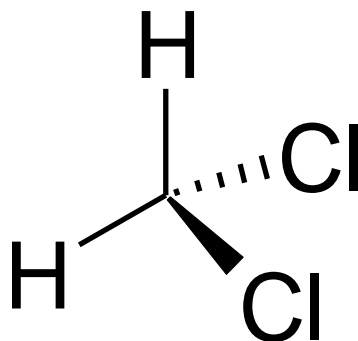


Draft Risk Evaluation for Methylene Chloride (Dichloromethane, DCM)

Draft Supplemental Information on Surface Water Exposure Assessment

CASRN: 75-09-2



October 2019

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1. OES: MANUFACTURING

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: Covestro 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	4.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:1 RELEASE ACTIVITY: Covestro 350 dy
 FACILITY NAME: BAYER CORPORATION-BAYTOWN
 FACILITY LOCATION: BAYTOWN TX 77520
 RECEIVING WATER NAME: CEDAR BAYOU
 REACH NUMBER: 12040203002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TX0002798 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.004	4.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	98.72	15.44	9.06	9.06	NA
CONCENTRATION ($\mu\text{g/L}$)	4.05E-02	0.26	0.44	0.44	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.14E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.64E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	9.81E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: Covestro 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.36 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	6.80E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:2 RELEASE ACTIVITY: Covestro 20 dy
 FACILITY NAME: BAYER CORPORATION-BAYTOWN
 FACILITY LOCATION: BAYTOWN TX 77520
 RECEIVING WATER NAME: CEDAR BAYOU
 REACH NUMBER: 12040203002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TX0002798 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.068	6.80E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	98.72	15.44	9.06	9.06	NA
CONCENTRATION ($\mu\text{g/L}$)	0.69	4.40	7.51	7.51	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.08E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.60E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.67E-04 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:3

Number of Release Sites: 1.

Release Activity: Emerald 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.35 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 3	RELEASE ACTIVITY: Emerald 350 dy	
FACILITY NAME: GOODRICH B.F.-HENRY		
FACILITY LOCATION: HENRY IL 61537		
RECEIVING WATER NAME: SENACHWINE L		
REACH NUMBER: 07130001022	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: IL0001392	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	350.	2.73	0.001	1.00E-03	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	0.37
CHRONIC SCENARIO	1.00	0.37

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:4

Number of Release Sites: 1.

Release Activity: Emerald 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.46 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	2.30E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 4	RELEASE ACTIVITY: Emerald 20 dy	
FACILITY NAME: PASSAIC VALLEY SEWERAGE COMM		
FACILITY LOCATION: NEWARK NJ 07105		
RECEIVING WATER NAME: UPPER NEW YORK BAY		
REACH NUMBER: 02030104001	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NJ0021016	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	843.37	0.023	2.30E-02	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	8.00	3.41E-03
CHRONIC SCENARIO	22.90	1.19E-03

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:5

Number of Release Sites: 1.

Release Activity: Fair Lawn 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-MFG57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 5	RELEASE ACTIVITY: Fair Lawn 350 dy	
FACILITY NAME: PASSAIC VALLEY SEWERAGE COMM		
FACILITY LOCATION: NEWARK NJ 07105		
RECEIVING WATER NAME: UPPER NEW YORK BAY		
REACH NUMBER: 02030104001	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NJ0021016	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
57.	350.	843.37	0.01	4.30E-03	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	8.00	6.37E-04
CHRONIC SCENARIO	22.90	2.23E-04

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:6

Number of Release Sites: 1.

Release Activity: Bridgewater 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:6 RELEASE ACTIVITY: Bridgewater 350 dy
 FACILITY NAME: SOMERSET RARITAN VALLEY SA
 FACILITY LOCATION: BRIDGEWATER NJ 08807
 RECEIVING WATER NAME: MILLSTONE R
 REACH NUMBER: 02030105026 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: NJ0024864 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	350.	0.01	4.30E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	243.24	69.26	42.84	39.88	NA
CONCENTRATION ($\mu\text{g/L}$)	1.77E-02	6.21E-02	0.10	0.11	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	9.32E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	7.17E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.35E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:7

Number of Release Sites: 1.

Release Activity: Olin 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	70.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	0.20 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:7 RELEASE ACTIVITY: Olin 350 dy
 FACILITY NAME: DOW CHEMICAL CO-FREEPORT
 FACILITY LOCATION: FREEPORT TX 775413257
 RECEIVING WATER NAME: BRAZOS R
 REACH NUMBER: 12070104002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TX0006483 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	350.	0.2	8.60E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	9652.16	3667.69	2608.81	2608.81	NA
CONCENTRATION ($\mu\text{g/L}$)	8.91E-03	2.34E-02	3.30E-02	3.30E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.70E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.61E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	8.88E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:8

Number of Release Sites: 1.

Release Activity: Regis 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-MFG57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 8	RELEASE ACTIVITY: Regis 350 dy	
FACILITY NAME: MWRDGC NORTHSIDE WRP		
FACILITY LOCATION: SKOKIE IL 60076		
RECEIVING WATER NAME: L MICHIGAN		
REACH NUMBER: 04040002001	FACILITY ON REACH: No	DISCHARGE TYPE: Direct
NPDES PERMIT #: IL0028088	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
57.	350.	1105.22	0.01	4.30E-03	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	3.89E-03
CHRONIC SCENARIO	1.00	3.89E-03

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:9

Number of Release Sites: 1.

Release Activity: Sigma 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:9 RELEASE ACTIVITY: Sigma 350 dy
 FACILITY NAME: MSD BISSEL POINT WWTP
 FACILITY LOCATION: ST. LOUIS MO 63147
 RECEIVING WATER NAME: MISSISSIPPI R
 REACH NUMBER: 07140101014 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MO0025178 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	350.	0.01	4.30E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.78E+05	1.02E+05	8.15E+04	6.38E+04	NA
CONCENTRATION (µg/L)	1.55E-05	4.22E-05	5.28E-05	6.73E-05	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	8.15E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	6.27E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.60E-09 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 10

Number of Release Sites: 1.

Release Activity: Vanderbilt 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.45 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	1.30E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG57

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 10

Number of Sites: 1

RELEASE

ACTIVITY: Vanderbilt 350 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.00	350.	0.0013	5.59E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	1.94E-03	4.51E-03	7.15E-03	8.46E-03
ALL	10	39.60	13.29	7.76	7.57	1.41E-02	4.21E-02	7.20E-02	7.38E-02

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.02E-08	7.44E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	7.87E-07	5.73E-06	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.71E-07	1.59E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG57

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 10

RELEASE ACTIVITY: Vanderbilt 350 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	350.00	1.30E-03	57.00	High
151.00	0	0	350.00	1.30E-03	57.00	High
1800.00	0	0	350.00	1.30E-03	57.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 11

Number of Release Sites: 1.

Release Activity: Dupont 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	70.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	0.20 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:11 RELEASE ACTIVITY: Dupont 350 dy
 FACILITY NAME: E I DU PONT DE NEMOURS
 FACILITY LOCATION: DEEPWATER NJ 08023
 RECEIVING WATER NAME: DELAWARE R
 REACH NUMBER: 02040204053 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NJ0005100 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.2	0.20	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.42E+04	9166.39	6733.64	5370.29	NA
CONCENTRATION (µg/L)	8.28E-03	2.18E-02	2.97E-02	3.72E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.37E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.36E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	8.26E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 12

Number of Release Sites: 1.

Release Activity: Dupont 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	76.00	N/A	N/A	N/A
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	3.80	N/A/0.00	N/A	N/A
	(kg/site/day)	(kg/site/day)	(kg/site/day)	(kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:12 RELEASE ACTIVITY: Dupont 20 dy
 FACILITY NAME: E I DU PONT DE NEMOURS
 FACILITY LOCATION: DEEPWATER NJ 08023
 RECEIVING WATER NAME: DELAWARE R
 REACH NUMBER: 02040204053 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NJ0005100 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	3.8	3.80	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.42E+04	9166.39	6733.64	5370.29	NA
CONCENTRATION (µg/L)	0.16	0.41	0.56	0.71	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.74E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.65E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.57E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER: 12

RELEASE ACTIVITY: Dupont 20 dy

FACILITY NAME: E I DU PONT DE NEMOURS

FACILITY LOCATION: DEEPWATER NJ 08023

RECEIVING STREAM NAME: DELAWARE R

REACH NUMBER: 02040204053

FACILITY ON REACH: Yes

DISCHARGE TYPE: Direct

NPDES PERMIT NUMBER: NJ0005100

GAGING STATION ID: N/A

GAGING STATION PERIOD OF RECORD: N/A

GAGING STATION

NUMBER OF STATIONS ON

NUMBER OF OBSERVATIONS: N/A

REACH: N/A

MEAN FLOW (MLD): 4.54E+04

7q10 FLOW (MLD): 6733.64

EFFLUENT FLOW (MLD):218.77

RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Pre-treatment Loading (kg/site/day)	Waste Water Treatment (%)
90.00	0	0	20.00	3.80	0.00
151.00	0	0	20.00	3.80	0.00
1800.00	0	0	20.00	3.80	0.00

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 14

Number of Release Sites: 1.

Release Activity: BayerTX 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	10.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:14 RELEASE ACTIVITY: BayerTX 350 dy
 FACILITY NAME: BAYER CORPORATION-BAYTOWN
 FACILITY LOCATION: BAYTOWN TX 77520
 RECEIVING WATER NAME: CEDAR BAYOU
 REACH NUMBER: 12040203002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TX0002798 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.03	3.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	98.72	15.44	9.06	9.06	NA
CONCENTRATION (µg/L)	0.30	1.94	3.31	3.31	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.60E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.23E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	7.36E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 15

Number of Release Sites: 1.

Release Activity: BayerTX 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	10.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.50 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:15 RELEASE ACTIVITY: BayerTX 20 dy
 FACILITY NAME: BAYER CORPORATION-BAYTOWN
 FACILITY LOCATION: BAYTOWN TX 77520
 RECEIVING WATER NAME: CEDAR BAYOU
 REACH NUMBER: 12040203002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TX0002798 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.5	0.50	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	98.72	15.44	9.06	9.06	NA
CONCENTRATION (µg/L)	5.07	32.38	55.19	55.19	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.53E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.17E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.23E-03 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 15

Number of Release Sites: 1.

Release Activity: Institute 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:15 RELEASE ACTIVITY: Institute 350 dy
 FACILITY NAME: AVENTIS CROPSCIENCE USA L.P.
 FACILITY LOCATION: INSTITUTE WV 25112
 RECEIVING WATER NAME: KANAWHA R
 REACH NUMBER: 05050008008 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0000086 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.01	1.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	1.42E+04	4656.81	3340.32	2677.12	NA
CONCENTRATION (µg/L)	7.04E-04	2.15E-03	2.99E-03	3.74E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.71E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.85E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	8.13E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 16

Number of Release Sites: 1.

Release Activity: Institute 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.16 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:16 RELEASE ACTIVITY: Institute 20 dy
 FACILITY NAME: AVENTIS CROPSCIENCE USA L.P.
 FACILITY LOCATION: INSTITUTE WV 25112
 RECEIVING WATER NAME: KANAWHA R
 REACH NUMBER: 05050008008 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0000086 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.16	0.16	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	1.42E+04	4656.81	3340.32	2677.12	NA
CONCENTRATION (µg/L)	1.13E-02	3.44E-02	4.79E-02	5.98E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.39E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.61E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.30E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 17

Number of Release Sites: 1.

Release Activity: MPM 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	1.75 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	5.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:17 RELEASE ACTIVITY: MPM 350 dy
 FACILITY NAME: CROMPTON CORP
 FACILITY LOCATION: FRIENDLY WV 26146
 RECEIVING WATER NAME: OHIO R
 REACH NUMBER: 05030201039 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0000094 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.005	5.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3.90E+04	1.14E+04	8419.49	6704.31	NA
CONCENTRATION (µg/L)	1.28E-04	4.40E-04	5.94E-04	7.46E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	6.76E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	5.20E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.66E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 18

Number of Release Sites: 1.

Release Activity: MPM 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.64 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	8.20E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:18 RELEASE ACTIVITY: MPM 20 dy
 FACILITY NAME: CROMPTON CORP
 FACILITY LOCATION: FRIENDLY WV 26146
 RECEIVING WATER NAME: OHIO R
 REACH NUMBER: 05030201039 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0000094 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.082	8.20E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3.90E+04	1.14E+04	8419.49	6704.31	NA
CONCENTRATION (µg/L)	2.10E-03	7.21E-03	9.74E-03	1.22E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	6.33E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.87E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.73E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 19

Number of Release Sites: 1.

Release Activity: BASF 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.05 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:19 RELEASE ACTIVITY: BASF 350 dy
 FACILITY NAME: CIBA SPECIALTY CHEMICALS CORP
 FACILITY LOCATION: WEST MEMPHIS AR 72301
 RECEIVING WATER NAME:
 REACH NUMBER: 08010100001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: AR0037770 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.003	3.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8.23E+05	3.02E+05	2.51E+05	1.95E+05	NA
CONCENTRATION (µg/L)	3.64E-06	9.94E-06	1.20E-05	1.54E-05	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.92E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.48E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.76E-10 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER: 19

RELEASE ACTIVITY: BASF 350 dy

FACILITY NAME: CIBA SPECIALTY CHEMICALS CORP

FACILITY LOCATION: WEST MEMPHIS AR 72301

RECEIVING STREAM NAME:

REACH NUMBER: 08010100001

FACILITY ON REACH: Yes

DISCHARGE TYPE: Direct

NPDES PERMIT NUMBER: AR0037770

GAGING STATION ID: N/A

GAGING STATION PERIOD OF RECORD: N/A

GAGING STATION

NUMBER OF STATIONS ON

NUMBER OF OBSERVATIONS: N/A

REACH: N/A

MEAN FLOW (MLD): 1.16E+06

7q10 FLOW (MLD): 2.51E+05

EFFLUENT FLOW (MLD):0.75

RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Pre-treatment Loading (kg/site/day)	Waste Water Treatment (%)
90.00	0	0	350.00	3.00E-03	0.00
151.00	0	0	350.00	3.00E-03	0.00
1800.00	0	0	350.00	3.00E-03	0.00

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:20

Number of Release Sites: 1.

Release Activity: BASF 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.18 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	5.90E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:20 RELEASE ACTIVITY: BASF 20 dy
 FACILITY NAME: CIBA SPECIALTY CHEMICALS CORP
 FACILITY LOCATION: WEST MEMPHIS AR 72301
 RECEIVING WATER NAME:
 REACH NUMBER: 08010100001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: AR0037770 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.059	5.90E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8.23E+05	3.02E+05	2.51E+05	1.95E+05	NA
CONCENTRATION (µg/L)	7.17E-05	1.95E-04	2.35E-04	3.03E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.16E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.66E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	7.40E-09 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:21

Number of Release Sites: 1.

Release Activity: Arkema 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.00E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:21 RELEASE ACTIVITY: Arkema 350 dy
 FACILITY NAME: ATOCHEM NA ORGANIC
 FACILITY LOCATION: GENESEO NY 14454
 RECEIVING WATER NAME: GENESEE R
 REACH NUMBER: 04130003013 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0068225 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	1159.98	320.06	208.93	170.73	NA
CONCENTRATION (µg/L)	8.62E-04	3.12E-03	4.79E-03	5.86E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.60E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.00E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.18E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:22

Number of Release Sites: 1.

Release Activity: Arkema 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.26 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.30E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:22 RELEASE ACTIVITY: Arkema 20 dy
 FACILITY NAME: ATOCHEM NA ORGANIC
 FACILITY LOCATION: GENESEO NY 14454
 RECEIVING WATER NAME: GENESEE R
 REACH NUMBER: 04130003013 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0068225 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.013	1.30E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	1159.98	320.06	208.93	170.73	NA
CONCENTRATION (µg/L)	1.12E-02	4.06E-02	6.22E-02	7.61E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.38E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.60E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.54E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:23

Number of Release Sites: 1.

Release Activity: Eagle 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.35 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:23 RELEASE ACTIVITY: Eagle 350 dy
 FACILITY NAME: PPG IND-LAKE CHARLES
 FACILITY LOCATION: LAKE CHARLES LA 70601
 RECEIVING WATER NAME: CALCASIEU R
 REACH NUMBER: 08080206033 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: LA0000761 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3997.81	1290.68	884.92	884.92	NA
CONCENTRATION (µg/L)	2.50E-04	7.75E-04	1.13E-03	1.13E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.32E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.01E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.93E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:24

Number of Release Sites: 1.

Release Activity: Eagle 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.24 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.20E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:24 RELEASE ACTIVITY: Eagle 20 dy
 FACILITY NAME: PPG IND-LAKE CHARLES
 FACILITY LOCATION: LAKE CHARLES LA 70601
 RECEIVING WATER NAME: CALCASIEU R
 REACH NUMBER: 08080206033 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: LA0000761 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.012	1.20E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3997.81	1290.68	884.92	884.92	NA
CONCENTRATION ($\mu\text{g/L}$)	3.00E-03	9.30E-03	1.36E-02	1.36E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	9.05E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	6.96E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.52E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:25

Number of Release Sites: 1.

Release Activity: Materialscience 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.35 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:25

RELEASE ACTIVITY: Materialscience 350 dy

FACILITY NAME: BAYER CORP

FACILITY LOCATION: NEW MARTINSVILLE WV 26155

RECEIVING WATER NAME: OHIO R

REACH NUMBER: 05030201051

FACILITY ON REACH: Yes DISCHARGE TYPE: Direct

NPDES PERMIT #: WV0005169

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3.88E+04	1.13E+04	8396.41	6686.06	NA
CONCENTRATION ($\mu\text{g/L}$)	2.57E-05	8.81E-05	1.19E-04	1.50E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.36E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.04E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.34E-09 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:26

Number of Release Sites: 1.

Release Activity: Materialscience 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	0.24 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.20E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:26 RELEASE ACTIVITY: Materialscience 20 dy
 FACILITY NAME: BAYER CORP
 FACILITY LOCATION: NEW MARTINSVILLE WV 26155
 RECEIVING WATER NAME: OHIO R
 REACH NUMBER: 05030201051 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0005169 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.012	1.20E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3.88E+04	1.13E+04	8396.41	6686.06	NA
CONCENTRATION (µg/L)	3.09E-04	1.06E-03	1.43E-03	1.79E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	9.31E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	7.16E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.01E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:27

Number of Release Sites: 1.

Release Activity: ICLIP 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.14 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	4.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:27 RELEASE ACTIVITY: ICLIP 350 dy
 FACILITY NAME: AKZO NOBEL FUNCTIONAL CHEMICAL
 FACILITY LOCATION: GALLIPOLIS FERRY WV 255151721
 RECEIVING WATER NAME: OHIO R
 REACH NUMBER: 05090101016 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0002496 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.0004	4.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	6.89E+04	1.89E+04	1.42E+04	1.13E+04	NA
CONCENTRATION (µg/L)	5.81E-06	2.12E-05	2.81E-05	3.55E-05	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.06E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.36E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	8.03E-10 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER: 27

RELEASE ACTIVITY: ICLIP 350 dy

FACILITY NAME: AKZO NOBEL FUNCTIONAL CHEMICAL

FACILITY LOCATION: GALLIPOLIS FERRY WV 255151721

RECEIVING STREAM NAME: OHIO R

REACH NUMBER: 05090101016

FACILITY ON REACH: Yes

DISCHARGE TYPE: Direct

NPDES PERMIT NUMBER: WV0002496

GAGING STATION ID: N/A

GAGING STATION PERIOD OF RECORD: N/A

GAGING STATION NUMBER OF OBSERVATIONS: N/A

NUMBER OF STATIONS ON REACH: N/A

MEAN FLOW (MLD): 1.74E+05

7q10 FLOW (MLD): 1.42E+04

EFFLUENT FLOW (MLD): 2.05

RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Pre-treatment Loading (kg/site/day)	Waste Water Treatment (%)
90.00	0	0	350.00	4.00E-04	0.00
151.00	0	0	350.00	4.00E-04	0.00
1800.00	0	0	350.00	4.00E-04	0.00

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:28

Number of Release Sites: 1.

Release Activity: ICLIP 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.13 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	6.50E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:28 RELEASE ACTIVITY: ICLIP 20 dy
 FACILITY NAME: AKZO NOBEL FUNCTIONAL CHEMICAL
 FACILITY LOCATION: GALLIPOLIS FERRY WV 255151721
 RECEIVING WATER NAME: OHIO R
 REACH NUMBER: 05090101016 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0002496 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.0065	6.50E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	6.89E+04	1.89E+04	1.42E+04	1.13E+04	NA
CONCENTRATION (µg/L)	9.44E-05	3.45E-04	4.57E-04	5.76E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.84E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.19E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.31E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:29

Number of Release Sites: 1.

Release Activity: Keeshan 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.75E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	5.00E-05 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 29	RELEASE ACTIVITY: Keeshan 350 dy	
FACILITY NAME: KEESHAN AND CO-MANVEL		
FACILITY LOCATION: MANVEL TX 77578		
RECEIVING WATER NAME: WEST BAY		
REACH NUMBER: 12040204020	FACILITY ON REACH: No	DISCHARGE TYPE: Direct
NPDES PERMIT #: TX0072168	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	350.	1.00E-02	0.00005	5.00E-05	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	5.00
CHRONIC SCENARIO	1.00	5.00

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:30

Number of Release Sites: 1.

Release Activity: Keeshan 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.66E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	8.30E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 30	RELEASE ACTIVITY: Keeshan 20 dy	
FACILITY NAME: KEESHAN AND CO-MANVEL		
FACILITY LOCATION: MANVEL TX 77578		
RECEIVING WATER NAME: WEST BAY		
REACH NUMBER: 12040204020	FACILITY ON REACH: No	DISCHARGE TYPE: Direct
NPDES PERMIT #: TX0072168	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	1.00E-02	0.00083	8.30E-04	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	83.00
CHRONIC SCENARIO	1.00	83.00

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:31

Number of Release Sites: 1.

Release Activity: Indorama 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.05E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-05 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:31 RELEASE ACTIVITY: Indorama 350 dy
 FACILITY NAME: PPG IND-LAKE CHARLES
 FACILITY LOCATION: LAKE CHARLES LA 70601
 RECEIVING WATER NAME: CALCASIEU R
 REACH NUMBER: 08080206033 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: LA0000761 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.00003	3.00E-05	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3997.81	1290.68	884.92	884.92	NA
CONCENTRATION (µg/L)	7.50E-06	2.32E-05	3.39E-05	3.39E-05	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.96E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.04E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	8.80E-10 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:32

Number of Release Sites: 1.

Release Activity: Indorama 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	9.40E-03 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	4.70E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:32 RELEASE ACTIVITY: Indorama 20 dy
 FACILITY NAME: PPG IND-LAKE CHARLES
 FACILITY LOCATION: LAKE CHARLES LA 70601
 RECEIVING WATER NAME: CALCASIEU R
 REACH NUMBER: 08080206033 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: LA0000761 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.00047	4.70E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3997.81	1290.68	884.92	884.92	NA
CONCENTRATION (µg/L)	1.18E-04	3.64E-04	5.31E-04	5.31E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.54E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.73E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.38E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:33

Number of Release Sites: 1.

Release Activity: Chemtura 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.00E-03 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-05 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:33 RELEASE ACTIVITY: Chemtura 350 dy
 FACILITY NAME: GE SPECIALTY CHEMICALS INC
 FACILITY LOCATION: MORGANTOWN WV 26501
 RECEIVING WATER NAME: MONONGAHELA R
 REACH NUMBER: 05020003007 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0004740 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.00002	2.00E-05	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3434.56	1014.22	689.50	558.74	NA
CONCENTRATION (µg/L)	5.82E-06	1.97E-05	2.90E-05	3.58E-05	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.07E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.36E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	7.47E-10 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-MFG00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:34

Number of Release Sites: 1.

Release Activity: Chemtura 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	8.20E-03 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	4.10E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-MFG00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:34 RELEASE ACTIVITY: Chemtura 20 dy
 FACILITY NAME: GE SPECIALTY CHEMICALS INC
 FACILITY LOCATION: MORGANTOWN WV 26501
 RECEIVING WATER NAME: MONONGAHELA R
 REACH NUMBER: 05020003007 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0004740 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.00041	4.10E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3434.56	1014.22	689.50	558.74	NA
CONCENTRATION (µg/L)	1.19E-04	4.04E-04	5.95E-04	7.34E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.60E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.77E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.53E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

2. OES: IMPORT AND REPACKAGING

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: Chemisphere 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-IMP57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:1 RELEASE ACTIVITY: Chemisphere 250 dy
 FACILITY NAME: MSD BISSEL POINT WWTP
 FACILITY LOCATION: ST. LOUIS MO 63147
 RECEIVING WATER NAME: MISSISSIPPI R
 REACH NUMBER: 07140101014 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MO0025178 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	250.	0.01	4.30E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.78E+05	1.02E+05	8.15E+04	6.38E+04	NA
CONCENTRATION (µg/L)	1.55E-05	4.22E-05	5.28E-05	6.73E-05	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.82E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.48E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.60E-09 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: Hubbard 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	145.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	0.58 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP57

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 2

Number of Sites: 1

RELEASE ACTIVITY: Hubbard
250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.00	250.	0.58	0.25	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	0.87	2.01	3.19	3.78
ALL	10	39.60	13.29	7.76	7.57	6.30	18.77	32.14	32.95

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	3.26E-06	2.37E-05	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.51E-04	1.83E-03	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	7.63E-05	7.11E-04	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP57

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 2

RELEASE ACTIVITY: Hubbard 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	2	7	250.00	0.58	57.00	High
151.00	1	2	250.00	0.58	57.00	High
1800.00	0	0	250.00	0.58	57.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:3

Number of Release Sites: 1.

Release Activity: Webb 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	100.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	0.40 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-IMP57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:3 RELEASE ACTIVITY: Webb 250 dy
 FACILITY NAME: MUSKEGON CO WWMS METRO WWTP
 FACILITY LOCATION: MUSKEGON MI 49442
 RECEIVING WATER NAME: MUSKEGON R
 REACH NUMBER: 04060102006 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: MI0027391 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	250.	0.4	0.17	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	4091.71	2456.24	1722.63	1387.02	NA
CONCENTRATION (µg/L)	4.20E-02	7.00E-02	9.98E-02	0.12	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.58E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.22E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.65E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:4

Number of Release Sites: 1.

Release Activity: Research 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.50E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 4 Number of Sites: 1 RELEASE ACTIVITY: Research
250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.0003	3.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	1.04E-03	2.42E-03	3.84E-03	4.54E-03
ALL	10	39.60	13.29	7.76	7.57	7.58E-03	2.26E-02	3.87E-02	3.96E-02

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	3.92E-09	2.85E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	3.02E-07	2.20E-06	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	9.18E-08	8.55E-07	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 4

RELEASE ACTIVITY: Research 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	3.00E-04	0.00	High
151.00	0	0	250.00	3.00E-04	0.00	High
1800.00	0	0	250.00	3.00E-04	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:5

Number of Release Sites: 1.

Release Activity: Research 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	8.60E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	4.30E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 5

RELEASE ACTIVITY: Research 20 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	4.30E-03	0.00	High
151.00	0	0	20.00	4.30E-03	0.00	High
1800.00	0	0	20.00	4.30E-03	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:6

Number of Release Sites: 1.

Release Activity: EMD 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.50E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 6

Number of Sites: 1

RELEASE ACTIVITY:EMD 250
dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.0001	1.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	3.47E-04	8.07E-04	1.28E-03	1.51E-03
ALL	10	39.60	13.29	7.76	7.57	2.53E-03	7.52E-03	1.29E-02	1.32E-02

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.31E-09	9.51E-09	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.01E-07	7.32E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	3.06E-08	2.85E-07	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 6

RELEASE ACTIVITY: EMD 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	1.00E-04	0.00	High
151.00	0	0	250.00	1.00E-04	0.00	High
1800.00	0	0	250.00	1.00E-04	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:7

Number of Release Sites: 1.

Release Activity: EMD 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.80E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.40E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 7

Number of Sites: 1

RELEASE ACTIVITY:EMD 20
dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.0014	1.40E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	4.86E-03	1.13E-02	1.79E-02	2.12E-02
ALL	10	39.60	13.29	7.76	7.57	3.54E-02	0.11	0.18	0.18

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.46E-09	1.07E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.13E-07	8.20E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	4.28E-07	3.99E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-IMP00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 7

RELEASE ACTIVITY: EMD 20 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	1.40E-03	0.00	High
151.00	0	0	20.00	1.40E-03	0.00	High
1800.00	0	0	20.00	1.40E-03	0.00	High

3. OES: PROCESSING AS A REACTANT

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PROC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: Amvac 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	210.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	0.60 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PROC57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:1 RELEASE ACTIVITY: Amvac 350 dy
 FACILITY NAME: E I DUPONT DENOURS AND CO
 FACILITY LOCATION: AXIS AL 36505
 RECEIVING WATER NAME: MOBILE R
 REACH NUMBER: 03160204014 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: AL0001597 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	350.	0.6	0.26	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	7.54E+04	2.43E+04	1.85E+04	1.46E+04	NA
CONCENTRATION (µg/L)	3.42E-03	1.06E-02	1.40E-02	1.76E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.80E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.39E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.02E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PROC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: Dow 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	35.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	0.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PROC00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:2 RELEASE ACTIVITY: Dow 350 dy
 FACILITY NAME: DOW CHEM-MIDLAND
 FACILITY LOCATION: MIDLAND MI 48667
 RECEIVING WATER NAME: TITTABABASSEE R
 REACH NUMBER: 04080201001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MI0000868 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.1	0.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2148.97	931.59	631.43	512.00	NA
CONCENTRATION ($\mu\text{g/L}$)	4.65E-02	0.11	0.16	0.20	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.45E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.89E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.07E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PROC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:3

Number of Release Sites: 1.

Release Activity: Dow 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	24.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.20 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PROC00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:3 RELEASE ACTIVITY: Dow 20 dy
 FACILITY NAME: DOW CHEM-MIDLAND
 FACILITY LOCATION: MIDLAND MI 48667
 RECEIVING WATER NAME: TITTABABASSEE R
 REACH NUMBER: 04080201001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MI0000868 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	1.2	1.20	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2148.97	931.59	631.43	512.00	NA
CONCENTRATION ($\mu\text{g/L}$)	0.56	1.29	1.90	2.34	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.68E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.29E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.88E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PROC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:4

Number of Release Sites: 1.

Release Activity: FMC 350 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.10 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	350.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PROC00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:4 RELEASE ACTIVITY: FMC 350 dy
 FACILITY NAME: FMC - AGRICULTURAL PRODUCTS
 FACILITY LOCATION: MIDDLEPORT NY 14105
 RECEIVING WATER NAME: JEDDO CR
 REACH NUMBER: 04130001021 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0000345 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	350.	0.0003	3.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	9.46	2.30	1.26	1.07	NA
CONCENTRATION (µg/L)	3.17E-02	0.13	0.24	0.28	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.67E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.29E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.95E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PROC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:5

Number of Release Sites: 1.

Release Activity: FMC 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.11 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	5.70E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PROC00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:5 RELEASE ACTIVITY: FMC 20 dy
 FACILITY NAME: FMC - AGRICULTURAL PRODUCTS
 FACILITY LOCATION: MIDDLEPORT NY 14105
 RECEIVING WATER NAME: JEDDO CR
 REACH NUMBER: 04130001021 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0000345 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.0057	5.70E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	9.46	2.30	1.26	1.07	NA
CONCENTRATION ($\mu\text{g/L}$)	0.60	2.48	4.52	5.34	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.82E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.40E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	9.40E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

4. OES: PROCESSING: FORMULATION

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: Arkema 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	30.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	0.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:1 RELEASE ACTIVITY: Arkema 300 dy
 FACILITY NAME: ATOFINA CHEMICALS INC
 FACILITY LOCATION: CALVERT CITY KY 42029
 RECEIVING WATER NAME: TENNESSEE R
 REACH NUMBER: 06040006017 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: KY0003603 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	300.	0.1	0.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8.62E+04	3.01E+04	2.31E+04	1.82E+04	NA
CONCENTRATION (µg/L)	1.16E-03	3.32E-03	4.34E-03	5.48E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.25E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.04E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.26E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: Arkema 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	30.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.50 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:2 RELEASE ACTIVITY: Arkema 20 dy
 FACILITY NAME: ATOFINA CHEMICALS INC
 FACILITY LOCATION: CALVERT CITY KY 42029
 RECEIVING WATER NAME: TENNESSEE R
 REACH NUMBER: 06040006017 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: KY0003603 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	1.5	1.50	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8.62E+04	3.01E+04	2.31E+04	1.82E+04	NA
CONCENTRATION (µg/L)	1.74E-02	4.98E-02	6.50E-02	8.23E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.25E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.04E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.89E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:3

Number of Release Sites: 1.

Release Activity: McGean 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	120.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	0.40 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:3 RELEASE ACTIVITY: McGean 300 dy
 FACILITY NAME: DETROIT WWTP
 FACILITY LOCATION: DETROIT MI 48209
 RECEIVING WATER NAME: DETROIT R AT E. BELLE ISLAND
 REACH NUMBER: 04090004009 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MI0022802 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	0.4	0.17	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	1.51E+05	9.95E+04	7.95E+04	6.23E+04	NA
CONCENTRATION (µg/L)	1.14E-03	1.73E-03	2.16E-03	2.76E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.15E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.96E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	6.55E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:4

Number of Release Sites: 1.

Release Activity: WMBarr 300

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:4 RELEASE ACTIVITY: WMBarr 300
 FACILITY NAME: MEMPHIS-TE MAXSON STP SO PLT
 FACILITY LOCATION: MEMPHIS TN 381093097
 RECEIVING WATER NAME: MISSISSIPPI R
 REACH NUMBER: 08010100001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TN0020729 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	0.002	8.60E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8.23E+05	3.02E+05	2.51E+05	1.95E+05	NA
CONCENTRATION (µg/L)	1.04E-06	2.85E-06	3.43E-06	4.41E-06	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.72E-12 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.63E-10 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.08E-10 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:5

Number of Release Sites: 1.

Release Activity: Buckman 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	240.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	0.80 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:5 RELEASE ACTIVITY: Buckman 300 dy
 FACILITY NAME: MEMPHIS-MAYNARD C. STILES
 FACILITY LOCATION: MEMPHIS TN 381277500
 RECEIVING WATER NAME: MISSISSIPPI R
 REACH NUMBER: 08010100031 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TN0020711 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	0.8	0.34	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8.21E+05	3.01E+05	2.50E+05	1.94E+05	NA
CONCENTRATION (µg/L)	4.19E-04	1.14E-03	1.38E-03	1.77E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.89E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.46E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.33E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: Eurofins 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	5700.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	19.00 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM57

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1 Number of Sites: 1 RELEASE ACTIVITY: Eurofins
300 dy

SIC-CODE DESCRIPTION: Inorganic Chemicals Manufacture

SIC-CODE (S): 281 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.00	300.	19.	8.17	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	644.33	275.20	178.69	146.18	12.68	29.69	45.72	55.89
ALL	10	33.49	9.28	5.35	4.48	243.95	880.39	1527.10	1823.66

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	5.73E-05	1.10E-03	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	4.41E-03	8.48E-02	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.12E-03	3.33E-02	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM57

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1 RELEASE ACTIVITY: Eurofins 300 dy

SIC CODE DESCRIPTION: Inorganic Chemicals Manufacture

ASSOCIATED SIC CODES: 281

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	59	215	300.00	19.00	57.00	High
151.00	48	174	300.00	19.00	57.00	High
1800.00	5	19	300.00	19.00	57.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:7

Number of Release Sites: 1.

Release Activity: Solvay 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	12.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	4.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:7 RELEASE ACTIVITY: Solvay 300 dy
 FACILITY NAME: RHODIA INC.
 FACILITY LOCATION: HOUSTON TX 77262
 RECEIVING WATER NAME: BUFFALO BAYOU
 REACH NUMBER: 12040104017 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TX0007072 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	300.	0.04	4.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	110.16	9.37	5.40	4.53	NA
CONCENTRATION (µg/L)	0.36	4.27	7.41	8.84	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.64E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.26E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.62E-04 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER: 7

RELEASE ACTIVITY: Solvay 300 dy

FACILITY NAME: RHODIA INC.

FACILITY LOCATION: HOUSTON TX 77262

RECEIVING STREAM NAME: BUFFALO BAYOU

REACH NUMBER: 12040104017

FACILITY ON REACH: Yes

DISCHARGE TYPE: Direct

NPDES PERMIT NUMBER: TX0007072

GAGING STATION ID: N/A

GAGING STATION PERIOD OF RECORD: N/A

GAGING STATION

NUMBER OF STATIONS ON

NUMBER OF OBSERVATIONS: N/A

REACH: N/A

MEAN FLOW (MLD): 2090.31

7q10 FLOW (MLD): 5.40

EFFLUENT FLOW (MLD):2.76

RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Pre-treatment Loading (kg/site/day)	Waste Water Treatment (%)
90.00	0	0	300.00	4.00E-02	0.00
151.00	0	0	300.00	4.00E-02	0.00
1800.00	0	0	300.00	4.00E-02	0.00

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:8

Number of Release Sites: 1.

Release Activity: Solvay 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	11.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.58 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:8 RELEASE ACTIVITY: Solvay 20 dy
 FACILITY NAME: RHODIA INC.
 FACILITY LOCATION: HOUSTON TX 77262
 RECEIVING WATER NAME: BUFFALO BAYOU
 REACH NUMBER: 12040104017 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TX0007072 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.58	0.58	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	110.16	9.37	5.40	4.53	NA
CONCENTRATION (µg/L)	5.26	61.92	107.41	128.12	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.59E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.22E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.35E-03 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:9

Number of Release Sites: 1.

Release Activity: Honeywell 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:9 RELEASE ACTIVITY: Honeywell 300 dy
 FACILITY NAME: ALLIED-SIGNAL INC-GEISMAR
 FACILITY LOCATION: GEISMAR LA 70734
 RECEIVING WATER NAME: MISSISSIPPI R
 REACH NUMBER: 08070100001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: LA0006181 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	300.	0.01	1.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8.12E+05	2.98E+05	2.47E+05	1.92E+05	NA
CONCENTRATION (µg/L)	1.23E-05	3.36E-05	4.05E-05	5.20E-05	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.57E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.28E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.27E-09 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 10

Number of Release Sites: 1.

Release Activity: Honeywell 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	4.40	N/A	N/A	N/A
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.22	N/A/0.00	N/A	N/A
	(kg/site/day)	(kg/site/day)	(kg/site/day)	(kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:10 RELEASE ACTIVITY: Honeywell 20 dy
 FACILITY NAME: ALLIED-SIGNAL INC-GEISMAR
 FACILITY LOCATION: GEISMAR LA 70734
 RECEIVING WATER NAME: MISSISSIPPI R
 REACH NUMBER: 08070100001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: LA0006181 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.22	0.22	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8.12E+05	2.98E+05	2.47E+05	1.92E+05	NA
CONCENTRATION (µg/L)	2.71E-04	7.39E-04	8.90E-04	1.14E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	8.16E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	6.28E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.80E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 11

Number of Release Sites: 1.

Release Activity: Stepan 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.01 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	6.70E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:11 RELEASE ACTIVITY: Stepan 300 dy
 FACILITY NAME: RHODIA INC.
 FACILITY LOCATION: HOUSTON TX 77262
 RECEIVING WATER NAME: BUFFALO BAYOU
 REACH NUMBER: 12040104017 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TX0007072 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	300.	0.0067	6.70E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	110.16	9.37	5.40	4.53	NA
CONCENTRATION (µg/L)	6.08E-02	0.72	1.24	1.48	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.75E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.11E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.71E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

PEER REVIEW DRAFT, DO NOT CITE OR QUOTE

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.12	N/A/0.00	N/A	N/A
	(kg/site/day)	(kg/site/day)	(kg/site/day)	(kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:12 RELEASE ACTIVITY: Stepan 20 dy
 FACILITY NAME: STEPAN COMPANY-ELWOOD
 FACILITY LOCATION: ELWOOD IL 60421
 RECEIVING WATER NAME: DES PLAINS R
 REACH NUMBER: 07120004006 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: IL0002453 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.12	0.12	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	6250.28	3366.14	2387.10	1917.66	NA
CONCENTRATION (µg/L)	1.92E-02	3.56E-02	5.03E-02	6.26E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.79E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.45E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.35E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 13

Number of Release Sites: 1.

Release Activity: Elementis 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.30 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:13 RELEASE ACTIVITY: Elementis 300 dy
 FACILITY NAME: ELEMENTIS SPECIALTIES INC.
 FACILITY LOCATION: CHARLESTON WV 253031323
 RECEIVING WATER NAME: KANAWHA R
 REACH NUMBER: 05050006001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0051560 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	300.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8706.00	2278.96	1594.09	1284.22	NA
CONCENTRATION (µg/L)	1.15E-04	4.39E-04	6.27E-04	7.79E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.19E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.99E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.66E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FORM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 14

Number of Release Sites: 1.

Release Activity: Elementis 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.22 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.10E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FORM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:14 RELEASE ACTIVITY: Elementis 20 dy
 FACILITY NAME: ELEMENTIS SPECIALTIES INC.
 FACILITY LOCATION: CHARLESTON WV 253031323
 RECEIVING WATER NAME: KANAWHA R
 REACH NUMBER: 05050006001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0051560 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.011	1.10E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8706.00	2278.96	1594.09	1284.22	NA
CONCENTRATION (µg/L)	1.26E-03	4.83E-03	6.90E-03	8.57E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.81E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.93E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.83E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

5. OES: POLYURETHANE FOAM

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FOAM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: Pregis 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	2.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
	Non-sludge/Sludge			
Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FOAM00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1

Number of Sites: 1

RELEASE ACTIVITY: Pregis 250
dy

SIC-CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

SIC-CODE (S): 2821,2823,2824

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.01	1.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	1321.81	604.40	403.46	328.18	7.57E-03	1.65E-02	2.48E-02	3.05E-02
ALL	10	44.53	13.72	8.02	7.44	0.22	0.73	1.25	1.34

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	2.85E-08	8.46E-07	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.19E-06	6.51E-05	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	6.27E-07	2.76E-05	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FOAM00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1

RELEASE ACTIVITY: Pregis 250 dy

SIC CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

ASSOCIATED SIC CODES: 2821,2823,2824

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	1.00E-02	0.00	High
151.00	0	0	250.00	1.00E-02	0.00	High
1800.00	0	0	250.00	1.00E-02	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FOAM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: Pregis 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.11 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FOAM00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 2

Number of Sites: 1

RELEASE ACTIVITY: Pregis 20
dy

SIC-CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

SIC-CODE (S): 2821,2823,2824

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.11	0.11	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	1321.81	604.40	403.46	328.18	8.32E-02	0.18	0.27	0.34
ALL	10	44.53	13.72	8.02	7.44	2.47	8.02	13.72	14.78

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	2.51E-08	7.44E-07	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.93E-06	5.73E-05	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	6.89E-06	3.04E-04	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FOAM00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 2

RELEASE ACTIVITY: Pregis 20 dy

SIC CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

ASSOCIATED SIC CODES: 2821,2823,2824

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	0.11	0.00	High
151.00	0	0	20.00	0.11	0.00	High
1800.00	0	0	20.00	0.11	0.00	High

6. OES: PLASTICS MANUFACTURING

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: SabicAL 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1

Number of Sites: 1

RELEASE ACTIVITY:SabicAL
250 dy

SIC-CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

SIC-CODE (S): 2821,2823,2824

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.03	3.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	1321.81	604.40	403.46	328.18	2.27E-02	4.96E-02	7.44E-02	9.14E-02
ALL	10	44.53	13.72	8.02	7.44	0.67	2.19	3.74	4.03

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	8.55E-08	2.54E-06	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	6.58E-06	1.95E-04	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.88E-06	8.28E-05	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1

RELEASE ACTIVITY: Sabical 250 dy

SIC CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

ASSOCIATED SIC CODES: 2821,2823,2824

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	3.00E-02	0.00	High
151.00	0	0	250.00	3.00E-02	0.00	High
1800.00	0	0	250.00	3.00E-02	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: SabicAL 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	8.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.41 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 2

Number of Sites: 1

RELEASE ACTIVITY:SabicAL
20 dy

SIC-CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

SIC-CODE (S): 2821,2823,2824

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.41	0.41	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	1321.81	604.40	403.46	328.18	0.31	0.68	1.02	1.25
ALL	10	44.53	13.72	8.02	7.44	9.21	29.88	51.12	55.11

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	9.35E-08	2.77E-06	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	7.19E-06	2.13E-04	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	2.57E-05	1.13E-03	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 2

RELEASE ACTIVITY: Sabical 20 dy

SIC CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

ASSOCIATED SIC CODES: 2821,2823,2824

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	1	20.00	0.41	0.00	High
151.00	0	1	20.00	0.41	0.00	High
1800.00	0	0	20.00	0.41	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:3

Number of Release Sites: 1.

Release Activity: SABIC-IN 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	25.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	0.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:3 RELEASE ACTIVITY: SABIC-IN 250 dy
 FACILITY NAME: GE PLASTICS MT. VERNON INC.
 FACILITY LOCATION: MOUNT VERNON IN 47620
 RECEIVING WATER NAME: OHIO R
 REACH NUMBER: 05140202013 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IN0002101 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.1	0.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	1.26E+05	2.93E+04	2.24E+04	1.77E+04	NA
CONCENTRATION (µg/L)	7.92E-04	3.41E-03	4.46E-03	5.64E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.98E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.29E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.29E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:4

Number of Release Sites: 1.

Release Activity: SABIC-IN 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	28.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.40 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:4 RELEASE ACTIVITY: SABIC-IN 20 dy
 FACILITY NAME: GE PLASTICS MT. VERNON INC.
 FACILITY LOCATION: MOUNT VERNON IN 47620
 RECEIVING WATER NAME: OHIO R
 REACH NUMBER: 05140202013 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IN0002101 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	1.4	1.40	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	1.26E+05	2.93E+04	2.24E+04	1.77E+04	NA
CONCENTRATION (µg/L)	1.11E-02	4.78E-02	6.24E-02	7.89E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.34E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.57E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.81E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:5

Number of Release Sites: 1.

Release Activity: SABIC-NY 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:5 RELEASE ACTIVITY: SABIC-NY 250 dy
 FACILITY NAME: G E PLASTICS - SELKIRK OPER
 FACILITY LOCATION: SELKIRK NY 12158
 RECEIVING WATER NAME: HUDSON R
 REACH NUMBER: 02020006041 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0007072 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.03	3.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.20E+04	9341.45	6866.81	5475.75	NA
CONCENTRATION (µg/L)	1.36E-03	3.21E-03	4.37E-03	5.48E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.13E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.95E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.22E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:6

Number of Release Sites: 1.

Release Activity: SABIC-NY 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	8.80 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.44 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:6 RELEASE ACTIVITY: SABIC-NY 20 dy
 FACILITY NAME: G E PLASTICS - SELKIRK OPER
 FACILITY LOCATION: SELKIRK NY 12158
 RECEIVING WATER NAME: HUDSON R
 REACH NUMBER: 02020006041 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0007072 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.44	0.44	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.20E+04	9341.45	6866.81	5475.75	NA
CONCENTRATION (µg/L)	2.00E-02	4.71E-02	6.41E-02	8.04E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	6.02E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.63E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.78E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:7

Number of Release Sites: 1.

Release Activity: Equistar 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 7

Number of Sites: 1

RELEASE ACTIVITY: Equistar
250 dy

SIC-CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

SIC-CODE (S): 2821,2823,2824

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.03	3.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	1321.81	604.40	403.46	328.18	2.27E-02	4.96E-02	7.44E-02	9.14E-02
ALL	10	44.53	13.72	8.02	7.44	0.67	2.19	3.74	4.03

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	8.55E-08	2.54E-06	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	6.58E-06	1.95E-04	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.88E-06	8.28E-05	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 7 RELEASE ACTIVITY: Equistar 250 dy

SIC CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

ASSOCIATED SIC CODES: 2821,2823,2824

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	3.00E-02	0.00	High
151.00	0	0	250.00	3.00E-02	0.00	High
1800.00	0	0	250.00	3.00E-02	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:8

Number of Release Sites: 1.

Release Activity: Equistar 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	8.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.43 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 8

Number of Sites: 1

RELEASE ACTIVITY: Equistar
20 dy

SIC-CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

SIC-CODE (S): 2821,2823,2824

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.43	0.43	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	1321.81	604.40	403.46	328.18	0.33	0.71	1.07	1.31
ALL	10	44.53	13.72	8.02	7.44	9.66	31.34	53.62	57.80

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	9.80E-08	2.91E-06	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	7.54E-06	2.24E-04	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	2.69E-05	1.19E-03	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 8

RELEASE ACTIVITY: Equistar 20 dy

SIC CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

ASSOCIATED SIC CODES: 2821,2823,2824

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	1	20.00	0.43	0.00	High
151.00	0	1	20.00	0.43	0.00	High
1800.00	0	0	20.00	0.43	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:9

Number of Release Sites: 1.

Release Activity: CHEMOURS 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:9 RELEASE ACTIVITY: CHEMOURS 250 dy
 FACILITY NAME: E I DUPONT DE NEMOURS & CO
 FACILITY LOCATION: PARKERSBURG WV 26181
 RECEIVING WATER NAME: OHIO R
 REACH NUMBER: 05030202039 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0001279 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.03	3.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	4.75E+04	1.34E+04	9979.15	7936.80	NA
CONCENTRATION (µg/L)	6.31E-04	2.24E-03	3.01E-03	3.78E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.38E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.83E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	8.48E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 10

Number of Release Sites: 1.

Release Activity: CHEMOURS 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	7.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.37 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:10 RELEASE ACTIVITY: CHEMOURS 20 dy
 FACILITY NAME: E I DUPONT DE NEMOURS & CO
 FACILITY LOCATION: PARKERSBURG WV 26181
 RECEIVING WATER NAME: OHIO R
 REACH NUMBER: 05030202039 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WV0001279 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.37	0.37	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	4.75E+04	1.34E+04	9979.15	7936.80	NA
CONCENTRATION (µg/L)	7.79E-03	2.76E-02	3.71E-02	4.66E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.35E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.81E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.05E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 11

Number of Release Sites: 1.

Release Activity: SHINTECH 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:11 RELEASE ACTIVITY: SHINTECH 250 dy
 FACILITY NAME: SHINTECH LOUISIANA LLC
 FACILITY LOCATION: ADDIS LA 70710
 RECEIVING WATER NAME: MISSISSIPPI R
 REACH NUMBER: 08070100007 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: LA0055794 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.01	1.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8.12E+05	2.98E+05	2.47E+05	1.92E+05	NA
CONCENTRATION (µg/L)	1.23E-05	3.36E-05	4.05E-05	5.20E-05	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.64E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.57E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.27E-09 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 12

Number of Release Sites: 1.

Release Activity: SHINTECH 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.13 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:12 RELEASE ACTIVITY: SHINTECH 20 dy
 FACILITY NAME: SHINTECH LOUISIANA LLC
 FACILITY LOCATION: ADDIS LA 70710
 RECEIVING WATER NAME: MISSISSIPPI R
 REACH NUMBER: 08070100007 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: LA0055794 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.13	0.13	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	8.12E+05	2.98E+05	2.47E+05	1.92E+05	NA
CONCENTRATION (µg/L)	1.60E-04	4.37E-04	5.26E-04	6.77E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.82E-11 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.71E-09 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.65E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER: 12

RELEASE ACTIVITY: SHINTECH 20 dy

FACILITY NAME: SHINTECH LOUISIANA LLC

FACILITY LOCATION: ADDIS LA 70710

RECEIVING STREAM NAME: MISSISSIPPI R

REACH NUMBER: 08070100007

FACILITY ON REACH: Yes

DISCHARGE TYPE: Direct

NPDES PERMIT NUMBER: LA0055794

GAGING STATION ID: N/A

GAGING STATION PERIOD OF RECORD: N/A

GAGING STATION

NUMBER OF STATIONS ON

NUMBER OF OBSERVATIONS: N/A

REACH: N/A

MEAN FLOW (MLD): 1.14E+06

7q10 FLOW (MLD): 2.47E+05

EFFLUENT FLOW (MLD):3.59

RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Pre-treatment Loading (kg/site/day)	Waste Water Treatment (%)
90.00	0	0	20.00	0.13	0.00
151.00	0	0	20.00	0.13	0.00
1800.00	0	0	20.00	0.13	0.00

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 13

Number of Release Sites: 1.

Release Activity: STYROLUTION 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	0.25 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:13 RELEASE ACTIVITY: STYROLUTION 250 dy
 FACILITY NAME: BASF - JOLIET
 FACILITY LOCATION: CHANNAHON IL 60410
 RECEIVING WATER NAME: DES PLAINS R
 REACH NUMBER: 07120004002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IL0001619 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	7537.30	4032.40	2877.81	2308.84	NA
CONCENTRATION ($\mu\text{g/L}$)	1.33E-04	2.48E-04	3.47E-04	4.33E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.00E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.84E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	9.39E-09 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 14

Number of Release Sites: 1.

Release Activity: STYROLUTION 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:14 RELEASE ACTIVITY: STYROLUTION 20 dy
 FACILITY NAME: BASF - JOLIET
 FACILITY LOCATION: CHANNAHON IL 60410
 RECEIVING WATER NAME: DES PLAINS R
 REACH NUMBER: 07120004002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IL0001619 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.01	1.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	7537.30	4032.40	2877.81	2308.84	NA
CONCENTRATION ($\mu\text{g/L}$)	1.33E-03	2.48E-03	3.47E-03	4.33E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.00E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.08E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	9.39E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 15

Number of Release Sites: 1.

Release Activity: DOW 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.25 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:15 RELEASE ACTIVITY: DOW 250 dy
 FACILITY NAME: DOW CHEMICAL CO. (DALTON)
 FACILITY LOCATION: DALTON GA 30720
 RECEIVING WATER NAME: CONSAUGA R
 REACH NUMBER: 03150101001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: GA0000426 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	983.26	310.01	202.14	165.22	NA
CONCENTRATION (µg/L)	1.02E-03	3.23E-03	4.95E-03	6.05E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.83E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.95E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.22E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 16

Number of Release Sites: 1.

Release Activity: DOW 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PLAST00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:16 RELEASE ACTIVITY: DOW 20 dy
 FACILITY NAME: DOW CHEMICAL CO. (DALTON)
 FACILITY LOCATION: DALTON GA 30720
 RECEIVING WATER NAME: CONSAUGA R
 REACH NUMBER: 03150101001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: GA0000426 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.02	2.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	983.26	310.01	202.14	165.22	NA
CONCENTRATION ($\mu\text{g/L}$)	2.03E-02	6.45E-02	9.89E-02	0.12	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	6.13E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.72E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.44E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 17

Number of Release Sites: 1.

Release Activity: PREGIS 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.50E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 17

Number of Sites: 1

RELEASE ACTIVITY: PREGIS
250 dy

SIC-CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

SIC-CODE (S): 2821,2823,2824

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.0001	1.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	1321.81	604.40	403.46	328.18	7.57E-05	1.65E-04	2.48E-04	3.05E-04
ALL	10	44.53	13.72	8.02	7.44	2.25E-03	7.29E-03	1.25E-02	1.34E-02

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	2.85E-10	8.46E-09	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.19E-08	6.51E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	6.27E-09	2.76E-07	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 17

RELEASE ACTIVITY: PREGIS 250 dy

SIC CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

ASSOCIATED SIC CODES: 2821,2823,2824

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	1.00E-04	0.00	High
151.00	0	0	250.00	1.00E-04	0.00	High
1800.00	0	0	250.00	1.00E-04	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 18

Number of Release Sites: 1.

Release Activity: PREGIS 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.40E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.20E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 18

Number of Sites: 1

RELEASE ACTIVITY: PREGIS
20 dy

SIC-CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

SIC-CODE (S): 2821,2823,2824

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.0012	1.20E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	1321.81	604.40	403.46	328.18	9.08E-04	1.99E-03	2.97E-03	3.66E-03
ALL	10	44.53	13.72	8.02	7.44	2.69E-02	8.75E-02	0.15	0.16

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	2.74E-10	8.12E-09	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.10E-08	6.25E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	7.52E-08	3.31E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PLAST00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 18

RELEASE ACTIVITY: PREGIS 20 dy

SIC CODE DESCRIPTION: Plastic Resins & Synthetic Fiber Manufacture

ASSOCIATED SIC CODES: 2821,2823,2824

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	1.20E-03	0.00	High
151.00	0	0	20.00	1.20E-03	0.00	High
1800.00	0	0	20.00	1.20E-03	0.00	High

7. OES: PHARMACEUTICAL

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: Abbvie 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	8.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:1 RELEASE ACTIVITY: Abbvie 300 dy
 FACILITY NAME: NSSD GURNEE STP
 FACILITY LOCATION: GURNEE IL 60031
 RECEIVING WATER NAME: DES PLAINS R
 REACH NUMBER: 07120004011 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IL0035092 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	0.008	3.44E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	221.58	67.37	41.63	41.63	NA
CONCENTRATION ($\mu\text{g/L}$)	1.55E-02	5.11E-02	8.26E-02	8.26E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	7.02E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	5.40E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.93E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: Euticals 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:2 RELEASE ACTIVITY: Euticals 300 dy
 FACILITY NAME: SPRINGFIELD SW WWTP
 FACILITY LOCATION: SPRINGFIELD MO 65801
 RECEIVING WATER NAME: WILSON CR
 REACH NUMBER: 11010002017 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MO0049522 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	0.002	8.60E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	212.83	154.66	98.41	98.41	NA
CONCENTRATION ($\mu\text{g/L}$)	4.04E-03	5.56E-03	8.74E-03	8.74E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.83E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.41E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.11E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:3

Number of Release Sites: 1.

Release Activity: Mallinckrodt 300

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	2.40E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:3 RELEASE ACTIVITY: Mallinckrodt 300

FACILITY NAME: MSD BISSEL POINT WWTP

FACILITY LOCATION: ST. LOUIS MO 63147

RECEIVING WATER NAME: MISSISSIPPI R

REACH NUMBER: 07140101014 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct

NPDES PERMIT #: MO0025178 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	0.024	1.03E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.78E+05	1.02E+05	8.15E+04	6.38E+04	NA
CONCENTRATION (µg/L)	3.71E-05	1.01E-04	1.27E-04	1.62E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.68E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.29E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.84E-09 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:4

Number of Release Sites: 1.

Release Activity: Noramco 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	8.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:4 RELEASE ACTIVITY: Noramco 300 dy
 FACILITY NAME: CITY OF WILMINGTON/US FILTER
 FACILITY LOCATION: WILMINGTON DE 19802
 RECEIVING WATER NAME: DELAWARE R
 REACH NUMBER: 02040204053 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: DE0020320 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	0.008	3.44E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.42E+04	9166.39	6733.64	5370.29	NA
CONCENTRATION ($\mu\text{g/L}$)	1.42E-04	3.75E-04	5.11E-04	6.41E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	6.44E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.95E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.42E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:5

Number of Release Sites: 1.

Release Activity: Amri 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	339.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	1.13 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:5 RELEASE ACTIVITY: Amri 300 dy
 FACILITY NAME: RENSSELAER COUNTY SD#1 WWTP
 FACILITY LOCATION: TROY NY 12180
 RECEIVING WATER NAME: HUDSON R
 REACH NUMBER: 02020006048 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0087971 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	1.13	0.49	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.17E+04	9308.49	6841.73	5455.89	NA
CONCENTRATION (µg/L)	2.24E-02	5.22E-02	7.10E-02	8.91E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.01E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	7.78E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.98E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:6

Number of Release Sites: 1.

Release Activity: ERSquibb 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	114.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	0.38 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 6	RELEASE ACTIVITY: ERSquibb 300 dy	
FACILITY NAME: MIDDLESEX CNTY UA		
FACILITY LOCATION: SAYREVILLE NJ 08872		
RECEIVING WATER NAME: RARITAN BAY		
REACH NUMBER: 02030104005	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NJ0020141	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
57.	300.	321.00	0.38	0.16	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	5.00	0.10
CHRONIC SCENARIO	10.00	5.09E-02

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:7

Number of Release Sites: 1.

Release Activity: Evonik 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:7 RELEASE ACTIVITY: Evonik 300 dy
 FACILITY NAME: ELI LILLY & CO. TIPPECANOE LAB
 FACILITY LOCATION: LAFAYETTE IN 479099201
 RECEIVING WATER NAME: WABASH R
 REACH NUMBER: 05120108018 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IN0002861 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	300.	0.01	1.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	5531.36	1670.95	1156.10	933.47	NA
CONCENTRATION ($\mu\text{g/L}$)	1.81E-03	5.98E-03	8.65E-03	1.07E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	8.17E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	6.29E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.27E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:8

Number of Release Sites: 1.

Release Activity: Evonik 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.11 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:8 RELEASE ACTIVITY: Evonik 20 dy
 FACILITY NAME: ELI LILLY & CO. TIPPECANOE LAB
 FACILITY LOCATION: LAFAYETTE IN 479099201
 RECEIVING WATER NAME: WABASH R
 REACH NUMBER: 05120108018 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IN0002861 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.11	0.11	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	5531.36	1670.95	1156.10	933.47	NA
CONCENTRATION ($\mu\text{g/L}$)	1.99E-02	6.58E-02	9.51E-02	0.12	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.99E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.61E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.49E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:9

Number of Release Sites: 1.

Release Activity: Pacira 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	42.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	0.14 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 9	RELEASE ACTIVITY: Pacira 300 dy	
FACILITY NAME: SAN DIEGO CITY OF		
FACILITY LOCATION: SAN DIEGO CA 92101		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070304015	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0107409	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
57.	300.	416.35	0.14	6.02E-02	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	0.14
CHRONIC SCENARIO	1.00	0.14

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 10

Number of Release Sites: 1.

Release Activity: PCI 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:10 RELEASE ACTIVITY: PCI 300 dy
 FACILITY NAME: NEWBURYPORT W P C F
 FACILITY LOCATION: NEWBURYPORT MA 01950
 RECEIVING WATER NAME: MERRIMACK R
 REACH NUMBER: 01070002001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MA0101427 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	0.002	8.60E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	9418.79	3574.85	2540.48	2039.98	NA
CONCENTRATION (µg/L)	9.13E-05	2.41E-04	3.39E-04	4.22E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.13E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.18E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	9.11E-09 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 11

Number of Release Sites: 1.

Release Activity: Pfizer 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	20.10 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	6.70E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 11	RELEASE ACTIVITY: Pfizer 300 dy	
FACILITY NAME: PRASA BARCELONETA		
FACILITY LOCATION: BARCELONETA PR 00617		
RECEIVING WATER NAME:		
REACH NUMBER: 18100200023	FACILITY ON REACH: Unk	DISCHARGE TYPE: Direct
NPDES PERMIT #: PR0021237	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
57.	300.	31.44	0.067	2.88E-02	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	375.00	2.44E-03
CHRONIC SCENARIO	375.00	2.44E-03

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 12

Number of Release Sites: 1.

Release Activity: PharmaciaDirect 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.10 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	7.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:12 RELEASE ACTIVITY: PharmaciaDirect 300 dy
 FACILITY NAME: PHARMACIA & UPJOHN-PORTAGE RD
 FACILITY LOCATION: KALAMAZOO MI 49001
 RECEIVING WATER NAME: PORTAGE R
 REACH NUMBER: 04050001056 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MI0002941 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	300.	0.007	7.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	111.17	109.24	68.66	68.66	NA
CONCENTRATION (µg/L)	6.30E-02	6.41E-02	0.10	0.10	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.85E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.19E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.43E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 13

Number of Release Sites: 1.

Release Activity: PharmaciaDirect 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	2.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.11 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:13 RELEASE ACTIVITY: PharmaciaDirect 20 dy
 FACILITY NAME: PHARMACIA & UPJOHN-PORTAGE RD
 FACILITY LOCATION: KALAMAZOO MI 49001
 RECEIVING WATER NAME: PORTAGE R
 REACH NUMBER: 04050001056 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MI0002941 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.11	0.11	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	111.17	109.24	68.66	68.66	NA
CONCENTRATION (µg/L)	0.99	1.01	1.60	1.60	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.98E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.29E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.81E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 14

Number of Release Sites: 1.

Release Activity: PharmaciaIndirect 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	2268.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	7.56 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:14 RELEASE ACTIVITY: PharmaciaIndirect 300 dy
 FACILITY NAME: KALAMAZOO WWTP
 FACILITY LOCATION: KALAMAZOO MI 490072565
 RECEIVING WATER NAME: KALAMAZOO R
 REACH NUMBER: 04050003015 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MI0023299 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	7.56	3.25	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	1546.68	834.53	563.46	457.25	NA
CONCENTRATION (µg/L)	2.10	3.90	5.77	7.11	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	9.50E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	7.31E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.48E-04 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 15

Number of Release Sites: 1.

Release Activity: SI 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	30.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	0.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:15 RELEASE ACTIVITY: SI 300 dy
 FACILITY NAME: ALBEMARLE CORP/ORANGEBURG
 FACILITY LOCATION: ORANGEBURG SC 29115
 RECEIVING WATER NAME: EDISTO R N FK
 REACH NUMBER: 03050203003 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: SC0001180 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	300.	0.1	0.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	469.68	176.11	112.57	92.39	NA
CONCENTRATION (µg/L)	0.21	0.57	0.89	1.08	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	9.62E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	7.40E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.15E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 16

Number of Release Sites: 1.

Release Activity: SI 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	42.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	2.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:16 RELEASE ACTIVITY: SI 20 dy
 FACILITY NAME: ALBEMARLE CORP/ORANGEBURG
 FACILITY LOCATION: ORANGEBURG SC 29115
 RECEIVING WATER NAME: EDISTO R N FK
 REACH NUMBER: 03050203003 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: SC0001180 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	2.1	2.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	469.68	176.11	112.57	92.39	NA
CONCENTRATION (µg/L)	4.47	11.92	18.66	22.73	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.35E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.04E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.52E-04 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 17

Number of Release Sites: 1.

Release Activity: Teva 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	111.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	0.37 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:17 RELEASE ACTIVITY: Teva 300 dy
 FACILITY NAME: MEXICO WWTP
 FACILITY LOCATION: MEXICO MO 65265
 RECEIVING WATER NAME: SALT R S FK
 REACH NUMBER: 07110006021 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: MO0036242 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	300.	0.37	0.16	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	34.44	12.98	7.57	7.57	NA
CONCENTRATION (µg/L)	4.62	12.26	21.02	21.02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.09E-05 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.61E-03 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.64E-04 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 18

Number of Release Sites: 1.

Release Activity: Degussa 300 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	300.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:18 RELEASE ACTIVITY: Degussa 300 dy
 FACILITY NAME: ELI LILLY & CO. TIPPECANOE LAB
 FACILITY LOCATION: LAFAYETTE IN 479099201
 RECEIVING WATER NAME: WABASH R
 REACH NUMBER: 05120108018 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IN0002861 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	300.	0.01	1.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	5531.36	1670.95	1156.10	933.47	NA
CONCENTRATION ($\mu\text{g/L}$)	1.81E-03	5.98E-03	8.65E-03	1.07E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	8.17E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	6.29E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.27E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-PHARM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 19

Number of Release Sites: 1.

Release Activity: Degussa 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.13 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-PHARM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:19 RELEASE ACTIVITY: Degussa 20 dy
 FACILITY NAME: ELI LILLY & CO. TIPPECANOE LAB
 FACILITY LOCATION: LAFAYETTE IN 479099201
 RECEIVING WATER NAME: WABASH R
 REACH NUMBER: 05120108018 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IN0002861 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.13	0.13	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	5531.36	1670.95	1156.10	933.47	NA
CONCENTRATION (µg/L)	2.35E-02	7.78E-02	0.11	0.14	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	7.08E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	5.45E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.95E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

8. OES: CTA FILM MANUFACTURING

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FILM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: KODAK 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	25.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	0.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FILM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:1 RELEASE ACTIVITY: KODAK 250 dy
 FACILITY NAME: EASTMAN KODAK CO
 FACILITY LOCATION: ROCHESTER NY 14652
 RECEIVING WATER NAME: GENESEE R
 REACH NUMBER: 04130003001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0001643 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.1	0.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3565.85	1528.47	1054.21	851.75	NA
CONCENTRATION (µg/L)	2.80E-02	6.54E-02	9.49E-02	0.12	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.06E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	8.13E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.48E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FILM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: KODAK 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	28.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.40 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FILM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:2 RELEASE ACTIVITY: KODAK 20 dy
 FACILITY NAME: EASTMAN KODAK CO
 FACILITY LOCATION: ROCHESTER NY 14652
 RECEIVING WATER NAME: GENESEE R
 REACH NUMBER: 04130003001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0001643 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	1.4	1.40	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3565.85	1528.47	1054.21	851.75	NA
CONCENTRATION (µg/L)	0.39	0.92	1.33	1.64	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.18E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	9.10E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.47E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

9. OES: LITHOGRAPHIC PRINTER CLEANER

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FILM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: KODAK 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	25.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	0.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FILM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:1 RELEASE ACTIVITY: KODAK 250 dy
 FACILITY NAME: EASTMAN KODAK CO
 FACILITY LOCATION: ROCHESTER NY 14652
 RECEIVING WATER NAME: GENESEE R
 REACH NUMBER: 04130003001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0001643 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.1	0.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3565.85	1528.47	1054.21	851.75	NA
CONCENTRATION ($\mu\text{g/L}$)	2.80E-02	6.54E-02	9.49E-02	0.12	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.06E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	8.13E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.48E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-FILM00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: KODAK 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	28.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.40 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-FILM00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:2 RELEASE ACTIVITY: KODAK 20 dy
 FACILITY NAME: EASTMAN KODAK CO
 FACILITY LOCATION: ROCHESTER NY 14652
 RECEIVING WATER NAME: GENESEE R
 REACH NUMBER: 04130003001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NY0001643 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	1.4	1.40	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3565.85	1528.47	1054.21	851.75	NA
CONCENTRATION (µg/L)	0.39	0.92	1.33	1.64	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.18E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	9.10E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.47E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

10. OES: SPOT CLEANER

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-SPOT00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: BOISE 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	5.00E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-SPOT00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:1 RELEASE ACTIVITY: BOISE 250 dy
 FACILITY NAME: BOISE CITY OF
 FACILITY LOCATION: BOISE ID 83703
 RECEIVING WATER NAME: BOISE R
 REACH NUMBER: 17050114026 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: ID0020443 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.0002	2.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	562.40	64.58	39.85	39.85	NA
CONCENTRATION (µg/L)	3.56E-04	3.10E-03	5.02E-03	5.02E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.34E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.03E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.17E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-SPOT00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: BOISE 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	6.00E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-SPOT00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:2 RELEASE ACTIVITY: BOISE 20 dy
 FACILITY NAME: BOISE CITY OF
 FACILITY LOCATION: BOISE ID 83703
 RECEIVING WATER NAME: BOISE R
 REACH NUMBER: 17050114026 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: ID0020443 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.003	3.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	562.40	64.58	39.85	39.85	NA
CONCENTRATION (µg/L)	5.33E-03	4.65E-02	7.53E-02	7.53E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.61E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.24E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.76E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

11. OES: RECYCLING AND DISPOSAL

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: Johnson 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	625.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	2.50 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1 Number of Sites: 1 RELEASE ACTIVITY: Johnson
250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.00	250.	2.5	1.07	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	3.73	8.68	13.75	16.28
ALL	10	39.60	13.29	7.76	7.57	27.15	80.89	138.53	142.01

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.41E-05	1.02E-04	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.08E-03	7.87E-03	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	3.29E-04	3.06E-03	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: CleanHarborsTX 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	525.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	2.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 2 Number of Sites: 1 RELEASE
ACTIVITY: Clean Harbors TX 250
dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.00	250.	2.1	0.90	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER									
PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	3.14	7.29	11.55	13.67
ALL	10	39.60	13.29	7.76	7.57	22.80	67.95	116.37	119.29

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES						
Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.18E-05	8.59E-05	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	9.09E-04	6.61E-03	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	2.76E-04	2.57E-03	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 2 RELEASE ACTIVITY: CleanHarborsTX 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	14	52	250.00	2.10	57.00	High
151.00	7	26	250.00	2.10	57.00	High
1800.00	0	0	250.00	2.10	57.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:3

Number of Release Sites: 1.

Release Activity: CleanHarborsAR 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	112.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	0.45 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 3

Number of Sites: 1

RELEASE

ACTIVITY: Clean Harbors AR 250
dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.00	250.	0.45	0.19	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	0.67	1.56	2.48	2.93
ALL	10	39.60	13.29	7.76	7.57	4.89	14.56	24.94	25.56

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	2.53E-06	1.84E-05	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.95E-04	1.42E-03	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	5.92E-05	5.51E-04	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 3 RELEASE ACTIVITY: CleanHarborsAR 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	1	4	250.00	0.45	57.00	High
151.00	0	1	250.00	0.45	57.00	High
1800.00	0	0	250.00	0.45	57.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:4

Number of Release Sites: 1.

Release Activity: Tradebe 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	19.05 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	7.62E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 4

Number of Sites: 1

RELEASE ACTIVITY: Tradebe
250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.00	250.	0.0762	3.28E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	0.11	0.26	0.42	0.50
ALL	10	39.60	13.29	7.76	7.57	0.83	2.47	4.22	4.33

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	4.29E-07	3.12E-06	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	3.30E-05	2.40E-04	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.00E-05	9.34E-05	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 4

RELEASE ACTIVITY: Tradebe 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	7.62E-02	57.00	High
151.00	0	0	250.00	7.62E-02	57.00	High
1800.00	0	0	250.00	7.62E-02	57.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:5

Number of Release Sites: 1.

Release Activity: VeoliaOH 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-RECYC57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:5 RELEASE ACTIVITY: VeoliaOH 250 dy
 FACILITY NAME: MONTGOMERY CO. - WESTERN REG.
 FACILITY LOCATION: WEST CARROLLTON OH 45439
 RECEIVING WATER NAME: GREAT MIAMI R
 REACH NUMBER: 05080002009 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: OH0026638 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	250.	0.01	4.30E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2284.23	789.03	531.69	431.64	NA
CONCENTRATION (µg/L)	1.88E-03	5.45E-03	8.09E-03	9.96E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	7.09E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	5.46E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.06E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:6

Number of Release Sites: 1.

Release Activity: VeoliaCA 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.45 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.80E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-RECYC57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:6 RELEASE ACTIVITY: VeoliaCA 250 dy
 FACILITY NAME: LOS ANGELES COUNTY SAN DIST
 FACILITY LOCATION: WHITTIER CA 90607
 RECEIVING WATER NAME: SAN GABRIEL R
 REACH NUMBER: 18070106006 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0053911 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	250.	0.0018	7.74E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	285.78	327.60	214.03	214.03	NA
CONCENTRATION (µg/L)	2.71E-03	2.36E-03	3.62E-03	3.62E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.02E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	7.85E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	8.95E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:7

Number of Release Sites: 1.

Release Activity: VeoliaNJ1 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	5.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-RECYC57

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 7	RELEASE ACTIVITY: VeoliaNJ1 250 dy	
FACILITY NAME: MIDDLESEX CNTY UA		
FACILITY LOCATION: SAYREVILLE NJ 08872		
RECEIVING WATER NAME: RARITAN BAY		
REACH NUMBER: 02030104005	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NJ0020141	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
57.	250.	321.00	0.02	8.60E-03	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	5.00	5.36E-03
CHRONIC SCENARIO	10.00	2.68E-03

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:8

Number of Release Sites: 1.

Release Activity: VeoliaNJ2 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.65E+04 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	306.00 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 8 Number of Sites: 1 RELEASE
ACTIVITY: VeoliaNJ2 250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.00	250.	306.	131.58	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	456.87	1062.50	1683.04	1992.13
ALL	10	39.60	13.29	7.76	7.57	3322.73	9900.68	1.70E+04	1.74E+04

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.72E-03	1.25E-02	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	0.13	0.96	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	4.02E-02	0.37	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 8

RELEASE ACTIVITY: VeoliaNJ2 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	68	250	250.00	306.00	57.00	High
151.00	68	250	250.00	306.00	57.00	High
1800.00	54	196	250.00	306.00	57.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:9

Number of Release Sites: 1.

Release Activity: VeoliaNJ3 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.68E+04 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	147.00 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 10

Number of Release Sites: 1.

Release Activity: VeoliaNJ4 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1975.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	7.90 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 10

Number of Sites: 1

RELEASE

ACTIVITY: VeoliaNJ4 250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.00	250.	7.9	3.40	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	11.80	27.43	43.45	51.43
ALL	10	39.60	13.29	7.76	7.57	85.78	255.61	437.76	448.75

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	4.44E-05	3.23E-04	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	3.42E-03	2.49E-02	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.04E-03	9.68E-03	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC57

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 10

RELEASE ACTIVITY: VeoliaNJ4 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	41	151	250.00	7.90	57.00	High
151.00	30	111	250.00	7.90	57.00	High
1800.00	1	3	250.00	7.90	57.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 11

Number of Release Sites: 1.

Release Activity: CWM 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.58 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.43E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 11 Number of Sites: 1 RELEASE ACTIVITY:CWM 250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.0143	1.43E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	4.97E-02	0.12	0.18	0.22
ALL	10	39.60	13.29	7.76	7.57	0.36	1.08	1.84	1.89

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.87E-07	1.36E-06	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.44E-05	1.05E-04	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	4.37E-06	4.08E-05	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 11

RELEASE ACTIVITY: CWM 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	1.43E-02	0.00	High
151.00	0	0	250.00	1.43E-02	0.00	High
1800.00	0	0	250.00	1.43E-02	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 12

Number of Release Sites: 1.

Release Activity: CWM 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.58 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.18 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 12 Number of Sites: 1 RELEASE ACTIVITY:CWM 20 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.1792	0.18	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	0.62	1.45	2.29	2.71
ALL	10	39.60	13.29	7.76	7.57	4.53	13.48	23.09	23.67

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.88E-07	1.36E-06	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.44E-05	1.05E-04	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	5.48E-05	5.11E-04	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 12

RELEASE ACTIVITY: CWM 20 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	0.18	0.00	High
151.00	0	0	20.00	0.18	0.00	High
1800.00	0	0	20.00	0.18	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 13

Number of Release Sites: 1.

Release Activity: Oiltanking 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.75 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-RECYC00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:13 RELEASE ACTIVITY: Oiltanking 250 dy
 FACILITY NAME: S.I. ENTERPRISES LLC
 FACILITY LOCATION: HOUSTON TX 77015
 RECEIVING WATER NAME: CARPENTERS BAYOU
 REACH NUMBER: 12040104010 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TX0065943 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.003	3.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	9.41	0.87	0.46	0.39	NA
CONCENTRATION (µg/L)	0.32	3.46	6.52	7.65	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.20E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	9.24E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.31E-04 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 14

Number of Release Sites: 1.

Release Activity: Oiltanking 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.83 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	4.14E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-RECYC00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:14 RELEASE ACTIVITY: Oiltanking 20 dy
 FACILITY NAME: S.I. ENTERPRISES LLC
 FACILITY LOCATION: HOUSTON TX 77015
 RECEIVING WATER NAME: CARPENTERS BAYOU
 REACH NUMBER: 12040104010 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: TX0065943 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.0414	4.14E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	9.41	0.87	0.46	0.39	NA
CONCENTRATION (µg/L)	4.40	47.72	90.00	105.52	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.33E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.02E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.81E-03 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 15

Number of Release Sites: 1.

Release Activity: Howard 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	5.00E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 15

Number of Sites: 1

RELEASE ACTIVITY: Howard
250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.0002	2.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	6.94E-04	1.61E-03	2.56E-03	3.03E-03
ALL	10	39.60	13.29	7.76	7.57	5.05E-03	1.50E-02	2.58E-02	2.64E-02

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	2.62E-09	1.90E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.01E-07	1.46E-06	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	6.12E-08	5.70E-07	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 15

RELEASE ACTIVITY: Howard 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	2.00E-04	0.00	High
151.00	0	0	250.00	2.00E-04	0.00	High
1800.00	0	0	250.00	2.00E-04	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 16

Number of Release Sites: 1.

Release Activity: Howard 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	6.00E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 16 Number of Sites: 1 RELEASE ACTIVITY: Howard
20 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.003	3.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	1.04E-02	2.42E-02	3.84E-02	4.54E-02
ALL	10	39.60	13.29	7.76	7.57	7.58E-02	0.23	0.39	0.40

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	3.14E-09	2.28E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.41E-07	1.76E-06	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	9.18E-07	8.55E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 16

RELEASE ACTIVITY: Howard 20 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	3.00E-03	0.00	High
151.00	0	0	20.00	3.00E-03	0.00	High
1800.00	0	0	20.00	3.00E-03	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 17

Number of Release Sites: 1.

Release Activity: Clifford 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	2.50E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 17

Number of Sites: 1

RELEASE ACTIVITY: Clifford
250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.0001	1.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	3.47E-04	8.07E-04	1.28E-03	1.51E-03
ALL	10	39.60	13.29	7.76	7.57	2.53E-03	7.52E-03	1.29E-02	1.32E-02

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.31E-09	9.51E-09	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.01E-07	7.32E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	3.06E-08	2.85E-07	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 17

RELEASE ACTIVITY: Clifford 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	1.00E-04	0.00	High
151.00	0	0	250.00	1.00E-04	0.00	High
1800.00	0	0	250.00	1.00E-04	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 18

Number of Release Sites: 1.

Release Activity: Clifford 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.40E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.20E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 18

Number of Sites: 1

RELEASE ACTIVITY: Clifford
20 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.0012	1.20E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	4.17E-03	9.69E-03	1.53E-02	1.82E-02
ALL	10	39.60	13.29	7.76	7.57	3.03E-02	9.03E-02	0.15	0.16

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.26E-09	9.13E-09	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	9.66E-08	7.02E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	3.67E-07	3.42E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 18

RELEASE ACTIVITY: Clifford 20 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	1.20E-03	0.00	High
151.00	0	0	20.00	1.20E-03	0.00	High
1800.00	0	0	20.00	1.20E-03	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 19

Number of Release Sites: 1.

Release Activity: CleanWaterNY 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.38 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	9.50E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-RECYC00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 19	RELEASE ACTIVITY: CleanWaterNY 250 dy	
FACILITY NAME: ISP ENVIRONMENTAL SERVICES INC		
FACILITY LOCATION: LINDEN NJ 07036		
RECEIVING WATER NAME: NEWARK BAY		
REACH NUMBER: 02030104002	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NJ0000019	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	250.	0.34	0.0095	9.50E-03	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	27.94
CHRONIC SCENARIO	10.00	2.79

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:20

Number of Release Sites: 1.

Release Activity: Carborundum 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.25 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 20

Number of Sites: 1

RELEASE

ACTIVITY: Carborundum 250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	3.47E-03	8.07E-03	1.28E-02	1.51E-02
ALL	10	39.60	13.29	7.76	7.57	2.53E-02	7.52E-02	0.13	0.13

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.31E-08	9.51E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.01E-06	7.32E-06	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	3.06E-07	2.85E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-RECYC00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 20

RELEASE ACTIVITY: Carborundum 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	1.00E-03	0.00	High
151.00	0	0	250.00	1.00E-03	0.00	High
1800.00	0	0	250.00	1.00E-03	0.00	High

12. OES: OTHER

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: Applied 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	50.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	0.20 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1 Number of Sites: 1 RELEASE ACTIVITY: Applied
250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.00	250.	0.2	8.60E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	0.30	0.69	1.10	1.30
ALL	10	39.60	13.29	7.76	7.57	2.17	6.47	11.08	11.36

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.12E-06	8.18E-06	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	8.65E-05	6.29E-04	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	2.63E-05	2.45E-04	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1

RELEASE ACTIVITY: Applied 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	15	55	250.00	0.20	57.00	High
151.00	0	1	250.00	0.20	57.00	High
1800.00	0	0	250.00	0.20	57.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: EMD 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-Other00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:2 RELEASE ACTIVITY: EMD 250 dy
 FACILITY NAME: JAFFREY W W T F
 FACILITY LOCATION: JAFFREY NH 03452
 RECEIVING WATER NAME: CONTOOCCOOK R
 REACH NUMBER: 01070003024 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: NH0100595 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
57.	250.	0.01	4.30E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	121.19	37.76	22.86	18.97	NA
CONCENTRATION ($\mu\text{g/L}$)	3.55E-02	0.11	0.19	0.23	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.34E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.03E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.31E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:3

Number of Release Sites: 1.

Release Activity: GBC 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.25 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-Other00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:3 RELEASE ACTIVITY: GBC 250 dy
 FACILITY NAME: OLIN CORPORATION SOMERS THIN S
 FACILITY LOCATION: WATERBURY CT 06706
 RECEIVING WATER NAME: NAUGATUCK R
 REACH NUMBER: 01100005002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CT0021873 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	550.85	225.04	145.09	118.86	NA
CONCENTRATION ($\mu\text{g/L}$)	1.82E-03	4.44E-03	6.89E-03	8.41E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	6.84E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	5.26E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.68E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:4

Number of Release Sites: 1.

Release Activity: GBC 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.18 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	9.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-Other00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:4 RELEASE ACTIVITY: GBC 20 dy
 FACILITY NAME: OLIN CORPORATION SOMERS THIN S
 FACILITY LOCATION: WATERBURY CT 06706
 RECEIVING WATER NAME: NAUGATUCK R
 REACH NUMBER: 01100005002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CT0021873 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.009	9.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	550.85	225.04	145.09	118.86	NA
CONCENTRATION (µg/L)	1.63E-02	4.00E-02	6.20E-02	7.57E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.92E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.79E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.51E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:5

Number of Release Sites: 1.

Release Activity: Hyster 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.50E-04 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-06 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 5

Number of Sites: 1

RELEASE ACTIVITY:Hyster
250 dy

SIC-CODE DESCRIPTION: Motor Vehicle Manufacture

SIC-CODE (S): 3711,3713

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	1.00e-06	1.00E-06	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	281.14	130.69	82.66	67.99	3.56E-06	7.65E-06	1.21E-05	1.47E-05
ALL	10	13.93	8.70	5.00	4.20	7.18E-05	1.15E-04	2.00E-04	2.38E-04

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.34E-11	2.70E-10	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.03E-09	2.08E-08	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	2.90E-10	4.35E-09	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 5

RELEASE ACTIVITY: Hyster 250 dy

SIC CODE DESCRIPTION: Motor Vehicle Manufacture

ASSOCIATED SIC CODES: 3711,3713

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	1.00E-06	0.00	High
151.00	0	0	250.00	1.00E-06	0.00	High
1800.00	0	0	250.00	1.00E-06	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:6

Number of Release Sites: 1.

Release Activity: Hyster 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.40E-04 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.20E-05 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 6

Number of Sites: 1

RELEASE ACTIVITY:Hyster 20
dy

SIC-CODE DESCRIPTION: Motor Vehicle Manufacture

SIC-CODE (S): 3711,3713

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.00001	1.20E-05	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	281.14	130.69	82.66	67.99	4.27E-05	9.18E-05	1.45E-04	1.76E-04
ALL	10	13.93	8.70	5.00	4.20	8.61E-04	1.38E-03	2.40E-03	2.86E-03

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.29E-11	2.60E-10	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	9.89E-10	2.00E-08	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	3.48E-09	5.22E-08	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 6

RELEASE ACTIVITY: Hyster 20 dy

SIC CODE DESCRIPTION: Motor Vehicle Manufacture

ASSOCIATED SIC CODES: 3711,3713

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	1.20E-05	0.00	High
151.00	0	0	20.00	1.20E-05	0.00	High
1800.00	0	0	20.00	1.20E-05	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:7

Number of Release Sites: 1.

Release Activity: Avnet 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	5.00E-03 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-05 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 7

Number of Sites: 1

RELEASE ACTIVITY: Avnet 250
dy

SIC-CODE DESCRIPTION: Electronic Components Manufacture

SIC-CODE (S): 3674,3679

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.00002	2.00E-05	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	268.85	99.79	62.57	51.56	7.44E-05	2.00E-04	3.20E-04	3.88E-04
ALL	10	7.81	0.88	0.47	0.47	2.56E-03	2.27E-02	4.26E-02	4.26E-02

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	2.80E-10	9.65E-09	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.16E-08	7.42E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	7.59E-09	8.61E-07	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 7

RELEASE ACTIVITY: Avnet 250 dy

SIC CODE DESCRIPTION: Electronic Components Manufacture

ASSOCIATED SIC CODES: 3674,3679

SIC CODE RESULTS

COC ($\mu\text{g/L}$)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	2.00E-05	0.00	High
151.00	0	0	250.00	2.00E-05	0.00	High
1800.00	0	0	250.00	2.00E-05	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:8

Number of Release Sites: 1.

Release Activity: Avnet 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	4.00E-03 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 8

Number of Sites: 1

RELEASE ACTIVITY: Avnet 20
dy

SIC-CODE DESCRIPTION: Electronic Components Manufacture

SIC-CODE (S): 3674,3679

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.0002	2.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	268.85	99.79	62.57	51.56	7.44E-04	2.00E-03	3.20E-03	3.88E-03
ALL	10	7.81	0.88	0.47	0.47	2.56E-02	0.23	0.43	0.43

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	2.24E-10	7.72E-09	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.72E-08	5.94E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	7.59E-08	8.61E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 8

RELEASE ACTIVITY: Avnet 20 dy

SIC CODE DESCRIPTION: Electronic Components Manufacture

ASSOCIATED SIC CODES: 3674,3679

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	2.00E-04	0.00	High
151.00	0	0	20.00	2.00E-04	0.00	High
1800.00	0	0	20.00	2.00E-04	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:9

Number of Release Sites: 1.

Release Activity: Barge 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.50E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 9 Number of Sites: 1 RELEASE ACTIVITY: Barge 250 dy

SIC-CODE DESCRIPTION: Metal Finishing

SIC-CODE (S): 34xx - 39xx EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.0003	3.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	300.46	107.45	67.50	55.59	9.98E-04	2.79E-03	4.44E-03	5.40E-03
ALL	10	23.74	4.69	2.64	2.27	1.26E-02	6.40E-02	0.11	0.13

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	3.76E-09	4.76E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.89E-07	3.66E-06	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.06E-07	2.42E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 9

RELEASE ACTIVITY: Barge 250 dy

SIC CODE DESCRIPTION: Metal Finishing

ASSOCIATED SIC CODES: 34xx - 39xx

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	3.00E-04	0.00	High
151.00	0	0	250.00	3.00E-04	0.00	High
1800.00	0	0	250.00	3.00E-04	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 10

Number of Release Sites: 1.

Release Activity: Barge 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	6.00E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 10

Number of Sites: 1

RELEASE ACTIVITY: Barge 20
dy

SIC-CODE DESCRIPTION: Metal Finishing

SIC-CODE (S): 34xx - 39xx

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.003	3.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	300.46	107.45	67.50	55.59	9.98E-03	2.79E-02	4.44E-02	5.40E-02
ALL	10	23.74	4.69	2.64	2.27	0.13	0.64	1.14	1.32

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	3.01E-09	3.81E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.31E-07	2.93E-06	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.06E-06	2.42E-05	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 10

RELEASE ACTIVITY: Barge 20 dy

SIC CODE DESCRIPTION: Metal Finishing

ASSOCIATED SIC CODES: 34xx - 39xx

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	3.00E-03	0.00	High
151.00	0	0	20.00	3.00E-03	0.00	High
1800.00	0	0	20.00	3.00E-03	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 11

Number of Release Sites: 1.

Release Activity: AC&S 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	1.25E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	5.00E-05 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 11

Number of Sites: 1

RELEASE ACTIVITY: AC&S
250 dy

SIC-CODE DESCRIPTION: Metal Finishing

SIC-CODE (S): 34xx - 39xx

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.00005	5.00E-05	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	300.46	107.45	67.50	55.59	1.66E-04	4.65E-04	7.41E-04	8.99E-04
ALL	10	23.74	4.69	2.64	2.27	2.11E-03	1.07E-02	1.89E-02	2.20E-02

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	6.27E-10	7.93E-09	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	4.82E-08	6.10E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.76E-08	4.04E-07	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 11

RELEASE ACTIVITY: AC&S 250 dy

SIC CODE DESCRIPTION: Metal Finishing

ASSOCIATED SIC CODES: 34xx - 39xx

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	5.00E-05	0.00	High
151.00	0	0	250.00	5.00E-05	0.00	High
1800.00	0	0	250.00	5.00E-05	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 12

Number of Release Sites: 1.

Release Activity: AC&S 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.00E-02 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 12

Number of Sites: 1

RELEASE ACTIVITY: AC&S 20
dy

SIC-CODE DESCRIPTION: Metal Finishing

SIC-CODE (S): 34xx - 39xx

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	300.46	107.45	67.50	55.59	3.33E-03	9.31E-03	1.48E-02	1.80E-02
ALL	10	23.74	4.69	2.64	2.27	4.21E-02	0.21	0.38	0.44

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.00E-09	1.27E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	7.72E-08	9.77E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	3.52E-07	8.08E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 12

RELEASE ACTIVITY: AC&S 20 dy

SIC CODE DESCRIPTION: Metal Finishing

ASSOCIATED SIC CODES: 34xx - 39xx

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	1.00E-03	0.00	High
151.00	0	0	20.00	1.00E-03	0.00	High
1800.00	0	0	20.00	1.00E-03	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 13

Number of Release Sites: 1.

Release Activity: Moog 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.50E-03 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-05 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 13 Number of Sites: 1 RELEASE ACTIVITY: Moog 250 dy

SIC-CODE DESCRIPTION: Metal Finishing

SIC-CODE (S): 34xx - 39xx EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	0.00001	1.00E-05	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	300.46	107.45	67.50	55.59	3.33E-05	9.31E-05	1.48E-04	1.80E-04
ALL	10	23.74	4.69	2.64	2.27	4.21E-04	2.13E-03	3.79E-03	4.41E-03

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.25E-10	1.59E-09	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	9.64E-09	1.22E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	3.52E-09	8.08E-08	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 13

RELEASE ACTIVITY: Moog 250 dy

SIC CODE DESCRIPTION: Metal Finishing

ASSOCIATED SIC CODES: 34xx - 39xx

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	1.00E-05	0.00	High
151.00	0	0	250.00	1.00E-05	0.00	High
1800.00	0	0	250.00	1.00E-05	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 14

Number of Release Sites: 1.

Release Activity: Moog 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	4.00E-03 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 14

Number of Sites: 1

RELEASE ACTIVITY: Moog 20 dy

SIC-CODE DESCRIPTION: Metal Finishing

SIC-CODE (S): 34xx - 39xx

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.0002	2.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	300.46	107.45	67.50	55.59	6.66E-04	1.86E-03	2.96E-03	3.60E-03
ALL	10	23.74	4.69	2.64	2.27	8.42E-03	4.26E-02	7.58E-02	8.81E-02

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	2.01E-10	2.54E-09	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.54E-08	1.95E-07	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	7.05E-08	1.62E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 14

RELEASE ACTIVITY: Moog 20 dy

SIC CODE DESCRIPTION: Metal Finishing

ASSOCIATED SIC CODES: 34xx - 39xx

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	2.00E-04	0.00	High
151.00	0	0	20.00	2.00E-04	0.00	High
1800.00	0	0	20.00	2.00E-04	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 15

Number of Release Sites: 1.

Release Activity: Oiltanking 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.75 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-Other00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:15 RELEASE ACTIVITY: Oiltanking 250 dy
 FACILITY NAME: BASF - JOLIET
 FACILITY LOCATION: CHANNAHON IL 60410
 RECEIVING WATER NAME: DES PLAINS R
 REACH NUMBER: 07120004002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IL0001619 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.003	3.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	7537.30	4032.40	2877.81	2308.84	NA
CONCENTRATION (µg/L)	3.98E-04	7.44E-04	1.04E-03	1.30E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.50E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.15E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.82E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 16

Number of Release Sites: 1.

Release Activity: Oiltanking 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	0.64 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	3.20E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-Other00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:16 RELEASE ACTIVITY: Oiltanking 20 dy
 FACILITY NAME: BASF - JOLIET
 FACILITY LOCATION: CHANNAHON IL 60410
 RECEIVING WATER NAME: DES PLAINS R
 REACH NUMBER: 07120004002 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: IL0001619 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.032	3.20E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	7537.30	4032.40	2877.81	2308.84	NA
CONCENTRATION (µg/L)	4.25E-03	7.94E-03	1.11E-02	1.39E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.28E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	9.84E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.01E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 17

Number of Release Sites: 1.

Release Activity: Dynawave 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	22.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	9.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-Other00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:17 RELEASE ACTIVITY: Dynawave 250 dy
 FACILITY NAME: WEYERHAEUSER CO
 FACILITY LOCATION: LONGVIEW WA 98632
 RECEIVING WATER NAME: COLUMBIA R
 REACH NUMBER: 17080003028 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WA0000124 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.09	9.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	4.18E+05	1.53E+05	1.24E+05	9.69E+04	NA
CONCENTRATION (µg/L)	2.15E-04	5.88E-04	7.26E-04	9.28E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	8.11E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	6.24E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.23E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 18

Number of Release Sites: 1.

Release Activity: Dynawave 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	21.80 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.09 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-Other00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:18 RELEASE ACTIVITY: Dynawave 20 dy
 FACILITY NAME: WEYERHAEUSER CO
 FACILITY LOCATION: LONGVIEW WA 98632
 RECEIVING WATER NAME: COLUMBIA R
 REACH NUMBER: 17080003028 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WA0000124 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	1.09	1.09	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	4.18E+05	1.53E+05	1.24E+05	9.69E+04	NA
CONCENTRATION (µg/L)	2.61E-03	7.13E-03	8.79E-03	1.12E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	7.86E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	6.05E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.70E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-OTHER00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 19

Number of Release Sites: 1.

Release Activity: TreeTop 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.50E-03 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-05 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-OTHER00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:19 RELEASE ACTIVITY: TreeTop 250 dy
 FACILITY NAME: WENATCHEE CITY OF
 FACILITY LOCATION: WENATCHEE WA 98807
 RECEIVING WATER NAME: COLUMBIA R
 REACH NUMBER: 17020010037 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WA0023949 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.00003	3.00E-05	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.41E+05	1.08E+05	8.63E+04	6.76E+04	NA
CONCENTRATION (µg/L)	1.24E-07	2.78E-07	3.48E-07	4.44E-07	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.68E-13 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.60E-11 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.05E-11 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:20

Number of Release Sites: 1.

Release Activity: TreeTop 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.60E-03 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	3.80E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-Other00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:20 RELEASE ACTIVITY: TreeTop 20 dy
 FACILITY NAME: WENATCHEE CITY OF
 FACILITY LOCATION: WENATCHEE WA 98807
 RECEIVING WATER NAME: COLUMBIA R
 REACH NUMBER: 17020010037 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WA0023949 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.00038	3.80E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	2.41E+05	1.08E+05	8.63E+04	6.76E+04	NA
CONCENTRATION (µg/L)	1.57E-06	3.53E-06	4.40E-06	5.62E-06	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.75E-13 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.65E-11 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.34E-10 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:21

Number of Release Sites: 1.

Release Activity: Carousel 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	5.00E-04 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-06 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 21 Number of Sites: 1 RELEASE ACTIVITY: Carousel
250 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	250.	2.00e-06	2.00E-06	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	6.94E-06	1.61E-05	2.56E-05	3.03E-05
ALL	10	39.60	13.29	7.76	7.57	5.05E-05	1.50E-04	2.58E-04	2.64E-04

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	2.62E-11	1.90E-10	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.01E-09	1.46E-08	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	6.12E-10	5.70E-09	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 21

RELEASE ACTIVITY: Carousel 250 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	250.00	2.00E-06	0.00	High
151.00	0	0	250.00	2.00E-06	0.00	High
1800.00	0	0	250.00	2.00E-06	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:22

Number of Release Sites: 1.

Release Activity: Carousel 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	6.20E-04 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	3.10E-05 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 22

Number of Sites: 1

RELEASE ACTIVITY: Carousel
20 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.00003	3.10E-05	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	1.08E-04	2.50E-04	3.97E-04	4.69E-04
ALL	10	39.60	13.29	7.76	7.57	7.83E-04	2.33E-03	3.99E-03	4.10E-03

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	3.24E-11	2.36E-10	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.50E-09	1.81E-08	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	9.48E-09	8.83E-08	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-Other00

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 22

RELEASE ACTIVITY: Carousel 20 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	3.10E-05	0.00	High
151.00	0	0	20.00	3.10E-05	0.00	High
1800.00	0	0	20.00	3.10E-05	0.00	High

13. OES: DOD

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-DOD00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: ROBINS 250 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	250.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-DOD00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:1 RELEASE ACTIVITY: ROBINS 250 dy
 FACILITY NAME: MACON-LOWER POPLAR ST WPCP
 FACILITY LOCATION: MACON GA 312020108
 RECEIVING WATER NAME: OCMULGEE R
 REACH NUMBER: 03070103005 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: GA0024538 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	250.	0.002	2.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3435.63	1443.45	993.57	803.09	NA
CONCENTRATION (µg/L)	5.82E-04	1.39E-03	2.01E-03	2.49E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.19E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.69E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	5.25E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-DOD00

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: Robins 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.46 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	2.30E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-DOD00

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:2 RELEASE ACTIVITY: Robins 20 dy
 FACILITY NAME: MACON-LOWER POPLAR ST WPCP
 FACILITY LOCATION: MACON GA 312020108
 RECEIVING WATER NAME: OCMULGEE R
 REACH NUMBER: 03070103005 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: GA0024538 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.023	2.30E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3435.63	1443.45	993.57	803.09	NA
CONCENTRATION ($\mu\text{g/L}$)	6.69E-03	1.59E-02	2.31E-02	2.86E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.02E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.55E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	6.04E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

14. OES: WWTP

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1

Number of Release Sites: 1.

Release Activity: LITTLE 365 DY

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.76 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	1.03E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 1	RELEASE ACTIVITY: LITTLE 365 DY	
FACILITY NAME: CHEVRON USA INC		
FACILITY LOCATION: EL SEGUNDO CA 90245		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070104003	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0000337	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	23.47	0.0103	1.03E-02	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	73.00	6.01E-03
CHRONIC SCENARIO	73.00	6.01E-03

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:2

Number of Release Sites: 1.

Release Activity: LITTLE 20 DY

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.80 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.19 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 2	RELEASE ACTIVITY: LITTLE 20 DY	
FACILITY NAME: CHEVRON USA INC		
FACILITY LOCATION: EL SEGUNDO CA 90245		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070104003	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0000337	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	23.47	0.19	0.19	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	73.00	0.11
CHRONIC SCENARIO	73.00	0.11

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:3

Number of Release Sites: 1.

Release Activity: JUANITA 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.73 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 3	RELEASE ACTIVITY: JUANITA 365 dy	
FACILITY NAME: CHEVRON USA INC		
FACILITY LOCATION: EL SEGUNDO CA 90245		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070104003	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0000337	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	23.47	0.002	2.00E-03	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	73.00	1.17E-03
CHRONIC SCENARIO	73.00	1.17E-03

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:4

Number of Release Sites: 1.

Release Activity: JUANITA 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.80 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	4.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 4	RELEASE ACTIVITY: JUANITA 20 dy	
FACILITY NAME: CHEVRON USA INC		
FACILITY LOCATION: EL SEGUNDO CA 90245		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070104003	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0000337	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	23.47	0.04	4.00E-02	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	73.00	2.33E-02
CHRONIC SCENARIO	73.00	2.33E-02

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:5

Number of Release Sites: 1.

Release Activity: LONDON 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.36 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:5 RELEASE ACTIVITY: LONDON 365 dy
 FACILITY NAME: LONDON CITY OF
 FACILITY LOCATION: LONDON OH 43140
 RECEIVING WATER NAME: OAK RUN
 REACH NUMBER: 05060002103 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: OH0023779 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	21.67	9.18	5.29	5.29	NA
CONCENTRATION (µg/L)	4.62E-02	0.11	0.19	0.19	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.54E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.95E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.12E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:6

Number of Release Sites: 1.

Release Activity: LONDON 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:6 RELEASE ACTIVITY: LONDON 20 dy
 FACILITY NAME: LONDON CITY OF
 FACILITY LOCATION: LONDON OH 43140
 RECEIVING WATER NAME: OAK RUN
 REACH NUMBER: 05060002103 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: OH0023779 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.02	2.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	21.67	9.18	5.29	5.29	NA
CONCENTRATION (µg/L)	0.92	2.18	3.78	3.78	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.78E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.14E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	8.25E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:7

Number of Release Sites: 1.

Release Activity: LongBeach 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2555.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	7.00 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 7	RELEASE ACTIVITY: LongBeach 365 dy	
FACILITY NAME: LONG BEACH (C) WPCP		
FACILITY LOCATION: LONG BEACH NY 11561		
RECEIVING WATER NAME: EAST BAY		
REACH NUMBER: 02030202025	FACILITY ON REACH: No	DISCHARGE TYPE: Direct
NPDES PERMIT #: NY0020567	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	23.22	7.	7.00	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	301.46
CHRONIC SCENARIO	1.00	301.46

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:8

Number of Release Sites: 1.

Release Activity: LongBeach 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2729.80 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	136.49 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 8	RELEASE ACTIVITY: LongBeach 20 dy	
FACILITY NAME: LONG BEACH (C) WPCP		
FACILITY LOCATION: LONG BEACH NY 11561		
RECEIVING WATER NAME: EAST BAY		
REACH NUMBER: 02030202025	FACILITY ON REACH: No	DISCHARGE TYPE: Direct
NPDES PERMIT #: NY0020567	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	23.22	136.49	136.49	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	5878.12
CHRONIC SCENARIO	1.00	5878.12

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:9

Number of Release Sites: 1.

Release Activity: MIDDLESEX 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	1460.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	4.00 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 9	RELEASE ACTIVITY: MIDDLESEX 365 dy	
FACILITY NAME: MIDDLESEX CNTY UA		
FACILITY LOCATION: SAYREVILLE NJ 08872		
RECEIVING WATER NAME: RARITAN BAY		
REACH NUMBER: 02030104005	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NJ0020141	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	321.00	4.	4.00	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	5.00	2.49
CHRONIC SCENARIO	10.00	1.25

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 10

Number of Release Sites: 1.

Release Activity: MIDDLESEX 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	1633.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	81.68 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 10	RELEASE ACTIVITY: MIDDLESEX 20 dy	
FACILITY NAME: MIDDLESEX CNTY UA		
FACILITY LOCATION: SAYREVILLE NJ 08872		
RECEIVING WATER NAME: RARITAN BAY		
REACH NUMBER: 02030104005	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NJ0020141	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	321.00	81.68	81.68	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	5.00	50.89
CHRONIC SCENARIO	10.00	25.45

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 11

Number of Release Sites: 1.

Release Activity: JWPCP 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	620.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	1.70 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 11	RELEASE ACTIVITY: JWPCP 365 dy	
FACILITY NAME: LOS ANGELES COUNTY SAN DIST		
FACILITY LOCATION: CARSON CA 90745		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070104003	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0053813	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	1494.88	1.7	1.70	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	166.00	6.85E-03
CHRONIC SCENARIO	166.00	6.85E-03

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 12

Number of Release Sites: 1.

Release Activity: JWPCP 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	603.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	30.18 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 12	RELEASE ACTIVITY: JWPCP 20 dy	
FACILITY NAME: LOS ANGELES COUNTY SAN DIST		
FACILITY LOCATION: CARSON CA 90745		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070104003	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0053813	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	1494.88	30.18	30.18	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	166.00	0.12
CHRONIC SCENARIO	166.00	0.12

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 13

Number of Release Sites: 1.

Release Activity: HYPERION 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	182.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	0.50 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 13	RELEASE ACTIVITY: HYPERION 365 dy	
FACILITY NAME: LOS ANGELES CITY OF		
FACILITY LOCATION: PLAYA DEL REY CA 902938598		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070104005	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0109991	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	1491.29	0.5	0.50	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	84.00	3.99E-03
CHRONIC SCENARIO	84.00	3.99E-03

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 14

Number of Release Sites: 1.

Release Activity: HYPERION 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	164.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	8.22 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 14	RELEASE ACTIVITY: HYPERION 20 dy	
FACILITY NAME: LOS ANGELES CITY OF		
FACILITY LOCATION: PLAYA DEL REY CA 902938598		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070104005	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0109991	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	1491.29	8.22	8.22	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	84.00	6.56E-02
CHRONIC SCENARIO	84.00	6.56E-02

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 15

Number of Release Sites: 1.

Release Activity: PT LOMA 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	182.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	0.50 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 15	RELEASE ACTIVITY: PT LOMA 365 dy	
FACILITY NAME: SAN DIEGO CITY OF		
FACILITY LOCATION: SAN DIEGO CA 92101		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070304015	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0107409	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	416.35	0.5	0.50	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	1.20
CHRONIC SCENARIO	1.00	1.20

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 16

Number of Release Sites: 1.

Release Activity: PT LOMA 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	164.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	8.22 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 16	RELEASE ACTIVITY: PT LOMA 20 dy	
FACILITY NAME: SAN DIEGO CITY OF		
FACILITY LOCATION: SAN DIEGO CA 92101		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070304015	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0107409	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	416.35	8.22	8.22	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	19.74
CHRONIC SCENARIO	1.00	19.74

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 17

Number of Release Sites: 1.

Release Activity: REGIONAL 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	73.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	0.20 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:17 RELEASE ACTIVITY: REGIONAL 365 dy
 FACILITY NAME: SACRAMENTO REGIONAL COUNTY SD
 FACILITY LOCATION: ELK GROVE CA 95758
 RECEIVING WATER NAME: SACRAMENTO R
 REACH NUMBER: 18020109005 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0077682 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.2	0.20	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	3Q5	7Q10	1Q10	PLANT
FLOW (MLD)	4.41E+04	2.10E+04	1.59E+04	1.26E+04	NA
CONCENTRATION (µg/L)	4.54E-03	9.52E-03	1.26E-02	1.59E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.50E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.92E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.61E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 18

Number of Release Sites: 1.

Release Activity: REGIONAL 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	86.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	4.31 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:18 RELEASE ACTIVITY: REGIONAL 20 dy
 FACILITY NAME: SACRAMENTO REGIONAL COUNTY SD
 FACILITY LOCATION: ELK GROVE CA 95758
 RECEIVING WATER NAME: SACRAMENTO R
 REACH NUMBER: 18020109005 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0077682 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	4.31	4.31	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	4.41E+04	2.10E+04	1.59E+04	1.26E+04	NA
CONCENTRATION (µg/L)	9.78E-02	0.21	0.27	0.34	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.95E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.27E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	7.77E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 19

Number of Release Sites: 1.

Release Activity: BERGEN 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	73.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	0.20 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 19	RELEASE ACTIVITY: BERGEN 365 dy	
FACILITY NAME: SUFFOLK COUNTY SD#3-SOUTHWEST		
FACILITY LOCATION: WEST BABYLON NY 11704		
RECEIVING WATER NAME: ATLANTIC OCEAN		
REACH NUMBER: 02030202023	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NY0104809	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	49.25	0.2	0.20	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	4.06
CHRONIC SCENARIO	1.00	4.06

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:20

Number of Release Sites: 1.

Release Activity: BERGEN 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	65.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	3.27 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 20	RELEASE ACTIVITY: BERGEN 20 dy	
FACILITY NAME: SUFFOLK COUNTY SD#3-SOUTHWEST		
FACILITY LOCATION: WEST BABYLON NY 11704		
RECEIVING WATER NAME: ATLANTIC OCEAN		
REACH NUMBER: 02030202023	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NY0104809	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	49.25	3.27	3.27	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	66.40
CHRONIC SCENARIO	1.00	66.40

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:21

Number of Release Sites: 1.

Release Activity: NEW ROCHELLE 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	14.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	4.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 21	RELEASE ACTIVITY: NEW ROCHELLE 365 dy	
FACILITY NAME: NEW ROCHELLE SD		
FACILITY LOCATION: NEW ROCHELLE NY 10802		
RECEIVING WATER NAME: LONG ISLAND SOUND		
REACH NUMBER: 02030102001	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NY0026697	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	61.75	0.04	4.00E-02	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	0.65
CHRONIC SCENARIO	1.00	0.65

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:22

Number of Release Sites: 1.

Release Activity: NewRochelle 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	15.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.77 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 22	RELEASE ACTIVITY: NewRochelle 20 dy	
FACILITY NAME: NEW ROCHELLE SD		
FACILITY LOCATION: NEW ROCHELLE NY 10802		
RECEIVING WATER NAME: LONG ISLAND SOUND		
REACH NUMBER: 02030102001	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NY0026697	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	61.75	0.77	0.77	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	12.47
CHRONIC SCENARIO	1.00	12.47

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:23

Number of Release Sites: 1.

Release Activity: Simi 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	7.30 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:23 RELEASE ACTIVITY: Simi 365 dy
 FACILITY NAME: SIMI VALLEY CITY OF
 FACILITY LOCATION: SIMI VALLEY CA 93065
 RECEIVING WATER NAME: ARROYO SIMI
 REACH NUMBER: 18070103006 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0055221 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.02	2.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	49.16	36.65	22.17	22.17	NA
CONCENTRATION (µg/L)	0.41	0.55	0.90	0.90	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.24E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.72E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.07E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:24

Number of Release Sites: 1.

Release Activity: Simi 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	6.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.33 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:24 RELEASE ACTIVITY: Simi 20 dy
 FACILITY NAME: SIMI VALLEY CITY OF
 FACILITY LOCATION: SIMI VALLEY CA 93065
 RECEIVING WATER NAME: ARROYO SIMI
 REACH NUMBER: 18070103006 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0055221 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.33	0.33	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	49.16	36.65	22.17	22.17	NA
CONCENTRATION (µg/L)	6.71	9.00	14.88	14.88	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.02E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.56E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.41E-04 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:25

Number of Release Sites: 1.

Release Activity: OCEANSIDE 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	3.65 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 25	RELEASE ACTIVITY: OCEANSIDE 365 dy	
FACILITY NAME: OCEANSIDE CITY OF WTR UTIL DEP		
FACILITY LOCATION: OCEANSIDE CA 92054		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070303003	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0107433	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	15.83	0.01	1.00E-02	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	0.63
CHRONIC SCENARIO	1.00	0.63

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:26

Number of Release Sites: 1.

Release Activity: OCEANSIDE 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	3.80 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.19 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 26	RELEASE ACTIVITY: OCEANSIDE 20 dy	
FACILITY NAME: OCEANSIDE CITY OF WTR UTIL DEP		
FACILITY LOCATION: OCEANSIDE CA 92054		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18070303003	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0107433	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	15.83	0.19	0.19	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	12.00
CHRONIC SCENARIO	1.00	12.00

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:27

Number of Release Sites: 1.

Release Activity: SANTA CRUZ 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	3.65 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 27	RELEASE ACTIVITY: SANTA CRUZ 365 dy	
FACILITY NAME: SANTA CRUZ CITY DPW		
FACILITY LOCATION: SANTA CRUZ CA 95060		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18060001003	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0048194	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	58.00	0.01	1.00E-02	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	0.17
CHRONIC SCENARIO	1.00	0.17

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:28

Number of Release Sites: 1.

Release Activity: SANTA CRUZ 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	2.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.12 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 28	RELEASE ACTIVITY: SANTA CRUZ 20 dy	
FACILITY NAME: SANTA CRUZ CITY DPW		
FACILITY LOCATION: SANTA CRUZ CA 95060		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18060001003	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0048194	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	58.00	0.12	0.12	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	2.07
CHRONIC SCENARIO	1.00	2.07

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:29

Number of Release Sites: 1.

Release Activity: CORONA 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.82 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	5.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 29

Number of Sites: 1

RELEASE ACTIVITY: CORONA
365 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	365.	0.005	5.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	1.74E-02	4.04E-02	6.40E-02	7.57E-02
ALL	10	39.60	13.29	7.76	7.57	0.13	0.38	0.64	0.66

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	9.55E-08	6.94E-07	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	7.35E-06	5.34E-05	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.53E-06	1.42E-05	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 29

RELEASE ACTIVITY: CORONA 365 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	365.00	5.00E-03	0.00	High
151.00	0	0	365.00	5.00E-03	0.00	High
1800.00	0	0	365.00	5.00E-03	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:30

Number of Release Sites: 1.

Release Activity: CORONA 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.80 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	9.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 30

Number of Sites: 1

RELEASE ACTIVITY: CORONA
20 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.09	9.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	0.31	0.73	1.15	1.36
ALL	10	39.60	13.29	7.76	7.57	2.27	6.77	11.60	11.89

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	9.42E-08	6.85E-07	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	7.24E-06	5.27E-05	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	2.75E-05	2.56E-04	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 30

RELEASE ACTIVITY: CORONA 20 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC ($\mu\text{g/L}$)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	9.00E-02	0.00	High
151.00	0	0	20.00	9.00E-02	0.00	High
1800.00	0	0	20.00	9.00E-02	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:31

Number of Release Sites: 1.

Release Activity: BLIND BROOK 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	1.09 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 31	RELEASE ACTIVITY: BLIND BROOK 365 dy	
FACILITY NAME: BLIND BROOK SD WWTP		
FACILITY LOCATION: RYE NY 10580		
RECEIVING WATER NAME: LONG ISLAND SOUND		
REACH NUMBER: 02030102001	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NY0026719	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	19.13	0.003	3.00E-03	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	0.16
CHRONIC SCENARIO	1.00	0.16

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:32

Number of Release Sites: 1.

Release Activity: BLIND BROOK 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	1.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	6.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 32	RELEASE ACTIVITY: BLIND BROOK 20 dy	
FACILITY NAME: BLIND BROOK SD WWTP		
FACILITY LOCATION: RYE NY 10580		
RECEIVING WATER NAME: LONG ISLAND SOUND		
REACH NUMBER: 02030102001	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: NY0026719	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	19.13	0.06	6.00E-02	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	3.14
CHRONIC SCENARIO	1.00	3.14

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:33

Number of Release Sites: 1.

Release Activity: MCKINLEY 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.09 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:33 RELEASE ACTIVITY: MCKINLEY 365 dy
 FACILITY NAME: MCKINLEYVILLE CSD
 FACILITY LOCATION: MCKINLEYVILLE CA 95521
 RECEIVING WATER NAME: MAD R
 REACH NUMBER: 18010102012 FACILITY ON REACH: Unk DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0024490 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.003	3.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	290.17	32.73	19.72	16.38	NA
CONCENTRATION (µg/L)	1.03E-02	9.16E-02	0.15	0.18	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.69E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.37E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.47E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:34

Number of Release Sites: 1.

Release Activity: MCKINLEY 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	5.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:34 RELEASE ACTIVITY: MCKINLEY 20 dy
 FACILITY NAME: MCKINLEYVILLE CSD
 FACILITY LOCATION: MCKINLEYVILLE CA 95521
 RECEIVING WATER NAME: MAD R
 REACH NUMBER: 18010102012 FACILITY ON REACH: Unk DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0024490 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.05	5.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	290.17	32.73	19.72	16.38	NA
CONCENTRATION (µg/L)	0.17	1.53	2.54	3.05	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.19E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.99E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	5.79E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:35

Number of Release Sites: 1.

Release Activity: SanJose 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.36 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:35 RELEASE ACTIVITY: SanJose 365 dy
 FACILITY NAME: LOS ANGELES COUNTY SAN DIST
 FACILITY LOCATION: WHITTIER CA 90607
 RECEIVING WATER NAME: SAN GABRIEL R
 REACH NUMBER: 18070106006 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0053911 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	285.78	327.60	214.03	214.03	NA
CONCENTRATION (µg/L)	3.50E-03	3.05E-03	4.67E-03	4.67E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.92E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.48E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.16E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:36

Number of Release Sites: 1.

Release Activity: SanJose 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:36 RELEASE ACTIVITY: SanJose 20 dy
 FACILITY NAME: LOS ANGELES COUNTY SAN DIST
 FACILITY LOCATION: WHITTIER CA 90607
 RECEIVING WATER NAME: SAN GABRIEL R
 REACH NUMBER: 18070106006 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0053911 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.02	2.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	285.78	327.60	214.03	214.03	NA
CONCENTRATION (µg/L)	7.00E-02	6.10E-02	9.34E-02	9.34E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.11E-08 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.62E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.31E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:37

Number of Release Sites: 1.

Release Activity: CARMEL 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	0.36 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 37	RELEASE ACTIVITY: CARMEL 365 dy	
FACILITY NAME: CARMEL AREA WWD		
FACILITY LOCATION: CARMEL CA 93922		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18060012015	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0047996	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	365.	8.71	0.001	1.00E-03	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	0.11
CHRONIC SCENARIO	1.00	0.11

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:38

Number of Release Sites: 1.

Release Activity: CARMEL 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

CHEMICAL ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES: LAKES, BAYS, ESTUARIES, AND OCEANS		
SCENARIO #: 38	RELEASE ACTIVITY: CARMEL 20 dy	
FACILITY NAME: CARMEL AREA WWD		
FACILITY LOCATION: CARMEL CA 93922		
RECEIVING WATER NAME: PACIFIC OCEAN		
REACH NUMBER: 18060012015	FACILITY ON REACH: Yes	DISCHARGE TYPE: Direct
NPDES PERMIT #: CA0047996	EXPOSED POPULATION: Adult	

WWT REMOVAL (%)	RELEASE DAYS	PLANT FLOW (MLD)	PRETREAT RELEASE (kg/site/day)	POST-TREAT RELEASE (kg/site/day)	BCF (L/kg)
0.	20.	8.71	0.01	1.00E-02	0.00

AQUATIC EXPOSURE ESTIMATES		
MIXING ZONE	DILUTION FACTOR	WATER CONCENTRATION (ug/L)
ACUTE SCENARIO	1.00	1.15
CHRONIC SCENARIO	1.00	1.15

FISH INGESTION EXPOSURE ESTIMATES					
Exposure Units	Results	ASSUMPTIONS			
		ED (years)	AT (years)	BW (kg)	IR (g/day)
Cancer					
LADD _{pot} (mg/kg/day)	0.00	33.00	78.00	80.00	7.50
LADC _{pot} (mg/kg)	0.00	33.00	78.00	NA	NA
Acute					
ADR _{pot} (mg/kg/day)	0.00	NA	1 day	80.00	279.00

Lakes Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:39

Number of Release Sites: 1.

Release Activity: CAMERON 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	0.36 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 39

Number of Sites: 1

RELEASE

ACTIVITY:CAMERON 365 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	365.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	3.47E-03	8.07E-03	1.28E-02	1.51E-02
ALL	10	39.60	13.29	7.76	7.57	2.53E-02	7.52E-02	0.13	0.13

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.91E-08	1.39E-07	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	1.47E-06	1.07E-05	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	3.06E-07	2.85E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 39

RELEASE ACTIVITY: CAMERON 365 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	365.00	1.00E-03	0.00	High
151.00	0	0	365.00	1.00E-03	0.00	High
1800.00	0	0	365.00	1.00E-03	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:40

Number of Release Sites: 1.

Release Activity: CAMERON 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	0.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 40 Number of Sites: 1 RELEASE
ACTIVITY: CAMERON 20 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.01	1.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	3.47E-02	8.07E-02	0.13	0.15
ALL	10	39.60	13.29	7.76	7.57	0.25	0.75	1.29	1.32

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	1.05E-08	7.61E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	8.05E-07	5.85E-06	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	3.06E-06	2.85E-05	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 40

RELEASE ACTIVITY: CAMERON 20 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	1.00E-02	0.00	High
151.00	0	0	20.00	1.00E-02	0.00	High
1800.00	0	0	20.00	1.00E-02	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:41

Number of Release Sites: 1.

Release Activity: RED BLUFF 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.36 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:41 RELEASE ACTIVITY: RED BLUFF 365 dy
 FACILITY NAME: RED BLUFF CITY OF
 FACILITY LOCATION: RED BLUFF CA 960800400
 RECEIVING WATER NAME: SACRAMENTO R
 REACH NUMBER: 18020103016 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0078891 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.001	1.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	1.89E+04	9231.33	6783.03	5409.40	NA
CONCENTRATION (µg/L)	5.29E-05	1.08E-04	1.47E-04	1.85E-04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	2.91E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.24E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.10E-09 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:42

Number of Release Sites: 1.

Release Activity: RED BLUFF 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:42 RELEASE ACTIVITY: RED BLUFF 20 dy
 FACILITY NAME: RED BLUFF CITY OF
 FACILITY LOCATION: RED BLUFF CA 960800400
 RECEIVING WATER NAME: SACRAMENTO R
 REACH NUMBER: 18020103016 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: CA0078891 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.01	1.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	1.89E+04	9231.33	6783.03	5409.40	NA
CONCENTRATION (µg/L)	5.29E-04	1.08E-03	1.47E-03	1.85E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.59E-10 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	1.23E-08 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.10E-08 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:43

Number of Release Sites: 1.

Release Activity: 91st AVE 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	36.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	0.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:43 RELEASE ACTIVITY: 91st AVE 365 dy
 FACILITY NAME: PHOENIX CITY OF
 FACILITY LOCATION: TOLLESON AZ 853539328
 RECEIVING WATER NAME: SALT R
 REACH NUMBER: 15060106001 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: AZ0020524 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.1	0.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	812.97	512.86	340.39	340.39	NA
CONCENTRATION (µg/L)	0.12	0.19	0.29	0.29	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	6.77E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	5.20E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	7.39E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:44

Number of Release Sites: 1.

Release Activity: 91stAve 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	30.80 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.54 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:44 RELEASE ACTIVITY: 91stAve 20 dy
 FACILITY NAME: PHOENIX CITY OF
 FACILITY LOCATION: TOLLESON AZ 853539328
 RECEIVING WATER NAME: SALT R
 REACH NUMBER: 15060106001 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: AZ0020524 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	1.54	1.54	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	812.97	512.86	340.39	340.39	NA
CONCENTRATION (µg/L)	1.89	3.00	4.52	4.52	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.71E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.39E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.14E-04 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:45

Number of Release Sites: 1.

Release Activity: EVERETT 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	36.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	0.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:45 RELEASE ACTIVITY: EVERETT 365 dy
 FACILITY NAME: EVERETT CITY OF
 FACILITY LOCATION: EVERETT WA 98205
 RECEIVING WATER NAME: SNOHOMISH R
 REACH NUMBER: 17110011001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WA0024490 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.1	0.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	126.32	151.78	96.51	96.51	NA
CONCENTRATION (µg/L)	0.79	0.66	1.04	1.04	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.35E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.35E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.50E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:46

Number of Release Sites: 1.

Release Activity: Everett 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	30.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.50 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:46 RELEASE ACTIVITY: Everett 20 dy
 FACILITY NAME: EVERETT CITY OF
 FACILITY LOCATION: EVERETT WA 98205
 RECEIVING WATER NAME: SNOHOMISH R
 REACH NUMBER: 17110011001 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: WA0024490 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	1.5	1.50	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	126.32	151.78	96.51	96.51	NA
CONCENTRATION (µg/L)	11.87	9.88	15.54	15.54	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.58E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.75E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.74E-04 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:47

Number of Release Sites: 1.

Release Activity: Pima 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	36.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	0.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:47 RELEASE ACTIVITY: Pima 365 dy
 FACILITY NAME: PIMA CNTY WASTEWATER MGMT
 FACILITY LOCATION: TUCSON AZ 857439577
 RECEIVING WATER NAME: SANTA CRUZ R
 REACH NUMBER: 15050301003 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: AZ0020001 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.1	0.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	95.81	116.96	73.69	73.69	NA
CONCENTRATION (µg/L)	1.04	0.86	1.36	1.36	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	5.74E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.42E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	3.24E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:48

Number of Release Sites: 1.

Release Activity: Pima 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	27.40 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	1.37 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:48 RELEASE ACTIVITY: Pima 20 dy
 FACILITY NAME: PIMA CNTY WASTEWATER MGMT
 FACILITY LOCATION: TUCSON AZ 857439577
 RECEIVING WATER NAME: SANTA CRUZ R
 REACH NUMBER: 15050301003 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: AZ0020001 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	1.37	1.37	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	95.81	116.96	73.69	73.69	NA
CONCENTRATION (µg/L)	14.30	11.71	18.59	18.59	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	4.31E-06 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	3.32E-04 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	4.44E-04 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:49

Number of Release Sites: 1.

Release Activity: 23rd AVE 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	36.50 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	0.10 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:49 RELEASE ACTIVITY: 23rd AVE 365 dy
 FACILITY NAME: PHOENIX CITY OF
 FACILITY LOCATION: PHOENIX AZ 850096499
 RECEIVING WATER NAME: SALT R
 REACH NUMBER: 15060106001 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: AZ0020559 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.1	0.10	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	865.50	572.26	381.28	381.28	NA
CONCENTRATION (µg/L)	0.12	0.17	0.26	0.26	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	6.35E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	4.89E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	6.62E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:50

Number of Release Sites: 1.

Release Activity: 23rd AVE 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	19.00 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	0.95 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:50 RELEASE ACTIVITY: 23rd AVE 20 dy
 FACILITY NAME: PHOENIX CITY OF
 FACILITY LOCATION: PHOENIX AZ 850096499
 RECEIVING WATER NAME: SALT R
 REACH NUMBER: 15060106001 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: AZ0020559 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.95	0.95	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	865.50	572.26	381.28	381.28	NA
CONCENTRATION (µg/L)	1.10	1.66	2.49	2.49	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	3.31E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	2.54E-05 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	6.29E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:51

Number of Release Sites: 1.

Release Activity: SUNNYSIDE 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.82 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	5.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:51 RELEASE ACTIVITY: SUNNYSIDE 365 dy
 FACILITY NAME: SUNNYSIDE CITY OF
 FACILITY LOCATION: SUNNYSIDE WA 989442206
 RECEIVING WATER NAME: YAKIMA R
 REACH NUMBER: 17030003005 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: WA0020991 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.005	5.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3427.34	1090.43	743.20	601.94	NA
CONCENTRATION (µg/L)	1.46E-03	4.59E-03	6.73E-03	8.31E-03	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	8.02E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	6.17E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.74E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:52

Number of Release Sites: 1.

Release Activity: SUNNYSIDE 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:	1.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)

Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	8.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:52 RELEASE ACTIVITY: SUNNYSIDE 20 dy
 FACILITY NAME: SUNNYSIDE CITY OF
 FACILITY LOCATION: SUNNYSIDE WA 989442206
 RECEIVING WATER NAME: YAKIMA R
 REACH NUMBER: 17030003005 FACILITY ON REACH: No DISCHARGE TYPE: Direct
 NPDES PERMIT #: WA0020991 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.08	8.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	3427.34	1090.43	743.20	601.94	NA
CONCENTRATION (µg/L)	2.33E-02	7.34E-02	0.11	0.13	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	7.03E-09 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	5.41E-07 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	2.78E-06 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:53

Number of Release Sites: 1.

Release Activity: AguaNueva 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.09 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:53 RELEASE ACTIVITY: AguaNueva 365 dy
 FACILITY NAME: PIMA CNTY WASTEWATER MGMT
 FACILITY LOCATION: TUCSON AZ 857056915
 RECEIVING WATER NAME: SANTA CRUZ R
 REACH NUMBER: 15050301003 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: AZ0020923 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	365.	0.003	3.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	144.13	171.86	109.76	109.76	NA
CONCENTRATION (µg/L)	2.08E-02	1.75E-02	2.73E-02	2.73E-02	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.14E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	8.81E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	6.61E-07 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:54

Number of Release Sites: 1.

Release Activity: AguaNueva 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	1.20 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	6.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL EXPOSURE REVIEW REPORT

Chemical ID: DCM-WWTP0

SITE-SPECIFIC HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO NUMBER:54 RELEASE ACTIVITY: AguaNueva 20 dy
 FACILITY NAME: PIMA CNTY WASTEWATER MGMT
 FACILITY LOCATION: TUCSON AZ 857056915
 RECEIVING WATER NAME: SANTA CRUZ R
 REACH NUMBER: 15050301003 FACILITY ON REACH: Yes DISCHARGE TYPE: Direct
 NPDES PERMIT #: AZ0020923 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.	20.	0.06	6.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

FLOW DESCRIPTOR	Harmonic Mean	30Q5	7Q10	1Q10	PLANT
FLOW (MLD)	144.13	171.86	109.76	109.76	NA
CONCENTRATION (µg/L)	0.42	0.35	0.55	0.55	NA

DRINKING WATER INGESTION AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results	Drinking Water Units	Fish Ingestion Results	Fish Ingestion Units
Cancer				
LADD _{pot}	1.25E-07 mg/kg/day		0.00 mg/kg/day	
LADC _{pot}	9.65E-06 mg/L		0.00 mg/kg	
Acute				
ADR _{pot}	1.32E-05 mg/kg/day		0.00	mg/kg/day

Surface Water Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:55

Number of Release Sites: 1.

Release Activity: PORT 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.73 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	2.00E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 55

Number of Sites: 1

RELEASE ACTIVITY:PORT
365 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	365.	0.002	2.00E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	6.94E-03	1.61E-02	2.56E-02	3.03E-02
ALL	10	39.60	13.29	7.76	7.57	5.05E-02	0.15	0.26	0.26

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	3.82E-08	2.78E-07	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.94E-06	2.14E-05	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	6.12E-07	5.70E-06	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 55

RELEASE ACTIVITY: PORT 365 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	365.00	2.00E-03	0.00	High
151.00	0	0	365.00	2.00E-03	0.00	High
1800.00	0	0	365.00	2.00E-03	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:56

Number of Release Sites: 1.

Release Activity: PORT 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.60 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-02 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 56 Number of Sites: 1 RELEASE ACTIVITY: PORT 20 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.03	3.00E-02	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER									
PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	0.10	0.24	0.38	0.45
ALL	10	39.60	13.29	7.76	7.57	0.76	2.26	3.87	3.96

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES						
Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	3.14E-08	2.28E-07	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	2.41E-06	1.76E-05	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	9.18E-06	8.55E-05	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 56

RELEASE ACTIVITY: PORT 20 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	3.00E-02	0.00	High
151.00	0	0	20.00	3.00E-02	0.00	High
1800.00	0	0	20.00	3.00E-02	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:57

Number of Release Sites: 1.

Release Activity: APACHE 365 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.11 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	365.00	0.00/0.00	N/A	N/A
Per Site Release:	3.00E-04 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 57

Number of Sites: 1

RELEASE ACTIVITY: APACHE
365 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952

EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	365.	0.0003	3.00E-04	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. ($\mu\text{g/l}$)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	1.04E-03	2.42E-03	3.84E-03	4.54E-03
ALL	10	39.60	13.29	7.76	7.57	7.58E-03	2.26E-02	3.87E-02	3.96E-02

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	5.73E-09	4.17E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	4.41E-07	3.21E-06	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	9.18E-08	8.55E-07	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 57

RELEASE ACTIVITY: APACHE 365 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	365.00	3.00E-04	0.00	High
151.00	0	0	365.00	3.00E-04	0.00	High
1800.00	0	0	365.00	3.00E-04	0.00	High

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

Assessor:

ENVIRONMENTAL RELEASES

Scenario#:58

Number of Release Sites: 1.

Release Activity: APACHE 20 dy

Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
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Total Releases:	0.11 (kg/yr)	N/A (kg/yr)	N/A (kg/yr)	N/A (kg/yr)
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Non-sludge/Sludge

Release Days/yr:	20.00	0.00/0.00	N/A	N/A
Per Site Release:	5.60E-03 (kg/site/day)	N/A/0.00 (kg/site/day)	N/A (kg/site/day)	N/A (kg/site/day)

Remarks:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 58 Number of Sites: 1 RELEASE ACTIVITY: APACHE
20 dy

SIC-CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

SIC-CODE (S): subset of 4952 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
0.00	20.	0.0056	5.60E-03	0.00	0.00

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10
ALL	50	288.00	123.84	78.18	66.05	1.94E-02	4.52E-02	7.16E-02	8.48E-02
ALL	10	39.60	13.29	7.76	7.57	0.14	0.42	0.72	0.74

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
LADD _{pot}	5.86E-09	4.26E-08	mg/kg/day	0.00	0.00	mg/kg/day
LADC _{pot}	4.51E-07	3.28E-06	mg/L	0.00	0.00	mg/kg
Acute						
ADR _{pot}	1.71E-06	1.60E-05	mg/kg/day	0.00	0.00	mg/kg/day

SIC Code Comments:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: DCM-WWTP0

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 58

RELEASE ACTIVITY: APACHE 20 dy

SIC CODE DESCRIPTION: POTW (Indust., includes POTWs which receive ind. disch.)

ASSOCIATED SIC CODES: subset of 4952

SIC CODE RESULTS

COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
90.00	0	0	20.00	5.60E-03	0.00	High
151.00	0	0	20.00	5.60E-03	0.00	High
1800.00	0	0	20.00	5.60E-03	0.00	High

