Pennsylvania Department of Environmental Protection

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0210625**
Facility Type	**Industrial**	APS ID	**1136617**
Major / Minor	**Minor**	Authorization ID	**1526010**

NPDES PERMIT FACT SHEET INDIVIDUAL INDUSTRIAL WASTE (IW) AND IW STORMWATER

Applicant and Facility Information

Applicant Name	**Bradford Forest LLC**	Facility Name	**Bradford Forest**
Applicant Address	444 High Street Bradford, PA 16701-3735	Facility Address	444 High Street Bradford, PA 16701-3735
Applicant Contact	Mark Platko	Facility Contact	
Applicant Phone	(814) 368-3701	Facility Phone	
Client ID	361663	Site ID	249450
SIC Code	2421,2426	Municipality	Bradford City
SIC Description	Manufacturing - Hardwood Dimension And Flooring Mills,Manufacturing - Sawmills And Planing Mills, General	County	McKean
Date Application Received	March 3, 2025	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: Renewal of an existing Industrial Waste NPDES Permit for an existing lumber mill.

Summary of Review

Over the last permit term, the facility has had significant and repeated violations of the benchmark values for COD and TSS through Outfall 005. Per the terms of the permit the facility has submitted several Corrective Action Plans over the course of the effective time of the permit, however the effectiveness of these Corrective Actions seems to be negligible. The most recent CAP was submitted in May of 2023 and noted additional log yard resurfacing, continued strategic wet decking, and additional log yard procedures which include additional cleaning aspects to prevent solids from entering the stormwater system. Since the submission of this plan the facility has reported COD values of 1130 mg/l, 590 mg/l, 694 mg/l, 620 mg/l, 365 mg/l, and 601 mg/l as well as TSS values of 384 mg/l, 161 mg/l, 1400 mg/l, 500 mg/l, 302 mg/l, and 606 mg/l. Since there is no considerable downwards trend, the Department will attempt to enforce the implementation of these BMP's on a greater level by adding additional language from the PAG-03 General Permit that describes additional CAP and BMP requirements following four consecutive exceedances of the benchmark values. If continued exceedances occur at the site an evaluation of the site to determine if the stormwater is polluting the receiving waters may commence and if the facility is found to be polluting the receiving waters the Department may initiate a major amendment to impose numerical limitations on the stormwater.

In August of 2022 the facility submitted their final WQBEL Compliance Report which outlined the plan for the facility to remain in compliance with the permit due to the facility not being able to meet the limits imposed at the IMP 501, which was typically the process outfall that received wastewater from the wet decking operation at the facility. Within this plan it was determined that it was infeasible that the facility would be able to meet the limits imposed at IMP 501 and therefore came up with a plan to implement a wet decking recycling system in which water used for the wet decking on site is collected and stored for reuse in future wet decking operations. The elimination of the process discharge at the facility is acceptable to the Department as the facility would no longer be discharging process wastewater and technically be meeting the limits of the final WQBELs. The IMP 501 remains an outfall at the facility in the event of an emergency or malfunction occurring with the collection system of the wet decking recycling system.

Approve	Deny	Signatures	Date
X		Dustin Hargenrater Dustin Hargenrater / Project Manager	February 10, 2026
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	April 9, 2026

Summary of Review

It was believed that the following ELG's may have been applicable to the facility:
§429.30 Subpart B - Veneer Subcategory
§429.40 Subpart C - Plywood Subcategory
Based on a conversation with Mark Platko with Bradford Forest those ELG's may have been tied to the original owners of the facility and Bradford Forest LLC does not conduct these operations.

The facility is subject to the ELG's under:
§429.100 Subpart I - Wet Storage Subcategory

Subcategory §429.100 Subpart I – Wet Storage Subcategory requires that there shall be no debris discharged, and the pH shall be within the range of 6.0 to 9.0. The monitoring requirements for the PAG-03 General Permit Appendix D for Timber Products will be applied as minimum treatment standards for the stormwater at the facility.

Act 14 – Notifications were submitted and received.

There are no open violations in WMS for the subject Client ID (361663) as of 2/12/26.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	005	Design Flow (MGD)	0.0 (Stormwater)
Latitude	41º 56' 2.93"	Longitude	-78º 38' 53.65"
Quad Name	Bradford	Quad Code	41078H6
Wastewater Description:	Stormwater		
Receiving Waters	Rutherford Run (CWF)	Stream Code	57033
NHD Com ID	112366993	RMI	---
Drainage Area	---	Yield (cfs/mi^2)	---
Q_{7-10} Flow (cfs)	---	Q_{7-10} Basis	---
Elevation (ft)	---	Slope (ft/ft)	---
Watershed No.	16-C	Chapter 93 Class.	CWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake	Pennsylvania – New York State Border		
PWS Waters	Tunungwant Creek	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	4.8

Changes Since Last Permit Issuance: No changes since last permit issuance.

Other Comments: Outfall 005 is listed as the representative outfall for Outfall 004. This seems to be accurate based on the site map submitted with the application, the area covered by these two outfalls is mainly the lumber storage yard with some additional travel lanes that are covered. Stormwater monitoring requirements will be tied to Outfall 005; Outfall 004 will be included in the stormwater condition but will not receive monitoring requirements at this time.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	0
Latitude	41º 56' 2.93"	Longitude	-78º 38' 53.65"
Quad Name	Bradford	Quad Code	41078H6
Wastewater Description:	Stormwater		

Receiving Waters	Rutherford Run (CWF)	Stream Code	57033
NHD Com ID	112366993	RMI	--
Drainage Area	--	Yield (cfs/mi^2)	--
Q_{7-10} Flow (cfs)	--	Q_{7-10} Basis	--
Elevation (ft)	--	Slope (ft/ft)	--
Watershed No.	16-C	Chapter 93 Class.	CWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake		Pennsylvania – New York State Border	
PWS Waters	Tunungwant Creek	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	4.8

Changes Since Last Permit Issuance: No changes since last permit issuance.

Other Comments: Outfall 003 is listed as the representative outfall for Outfall 001, 002, 007, 008, 009, and 010. Stormwater monitoring requirements for these outfalls will be tied to Outfall 003; monitoring requirements for Outfall 001, 002, 007, 008, 009, and 010 will not be required at this time but will be mentioned in the Part C condition in the permit so the facility can continue to discharge from these outfalls.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	501	Design Flow (MGD)	0.144
Latitude	41º 56' 3.03"	Longitude	-78º 38' 48.13"
Quad Name	Bradford	Quad Code	40178H6
Wastewater Description:	Wet Decking Operation Emergency/Malfunction Outfall		

Receiving Waters	Rutherford Run (CWF)	Stream Code	57033
NHD Com ID	112367103	RMI	0.0800
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-C	Chapter 93 Class.	CWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake	Pennsylvania – New York State Border		
PWS Waters	Tunungwant Creek	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	4.8

Changes Since Last Permit Issuance: No changes since last permit issuance.

Other Comments: The limits calculated for the last permit renewal will be retained for the internal monitoring point connected to the Wet Decking Operation. No additional data has been submitted in order to calculate new limits for this outfall since the outfall has not discharged over the last permit term according to eDMR data. Water from the Wet Decking Operation is collected in a storage tank and reused.

Development of Effluent Limitations

Outfall No.	003	**Design Flow (MGD)**	0
Latitude	41º 56' 3.34"	**Longitude**	-78º 38' 50.09"
Outfall No.	005	**Design Flow (MGD)**	0
Latitude	41º 56' 2.66"	**Longitude**	-78º 38' 48.18"

Wastewater Description: Stormwater

Technology-Based Limitations

The following technology-based limitations apply, these monitoring requirements are considered the minimum technology and treatment standards based on the PAG-03 General Permit's Appendix D for Timber Products, subject to water quality analysis and BPJ where applicable:

Pollutant	Monitoring Requirements [1], [2]		Benchmark Values
	Minimum Measurement Frequency	Sample Type	
Total Nitrogen (mg/L) [3]	1/6 months	Calculation	XXX
Total Phosphorous (mg/L)	1/6 months	Grab	XXX
pH (S.U.)	1/6 months	Grab	9.0
Chemical Oxygen Demand (COD) (mg/L)	1/6 months	Grab	120
Total Suspended Solids (mg/L)	1/6 months	Grab	100
Pentachlorophenol (mg/L) [4]	1/6 months	Grab	XXX
Total Arsenic (mg/L) [5]	1/6 months	Grab	XXX
Total Chromium (mg/L) [5]	1/6 months	Grab	XXX
Total Copper (mg/L) [5]	1/6 months	Grab	XXX

Footnotes:

(1) The permittee shall conduct additional monitoring if specified by DEP in the letter authorizing permit coverage or other correspondence.

(2) This is the minimum number of sampling events required. Permittees may optionally perform additional sampling.

(3) Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO_2 + NO_3 – N), where TKN and NO_2 + NO_3 – N are measured in the same sample.

(4) Facilities that use chlorophenolic formulations must monitor for Pentachlorophenol. For all other facilities, monitoring for Pentachlorophenol is optional. If monitoring is not conducted, the permittee shall use a No Data Indicator (NODI) code on the DMR in lieu of sample data.

(5) Facilities that use chromium/copper/arsenic formulations must monitor for Total Arsenic, Total Chromium and Total Copper. For all other facilities, monitoring for Total Arsenic, Total Chromium and Total Copper is optional. If monitoring is not conducted, the permittee shall use a No Data Indicator (NODI) code on the DMR in lieu of sample data.

Outfall 005

Due to concerns regarding the continued exceedances of the benchmark values for COD and TSS at Outfall 005 the Department will implement quarterly testing at this outfall. The goal of the increased testing frequency is for the facility to ensure all BMPs within the PAG-03 Appendix D for Timber Products are implemented to reduce the concentrations of COD and TSS. Additional language from the PAG-03 General Permit will be added to the Part C Condition of the permit to explain additional measures the facility will be required to take in the event of 4 or more consecutive exceedances of the benchmark values. This will help the facility further identify what actions need to be taken in order to ensure the facility is not polluting the receiving water.

Development of Effluent Limitations

Outfall No. 501 **Design Flow (MGD)** 0.144
Latitude 41º 56' 2.66" **Longitude** -78º 38' 48.18"
Wastewater Description: Wet Decking Operation Emergency/Malfunction Outfall

Anti-Backsliding

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Weekly when Discharging	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Weekly when Discharging	Grab
Dissolved Oxygen	XXX	XXX	Report Inst Min	XXX	XXX	XXX	Weekly when Discharging	Grab
Chemical Oxygen Demand (COD)	Report	Report	XXX	Report	Report	XXX	Weekly when Discharging	8-Hr Composite
Total Suspended Solids	Report	Report	XXX	Report	Report	XXX	Weekly when Discharging	8-Hr Composite
Aluminum, Total (ug/L)	0.41	0.82	XXX	999.7	1999.4	2499.2	Weekly when Discharging	8-Hr Composite
Arsenic, Total (ug/L)	0.008	0.016	XXX	20.7	41.4	51.7	Weekly when Discharging	8-Hr Composite
Cadmium, Total (ug/L)	0.00037	0.00074	XXX	0.89	1.78	2.22	Weekly when Discharging	8-Hr Composite
Cobalt, Total (ug/L)	0.016	0.032	XXX	39.5	79.0	98.7	Weekly when Discharging	8-Hr Composite
Copper, Total (ug/L)	0.0138	0.0276	XXX	33.1	66.2	82.7	Weekly when Discharging	8-Hr Composite
Iron, Dissolved (ug/L)	0.26	0.52	XXX	623.9	1247.8	1559.7	Weekly when Discharging	8-Hr Composite
Iron, Total (ug/L)	1.3	2.6	XXX	3119.6	6239.2	7799	Weekly when Discharging	8-Hr Composite
Lead, Total (ug/L)	0.006	0.012	XXX	14.6	29.2	36.5	Weekly when Discharging	8-Hr Composite

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2)	Required
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum	Measurement Frequency	Sample Type
Manganese, Total (ug/L)	0.86	1.73	XXX	2079.7	4159.4	5199.2	Weekly when Discharging	8-Hr Composite
Thallium, Total (ug/L)	0.0002	0.0004	XXX	0.49	0.98	1.22	Weekly when Discharging	8-Hr Composite
Zinc, Total (ug/L)	0.11	0.22	XXX	271.5	543.0	678.7	Weekly when Discharging	8-Hr Composite
4,4-DDD (ug/L)	0.00000083	0.00000166	XXX	0.002	0.004	0.005	Weekly when Discharging	8-Hr Composite
4,4-DDT (ug/L)	0.00000083	0.00000166	XXX	0.002	0.004	0.005	Weekly when Discharging	8-Hr Composite
4,4-DDE (ug/L)	0.00000083	0.00000166	XXX	0.002	0.004	0.005	Weekly when Discharging	8-Hr Composite
2,4,6-Trichlorophenol (ug/L)	0.0069	0.0139	XXX	16.7	33.4	41.7	Weekly when Discharging	8-Hr Composite
Acrylamide (ug/L)	0.00034	0.00069	XXX	0.83	1.66	2.07	Weekly when Discharging	8-Hr Composite
Aldrin (ug/L)	0.0000002	0.00000041	XXX	0.0005	0.0010	0.0012	Weekly when Discharging	8-Hr Composite
alpha-BHC (ug/L)	0.000012	0.000025	XXX	0.03	0.06	0.07	Weekly when Discharging	8-Hr Composite
alpha-Endosulfan (ug/L)	0.000041	0.000083	XXX	0.10	0.20	0.25	Weekly when Discharging	8-Hr Composite
beta-BHC (ug/L)	0.000041	0.000083	XXX	0.10	0.20	0.25	Weekly when Discharging	8-Hr Composite
beta-Endosulfan (ug/L)	0.000041	0.000083	XXX	0.10	0.20	0.25	Weekly when Discharging	8-Hr Composite
Chlordane (ug/L)	0.0000037	0.0000075	XXX	0.009	0.018	0.022	Weekly when Discharging	8-Hr Composite
Bis(2-Ethylhexyl)Phthalate (ug/L)	0.0059	0.0119	XXX	14.3	28.6	35.7	Weekly when Discharging	8-Hr Composite
Dieldrin (ug/L)	0.00000025	0.00000050	XXX	0.0006	0.0012	0.0015	Weekly when Discharging	8-Hr Composite
Endrin (ug/L)	0.000029	0.000058	XXX	0.07	0.14	0.17	Weekly when Discharging	8-Hr Composite
gamma-BHC (Lindane) (ug/L)	0.000083	0.000166	XXX	0.2	0.4	0.5	Weekly when Discharging	8-Hr Composite
Heptachlor (ug/L)	0.00000037	0.00000075	XXX	0.0009	0.0018	0.0022	Weekly when Discharging	8-Hr Composite

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2)	Required
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum	Measurement Frequency	Sample Type
Heptachlor Epoxide (ug/L)	0.00000016	0.00000033	XXX	0.0004	0.0008	0.001	Weekly when Discharging	8-Hr Composite
Toxaphene (ug/L)	0.00000016	0.00000033	XXX	0.0004	0.0008	0.001	Weekly when Discharging	8-Hr Composite

Due to Anti-Backsliding regulations and no additional information being submitted for this outfall in the permit renewal application these limits will be retained from the previous permit. The facility has not discharged process wastewater from this outfall since the permit was last renewed as this was decided to be the most effective way the facility could remain in compliance with the conditions of the permit. The Wet Decking operation now collects the water that comes in contact with materials during the process and stores it in a storage tank to settle and be reused for future wet decking operations.

Based on the sites PPC (Preparedness, Prevention, and Contingency) Plan, the wet decking recycling system consists of the following. The drainage system for the south half of the log yard includes an in-ground cast-in-place concrete wet well vault, two 25,000-gallon water storage tanks, pumps and a piping network, a rain sensor and a master control system using a programmable logic controller to create a wet decking water recycling system with the intention to run the recycling system 10 hours per day. Discharge from the vault to Rutherford Run can occur when pool elevation in the vault rises to the emergency/storm water bypass outlet level and flows to Outfall 005. This most likely could occur during prolonged storm events or storm events of magnitude that exceed the combined capacity of the duplex pumps or the available storage volume in the tanks or a power failure.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

Outfall 003, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Semi-Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report SEMI AVG	XXX	XXX	XXX	XXX	XXX	1/6 months	Estimate
pH (S.U.)	XXX	XXX	Report Inst Min	XXX	XXX	Report	1/6 months	Grab
DO	XXX	XXX	Report Inst Min	XXX	XXX	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Total Phosphorous	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Total Arsenic (1)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Total Chromium (1)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Total Copper (1)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Pentachloro-phenol (2)	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 003.

(1) Other Comments: Facilities that use chlorophenolic formulations must monitor for Pentachlorophenol. For all other facilities, monitoring for Pentachlorophenol is optional. If monitoring is not conducted, the permittee shall use a No Data Indicator (NODI) code on the DMR in lieu of sample data.

(2) Facilities that use chromium/copper/arsenic formulations must monitor for Total Arsenic, Total Chromium and Total Copper. For all other facilities, monitoring for Total Arsenic, Total Chromium and Total Copper is optional. If monitoring is not conducted, the permittee shall use a No Data Indicator (NODI) code on the DMR in lieu of sample data.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

Outfall 005, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Semi-Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report QRTR AVG	XXX	XXX	XXX	XXX	XXX	1/4 months	Estimate
pH (S.U.)	XXX	XXX	Report Inst Min	XXX	XXX	Report	1/4 months	Grab
DO	XXX	XXX	Report Inst Min	XXX	XXX	XXX	1/4 months	Grab
COD	XXX	XXX	XXX	Report	XXX	XXX	1/4 months	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/4 months	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/4 months	Grab
Total Phosphorous	XXX	XXX	XXX	Report	XXX	XXX	1/4 months	Grab
Total Arsenic (1)	XXX	XXX	XXX	Report	XXX	XXX	1/4 months	Grab
Total Chromium (1)	XXX	XXX	XXX	Report	XXX	XXX	1/4 months	Grab
Total Copper (1)	XXX	XXX	XXX	Report	XXX	XXX	1/4 months	Grab
Pentachloro-phenol (2)	XXX	XXX	XXX	Report	XXX	XXX	1/4 months	Grab

Compliance Sampling Location: Outfall 005, prior to combining with other wastewaters.

(1) Other Comments: Facilities that use chlorophenolic formulations must monitor for Pentachlorophenol. For all other facilities, monitoring for Pentachlorophenol is optional. If monitoring is not conducted, the permittee shall use a No Data Indicator (NODI) code on the DMR in lieu of sample data.

(2) Facilities that use chromium/copper/arsenic formulations must monitor for Total Arsenic, Total Chromium and Total Copper. For all other facilities, monitoring for Total Arsenic, Total Chromium and Total Copper is optional. If monitoring is not conducted, the permittee shall use a No Data Indicator (NODI) code on the DMR in lieu of sample data.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

Outfall 501, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Weekly when Discharging	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Weekly when Discharging	Grab
DO	XXX	XXX	Report Inst Min	XXX	XXX	XXX	Weekly when Discharging	Grab
COD	Report	Report	XXX	Report	Report	XXX	Weekly when Discharging	8-Hr Composite
TSS	Report	Report	XXX	Report	Report	XXX	Weekly when Discharging	8-Hr Composite
Total Aluminum (ug/L)	0.41	0.82	XXX	999.7	1999.4	2499.2	Weekly when Discharging	8-Hr Composite
Total Arsenic (ug/L)	0.008	0.016	XXX	20.7	41.4	51.7	Weekly when Discharging	8-Hr Composite
Total Cadmium (ug/L)	0.00037	0.00074	XXX	0.89	1.78	2.22	Weekly when Discharging	8-Hr Composite
Total Cobalt (ug/L)	0.016	0.032	XXX	39.5	79.0	98.7	Weekly when Discharging	8-Hr Composite
Total Copper (ug/L)	0.0138	0.0276	XXX	33.1	66.2	82.7	Weekly when Discharging	8-Hr Composite
Dissolved Iron (ug/L)	0.26	0.52	XXX	623.9	1247.8	1559.7	Weekly when Discharging	8-Hr Composite
Total Iron (ug/L)	1.3	2.6	XXX	3119.6	6239.2	7799	Weekly when Discharging	8-Hr Composite
Total Lead (ug/L)	0.006	0.012	XXX	14.6	29.2	36.5	Weekly when Discharging	8-Hr Composite
Total Manganese (ug/L)	0.86	1.73	XXX	2079.7	4159.4	5199.2	Weekly when Discharging	8-Hr Composite

Outfall 501 , Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Thallium (ug/L)	0.0002	0.0004	XXX	0.49	0.98	1.22	Weekly when Discharging	8-Hr Composite
Total Zinc (ug/L)	0.11	0.22	XXX	271.5	543.0	678.7	Weekly when Discharging	8-Hr Composite
4,4-DDD (ug/L)	0.00000083	0.00000166	XXX	0.002	0.004	0.005	Weekly when Discharging	8-Hr Composite
4,4-DDT (ug/L)	0.00000083	0.00000166	XXX	0.002	0.004	0.005	Weekly when Discharging	8-Hr Composite
4,4-DDE (ug/L)	0.00000083	0.00000166	XXX	0.002	0.004	0.005	Weekly when Discharging	8-Hr Composite
2,4,6-Trichlorophenol (ug/L)	0.0069	0.0139	XXX	16.7	33.4	41.7	Weekly when Discharging	8-Hr Composite
Acrylamide (ug/L)	0.00034	0.00069	XXX	0.83	1.66	2.07	Weekly when Discharging	8-Hr Composite
Aldrin (ug/L)	0.0000002	0.00000041	XXX	0.0005	0.0010	0.0012	Weekly when Discharging	8-Hr Composite
alpha-BHC (ug/L)	0.000012	0.000025	XXX	0.03	0.06	0.07	Weekly when Discharging	8-Hr Composite
alpha-Endosulfan (ug/L)	0.000041	0.000083	XXX	0.10	0.20	0.25	Weekly when Discharging	8-Hr Composite
beta-BHC (ug/L)	0.000041	0.000083	XXX	0.10	0.20	0.25	Weekly when Discharging	8-Hr Composite
beta-Endosulfan (ug/L)	0.000041	0.000083	XXX	0.10	0.20	0.25	Weekly when Discharging	8-Hr Composite
Chlordane (ug/L)	0.0000037	0.0000075	XXX	0.009	0.018	0.022	Weekly when Discharging	8-Hr Composite
Bis(2-Ethyl-hexyl)Phthalate (ug/L)	0.0059	0.0119	XXX	14.3	28.6	35.7	Weekly when Discharging	8-Hr Composite
Dieldrin (ug/L)	0.00000025	0.00000050	XXX	0.0006	0.0012	0.0015	Weekly when Discharging	8-Hr Composite
Endrin (ug/L)	0.000029	0.000058	XXX	0.07	0.14	0.17	Weekly when Discharging	8-Hr Composite
gamma-BHC (ug/L)	0.000083	0.000166	XXX	0.2	0.4	0.5	Weekly when Discharging	8-Hr Composite
Heptachlor (ug/L)	0.00000037	0.00000075	XXX	0.0009	0.0018	0.0022	Weekly when Discharging	8-Hr Composite
Heptachlor Epoxide (ug/L)	0.00000016	0.00000033	XXX	0.0004	0.0008	0.001	Weekly when Discharging	8-Hr Composite

Outfall 501 , Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Toxaphene (ug/L)	0.00000016	0.00000033	XXX	0.0004	0.0008	0.001	Weekly when Discharging	8-Hr Composite

Compliance Sampling Location: IMP 501, prior to combing with other wastestreams.

Other Comments: These limits are retained from the previous permit due to anti-backsliding regulations.