	-
2	Interest on Short-Term Debt (427.2):			
	Total Interest on Short-Term Debt		-	-
3	Interest on Long-Term Debt (427.3):			
	WDA	7.85%	21,420	23,883
	Total Interest on Long-Term Debt		**21,420**	**23,883**
4	Interest on Customer Deposits (427.4):			
	Total Interest on Customer Deposits		-	-
5	Interest- Other (427.5)			
	Total Interest- Other		-	-
	Total Interest Expense- Account 427		**21,420**	**23,883**

EXTRAORDINARY ITEMS (Accounts 433 and 434)

1. Give below a brief description of each item included in accounts 433, Extraordinary Income and 434, Extraordinary Deductions.

2. List date of Commission approval for extraordinary treatment of item (See General Instruction 7 of the Uniform System of Accounts).

3. Income tax effects relating to each extraordinary Item should be listed in Column (c).

4. For additional space use an additional page.

Line No.	Description of Items (a)	Amount for This Year (b)	Amount from Last Year (c)	Related Income Taxes (d)
1	**Extraordinary Income (Account 433):**			
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20	**Total Extraordinary Income**	-	-	-
21	**Extraordinary Deductions (Account 434):**			
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40	**Total extraordinary deductions**	-	-	-
41	**Net extraordinary items**	-	-	-

WASTEWATER PLANT PER BALANCE SHEET

Line No.	Account (a)		Balance Beginning of Year (b)	Balance End of Year (c)
1				
2		**SUMMARY OF WASTEWATER PLANT**		
3				
4		Balance Sheet Sub accounts		
5	101	Utility Plant in Service (501A-501B)	11,050,407	11,050,407
6	102	Utility Plant Leased to Others (502)	-	-
7	103	Property Held for Future Use (502)	-	-
8	104	Utility Plant Purchased or Sold		
9	105	Construction Work in Progress (504A-504E)	-	-
10	106	Completed Construction not Classified- CLASS A ONLY!		
11	108 & 110	Accum. Depr. and Amort. of Utility Plant in Service (505A)	(5,141,310)	(5,417,443)
12		**Net Wastewater Plant**	**5,909,097**	**5,632,964**
13	114	Utility Plant Acquisition Adjustments (505A)	-	-
14	115	Accum. Amort. of Utility Plant Acquisition Adjustments (505A)	-	-
15	116	Other Utility Plant Adjustments (505A)	-	-
16		Net Other Plant	-	-
17		**Total Net Utility Plant**	**5,909,097**	**5,632,964**

Notes on Plant:

WASTEWATER PLANT IN SERVICE (Accounts 351-398)

1. Report by prescribed accounts the original cost of wastewater plant in service and the additions and retirements of such plant during the year.
2. State in footnote on 801A-801B the general character of any adjustments in column (e).

Line No.	Account (a)	Balance Beginning of Year (b)	(+) Additions (c)	(-) Retirements (d)	(+/-) Adjustments (e)	Balance End of Year (f)
1	**Intangible Plant**					
2						
3	351.1 Organization					-
4	352.1 Franchises					-
5	389.1 Other Plant and Miscellaneous Equipment	1,842				1,842
6	**Total Intangible Plant**	**1,842**	**-**	**-**	**-**	**1,842**
7	**Tangible Plant**					
8	**Collection Plant**					
9	353.2 Land and Land Rights	92,140				92,140
10	354.2 Structures and Improvements					-
11	355.2 Power Generation Equipment					-
12	360.2 Collection Sewers- Force	731,295				731,295
13	361.2 Collection Sewers- Gravity	4,462,439				4,462,439
14	362.2 Special Collecting Structures					-
15	363.2 Services to Customers	35,125				35,125
16	364.2 Flow Measuring Devices					-
17	365.2 Flow Measuring Installations					-
18	389.2 Other Plant and Miscellaneous Equipment					-
19	**Total Collection Plant**	**5,320,999**	**-**	**-**	**-**	**5,320,999**
20						
21	**System Pumping Plant**					
22	353.3 Land and Land Rights					-
23	354.3 Structures and Improvements	132,001				132,001
24	355.3 Power Generation Equipment					-
25	370.3 Receiving Wells					-
26	371.3 Pumping Equipment					-
27	389.3 Other Plant and Miscellaneous Equipment	8,538				8,538
28	**Total System Pumping Plant**	**140,539**	**-**	**-**	**-**	**140,539**

WASTEWATER PLANT IN SERVICE (Accounts 351-398) (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	(+) Additions (c)	(-) Retirements (d)	(+/-) Adjustments (e)	Balance End of Year (f)
1						
2	**Treatment and Disposal Plant**					
3	353.4 Land and Land Rights	95,464				95,464
4	354.4 Structures and Improvements	3,193,195				3,193,195
5	355.4 Power Generation Equipment					-
6	380.4 Treatment and Disposal Equipment	181,198				181,198
7	381.4 Plant Sewers					-
8	382.4 Outfall Sewer Lines					-
9	389.4 Other Plant and Miscellaneous Equipment	1,803,859				1,803,859
10	**Total Treatment and Disposal Plant**	**5,273,716**	**-**	**-**	**-**	**5,273,716**
11						
12						
13						
14	**General Plant**					
15	353.7 Land and Land Rights					-
16	354.7 Structures and Improvements					-
17	390.7 Office Furniture and Equipment	22,607				22,607
18	391.7 Transportation Equipment	150,311				150,311
19	392.7 Stores Equipment					-
20	393.7 Tools, Shop and Garage Equipment					-
21	394.7 Laboratory Equipment					-
22	395.7 Power Operated Equipment					-
23	396.7 Communication Equipment					-
24	397.7 Miscellaneous Equipment	140,393				140,393
25	398.7 Other Tangible Plant					-
26	**Total General Plant**	**313,311**	**-**	**-**	**-**	**313,311**
27						
28	**Total Wastewater Plant**	**11,050,407**	**-**	**-**	**-**	**11,050,407**

UTILITY PLANT LEASED TO OTHERS (Account 102)

1. Report below the information called for concerning wastewater plant leased to others.
2. In column (d) give the date of Commission authorization of the lease of wastewater plant to others.
3. Designate if lessee is an associated company by placing an "x" in column (b).

Line No.	Name of Lessee (a)	Assoc. Co. (b)	Description of Property Leased (c)	Comm. Auth. (d)	Expiration Date of Lease (e)	Total Amount (f)
1	**Balance Beginning of Year**					
2						
3						
4						
5						
6						
7						
8						
9	**End of Year Balance**					-

PROPERTY HELD FOR FUTURE USE (Account 103)

1. Report below the information called for concerning wastewater plant held for future use. Report data as of end of year.
2. Explain important items entered in column (g).

Line No.	Description and Location of Property (a)	Date Originally Included In This Account (b)	Date Expected to be used in Utility Service (c)	Original Cost (d)	Interest Capitalized (e)	Taxes Capitalized (f)	Other Expenditures Capitalized (g)	Amount ($) (h)
1	**Balance Beginning of Year**							
2								-
3								-
4								-
5								-
6								-
7								-
8								-
9								-
10	**End of Year Balance**			-	-	-	-	-

Town of Marmet Sanitary Board	01/00/1900	06/30/2023

WASTEWATER PLANT RETIREMENT AND REPLACEMENT

Report by prescribed accounts the average age and replacement cost

Total Wastewater Plant for columns (b) and (c) should equal page 501B column (f) Line 28 (Balance End of Year), less Land and Intangible Plant.

Replacement Cost (column d) is the cost of replacing each item in columns (b) and (c).

Line No.	Accounts (a)		Balance of Plant older than 15 years ($) (b)	Balance of Plant younger than 15 years ($) (c)	Replacement Cost ($) (d)	Amount To Be Replaced within 5 years ($) (e)
1	**Collection Plant**					
2	354.2	Structures and Improvements				
3	355.2	Power Generation Equipment				
4	360.2	Collection Sewers- Force	731,295			
5	361.2	Collection Sewers- Gravity	4,462,439			
6	363.2	Services to Customers	35,125			
7	364.2	Flow Measuring Devices				
8	365.2	Flow Measuring Installations				
9	389.2	Other Plant and Miscellaneous Equip.	92,140			
10	**Total Collection Plant**		**5,320,999**	-	-	-
11						
12	**System Pumping Plant**					
13	354.3	Structures and Improvements	132,001			
14	355.3	Power Generation Equipment				
15	370.3	Receiving Wells				
16	371.3	Pumping Equipment				
17	389.3	Other Plant and Miscellaneous Equip.	8,538			
18	**Total System Pumping Plant**		**140,539**	-	-	-
19						
20	**Treatment and Disposal Plant**					
21	354.4	Structures and Improvements	3,193,195			
22	355.4	Power Generation Equipment				
23	380.4	Treatment and Disposal Equipment	181,198			
24	381.4	Plant Sewers				
25	382.4	Outfall Sewer Lines				
26	389.4	Other Plant and Miscellaneous Equip.	1,899,323			
27	**Total Treatment and Disposal Plant**		**5,273,716**	-	-	-
28						
29	**General Plant**					
30	354.7	Structures and Improvements	150,311			
31	390.7	Office Furniture and Equipment	22,607			
32	391.7	Transportation Equipment				
33	392.7	Stores Equipment				
34	393.7	Tools, Shop and Garage Equipment				
35	394.7	Laboratory Equipment				
36	395.7	Power Operated Equipment				
37	396.7	Communication Equipment				
38	397.7	Miscellaneous Equipment	140,393			
39	398.7	Other Tangible Plant	1,842			
40	**Total General Plant**		**315,153**	-	-	-
41						
42	**Total Wastewater Plant**		**11,050,407**	-	-	-

CONSTRUCTION WORK IN PROGRESS (Account 105)

1. Report below the particulars called for concerning wastewater plant in process of construction but not ready for service at the date of the balance sheet.
2. Minor projects may be grouped by classes. Show the number of items in each group.

Line No.	Description of Project (a)	Amount (b)	Estimated Total Cost of Project (c)
1	**Balance Beginning of Year**		
2	**List the current year's Activities:**		
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48	Total for this Page	-	-

CONSTRUCTION WORK IN PROGRESS (Account 105)

1. Report below the particulars called for concerning wastewater plant in process of construction but not ready for service at the date of the balance sheet.
2. Minor projects may be grouped by classes. Show the number of items in each group.

Line No.	Description of Project (a)	Amount (b)	Estimated Total Cost of Project (c)
1	**Carried Over from Page 504A**	-	-
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48	**Total this Page**	-	-

CONSTRUCTION WORK IN PROGRESS (Account 105)

1. Report below the particulars called for concerning wastewater plant in process of construction but not ready for service at the date of the balance sheet.
2. Minor projects may be grouped by classes. Show the number of items in each group.

Line No.	Description of Project (a)	Amount (b)	Estimated Total Cost of Project (c)
1	**Carried Over from Page 504B**	-	-
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CONSTRUCTION WORK IN PROGRESS (Account 105)

1. Report below the particulars called for concerning wastewater plant in process of construction but not ready for service at the date of the balance sheet.
2. Minor projects may be grouped by classes. Show the number of items in each group.

Line No.	Description of Project (a)	Amount (b)	Estimated Total Cost of Project (c)
1	**Carried Over from Page 504C**	-	-
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CONSTRUCTION WORK IN PROGRESS (Account 105)

1. Report below the particulars called for concerning wastewater plant in process of construction but not ready for service at the date of the balance sheet.
2. Minor projects may be grouped by classes. Show the number of items in each group.

Line No.	Description of Project (a)	Amount (b)	Estimated Total Cost of Project (c)
1	**Carried Over from Page 504D**	-	-
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48	**Balance End of Year (Account 105)**	-	-

ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF UTILITY PLANT (Account 108-110)

UTILITY PLANT ADJUSTMENTS(Account 114-116)

Line No.	Acct No.	Particulars (a)	Balance Beginning of Year (b)	Plant Retired (Net) And/OR Debits: Debits (c)	Plant Retired (Net) And/OR Debits: Expense Account Charged (d)	Depreciation and Amort. Expense Amount (e)	Credits: Other Accounts Charged (f)	Credits: Other Amount Charged (g)	Balance End of Year (h)
1	108.1	Accumulated Depreciation of Utility Plant in Service	5,141,310			276,133			5,417,443
	108.2	Accumulated Depreciation of Utility Plant Leased to Others							-
	108.3	Accumulated Depreciation or Property Held for Future Use							-
		Total for account 108	**5,141,310**	**-**	**xxxxxxxxxxx**	**276,133**	**xxxxxxxxxxx**	**-**	**5,417,443**
2	110.1	Accumulated Amortization of Utility Plant in Service							-
	110.2	Accumulated Amortization of Utility Plant Leased to Others							-
		Total for account 110	**-**	**-**	**xxxxxxxxxxx**	**-**	**xxxxxxxxxxx**	**-**	**-**
3	114	Utility Plant Acquisition Adjustments							-
		Total for account 114	**-**	**-**	**xxxxxxxxxxx**	**-**	**xxxxxxxxxxx**	**-**	**-**
4	115	Accumulated Amortization of Utility Plant Acquisition Adjustments							-
		Total for account 115	**-**	**-**	**xxxxxxxxxxx**	**-**	**xxxxxxxxxxx**	**-**	**-**
5	116	Other Utility Plant Adjustments							-
		Total for account 116	**-**	**-**	**xxxxxxxxxxx**	**-**	**xxxxxxxxxxx**	**-**	**-**

DEPRECIATION AND AMORTIZATION OF WASTEWATER PLANT (Accounts 403-407)

State below the rules by which the respondent determined the amounts of charges for the depreciation and amortization of wastewater plant. Show the rates used in computing the depreciation and amortization charges for the year, and state if any change has been made in the rates used or methods of determining depreciation and amortization charges from those used for the preceding year.

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OPERATING REVENUES (Account 400)

1. Report below the amount of operating revenue for the year for each prescribed account and the amount from the preceding year
2. List the gallons sold for the current year and preceding year.
3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings are added for billing purposes,one customer shall be counted for each group of meters so added. The average number of customers means the average of the figures at the close of each month or each billing period.
4. Where charges are not dependent on metered water consumption , flat rate revenue accounts apply.

Line No.	Amount (a)	Operating Revenues		Gallons (000 omitted)		Average Number of Customers	
		Amount for Year (b)	Amount from Last Year (c)	Of Water on which Billings Are Based for this Year (d)	Of Water on which Billing Are Based for Previous Year (e)	Number for Year (f)	Number from Last Year (g)
1	**SALES OF WASTEWATER**						
2	**521. Flat Rate Revenues**						
3	521.1 Residential Revenues						
4	521.2 Commercial Revenues						
5	521.3 Industrial Revenues						
6	521.4 Revenues From Public Authorities						
7	521.5 Multiple Family Dwellings						
8	521.6 Other Revenues						
9	**Total Flat Rate Revenues**	**-**	**-**	**-**	**-**	**-**	**-**
10	**522. Measured Revenues**						
11	522.1 Residential Revenue	254,630	224,292	21,243	100,549	573	574
12	522.2 Commercial Revenues	48,763	53,502	6,233	6,349	46	44
13	522.3 Industrial Revenues						
14	522.4 Revenues From Public Authorities	4,967	4,010	620	425	6	6
15	522.5 Multiple Family Dwelling Revenues						
16	**Total Measured Revenues**	**308,360**	**281,804**	**28,096**	**107,323**	**625**	**624**
17	523. Revenues From Public Authorities						
18	524. Revenues From Other Systems	130,545	135,204	75,430	74,511		
19	525. Interdepartmental Revenues	-	-				
20	**Total Sales of Wastewater**	**438,905**	**417,008**	**103,526**	**181,834**	**625**	**624**
21	**OTHER OPERATING REVENUES**						
22	530. Guaranteed Revenues	-	-				
23	531. Sale of Sludge	-	-				
24	532. Forfeited Discounts	-	-				
25	534. Rents From Wastewater Property	-	-				
26	535. Interdepartmental Rents	-	-				
27	536. Other Wastewater Revenues	98,138	43,289				
28	**Total Other Operating Revenues**	**98,138**	**43,289**				
29	**Total Wastewater Operating Revenues**	**537,043**	**460,297**				

SALES OF WASTEWATER TO GENERAL CUSTOMERS - BY MONTHS (Accounts 521-522)

Line No.	Month (or Other Billing Period) (a)	Account 521 - Flat Rate			Account 522 - Measured		
		Revenue (b)	Estimated Gallons Sold (000 Omitted) (c)	Number of Customers (d)	Revenue (e)	Gallons Sold (000 Omitted) (f)	Number of Customers (g)
1	JULY				25,472	2,506	623
2	AUGUST				26,214	2,480	626
3	SEPTEMBER				26,984	2,792	620
4	OCTOBER				25,235	2,460	625
5	NOVEMBER				27,118	2,030	619
6	DECEMBER				25,340	2,353	623
7	JANUARY				25,831	2,420	623
8	FEBRUARY				26,203	2,090	629
9	MARCH				25,195	2,327	629
10	APRIL				26,904	2,117	629
11	MAY				21,899	2,131	625
12	JUNE				25,965	2,390	629
13	**Adjustments made for the year**						
14	**Total**	**-**	**-**	**-**	**308,360**	**28,096**	**625**

BILLING ACCURACY

1	Average number of customers during the reporting period.	625
2	Billing Cycle (monthly, quarterly, semiannually) during the reporting period.	12
	E.g. Monthly: enter 12, Quarterly enter 4, Semiannual: enter 2	
3	Total Number of Bills Generated during the reporting period.	7,500
4	Number of errors - driven billing adjustments during reporting period (# of bills adjusted)	10

Notes on Billing System:

COMMUNITIES SERVED

Line No.	Names of Cities, Towns, and Unincorporated Communities (a)	No. of Customers End of Year (b)	Population Served (c)	Gallons Sold (000 Omitted) (d)	Total Sales (e)
1	TOWN OF MARMET	629	1300	28096	304,000
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WASTEWATER TREATMENT FOR RESALE (Account 524)- BY MONTHS

1. Report below the information specified concerning wastewater treated during the year for other wastewater utilities or public authorities.
2. The quantities reported should be those shown by the bills rendered to the purchasers.
3. The sales should be reported by months or other billing period for each utility.

Line No.	Name of Other Wastewater Utility (a)	Billing Period (b)	Gallons Billed (000) Omitted (c)	Revenue (d)
1	**Total Amount and Gallons Billed from Previous Year**		**74,511**	**135,204**
2	**List Nature of Revenue for current year by Months:**			
3				
4	CHESAPEAKE & PRAXAIR	JULY	8,148	14,962
5		AUGUST	9,063	6,900
6		SEPTEMBER	4,221	12,671
7		OCTOBER	3,741	12,637
8		NOVEMBER	4,616	6,510
9		DECEMBER	5,957	5,717
10		JANUARY	9,236	6,837
11		FEBRUARY	8,312	8,719
12		MARCH	7,024	13,349
13		APRIL	5,943	12,034
14		MAY	5,815	21,989
15		JUNE	3,354	8,220
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37	**Total for Account 524**		**75,430**	**130,545**

INTERDEPARTMENTAL REVENUES (Account 525)

OTHER OPERATING REVENUES(Account 530, 531, 532 and 536)

Line No.	Nature of Revenue (a)	Amount for this Year	Amount from Preceding Year
1	**Interdepartmental Revenues (Account 525):**		
	Total for Account 525	**-**	**-**
2	**Guaranteed Revenues(Account 530):**		
	Total for Account 530	**-**	**-**
3	**Sale of Sludge (Account 531):**		
	Total for Account 531	**-**	**-**
4	**Forfeited Discounts (Account 532):**		
	Total for Account 532	**-**	**-**
5	**Other Wastewater Revenues (Account 536):**		
	RECONNECT/BANK FEES	1,000	500
	CHESAPEAKE BOND PAYMENTS	41,110	35,563
	CHESAPEAKE REPAYMENT	-	7,226
	REIMBURSEMENTS	871	-
	TRANSFER FROM WORKING CAPITAL	55,157	-
	Total for Account 536	**98,138**	**43,289**

OTHER OPERATING REVENUES- CONTINUED

RENTS FROM WASTEWATER PROPERTY (Account 534)

INTERDEPARTMENTAL RENTS(Account 535)

1. Report below rents received during the year for the use by others of property devoted to water operations by the utility.

2. Minor Rents may be entered at the total amount for each class of such rents.

3. If rents are included which were arrived at under an arrangement for apportioning expenses of a joint facility, whereby the amount included in this account represents profit or return on property, depreciation, and taxes, give particulars and the basis of apportionment of such charges to this account.

Line No.	Name of Lessee (a)	Description of Property (b)	Amount for this Year (c)	Amount from Preceding Year (d)
1	**Rent Revenues (account - 534)**			
	Total for Account 534		-	-
2	**Interdepartmental Rent Revenues (account - 535)**			
	Total for Account 535		-	-

WASTEWATER OPERATION AND MAINTENANCE EXPENSES

Line No.	Account (a)	Schedule Page No. (b)	Amount for Year (c)	Amount from Preceding Year (d)
1	**COLLECTION EXPENSES**			
2	Operation			
3	701.1 Salaries and Wages - Employees	606A	-	29,754
4	703.1 Salaries and Wages - Officers, Directors and Majority Stockholders	606C	-	-
5	704.1 Employee Pensions and Benefits	607	-	-
6	715.1 Purchased Power	607B	-	-
7	716.1 Fuel for Power Productions	607B	-	-
8	718.1 Chemicals	607B	-	-
9	720.1 Materials and Supplies	607B	31,260	-
10	731.1-736.1 Contractual Services	608-608E	20,320	-
11	741.1 Rental of Building/Real Property	607	-	-
12	742.1 Rental of Equipment	607	-	-
13	750.1 Transportation Expenses	607	-	-
14	756.1-759.1 Insurance	607A	-	-
15	767.1 Regulatory Commission Expense - Other	605	-	-
16	775.1 Miscellaneous Expenses	605	-	-
17	**Total Operation**		**51,580**	**29,754**
18	Maintenance			
19	701.2 Salaries and Wages - Employees	606A	-	-
20	703.2 Salaries and Wages - Officers, Directors and Majority Stockholders	606C	-	-
21	704.2 Employee Pensions and Benefits	607	-	-
22	718.2 Chemicals	607B	-	-
23	720.2 Materials and Supplies	607B	-	-
24	731.2-736.2 Contractual Services	608 - 608E	-	-
25	741.2 Rental of Building/Real Property	607	-	-
26	742.2 Rental of Equipment	607	-	-
27	750.2 Transportation Expenses	607	-	-
28	756.2-759.2 Insurance	607A	-	-
29	767.2 Regulatory Commission Expense - Other	605	-	-
30	775.2 Miscellaneous Expense	605	-	-
31	**Total Maintenance**		**-**	**-**
32				
33	**Total Collection Expenses**		**51,580**	**29,754**
34	**PUMPING EXPENSES**			
35	Operation			
36	701.3 Salaries and Wages - Employees	606A	-	-
37	703.3 Salaries and Wages - Officers, Directors and Majority Stockholders	606C	-	-
38	704.3 Employee Pensions and Benefits	607	-	-
39	715.3 Purchased Power	607B	15,413	20,356
40	716.3 Fuel for Power Production	607B	-	-
41	718.3 Chemicals	607B	-	-
42	720.3 Materials and Supplies	607B	-	-
43	731.3-736.3 Contractual Services	608 - 608E	-	-
44	741.3 Rental of Building/Real Property	607	-	-
45	742.3 Rental of Equipment	607	-	-
46	750.3 Transportation Expenses	607	-	-
47	756.3-759.3 Insurance	607A	-	-
48	767.3 Regulatory Commission Expense - Other	605	-	-
49	775.3 Miscellaneous Expenses	605	-	-
50	**Total Operation**		**15,413**	**20,356**
51	Maintenance			
52	701.4 Salaries and Wages - Employees	606A	-	-
53	703.4 Salaries and Wages - Officers, Directors and Majority Stockholders	606C	-	-
54	704.4 Employee Pensions and Benefits	607	-	-
55	718.4 Chemicals	607B	-	-
56	720.4 Materials and Supplies	607B	10,422	6,766
57	731.4-736.4 Contractual Services	608 - 608E	-	-
58	741.4 Rental of Building/Real Property	607	-	-
59	742.4 Rental of Equipment	607	-	
60	750.4 Transportation Expenses	607	-	-
61	756.4-759.4 Insurance	607A	-	-
62	767.4 Regulatory Commission Expense - Other	605	-	-
63	775.4 Miscellaneous Expenses	605	-	-
64	**Total Maintenance**		**10,422**	**6,766**
65	**Total Pumping Expenses**		**25,835**	**27,122**

WASTEWATER OPERATION AND MAINTENANCE EXPENSES (Continued)

Line No.	Account (a)	Schedule Page No. (b)	Amount for the Year (c)	Amount from Preceding Year (d)
1	**TREATMENT AND DISPOSAL EXPENSES**			
2	Operation			
3	701.5 Salaries and Wages - Employees	606A	84,328	80,401
4	703.5 Salaries and Wages - Officers, Directors and Majority Stockholders	606C	-	-
5	704.5 Employee Pensions and Benefits	607	48,204	-
6	710.5 Purchased Wastewater Treatment	604	-	-
7	711.5 Sludge Removal Expense	607B	3,298	7,744
8	715.5 Purchased Power	607B	60,228	50,531
9	716.5 Fuel for Power Production	607B	-	-
10	718.5 Chemicals	607B	-	-
11	720.5 Materials and Supplies	607B	25,795	16,203
12	731.5-736.5 Contractual Services	608 - 608E	5,152	4,141
13	741.5 Rental of Building/Real Property	607	-	-
14	742.5 Rental of Equipment	607	-	-
15	750.5 Transportation Expenses	607	15,951	5,282
16	756.5-759.5 Insurance	607A	22,420	-
17	767.5 Regulatory Commission Expense - Other	605	-	-
18	775.5 Miscellaneous Expenses	605	-	-
19	**Total Operation**		**265,376**	**164,302**
20	Maintenance			
21	701.6 Salaries and Wages - Employees	606A	-	-
22	703.6 Salaries and Wages - Officers, Directors and Majority Stockholders	606C	-	-
23	704.6 Employee Pensions and Benefits	607	-	-
24	711.6 Sludge Removal Expense	607B	-	-
25	718.6 Chemicals	607B	-	-
26	720.6 Materials and Supplies	607B	31,243	56,645
27	731.6-736.6 Contractual Services	608 - 608E	-	-
28	741.6 Rental of Building/Real Property	607	-	-
29	742.6 Rental of Equipment	607	-	-
30	750.6 Transportation Expenses	607	-	-
31	756.6-759.6 Insurance	607A	-	-
32	767.6 Regulatory Commission Expense - Other	605	-	-
33	775.6 Miscellaneous Expenses	605	-	-
34	**Total Maintenance**		**31,243**	**56,645**
35	**Total Treatment and Disposal Expenses**		**296,619**	**220,947**
36	**CUSTOMER ACCOUNTS EXPENSES**			
37	701.7 Salaries and Wages - Employees	606A	-	-
38	703.7 Salaries and Wages - Officers, Directors and Majority Stockholders	606C	-	-
39	704.7 Employee Pensions and Benefits	607	-	-
40	715.7 Purchased Power	607B	-	-
41	716.7 Fuel for Power Production	607B	-	-
42	720.7 Materials and Supplies	607B	-	-
43	731.7-736.7 Contractual Services	608 - 608E	26,638	19,198
44	741.7 Rental of Building/Real Property	607	-	-
45	742.7 Rental of Equipment	607	-	-
46	750.7 Transportation Expenses	607	-	-
47	756.7-759.7 Insurance	607A	-	-
48	767.7 Regulatory Commission Expense - Other	605	-	-
49	770.7 Bad Debt Expense	607	-	-
50	775.7 Miscellaneous Expense	605	-	-
51	**Total Customer Accounts Expenses**		**26,638**	**19,198**
52	**ADMINISTRATIVE AND GENERAL EXPENSES**			
53	701.8 Salaries and Wages - Employees	606A	47,780	4,822
54	703.8 Salaries and Wages - Officers, Directors and Majority Stockholders	606C	4,200	4,200
55	704.8 Employee Pensions and Benefits	607	-	28,950
56	715.8 Purchased Power	607B	-	-
57	716.8 Fuel for Power Production	607B	-	-
58	720.8 Materials and Supplies	607B	-	1,621
59	731.8-736.8 Contractual Services	608 - 608E	-	-
60	741.8 Rental of Building/Real Property	607	-	-
61	742.8 Rental of Equipment	607	-	-
62	750.8 Transportation Expenses	607	-	-
63	756.8-759.8 Insurance	607A	-	29,239
64	760.8 Advertising Expense	607	-	144
65	766.8 Regulatory Commission Expenses - Amortization of Rate Case Expense	605	-	-
66	767.8 Regulatory Commission Expenses - Other	605	-	-
67	775.8 Miscellaneous Expenses	605	1,591	2,173
68	**Total Administrative and General Expenses**		**53,571**	**71,149**
69	**TOTAL OPERATING EXPENSES**		**454,243**	**368,170**

PURCHASED WASTEWATER TREATMENT (Account 710.5)

1. Report below the information concerning wastewater treatment purchased during the year.
2. The quantities reported should be those shown by the bills rendered by the vendor.
3. The purchases should be reported by months or other billing period for each vendor.
4. Attach continuation sheets as necessary.
5. **Report the amount (Cost) for the previous year.**

Line No.	Name of Vendor (a)	Billing Period (b)	Gallons Purchased (000 Omitted) (c)	Amount (d)
1	Total Amount from Previous Year			
2	**List current year's activities by Months**			
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29				
30				
31				
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33				
34				
35				
36				
37				
38				
39				
40				
41				
42	**Total Current Amount for Account 710.5**		-	-

REGULATORY COMMISSION EXPENSES (Account 766.8 and 767.1-767.8)

Line No.	Description of Case (a)	Amortization of Rate Case Expense (Admin. & General Expenses) 766.8 (b) $	Other (Collection Expenses-Operations) 767.1 (c) $	Other (Collection Expenses-Maintenance) 767.2 (d) $	Other (Pumping Expenses-Operations) 767.3 (e) $	Other (Pumping Expenses-Maintenance) 767.4 (f) $	Other (Treat. & Disp. Expenses - Operations) 767.5 (g) $	Other (Treat. & Disp. Expenses - Maintenance) 767.6 (h) $	Other (Customer Accounts Expenses) 767.7 (b) $	Other (Admin. & General Expenses) 767.8 (c) $
1	**Amount from Previous Year**									
2	**List current year's activities:**									
3										
4										
5										
6										
7										
8										
9										
10										
	Total Amount for Year	-	-	-	-	-	-	-	-	-

MISCELLANEOUS EXPENSES (Account 775)

Line No.	Description (a)	Collection Expenses-Operations 775.1 (b) $	Collection Expenses-Maint. 775.2 (c) $	Pumping Expenses-Operations 775.3 (d) $	Pumping Expenses-Maint. 775.4 (e) $	Treat. & Disp. Expenses-Operations 775.5 (f) $	Treat. & Disp. Expenses-Maint. 775.6 (g) $	Customer Accounts Expenses-Operations 775.7 (b) $	Admin. & General Expenses-Maint. 775.8 (c) $
1	**Amount from Previous Year**								2,173
2	**List current year's activities:**								
3	BOND ADMIN FEES								816
4	MBC FEES								225
5	TRAINING & EDUCATION								510
6	BANK CHARGES								40
7									
8									
9									
10									
	Total Amount for Year	-	-	-	-	-	-	-	**1,591**

SALARIES & WAGES - EMPLOYEES (Account 701.1-701.8)

Line No.	Account	Salaries for this Year	Salaries for Preceding Year
1	701.1 Collection Expenses - Operations	-	29,754
2	701.2 Collection Expenses - Maint.		
3	701.3 Pumping Expenses - Operations		
4	701.4 Pumping Expenses - Maint.		
5	701.5 Treat. & Disp. Expenses - Operations	84,328	80,401
6	701.6 Treat. & Disp. Expenses - Maint.		
7	701.7 Customer Accounts Expenses		
8	701.8 Admin. & General Expenses	47,780	4,822
9	**Total Employees**	**132,108**	**114,977**

Number of Employees
Note: One full time equivalent employee = 2080 hours of work per year

	Account	Full Time	Contract
1	**Total number of Operation and maintenance employees**	2.50	
2	**Total number of employees engaged in customer billing and collection**		
3	**Total number of employees engaged in administrative function**		
4	**Total**	**2.50**	**-**

DISTRIBUTION OF SALARIES AND WAGES

Amounts originally charged to clearing accounts should be distributed to final classifications in column (c). Estimates may be used in such distribution provided that a reasonable approximation of final classification is obtained.

Line No.	Particulars (a)	Direct Payroll Distributions (b)	Allocation of Amounts Charged Clearing Accounts (c)	Total (d)
1	Wastewater Operation & Maintenance Expense			-
2	Total Merchandise and Jobbing			-
3	Total Utility Plant Construction			-
4	Total Utility Plant Retirements			-
5	Total All Other Accounts			-
6	Clearing Accounts			-
7	**TOTAL SALARIES & WAGES**	**-**		**-**

8 Describe here under the general bases used in allocating to utility departments the several classes of expenses and salaries:

9
10
11
12
13

Town of Marmet Sanitary Board 01/00/1900 06/30/2023

SALARIES & WAGES - OFFICERS, DIRECTORS AND MAJORITY STOCKHOLDERS (Account 703.1-703.8)

Line No.	Particulars	703.1 Collection Expenses - Operations $	703.2 Collection Expenses - Maint. $	703.3 Pumping Expenses - Operations $	703.4 Pumping Expenses - Maint. $	703.5 Treat. & Disp. Expenses - Operations $	703.6 Treat. & Disp. Expenses - Maint. $	703.7 Customer Accounts Expenses $	703.8 Admin. & General Expenses $
	Grand Total Compensation from Preceding Year:								4,200
	List the Current year's Activities:								
1	**Name:** DAVID FONTALBERT								
	Title: CHAIRMAN								
	Address: MARMET, WV								
	Term: 7/1/21-6/30/25								
	Total Compensation for current Year.:								1,800
2	**Name:** DAVID HUDSON								
	Title: MEMBER								
	Address: MARMET, WV								
	Term: 7/1/21-6/30/25								
	Total Compensation for current Year.:								1,200
3	**Name:** WALLACE CLARK								
	Title: MEMBER								
	Address: MARMET, WV								
	Term: 7/1/21-6/30/25								
	Total Compensation for current Year.:								1,200
4	**Name:**								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
5	**Name:**								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
6	**Name:**								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
7	**Name:**								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
	Total current year's Compensation for Schedule 606B .	-	-	-	-	-	-	-	4,200

SALARIES & WAGES - OFFICERS, DIRECTORS AND MAJORITY STOCKHOLDERS (Account 703.1-703.8) - Continued

Line No.	Particulars	703.1 Collection Expenses - Operations $	703.2 Collection Expenses - Maint. $	703.3 Pumping Expenses - Operations $	703.4 Pumping Expenses - Maint. $	703.5 Treat. & Disp. Expenses - Operations $	703.6 Treat. & Disp. Expenses - Maint. $	703.7 Customer Accounts Expenses $	703.8 Admin. & General Expenses $
	Balance Carried over from Page 606B	-	-	-	-	-	-	-	4,200
8	Name:								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
9	Name:								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
10	Name:								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
11	Name:								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
12	Name:								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
13	Name:								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
14	Name:								
	Title:								
	Address:								
	Term:								
	Total Compensation for current Year.:								
	Final Total Compensation for the Current Year (schedule 606B and 606C)	-	-	-	-	-	-	-	4,200

EMPLOYEE HEALTH, SAFETY, AND TRAINING HOURS

Report Total hours worked, total hours away from work due to work related injury and total hours of qualified formal training hours for all employees. Excludes contract workers.

Line no.			
1	1	**Employee Health and Safety Severity Rate**	
2		**Description:**	
3		Quantifies the rate of employee days lost from work due to work related illness or injury.	
4			
5	a	Total hours away from work by all employees due to work related injury	0.00
6	b	Total hours worked by all employees during the reporting period	6,240.00
7			
8	2	**Training Hours Per Employee**	
9			
10		*Qualified training is training that has been approved by the WV BPH, is documented by the utility	
11		outline, attendance roster and a qualified instructor, professional licensing certification	
12		requirements, through a training professional or is from an accredited institution development	
13		courses where a certificate is obtained upon the successful completion of the course	
14		or is from an accredited institution	
15			
16	a	Total of qualified * formal training hours for all employees	36.00
17	b	Total hours worked by employees during the reporting period	6,240.00
18			
19		Notes: Employee Health, Safety, and Training	
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Town of Marmet Sanitary Board 01/00/1900 06/30/2023

Employee Pension, Rental of Building, Real Property, and Equipment, Transportation Exp., Bad Debt Expense, Advertising Expense

1. List the Preceding year's amount for SubAccounts 704-760.
2. List the Current Year's Activities for SubAccounts 704-760
3. Provide additional note on Schedule 801A-801B, if any.

Line No.	Accounts- Description	SubAcct. .1 Collection Expenses - Operations $	SubAcct. .2 Collection Expenses - Maint. $	SubAcct. .3 Pumping Expenses - Operations $	SubAcct. .4 Pumping Expenses - Maint. $	SubAcct. .5 Treat. & Dist. Expenses - Operations $	SubAcct. .6 Treat. & Dist. Expenses - Maint. $	SubAcct. .7 Customer Accounts Expenses $	SubAcct. 8 Admin. & General Expenses $
1	**Employee Pensions and Benefits(acct.-704)**								
	Total amount from Preceding Year								**28950**
	Current Year's Activities:								
						48204			
	Total Current Balance for Year for SubAcct -704	-	-	-	-	**48,204**	-	-	-
2	**Rental of Building/Real Property-acct.-741 (provide Lessor's name and description)**								
	Total amount from Preceding Year								
	Current Year's Activities:								
	Total Current Balance for Year for SubAcct -741	-	-	-	-	-	-	-	-
3	**Rental Equipment(acct.-742)**								
	Total amount from Preceding Year								
	Current Year's Activities:								
	Total Current Balance for Year for SubAcct 742	-	-	-	-	-	-	-	-
4	**Transportation Expenses(acct.-750)**								
	Total amount from Preceding Year					**5282**			
	Current Year's Activities:								
	repairs					7153			
	GAS & DIESEL					8798			
	Total Current Balance for Year for SubAcct -750	-	-	-	-	**15,951**	-	-	-
5	**Advertising Expense(acct.-760)**								
	Total amount from Preceding Year								**144**
	Current Year's Activities:								
	Total Current Balance for Year for SubAcct -760								-
6	**Bad Debt Expense(acct.-770)**								
	Total amount from Preceding Year								
	Current Year's Activities:								
	Total Current Balance for Year for SubAcct -770							-	

INSURANCE (Accounts: (756.1-756.8), (757.1-757.8), (758.1-758.8), (759.1-759.8))

1. List the Preceding year's amount for SubAccounts 756-759.
2. List the Current Year's amount for SubAccounts -756-759.
3. Provide additional note on Schedule 801A-801B, if any.

Line No.	Accounts- Description	SubAcct. .1 Collection Expenses - Operations $	SubAcct. .2 Collection Expenses - Maint. $	SubAcct. .3 Pumping Expenses - Operations $	SubAcct. .4 Pumping Expenses - Maint. $	SubAcct. .5 Treat. & Disp. Expenses - Operations $	SubAcct. .6 Treat. & Disp. Expenses - Maint. $	SubAcct. .7 Customer Accounts Expenses $	SubAcct. .8 Admin. & General Expenses $
1	**Insurance - Vehicle acct. 756 (give description):**								
	Total Amount from Previous Year:								
	Current Year's Activities:								
	Total for Current Year for SubAcct -756	-	-	-	-	-	-	-	-
2	**Insurance -acct. 757- General Liability (give description):**								
	Total Amount from Previous Year:								**22,540**
	Current Year's Activities:								
	TRAVELLERS								
						16,393			-
	Total Current Balance for Year for SubAcct -757	-	-	-	-	**16,393**	-	-	-
3	**Insurance - Workman's Comp. acct. 758 (give description):**								
	Total Amount from Previous Year:								**6,699**
	Current Year's Activities:								
						6,027			
	Total Current Balance for Year for SubAcct -758	-	-	-	-	**6,027**	-	-	-
4	**Insurance - Other -acct. 759 (give description):**								
	Total Amount from Previous Year:								
	Current Year's Activities:								
	Total Current Balance for Year for SubAcct -759	-	-	-	-	-	-	-	-
	Total Current Balance of All Accounts	-	-	-	-	**22,420**	-	-	-

OPERATING AND MAINTENANCE EXPENSES
PURCHASED POWER , FUEL FOR POWER PRODUCTION, CHEMICALS, AND MATERIAL & SUPPLIES

1. List the Preceding year's amount for SubAccounts - 711-720.
2. List the Current Year's amount for SubAccounts - 711-720.
3. Provide additional note on Schedule 801A-801B, if any.

Line No.	Accounts- Description	.1 Collection Expenses - Operations $	.2 Collection Expenses - Maint. $	.3 Pumping Expenses - Operations $	.4 Pumping Expenses - Maint. $	.5 Treat. & Disp. Expenses - Operations $	.6 Treat. & Disp. Expenses - Maint. $	.7 Customer Accounts Expenses $	.8 Admin. & General Expenses $
2	**711 Sludge Removal Expense**								
	Total amount from Preceding Year					**7,744**			
	Current Year's Activities:								
						3,298			
	Total for Current Year for SubAcct-711					**3,298**	**-**		
3	**715 Purchased Power**								
	Total amount from Preceding Year			**20,356**		**50,531**			
	Current Year's Activities:								
				15,413		60,228			
	Total for Current Year for SubAcct-715	**-**		**15,413**		**60,228**		**-**	**-**
4	**716 Fuel for Power Production**								
	Total amount from Preceding Year								
	Current Year's Activities:								
	Total for Current Year for SubAcct-716	**-**		**-**		**-**		**-**	**-**
5	**718 Chemicals**								
	Total amount from Preceding Year								
	Current Year's Activities:								
	Total for Current Year for SubAcct-718	**-**	**-**	**-**	**-**	**-**	**-**		
6	**720 Material and Supplies**								
	Total amount from Preceding Year	**-**			**6,766**	**16,203**	**56,645**		**1,621**
	Current Year's Activities:								
		31,260			10,422	25,795	31,243		-
	Total for Current Year for SubAcct-720	**31,260**	**-**	**-**	**10,422**	**25,795**	**31,243**	**-**	**-**

CONTRACTUAL SERVICES - ENGINEERING (Account 731)

1. List the Preceding year's amount for SubAccounts 731.
2. List the Current Year's amount for SubAccounts - 731.
3. Provide additional note on Schedule 801A-801B, if any.

Line No.	Accounts- Description		.1 Collection Expenses - Operations $	.2 Collection Expenses - Maint. $	.3 Pumping Expenses - Operations $	.4 Pumping Expenses - Maint. $	.5 Treat. & Disp. Expenses - Operations $	.6 Treat. & Disp. Expenses - Maint. $	.7 Customer Accounts Expenses $	.8 Admin. & General Expenses $
1	**Contractual Services- Engineering**									
	Total amount from Preceding Year									-
	Current Year's Activities:									
	Company:	POTESTA & ASSOCIATES								
	Service:	ENGINEERING								
	Charge Basis:	HOURLY								
	Contract Date:									
	Contract Term:									
	Total Amount ($)		20,320							-
2	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
3	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
4	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
5	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
	Final Total for Account 731		20,320	-	-	-	-	-	-	-

CONTRACTUAL SERVICES - ACCOUNTING (Account 732)

1. List the Preceding year's amount for SubAccounts 732.
2. List the Current Year's amount for SubAccounts 732.
3. Provide additional note on Schedule 801A-801B, if any.

Line No.	Accounts- Description	.1 Collection Expenses - Operations $	.2 Collection Expenses - Maint. $	.3 Pumping Expenses - Operations $	.4 Pumping Expenses - Maint. $	.5 Treat. & Disp. Expenses - Operations $	.6 Treat. & Disp. Expenses - Maint. $	.7 Customer Accounts Expenses $	.8 Admin. & General Expenses $
1	**Contractual Services - Accounting**								
	Total amount from Preceding Year								
	Current Year's Activities:								
	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
2	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
3	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
4	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
5	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
	Final Total for Account 732	-	-	-	-	-	-	-	-

CONTRACTUAL SERVICES - LEGAL (Account 733)

1.List the Preceding year's amount for SubAccounts 733.
2. List the Current Year's amount for SubAccounts 733.
3. Provide additional note on Schedule 801A-801B, if any.

Line No.	Accounts- Description	.1 Collection Expenses - Operations $	.2 Collection Expenses - Maint. $	.3 Pumping Expenses - Operations $	.4 Pumping Expenses - Maint. $	.5 Treat. & Disp. Expenses - Operations $	.6 Treat. & Disp. Expenses - Maint. $	.7 Customer Accounts Expenses $	.8 Admin. & General Expenses $
1	**Contractual Services- Legal**								
	Total amount from Preceding Year								
	Current Year's Activities:								
	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
2	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
3	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
4	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
5	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
	Final Total for Account 733	-	-	-	-	-	-	-	-

CONTRACTUAL SERVICES - MANAGEMENT FEES (Account 734)

1.List the Preceding year's amount for SubAccounts 734.
2. List the Current Year's amount for SubAccounts 734.
3. Provide additional note on Schedule 801A-801B, if any.

Line No.	Accounts- Description	.1 Collection Expenses - Operations $	.2 Collection Expenses - Maint. $	.3 Pumping Expenses - Operations $	.4 Pumping Expenses - Maint. $	.5 Treat. & Disp. Expenses - Operations $	.6 Treat. & Disp. Expenses - Maint. $	.7 Customer Accounts Expenses $	.8 Admin. & General Expenses $
1	**Contractual Services- Management Fees**								
	Total amount from Preceding Year								
	Current Year's Activities:								
	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
2	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
3	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
4	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
5	Company:								
	Service:								
	Charge Basis:								
	Contract Date:								
	Contract Term:								
	Total Amount($)								
	Final total for Account 734	-	-	-	-	-	-	-	-

CONTRACTUAL SERVICES - TESTING (Account 735)

1. List the Preceding year's amount for SubAccounts 735.
2. List the Current Year's amount for SubAccounts 735.
3. Provide additional note on Schedule 801A-801B, if any.

Line No.	Accounts- Description		.1 Collection Expenses - Operations $	.2 Collection Expenses - Maint. $	.3 Pumping Expenses - Operations $	.4 Pumping Expenses - Maint. $	.5 Treat. & Disp. Expenses - Operations $	.6 Treat. & Disp. Expenses - Maint. $	.7 Customer Accounts Expenses $	.8 Admin. & General Expenses $
1	**Contractual Services- Testing**									
	Total amount from Preceding Year						4,141			
	Current Year's Activities:									
	Company:	ALS GROUP								
	Service:	LAB ANALYSIS								
	Charge Basis:	PER TEST								
	Contract Date:									
	Contract Term:									
	Total Amount($)						5,152			
2	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
3	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
4	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
5	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
	Final Total for Account 735		-	-	-	-	5,152	-	-	-

CONTRACTUAL SERVICES - OTHER (Account 736)

1.List the Preceding year's amount for SubAccounts 736.
2. List the Current Year's amount for SubAccounts 736.

3. Provide additional note on Schedule 801A-801B, if any.

Line No.	Accounts- Description		.1 Collection Expenses - Operations $	.2 Collection Expenses - Maint. $	.3 Pumping Expenses - Operations $	.4 Pumping Expenses - Maint. $	.5 Treat. & Disp. Expenses - Operations $	.6 Treat. & Disp. Expenses - Maint. $	.7 Customer Accounts Expenses $	.8 Admin. & General Expenses $
1	**Contractual Services- Other**									
	Total amount from Preceding Year								19,198	
	Current Year's Activities:									
	Company:	KANAWHA PSD								
	Service:	BILLING								
	Charge Basis:	PER BILL								
	Contract Date:									
	Contract Term:									
	Total Amount($)								18,487	-
2	Company:	AMERICAN WATER								
	Service:	READINGS/SHUT OFF/RECONNECT								
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)								8,151	
3	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
4	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
5	Company:									
	Service:									
	Charge Basis:									
	Contract Date:									
	Contract Term:									
	Total Amount($)									
	Final Total for Account 736		-	-	-	-	-	-	26,638	-

CONSTRUCTION CLEARANCES

Line No.	Name of Overhead (a)	Undistributed Overheads Beginning of Year (b)	Overheads for Year (c)	Undistributed Overheads End of Year (d)	Overheads Cleared During Year		
					Total Clearances (b+c-d) (e)	To Construction (f)	To Other Accounts (g)
1	Direct Charges:						
2	Company Labor				-		
3							
4	Company Materials				-		
5							
6	Contractor Payments				-		
7							
8	Other (specify)						
9					-		
10					-		
11					-		
12					-		
13					-		
14	**Total Direct Charges**	**-**	**-**	**-**	**-**	**-**	**-**
15	Overheads:						
16	Engineering and Supervision				-		
17							
18	Administrative and General				-		
19							
20	Taxes				-		
21							
22	Allowance for Funds Used				-		
23							
24	Other (specify)						
25					-		
26					-		
27					-		
28					-		
29	**Total Overheads**	**-**	**-**	**-**	**-**	**-**	**-**
30	**Total Construction Clearances**	**-**	**-**	**-**	**-**	**-**	**-**

IMPORTANT PHYSICAL CHANGES DURING THE YEAR

Every item must be fully answered and if there have been no changes, that fact should be stated.

1. Important pumping station equipment installed.

NONE

2. Important pumping station equipment retired.

NONE

3. Other important improvements.

NONE

4. All other important physical changes.

NONE

NOTES TO POWER, PUMPING AND PURCHASED WATER STATISTICS

Pumping Station Equipment? _____ YES _____ NO

PUMPING STATION EQUIPMENT

Use separate columns for each pump associated power equipment. Use insert sheets if necessary. For pumps, use only those lines applicable to the unit.

	PARTICULARS (a)	(b)	(c)	(d)	(e)
1	**PUMPING EQUIPMENT**				
2	Identification number or description of pump station	81ST STREET	87TH STREET		
3	Identification number, description, etc. of each pump	A & B	A & B	A & B	A & B
4	Type (displacement, centrifugal, air lift, ejector, etc.)	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
5	Purpose of pump (collection, plant, etc.)	COLLECTION	COLLECTION	COLLECTION	COLLECTION
6	Manufacturer	FLYGT	FLYGT	FLYGT	FLYGT
7	Rated capacity - gallons per minute	200 GPM	250	250	35
8	Discharge head - in feet	56	54	49	10
9	Revolutions or strokes per minute	3000	3000	3000	3000
10	Type station (dry well, wet well, other)	WET WELL	WET WELL	WET WELL	WET WELL
11	Wet well dimensions (depth and length x width or diameter)	30' DIAMETER	30' DIAMETER	30' DIAMETER	10' DIAMETER
12	Number of hours operated during year	1200	1200	1200	1200
13	**POWER EQUIPMENT**				
14	Motive power for pump (steam, internal comb. engine,				
15	electric motor, or water turbine):				
16	Type	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
17	Manufacturer	FLYGT	FLYGT	FLYGT	
18	Rated horsepower	10	10	10	5
19	Electric generators or Emergency pumping units:				
20	Identification number or description	DGHE	DGHE	DGHE	
21	Manufacturer	CUMMINS	CUMMINS	CUMMINS	
22	Motive power (steam, internal comb. engine, hydraulic)	DIESEL	DIESEL	DIESEL	
23	Rated capacity in Kilowatt or KVA	50	50	50	
24	Rated capacity in GPM				
25	Air compressors:				
26	Identification number or description	YES	YES	YES	
27	Manufacturer	NO	NO	NO	
28	Bore and stroke or rated delivery (CFM)	NO	NO	NO	
29	Submergence of air lift in feet, static	DEO BLOCK	DEO BLOCK	DEO BLOCK	
30	Miscellaneous:				
31	Odor control equipment (yes / no)				
32	Emergency pumping connection (yes / no)				
33	Wet well aeration (yes / no)				
34	Other (yes / no)				

PUMPING STATION EQUIPMENT

Use separate columns for each pump associated power equipment. Use insert sheets if necessary. For pumps, use only those lines applicable to the unit.

	PARTICULARS (a)	(b)	(c)	(d)	(e)
1	**PUMPING EQUIPMENT**				
2	Identification number or description of pump station	HUDSON GARAGE	SUMMIT DRIVE #1	SUMMIT DRIVE #2	SUMMIT DRIVE #3
3	Identification number, description, etc. of each pump	A & B	A & B	A & B	A & B
4	Type (displacement, centrifugal, air lift, ejector, etc.)	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
5	Purpose of pump (collection, plant, etc.)	COLLECTION	COLLECTION	COLLECTION	COLLECTION
6	Manufacturer	FLYGT	ENVIRONMENT	ENVIRONMENT	FLYGT
7	Rated capacity - gallons per minute	35	35	35	35
8	Discharge head - in feet	10	10	10	30
9	Revolutions or strokes per minute	3000	1750	1750	3000
10	Type station (dry well, wet well, other)	WET WELL	WET WELL	WET WELL	WET WELL
11	Wet well dimensions (depth and length x width or diameter)	10' DIAMETER	42"X96"	42"X96"	10' DIAMETER
12	Number of hours operated during year	1200	40	40	1200
13	**POWER EQUIPMENT**				
14	Motive power for pump (steam, internal comb. engine,				
15	electric motor, or water turbine):				
16	Type	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
17	Manufacturer		ENVIRONMENT	ENVIRONMENT	ENVIRONMENT
18	Rated horsepower	3	1	1	3
19	Electric generators or Emergency pumping units:				
20	Identification number or description				
21	Manufacturer				
22	Motive power (steam, internal comb. engine, hydraulic)				
23	Rated capacity in Kilowatt or KVA				
24	Rated capacity in GPM				
25	Air compressors:				
26	Identification number or description				
27	Manufacturer				
28	Bore and stroke or rated delivery (CFM)				
29	Submergence of air lift in feet, static				
30	Miscellaneous:				
31	Odor control equipment (yes / no)				
32	Emergency pumping connection (yes / no)				
33	Wet well aeration (yes / no)				
34	Other (yes / no)				

PUMPING STATION EQUIPMENT

Use separate columns for each pump associated power equipment. Use insert sheets if necessary. For pumps, use only those lines applicable to the unit.

	PARTICULARS (a)	(b)	(c)	(d)	(e)
1	**PUMPING EQUIPMENT**				
2	Identification number or description of pump station				
3	Identification number, description, etc. of each pump				
4	Type (displacement, centrifugal, air lift, ejector, etc.)				
5	Purpose of pump (collection, plant, etc.)				
6	Manufacturer				
7	Rated capacity - gallons per minute				
8	Discharge head - in feet				
9	Revolutions or strokes per minute				
10	Type station (dry well, wet well, other)				
11	Wet well dimensions (depth and length x width or diameter)				
12	Number of hours operated during year				
13	**POWER EQUIPMENT**				
14	Motive power for pump (steam, internal comb. engine,				
15	electric motor, or water turbine):				
16	Type				
17	Manufacturer				
18	Rated horsepower				
19	Electric generators or Emergency pumping units:				
20	Identification number or description				
21	Manufacturer				
22	Motive power (steam, internal comb. engine, hydraulic)				
23	Rated capacity in Kilowatt or KVA				
24	Rated capacity in GPM				
25	Air compressors:				
26	Identification number or description				
27	Manufacturer				
28	Bore and stroke or rated delivery (CFM)				
29	Submergence of air lift in feet, static				
30	Miscellaneous:				
31	Odor control equipment (yes / no)				
32	Emergency pumping connection (yes / no)				
33	Wet well aeration (yes / no)				
34	Other (yes / no)				

PUMPING STATION EQUIPMENT

Use separate columns for each pump associated power equipment. Use insert sheets if necessary. For pumps, use only those lines applicable to the unit.

	PARTICULARS (a)	(b)	(c)	(d)	(e)
1	**PUMPING EQUIPMENT**				
2	Identification number or description of pump station				
3	Identification number, description, etc. of each pump				
4	Type (displacement, centrifugal, air lift, ejector, etc.)				
5	Purpose of pump (collection, plant, etc.)				
6	Manufacturer				
7	Rated capacity - gallons per minute				
8	Discharge head - in feet				
9	Revolutions or strokes per minute				
10	Type station (dry well, wet well, other)				
11	Wet well dimensions (depth and length x width or diameter)				
12	Number of hours operated during year				
13	**POWER EQUIPMENT**				
14	Motive power for pump (steam, internal comb. engine,				
15	electric motor, or water turbine):				
16	Type				
17	Manufacturer				
18	Rated horsepower				
19	Electric generators or Emergency pumping units:				
20	Identification number or description				
21	Manufacturer				
22	Motive power (steam, internal comb. engine, hydraulic)				
23	Rated capacity in Kilowatt or KVA				
24	Rated capacity in GPM				
25	Air compressors:				
26	Identification number or description				
27	Manufacturer				
28	Bore and stroke or rated delivery (CFM)				
29	Submergence of air lift in feet, static				
30	Miscellaneous:				
31	Odor control equipment (yes / no)				
32	Emergency pumping connection (yes / no)				
33	Wet well aeration (yes / no)				
34	Other (yes / no)				

PUMPING STATION EQUIPMENT

Use separate columns for each pump associated power equipment. Use insert sheets if necessary. For pumps, use only those lines applicable to the unit.

	PARTICULARS (a)	(b)	(c)	(d)	(e)
1	**PUMPING EQUIPMENT**				
2	Identification number or description of pump station				
3	Identification number, description, etc. of each pump				
4	Type (displacement, centrifugal, air lift, ejector, etc.)				
5	Purpose of pump (collection, plant, etc.)				
6	Manufacturer				
7	Rated capacity - gallons per minute				
8	Discharge head - in feet				
9	Revolutions or strokes per minute				
10	Type station (dry well, wet well, other)				
11	Wet well dimensions (depth and length x width or diameter)				
12	Number of hours operated during year				
13	**POWER EQUIPMENT**				
14	Motive power for pump (steam, internal comb. engine,				
15	electric motor, or water turbine):				
16	Type				
17	Manufacturer				
18	Rated horsepower				
19	Electric generators or Emergency pumping units:				
20	Identification number or description				
21	Manufacturer				
22	Motive power (steam, internal comb. engine, hydraulic)				
23	Rated capacity in Kilowatt or KVA				
24	Rated capacity in GPM				
25	Air compressors:				
26	Identification number or description				
27	Manufacturer				
28	Bore and stroke or rated delivery (CFM)				
29	Submergence of air lift in feet, static				
30	Miscellaneous:				
31	Odor control equipment (yes / no)				
32	Emergency pumping connection (yes / no)				
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34	Other (yes / no)				

PUMPING STATION EQUIPMENT

Use separate columns for each pump associated power equipment. Use insert sheets if necessary. For pumps, use only those lines applicable to the unit.

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5	Purpose of pump (collection, plant, etc.)				
6	Manufacturer				
7	Rated capacity - gallons per minute				
8	Discharge head - in feet				
9	Revolutions or strokes per minute				
10	Type station (dry well, wet well, other)				
11	Wet well dimensions (depth and length x width or diameter)				
12	Number of hours operated during year				
13	**POWER EQUIPMENT**				
14	Motive power for pump (steam, internal comb. engine,				
15	electric motor, or water turbine):				
16	Type				
17	Manufacturer				
18	Rated horsepower				
19	Electric generators or Emergency pumping units:				
20	Identification number or description				
21	Manufacturer				
22	Motive power (steam, internal comb. engine, hydraulic)				
23	Rated capacity in Kilowatt or KVA				
24	Rated capacity in GPM				
25	Air compressors:				
26	Identification number or description				
27	Manufacturer				
28	Bore and stroke or rated delivery (CFM)				
29	Submergence of air lift in feet, static				
30	Miscellaneous:				
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2	Identification number or description of pump station				
3	Identification number, description, etc. of each pump				
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5	Purpose of pump (collection, plant, etc.)				
6	Manufacturer				
7	Rated capacity - gallons per minute				
8	Discharge head - in feet				
9	Revolutions or strokes per minute				
10	Type station (dry well, wet well, other)				
11	Wet well dimensions (depth and length x width or diameter)				
12	Number of hours operated during year				
13	**POWER EQUIPMENT**				
14	Motive power for pump (steam, internal comb. engine,				
15	electric motor, or water turbine):				
16	Type				
17	Manufacturer				
18	Rated horsepower				
19	Electric generators or Emergency pumping units:				
20	Identification number or description				
21	Manufacturer				
22	Motive power (steam, internal comb. engine, hydraulic)				
23	Rated capacity in Kilowatt or KVA				
24	Rated capacity in GPM				
25	Air compressors:				
26	Identification number or description				
27	Manufacturer				
28	Bore and stroke or rated delivery (CFM)				
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3	Identification number, description, etc. of each pump				
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5	Purpose of pump (collection, plant, etc.)				
6	Manufacturer				
7	Rated capacity - gallons per minute				
8	Discharge head - in feet				
9	Revolutions or strokes per minute				
10	Type station (dry well, wet well, other)				
11	Wet well dimensions (depth and length x width or diameter)				
12	Number of hours operated during year				
13	**POWER EQUIPMENT**				
14	Motive power for pump (steam, internal comb. engine,				
15	electric motor, or water turbine):				
16	Type				
17	Manufacturer				
18	Rated horsepower				
19	Electric generators or Emergency pumping units:				
20	Identification number or description				
21	Manufacturer				
22	Motive power (steam, internal comb. engine, hydraulic)				
23	Rated capacity in Kilowatt or KVA				
24	Rated capacity in GPM				
25	Air compressors:				
26	Identification number or description				
27	Manufacturer				
28	Bore and stroke or rated delivery (CFM)				
29	Submergence of air lift in feet, static				
30	Miscellaneous:				
31	Odor control equipment (yes / no)				
32	Emergency pumping connection (yes / no)				
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3	Identification number, description, etc. of each pump				
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5	Purpose of pump (collection, plant, etc.)				
6	Manufacturer				
7	Rated capacity - gallons per minute				
8	Discharge head - in feet				
9	Revolutions or strokes per minute				
10	Type station (dry well, wet well, other)				
11	Wet well dimensions (depth and length x width or diameter)				
12	Number of hours operated during year				
13	**POWER EQUIPMENT**				
14	Motive power for pump (steam, internal comb. engine,				
15	electric motor, or water turbine):				
16	Type				
17	Manufacturer				
18	Rated horsepower				
19	Electric generators or Emergency pumping units:				
20	Identification number or description				
21	Manufacturer				
22	Motive power (steam, internal comb. engine, hydraulic)				
23	Rated capacity in Kilowatt or KVA				
24	Rated capacity in GPM				
25	Air compressors:				
26	Identification number or description				
27	Manufacturer				
28	Bore and stroke or rated delivery (CFM)				
29	Submergence of air lift in feet, static				
30	Miscellaneous:				
31	Odor control equipment (yes / no)				
32	Emergency pumping connection (yes / no)				
33	Wet well aeration (yes / no)				
34	Other (yes / no)				

WASTEWATER MAINS

Report collection, transmission, and force mains under separate captions and report number of feet at end of year for each wastewater system .

	Size and Kind of Pipe (a)	Beginning (b)	Ending (c)
1	1/4" PVC FORCE MAIN	140	140
2	2" PVC FORCE MAIN	1,500	1,500
3	8" CAST IRON PIPE FORCE MAIN	1,000	1,000
4	8" PVC FORCE MAIN	1,970	1,970
5	10" PVC FORCE MAIN	4,560	4,560
6	12" PVC FORCE MAIN	1,600	1,600
7			
8	VARIOUS DIAMETER GRAVITY SEWER LINE	38,800	38,800
9			
10			
11			
12			
13			
14			
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22			
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40			
41			
42			
43			
44			
45		49,570	49,570

PUMPING AND PURCHASED WASTEWATER TREATMENT STATISTICS

Omit 000's in reporting gallons of wastewater.

Line No.	Particulars (a)	Gallons of Purchased Waste-Water Treatment (b)	Gallons of Wastewater Treated Per Month Treatment Plant (c)	Total all Methods (e)
1				-
2				-
3				-
4				-
5				-
6				-
7				-
8				-
9				-
10				-
11				-
12				-
13	Total for year	-	-	-
14				
15	Total Gallons Treated			-
16	Less Gallons Billed (From page 600)	103,526		
17	Inflow and Infiltration			0.00%
18	Maximum gallons treated at the plant in any one day		Date:	
19	Minimum gallons treated at the plant in any one day		Date:	
20	Average gallons treated per day	-	(Line22 / 365)	
21	If wastewater treatment sold to other wastewater utilities, list names of such utilities below:			
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33	State what action has been taken to reduce Inflow & Infiltration:			
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				

MAIN BLOCKAGES, TREATMENT RATE, SYSTEM INTEGRITY, CUSTOMER SATISFACTION, OVERFLOW RATE, AND MAINTENANCE RATIO

1	**Main Blockages (Wastewater)**		1
			2
a	Wastewater Main Blockages	0.00	3
b	Main Blockages Repaired	0.00	4
			5
2	**For Privates Only!**		6
	Rate of Return : Authorized (from last Rate Study)		7
			8
3	**Planned Maintenance Ratio: Wastewater (Hours)**		9
	Description:		10
	This indicator is a measure of the investment in planned maintenance.		11
			12
a	Planned maintenance hours	0.00	13
b	Corrective maintenance hours	0.00	14
			15
c	Planned budgeted maintenance cost	0.00	16
d	Corrective(experienced) maintenance cost	0.00	17
			18
4	**Sewer Overflow Rate**		19
a	Total number of dry weather wastewater overflows	0.00	20
b	Total number of wet weather wastewater overflows	0.00	21
c	Number of Wastewater Overflow Points	0.00	22
			23
5	**Wastewater System Collection System Integrity Rate**		24
a	Total number of collection system failures	0.00	25
b	Total miles of wastewater collection main	0.00	26
			27
6	**Wastewater Treatment Effectiveness Rate**		28
			29
a	Number of standard non compliance months	0.00	30
b	Number of months in reporting period	0.00	31
			32
			33
7	**Customer Service**		34
	Customer satisfaction (surveys/focus groups, etc.)		35
			36
	Please indicate all efforts at determining customer satisfaction during the reporting		37
	period including, but not limited to, surveys, focus groups, customer meetings,		38
	and the results of those efforts.		39
			40

PROPOSED SUMMARY BUDGET

Line No.		Revenue Requirement ($)	Revenue Sources ($)
1			
2	Available cash:		
3	Operating income		NOT PREPARED
4	Other Income / Interest		
5	Total Income		-
6			
7	Cash Disbursements:		
8	Operating expenses		
9	Other taxes		
10	Debt service requirements:		
11	Principal & Interest Requirement		
12			
13			
14			
15			
16	Bond Reserve Requirement		
17			
18			
19			
20			
21	Repair and Replacement Reserve Requirement		
22			
23			
24			
25			
26	Contingencies		
27			
28			
29			
30			
31	Plant Additions		
32			
33	Remaining Surplus		-
34			
35			
36			
37			
38			
39			

Town of Marmet Sanitary Board	01/00/1900	06/30/2023

CASH WORKING CAPITAL RESERVE (CWCR) SUMMARY

Note: This scheduled is applicable to public service districts and municipalities.

	Operation and Maintenance Expenses:	454,243	1
			2
			3
	Last Four (4) Digits of CWCR Bank Account Number:		4
			5
1	**Cash Working Capital (CWCR) % to tariff revenue:**		6
	Note:This % is established as part of a formal rate filing/Certificate Filing/30B with		7
	the PSC. This % is not applicable to Locally Rate Regulated utilities.		8
			9
2	***Beginning Balance of CWCR Account:***		10
			11
3	**Monthly Deposits to the CWCR Account from Customer Collections:**		12
	Month	Amount Deposited	13
i.			14
ii.			15
iii.			16
iv.			17
v.			18
vi.			19
vii.			20
viii.			21
ix.			22
x.			23
xi.			24
xii.			25
	Total Deposits	-	26
			27
4	**Description and amount of each disbursement from the CWCR Account with**		28
	detailed descriptions of the use of that cash disbursement:		29
			30
			31
			32
			33
			34
			35
			36
			37
4a	**Total Disbursements from CWCR Account noted above: (ENTER AS NEGATIVE NUMBER)**		38
			39
5	**Ending Balance of CWCR Account:**	-	40
			41
6	**Ratio (%) of the ending balance of the CWCR Account to O&M Expenses:**	0.00%	42
			43

CASH WORKING CAPITAL RESERVE (CWCR) SUMMARY cont.

Note: This scheduled is applicable to public service districts and municipalities.

7. **A Description of future projects, if any, that accumulated CWCR Account funds may be used for:**

EXPLANATION NOTES

Please include additional explanation on the pages provided with page number and description for the clarification.

Schedule (Page No And Line No)	Description

EXPLANATION NOTES

Please include additional explanation on the pages provided with page number and description for the clarification.

Schedule (Page No And Line No)	Description

SEWER VERIFICATION

The foregoing report must be verified by the oath of the officer, or person duly designated having control of the books and records of account of the utility. The oath required may be taken before any person authorized to administer an oath by the laws of the State in which same is taken.

OATH

State of West Virginia)
) SS:
County of Kanawha)

David Fontalbert makes oath and says that

he/she is Chairman
(insert here the official title of the affiant)

of Marmet Sanitation Board
(Insert here the exact legal title or name of the utility)

that he/she has examined the foregoing report; that to the best of his/her knowledge, information, and belief,all statements of fact contained in said report are true and that said report is a correct statement of the business and affairs of the above named utility in respect to each and every matter set forth therein during the period from and including---

7-1-2022 to and including 6-30-2023

David Fontalbert
(Signature of Affiant)

Subscribed and sworn to before me, a Notary in and for the State and County above named, this 5th day of March 2024

My commission expires July 24, 2028

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Ruth C. Meadows Town of Marmet
9403 MacCorkle Avenue Marmet, WV 25315
My Commission Expires July 24, 2028

Ruth C Meadows
(Signature of officer authorized to administer oaths)