pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0244856**
Facility Type	**Industrial**	APS ID	**1046004**
Major / Minor	**Minor**	Authorization ID	**1366147**

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

Applicant and Facility Information

Applicant Name	**Waste Management of Fairless, LLC**	Facility Name	**Fairless Landfill**
Applicant Address	1000 New Ford Mill Road	Facility Address	South Pennsylvania Avenue And Bordentown Road
	Morrisville, PA 19067-3704		Fairless Hills, PA 19030
Applicant Contact	Jeff Shanks	Facility Contact	Jeff Shanks
Applicant Phone	(215) 269-2251	Facility Phone	(215) 269-2251
Client ID	269759	Site ID	716489
SIC Code	4953	Municipality	Falls Township
SIC Description	Trans. & Utilities - Refuse Systems	County	Bucks
Date Application Received	August 28, 2020	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: Renewal of NPDES Permit

Summary of Review

The permittee, waste Management of Fairless, Inc. (WMF) has submitted application for renewal of NPDES Permit to discharge industrial stormwater from the Fairless Landfill into Delaware River. In addition, the WMF has requested that treated landfill leachate currently discharged under Outfall 001 and Stormwater Outfalls 002, 006, and 009 of the GROWS NPDES Permit No, PA0043818 be transferred to the Fairless Landfill permit.

Waste Management operates and maintains both active and closed landfills in Morrisville, PA. Fairless Landfill, an active solid waste landfill is operated by Waste Management of Fairless, LLC (WMF). Waste Management Disposal Services of PA, Inc (WMDSPA) maintains closed landfills which include the GROWS Landfill and GROWS North Landfill. The Tullytown Resource Recovery Facility (TRRF) is maintained by Waste Management of PA (WMPA). Leachate generated from active Fairless Landfill, closed GROWS Landfill, closed GROWS North Landfill, and closed TRRF is conveyed to a leachate treatment system for treatment prior to discharge to Delaware River.

Effluent from the on-site leachate treatment system is currently discharged at Outfall 001 and stormwater in the area of the leachate treatment system is currently discharged at Outfalls 002, 006, and 009 under NPDES Permit No. PA0043818 for the GROWS Landfill. However, since GROWS is a closed landfill operation, Waste Management is requesting approval to transfer the leachate treatment system discharge and related stormwater discharges to the Fairless Landfill NPDES Permit PA0244856 to associate these discharges with an active landfill operation.

Approve	Deny	Signatures	Date
X		*Ketan Thaker* Ketan Thaker / Project Manager	9/30/2021
X		*Pravin Patel* Pravin C. Patel, P.E. / Environmental Engineer Manager	09/30/2021

Summary of Review

We have transferred these Outfalls 001, 002, 006, and 009 from GROWS Landfill NPDES permit PA0043818 into Fairless Landfill permit PA0244856 for this renewal. These Outfalls are numbered as following:

Outfall 005 (Formerly GROWS Outfall 001 – Effluent from Leachate Treatment Plant)
Outfall 006 (Formerly GROWS Outfall 006)
Outfall 007 (Formerly GROWS Outfall 002)
Outfall 009 (Formerly GROWS Outfall 009)

The numbering of existing Stormwater Outfalls 001, 002, and 003 in the Fairless Permit will remain the same.

The leachate treatment system includes two treatment plants. (1) A main plant that treats regular leachate (main plant) and (2) A plant that treats F039 leachate (F039 plant). The main plant has a peak flow peak flow capacity of 300,000 gallons per day (gpd) and a design average flow capacity of 230,000 gpd.

Listed hazardous leachate (F039) that is generated at the site is treated in the F039 plant also known as Hazardous Leachate Treatment Plant (HLTP) designed for 34,400 gpd.

The main plant effluent and F039 plant effluent s are combined in a common header before discharge via Outfall 001 using high rate subsurface diffuser in the main stem of Delaware River.

The main leachate treatment plant (LTP) includes equalization, primary solids removal, sequencing batch reactors (SBR), dissolved air floatation, media filtration, reverse osmosis and solid management. Other processes at the plant, including second stage reverse osmosis process, evaporator, and crystallizer are no longer in operation and have been placed off-line. The LTP is designed to treat 0.3 MGD of non-hazardous leachate.

The new Leachate Treatment Plant (LTP) which became operational in December 2012 will continue to discharge treated effluent to Delaware River Zone 2 via Outfall 001 at new discharge location in the main stem of Delaware River. Storm water from different parts of the capped landfill area are being discharged into Delaware River via various stormwater outfalls. The Delaware River is classified at this location as warm water, migratory fisheries (WWF, MF).

The LTP will continue to serve the Tullytown Landfill, GROWS Landfill, the GROWS North Landfill, and Fairless Landfill. These landfills are located in Falls Township, Bucks County. In addition, approved non-hazardous waste liquids and sludge are disposed at landfills. Some of these waste streams originate from municipalities that are located outside of the Delaware River Basin. 100 percent removal of the loading associated with these truck-transported out of the basin waste streams is required to be removed at the LTP. The landfills receive wastes from (1) In-basin wastes: residential and commercial refuse; incinerator ash and approved specialty wastes, plus municipal and private sewage treatment plant sludge. (2) Out-of-basin wastes: residential and commercial refuse; incinerator ash and approved specialty wastes; plus municipal and private sewage treatment plant sludge.

Hazardous leachate at the site has similar characteristics as non-hazardous leachate and will continue to be treated by a smaller Hazardous Leachate Treatment Plant (HLTP) which consists of a feed tank, an SBR, an effluent equalization tank, and a plate and frame filter press. The flow from the HLTP will be monitored prior to its combining with the flow from the LTP.

The LTP and HLTP effluent is combined in a common header before discharge via Outfall 001 (a high rate subsurface diffuser in the main stem of Delaware River) that replaced a previous outfall located in an embayment of Delaware River.

A portion of the treated leachate is conveyed to the Municipal Authority of the Borough of Morrisville (MBMA) wastewater treatment plant (WWTP) following pre-treatment by permittee via a pump station. Phase IV Leachate Treatment Pilot Study was approved on July 7, 2015 which allowed gradual increase of pretreated leachate flow from 0.06 mgd to 0.120 mgd.

The wasted sludge will continue to be hauled off-site by licensed hauler for disposal at an approved facility.
The following criteria are used in developing effluent limits in the permit:

1. Best Available Technology (BAT) – Technology-based effluent limits from “Technical Guidance for NPDES Permitting of Landfill Leachate Discharges”
2. Water Quality Criteria
3. Delaware River Basin Commission (DRBC) Requirements
4. Site-Specific BAT where applicable

Summary of Review

5. ELG for Landfills Point Source Category 40 CFR Part 445

Effluent limits for most of the parameters are based on BAT from Technical Guidance for Landfill Leachate Discharges. When GROWS Landfill was in operation and expanding and recycling leachate many times before discharging to the Delaware River, the leachate was getting stronger and stronger with high concentrations for some of the metals, including Arsenic and Chromium, Total. The new Leachate Treatment Plant was designed to address these issues. BAT for these parameters, including Arsenic and Chromium, were evaluated considering the following:

1. Research Study (Proven Technology/Reliability)
2. Results from Pilot Tests
3. Ability to Meet Permit Limits
4. Experience with these Processes in Similar Applications
5. Nonwater Quality Environmental Impacts
6. Cost Impacts

Iron Co-Precipitation was selected for the proposed new treatment plant. The expected BAT performance for Arsenic is 10 percent removal (i.e., 310 ppb influent and 279 ppb effluent. So we negotiated the permit limit of 150 ppb in place of 279 ppb). The expected BAT performance for Chromium, Total is 40 percent removal (i.e., 276 ppb influent and 166 ppb effluent. We negotiated a permit limit of 150 ppb in place of 166 ppb). Technical Guidance for Landfill Leachate shows no treatment for Arsenic in normal leachate (41.8 ppb influent Conc. and 50 ppb as BAT limit), and about 30 percent removal for Chromium, Total (i.e., 175 ppb Influent Conc., and 125 ppb as BAT limit).

The best technology economically available is the basis for the limits for Arsenic and Chromium, Total. Due to recycling the effluent for a higher flow of 0.3 mgd, the facility had to treat the influent using BAT that was economically feasible.

The permittee had submitted an application to the Delaware River Basin Commission (DRBC) on December 3, 2008, for Total Dissolved Solids (TDS) determination to increase the current effluent limits from 15,000 mg/l to 19,100 mg/l. The DRBC Docket D-99-54-4 for NPDES Permit PA0043818 for GROWS Landfill Leachate Treatment Plant (LTP) was issued on March 17, 2009, to revise the TDS limit from 15,000 mg/l to 19,100 mg/l. This docket also revised the effluent limit of BOD_5 to 26 mg/l from 53 mg/l, $CBOD_{20}$ limit of 30 mg/l from 62 mg/l, and addition of 85 percent removal of Total Suspended Solids (TSS) in the NPDES permit. That docket applied to the existing LTP and existing discharge location (embayment) and the permit flow of 0.1 MGD.

The permittee believed that effluent criteria identified in the DRBC Docket D88-54-5 cannot be met for color and reliably TDS. WMDSPA has submitted an application (color questionnaire and study) to DRBC to revise the color limit to reflect BAT and to authorize a color variance. Additionally, WMDSPA planed on conducting a biological study for the LTP outfall location upon commencement of the new discharge to revise TDS limits to 19,100 mg/l. DRBC's letter dated August 16, 2010, regarding variance for the color limit established by Docket No. D-1988-054-5. The permittee was required to modify the treatment plant to include ozone and granular activate carbon (GAC) units to meet the true color limit of 750 Pt-Co units. The new plant was approved in the DRBC Docket No. 1988-054-6 and constructed under Water Quality Management (WQM) Permit No. 0911201.

The last DRBC Docket No. D-1988-054-7 issued on September 16, 2015 included CBOD20 limit of 42 lbs/day, Total Dissolved Solids (TDS) limit of 15,000 mg/l (Average Monthly) and 20,000 mg/l (Daily Maximum), and True Color (Pt.-Co) limit of 750 units (Inst. Maximum). The most recent DRBC Docket No. D-1988-054-8 for NPDES Permit PA0043818 for GROWS Landfill LTP issued on March 10, 2021 includes monthly monitoring requirement Gross Alpha (pCi/L).

We have included monthly monitoring for Gross Alpha Radioactivity in the permit as two of the three effluent samples exceeded DRBC stream quality objective of 3 pCi/L. We have removed CBOD20 percent removal and mass loading requirements in the permit renewal and have maintained the BOD5 percent removal & load limits as recommended by DRBC. We have included effluent limit of 4.0 mg/l for Dissolved Oxygen in the permit and permittee should not have any problem meeting this limit. Monitoring requirement for Bromoform is revised to quarterly for this permit renewal. We have included effluent limit of 10.2 TUa for Acute Toxicity Test for this permit renewal. Although, the last for WET tests passed, there was one failure for Acute and Chronic Test earlier and few elevated results for both Acute and Chronic Toxicity. Based on our discussion with DRBC, it was recommended that Acute Toxicity limit of 10.2 TUa for Ceriodaphnia as it is most sensitive species for WET and is appropriate for the permit renewal.

Summary of Review

The effluent limitations are as follows for a design flow of 0.3 MGD:

Parameter	Final Effluent Limitations (mg/l)		Limit Required?	Governing Criteria
	Average Monthly	Daily Max.		
BOD_5	30	60	Yes	DRBC
BOD_5 (% removal)	95%		Yes	DRBC
TSS	30	60	Yes	WQBEL
TSS (% removal)	90		Yes	DRBC
Total Dissolved Solids	15,000	20,000	Yes	DRBC
Ammonia as N	4.90	10	Yes	PA BAT
CBOD20 (lbs/day)	42		Yes	DRBC
Oil & Grease	15	30	Yes	WQBEL
True Color (Pt-Co)		750	Yes	DRBC
Fecal Coliform	200	1,000	Yes	WQBEL
Temperature (ºF)		M/R	Yes	M/R
pH (STD)	6.0	9.0	Yes	WQBEL
Total Organic Nitrogen	Report	Report	Yes	
Nitrate & Nitrite Nitrogen	Report	Report	Yes	
Total Kjeldahl Nitrogen	Report	Report	Yes	
Phosphorus as P	Report	Report	Yes	
Total Residual Chlorine	0.5	1.0	Yes	WQBEL
Dissolved Oxygen	4.0			BPJ
Antimony, Total	0.450	0.900	*YES	PA BAT
Arsenic, Total	0.150	0.300	Yes	PA BAT
Beryllium, Total	0.005	0.010	Yes	PA BAT
Boron	>10%		Yes	PA BAT
Chromium, Hex.			NO	WQBEL
Chromium, Total	0.150	0.300	Yes	PA BAT
Cadmium, Total	0.005	0.010	Yes	PA BAT
Aluminum, Total	0.275	0.550	Yes	PA BAT
Cobalt, Total	0.050	0.100	Yes	PA BAT
Iron, Total	2.500	5.000	Yes	WQBEL
Barium	0.100	0.200	Yes	PA BAT
Mercury	0.0004	0.0008	Yes	PA BAT
Nickel	0.200	0.400	Yes	PA BAT
Silver	0.01	0.02	Yes	BAT
Cyanide, Total	0.075	0.150	Yes	BAT
Vanadium	0.100	0.200	Yes	BAT
Phenol	0.015	0.026	Yes	FEBAT
Thallium			NO	PA BAT
Copper, Total	0.050	0.100	Yes	PA BAT
Lead, Total	0.036	0.072	Yes	PA BAT
Manganese	1.000	2.000	Yes	PA BAT
Zinc, Total	0.110	0.200	Yes	FEBAT
Bromoform	M/R		NO	

Summary of Review

Total Halomethanes	0.027 AA	0.324 (I-MAX)	Yes	PA BAT
Chloroform	0.010	0.020	Yes	WQBEL
Methylene Chloride	M/R	M/R	*YES	PA BAT
Chloromethane (Methyl Chloride)	M/R	M/R	*YES	PA BAT
Toluene	M/R	M/R	*YES	PA BAT
Butyl Benzyl Phthelete	M/R	M/R	*YES	PA BAT
2-Chloronapthalene	M/R	M/R	*YES	PA BAT
Diethyl Phthalate	M/R	M/R	*YES	PA BAT
Lindane (Gamma BHC)	M/R	M/R	*YES	PA BAT
Isophorone	M/R	M/R	*YES	DRBC
Acetone	0.109	0.218	Yes	PA BAT
2-Butanone (MEK)	0.210	0.420	*YES	PA BAT
BIS-(Chloromethyl) Ether			NO	PA BAT
1,2,3-Trichloropropane	0.100	0.200	YES	PA BAT
Xylene	0.010	0.020	YES	PA BAT
1-Propanol	0.550	1.100	YES	PA BAT
2-Propanol	0.540	1.080	YES	PA BAT
Tetrahydrofuran	0.025	0.050	Yes	PA BAT
P-Cresol	0.014	0.025	Yes	FEBAT
2-Hexanone	0.015	0.030	YES	PA BAT
4-Methyl 2-Pentanone	0.015	0.030	YES	PA BAT
Dibromemethane (Methylene Bromide)	0.010	0.020	Yes	PA BAT
1,1,1-Trichloroethane	M/R	M/R	*YES	PA BAT
1,2-Trans Dichloroethylene	0.030	0.600	*YES	PA BAT
Benzene	0.036	0.072	YES	WQBEL
1,1-Dichloroerthane	M/R	M/R	*YES	PA BAT
Chlorobenzene			NO	Not Required
1,2-Dichloroethane	M/R	M/R	YES	M/R
Tetrachloroetylene	M/R	M/R	YES	M/R
Trichloroethylene	M/R	M/R	YES	M/R
Benzoic Acid	0.071	0.12	Yes	FEBAT
α-terpineol	0.016	0.033	Yes	FEBAT
Tritium	M/R	M/R	Yes	PA BAT
PCBs, Total	M/R	M/R	Yes	DRBC
Whole Effluent Toxicity, Chronic (TUCc)		M/R	Yes	DRBC
Whole Effluent Toxicity, Acute (TUa)		10.2	Yes	DRBC
Heptachlor	M/R	M/R	Yes	DRBC
4,4'-DDT	0.000003	0.000006	Yes	WQBEL
4,4'-DDD	0.000003	0.000006	Yes	WQBEL
4,4'-DDE	0.000003	0.000006	Yes	WQBEL
Selenium			NO	

Summary of Review

1,2-Dichloropropane			NO	
Ethylbenzene			NO	
1,2,4-Dichloroethane			NO	
2-Chlorophenol			NO	
Parameter	**Final Effluent Limitations (mg/l)**		**Limit Required?**	**Governing Criteria**
	Average Monthly	**Daily Max.**		
2,4-Dichlorophenol			NO	
2,4-Diethylphenol			NO	
4 Chloro-3-Methylphenol			NO	
Acenaphthene			NO	
Hexachlorocyclopentaadience			NO	
Nitrobenzene			NO	
Arsenic, Trivalent			NO	
Chloropyrifos			NO	
Endosulfan			NO	
Endrin			NO	
Parathion			NO	
Aldrin			NO	
Alpha-BHC			NO	
Chlordane	M/R	M/R	*YES	DRBC
Dieldrin	M/R	M/R	*YES	DRBC
Heptachlor	M/R	M/R	*YES	DRBC
Heptachlor Epoxide	M/R	M/R	*YES	DRBC
Toxaphene	M/R	M/R	*YES	DRBC
Acrylonitrite			NO	
Bromodichloromethane			NO	
Carbon Tetrachloride			NO	
Chlorodibromomethane			NO	
1,3-Dichloropropene			NO	
1,1,2,2-Tetrachloroethylene			NO	
1,1,2-Trichloroethane			NO	
Vinyl Chloride			NO	
Benzidine	M/R	M/R	Yes	DRBC
3,3-Dichlorobenzidine			NO	
Benz(a)anthracene			NO	
Benzo(a)fluoranthene			NO	
Benzo(k)fluoranthene			NO	
Benzo(a)pyrene			NO	
Chrysene			NO	
Dibenz[a,h]anthracene			NO	
Indeno[1,2,3-cd]pyrene			NO	
Bis(2-chloroethyl)ether			NO	
Parameter	**Final Effluent Limitations (mg/l)**		**Limit Required?**	**Governing Criteria**
	Average Monthly	**Daily Max.**		
Bis(2-ethylhexyl)phthalate			NO	

Summary of Review

Dinitrotolune Mixture (2,4 & 2,6)			NO	
1,2 Diphenylhydrazine			NO	
Hexachlorobenzene			NO	
Hexachlorobutadiene			NO	
Hexachloroethane			NO	
N-nitrosodi-N-methylamine			NO	
N-nitrosodi-N-propylamine			NO	
N-nitrosodi-N-phenylamine			NO	
Pentachlorophenol			NO	
2,4,6-Trichlorophenol			NO	
Gross Alpha Radioactivity	M/R		NO	
Dioxin (2,3,7,8-TCDD) (E-08)			NO	

* Discharge concentrations are less than BAT. No limit required; however, monitoring shall be continued.

PCBs Monitoring and PMP Plan:

GROWS has been required to collect 2 Dry-Weather samples per year since its initial permit requiring PCBs monitoring. The original PMP was received on 6/6/2006 and annual reports have been received during subsequent years since then i.e. 2007-2014. A review of the data indicates concentrations have shown a marked decline since the original data submissions of 2005-2007. An update treatment plant has helped reduce PCB loadings by installing a more efficient solids removal system and by including the addition of a reverse osmosis element. 2/year dry weather monitoring requirement will continue in this permit renewal.

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.	001	Design Flow (MGD)	0
Latitude	40Âº 8' 44.80"	Longitude	-74Âº 45' 27.03"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Delaware River (WWF, MF)	Stream Code	
NHD Com ID		RMI	0.2800
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-E	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	POLYCHLORINATED BIPHENYLS (PCBS),		
Source(s) of Impairment	SOURCE UNKNOWN		
TMDL Status	Final	Name	Delaware River Estuary PCB TMDLs

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

Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0
Latitude	40Âº 8' 44.80"	Longitude	-74Âº 45' 27.03"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Delaware River (WWF, MF)	Stream Code	
NHD Com ID		RMI	
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-E	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	POLYCHLORINATED BIPHENYLS (PCBS),		
Source(s) of Impairment	SOURCE UNKNOWN		
TMDL Status	Final	Name	Delaware River Estuary PCB TMDLs

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

Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	0
Latitude	40Âº 9' 10.52"	Longitude	-74Âº 45' 52.52"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		

Receiving Waters	Delaware River (WWF, MF)	Stream Code	
NHD Com ID		RMI	
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-E	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status			
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			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	005 (Formerly GROWS Outfall 001)	Design Flow (MGD)	0.3
Latitude	40Âº 7' 59.22"	Longitude	-74Âº 45' 46.05"
Quad Name		Quad Code	
Wastewater Description:	IW Process Effluent with ELG		

Receiving Waters	Delaware River (WWF, MF)	Stream Code	
NHD Com ID	25486816	RMI	
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-E	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	POLYCHLORINATED BIPHENYLS (PCBS)		
Source(s) of Impairment	SOURCE UNKNOWN		
TMDL Status	Final	Name	Delaware River Estuary PCB TMDLs

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

Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	006 (Formerly GROWS Outfall 006)	Design Flow (MGD)	0
Latitude	40Âº 7' 59.22"	Longitude	-74Âº 45' 46.05"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		

Receiving Waters	Delaware River (WWF, MF)	Stream Code	
NHD Com ID	25486816	RMI	
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-E	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	POLYCHLORINATED BIPHENYLS (PCBS)		
Source(s) of Impairment	SOURCE UNKNOWN		
TMDL Status	Final	Name	Delaware River Estuary PCB TMDLs

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

Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	007 Formerly GROWS Outfall 002)	Design Flow (MGD)	0
Latitude	40Âº 7' 59.22"	Longitude	-74Âº 45' 46.05"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		

Receiving Waters	Delaware River (WWF, MF)	Stream Code	
NHD Com ID	25486816	RMI	
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-E	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	POLYCHLORINATED BIPHENYLS (PCBS)		
Source(s) of Impairment	SOURCE UNKNOWN		
TMDL Status	Final	Name	Delaware River Estuary PCB TMDLs

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

Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	009 (Formerly GROWS Outfall 009)	Design Flow (MGD)	0
Latitude	40Âº 7' 59.22"	Longitude	-74Âº 45' 46.05"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		

Receiving Waters	Delaware River (WWF, MF)	Stream Code	
NHD Com ID	25486816	RMI	
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-E	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	POLYCHLORINATED BIPHENYLS (PCBS)		
Source(s) of Impairment	SOURCE UNKNOWN		
TMDL Status	Final	Name	Delaware River Estuary PCB TMDLs

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

Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Compliance History

DMR Data for Outfall 001 (from August 1, 2020 to July 31, 2021)

Parameter	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20
pH (S.U.) Average Quarterly		7.56			8.06			7.60			7.37	
pH (S.U.) Daily Maximum		7.56			8.06			7.60			7.37	
Color (Pt-Co Units) Average Quarterly		30			5.0			40			25	
Color (Pt-Co Units) Daily Maximum		30			5.0			40			25	
CBOD5 (mg/L) Average Quarterly		5			< 2			< 2			< 2	
CBOD5 (mg/L) Daily Maximum		5			< 2			< 2			< 2	
COD (mg/L) Average Quarterly		48			14			24			32	
COD (mg/L) Daily Maximum		48			14			24			32	
TSS (mg/L) Average Quarterly		18			< 2			8			6	
TSS (mg/L) Daily Maximum		18			< 2			8			6	
Total Dissolved Solids (mg/L) Average Quarterly		372			152			476			452	
Total Dissolved Solids (mg/L) Daily Maximum		372			152			476			452	
Oil and Grease (mg/L) Average Quarterly		< 6			< 6			< 5			< 6	
Oil and Grease (mg/L) Daily Maximum		< 6			< 6			< 5			< 6	
Nitrate-Nitrite (mg/L) Average Quarterly		0.31			< 0.05			0.78			< 0.05	
Nitrate-Nitrite (mg/L) Daily Maximum		0.31			< 0.05			0.78			< 0.05	
Ammonia (mg/L) Average Quarterly		< 0.10			< 0.10			< 0.10			< 0.10	

Ammonia (mg/L) Daily Maximum		< 0.10			< 0.10			< 0.10			< 0.10	
Total Arsenic (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Arsenic (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Total Barium (mg/L) Average Quarterly		0.06			0.04			0.06			0.08	
Total Barium (mg/L) Daily Maximum		0.06			0.04			0.06			0.08	
Total Cadmium (mg/L) Average Quarterly		< 0.002			< 0.002			< 0.002			< 0.002	
Total Cadmium (mg/L) Daily Maximum		< 0.002			< 0.002			< 0.002			< 0.002	
Total Chromium (mg/L) Average Quarterly		< 0.01			< 0.01			< 0.01			< 0.01	
Total Chromium (mg/L) Daily Maximum		< 0.01			< 0.01			< 0.01			< 0.01	
Total Cyanide (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Cyanide (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Dissolved Iron (mg/L) Average Quarterly		0.48			< 0.05			0.10			< 0.05	
Dissolved Iron (mg/L) Daily Maximum		0.48			< 0.05			0.10			< 0.05	
Total Iron (mg/L) Average Quarterly		0.93			0.08			1.06			0.31	
Total Iron (mg/L) Daily Maximum		0.93			0.08			1.06			0.31	
Total Lead (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Lead (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Dissolved Magnesium (mg/L) Average Quarterly		9.9			4.6			8.5			7.4	
Dissolved Magnesium (mg/L) Daily Maximum		9.9			4.6			8.5			7.4	
Total Magnesium (mg/L) Average Quarterly		9.4			4.6			9.0			8.1	

Total Magnesium (mg/L) Daily Maximum		9.4			4.6			9.0			8.1	
Total Mercury (mg/L) Average Quarterly		< 0.0002			< 0.0002			< 0.0002			< 0.0002	
Total Mercury (mg/L) Daily Maximum		< 0.0002			< 0.0002			< 0.0002			< 0.0002	
Total Selenium (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Selenium (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Total Silver (mg/L) Average Quarterly		< 0.005			< 0.005			< 0.005			< 0.005	
Total Silver (mg/L) Daily Maximum		< 0.005			< 0.005			< 0.005			< 0.005	
Sulfate (mg/L) Average Quarterly		93.9			37.5			176			187	
Sulfate (mg/L) Daily Maximum		93.9			37.5			176			187	
Total Tritium (pCi/L) Average Quarterly		64.4			28.4			240			80.6	
Total Tritium (pCi/L) Daily Maximum		64.4			28.4			240			80.6	
1,4-Dioxane (mg/L) Average Quarterly		< 0.0002			< 0.0002			< 0.0002			< 0.0002	
1,4-Dioxane (mg/L) Daily Maximum		< 0.0002			< 0.0002			< 0.0002			< 0.0002	
Chloride (mg/L) Average Quarterly		66.8			13.8			69.0			68.8	
Chloride (mg/L) Daily Maximum		66.8			13.8			69.0			68.8	
Bromide (mg/L) Average Quarterly		0.2			< 0.2			0.2			0.2	
Bromide (mg/L) Daily Maximum		0.2			< 0.2			0.2			0.2	
TOC (mg/L) Average Quarterly		14.3			4.5			10.6			12.0	
TOC (mg/L) Daily Maximum		14.3			4.5			10.6			12.0	

DMR Data for Outfall 002 (from August 1, 2020 to July 31, 2021)

Parameter	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20
pH (S.U.) Average Quarterly		7.75			8.01			7.83			7.61	
pH (S.U.) Daily Maximum		7.75			8.01			7.83			7.61	
Color (Pt-Co Units) Average Quarterly		25			20			15			25	
Color (Pt-Co Units) Daily Maximum		25			20			15			25	
CBOD5 (mg/L) Average Quarterly		5			6			3			2	
CBOD5 (mg/L) Daily Maximum		5			6			3			2	
COD (mg/L) Average Quarterly		66			34			42			35	
COD (mg/L) Daily Maximum		66			34			42			35	
TSS (mg/L) Average Quarterly		136			36			20			17	
TSS (mg/L) Daily Maximum		136			36			20			17	
Total Dissolved Solids (mg/L) Average Quarterly		460			310			494			466	
Total Dissolved Solids (mg/L) Daily Maximum		460			310			494			466	
Oil and Grease (mg/L) Average Quarterly		9			< 6			< 5			< 5	
Oil and Grease (mg/L) Daily Maximum		9			< 6			< 5			< 5	
Nitrate-Nitrite (mg/L) Average Quarterly		0.36			0.31			0.25			< 0.05	
Nitrate-Nitrite (mg/L) Daily Maximum		0.36			0.31			0.25			< 0.05	
Ammonia (mg/L) Average Quarterly		0.41			2.12			< 0.10			< 0.10	
Ammonia (mg/L) Daily Maximum		0.41			2.12			< 0.10			< 0.10	
Total Arsenic (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Arsenic (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	

Total Barium (mg/L) Average Quarterly		0.19			0.09			0.05			0.09	
Total Barium (mg/L) Daily Maximum		0.19			0.09			0.05			0.09	
Total Cadmium (mg/L) Average Quarterly		< 0.002			< 0.002			< 0.002			< 0.002	
Total Cadmium (mg/L) Daily Maximum		< 0.002			< 0.002			< 0.002			< 0.002	
Total Chromium (mg/L) Average Quarterly		0.02			< 0.01			< 0.01			< 0.01	
Total Chromium (mg/L) Daily Maximum		0.02			< 0.01			< 0.01			< 0.01	
Total Cyanide (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Cyanide (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Dissolved Iron (mg/L) Average Quarterly		1.01			0.47			0.15			< 0.05	
Dissolved Iron (mg/L) Daily Maximum		1.01			0.47			0.15			< 0.05	
Total Iron (mg/L) Average Quarterly		8.35			2.90			0.47			0.96	
Total Iron (mg/L) Daily Maximum		8.35			2.90			0.47			0.96	
Total Lead (mg/L) Average Quarterly		0.09			0.05			< 0.02			< 0.02	
Total Lead (mg/L) Daily Maximum		0.09			0.05			< 0.02			< 0.02	
Dissolved Magnesium (mg/L) Average Quarterly		9.1			8.0			8.4			7.6	
Dissolved Magnesium (mg/L) Daily Maximum		9.1			8.0			8.4			7.6	
Total Magnesium (mg/L) Average Quarterly		10.2			8.8			8.7			7.5	
Total Magnesium (mg/L) Daily Maximum		10.2			8.8			8.7			7.5	
Total Mercury (mg/L) Average Quarterly		< 0.0002			< 0.20			< 0.0002			< 0.0002	
Total Mercury (mg/L) Daily Maximum		< 0.0002			< 0.20			< 0.0002			< 0.0002	

Total Selenium (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Selenium (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Total Silver (mg/L) Average Quarterly		< 0.005			< 0.005			< 0.005			< 0.005	
Total Silver (mg/L) Daily Maximum		< 0.005			< 0.005			< 0.005			< 0.005	
Sulfate (mg/L) Average Quarterly		97.3			75.3			185			186	
Sulfate (mg/L) Daily Maximum		97.3			75.3			185			186	
Total Tritium (pCi/L) Average Quarterly		124			144			136			103	
Total Tritium (pCi/L) Daily Maximum		124			144			136			103	
1,4-Dioxane (mg/L) Average Quarterly		< 0.0002			< 0.0002			< 0.0002			< 0.0002	
1,4-Dioxane (mg/L) Daily Maximum		< 0.0002			< 0.0002			< 0.0002			< 0.0002	
Chloride (mg/L) Average Quarterly		77.1			37.9			77.2			68.9	
Chloride (mg/L) Daily Maximum		77.1			37.9			77.2			68.9	
Bromide (mg/L) Average Quarterly		0.2			< 0.2			0.4			0.2	
Bromide (mg/L) Daily Maximum		0.2			< 0.2			0.4			0.2	
TOC (mg/L) Average Quarterly		17.8			9.1			11.7			13.4	
TOC (mg/L) Daily Maximum		17.8			9.1			11.7			13.4	

DMR Data for Outfall 003 (from August 1, 2020 to July 31, 2021)

Parameter	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20
pH (S.U.) Average Quarterly		7.71			8.33			7.37			7.13	
pH (S.U.) Daily Maximum		7.71			8.33			7.37			7.13	
Color (Pt-Co Units) Average Quarterly		20			25			20			25	
Color (Pt-Co Units) Daily Maximum		20			25			20			25	

CBOD5 (mg/L) Average Quarterly		5			2			2			6	
CBOD5 (mg/L) Daily Maximum		5			2			2			6	
COD (mg/L) Average Quarterly		31			34			31			31	
COD (mg/L) Daily Maximum		31			34			31			31	
TSS (mg/L) Average Quarterly		16			18			52			23	
TSS (mg/L) Daily Maximum		16			18			52			23	
Total Dissolved Solids (mg/L) Average Quarterly		214			330			220			206	
Total Dissolved Solids (mg/L) Daily Maximum		214			330			220			206	
Oil and Grease (mg/L) Average Quarterly		12			< 5			< 5			< 5	
Oil and Grease (mg/L) Daily Maximum		12			< 5			< 5			< 5	
Nitrate-Nitrite (mg/L) Average Quarterly		0.11			9.53			0.17			< 0.05	
Nitrate-Nitrite (mg/L) Daily Maximum		0.11			9.53			0.17			< 0.05	
Ammonia (mg/L) Average Quarterly		< 0.10			< 0.10			0.12			< 0.1	
Ammonia (mg/L) Daily Maximum		< 0.10			< 0.10			0.12			< 0.1	
Total Arsenic (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Arsenic (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Total Barium (mg/L) Average Quarterly		0.05			0.05			0.07			0.06	
Total Barium (mg/L) Daily Maximum		0.05			0.05			0.07			0.06	
Total Cadmium (mg/L) Average Quarterly		< 0.002			< 0.002			< 0.002			< 0.002	
Total Cadmium (mg/L) Daily Maximum		< 0.002			< 0.002			< 0.002			< 0.002	
Total Chromium (mg/L) Average Quarterly		< 0.01			< 0.01			< 0.01			< 0.01	

Total Chromium (mg/L) Daily Maximum		< 0.01			< 0.01			< 0.01			< 0.01	
Total Cyanide (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Cyanide (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Dissolved Iron (mg/L) Average Quarterly		0.24			0.06			0.27			< 0.05	
Dissolved Iron (mg/L) Daily Maximum		0.24			0.06			0.27			< 0.05	
Total Iron (mg/L) Average Quarterly		1.21			0.40			0.91			0.98	
Total Iron (mg/L) Daily Maximum		1.21			0.40			0.91			0.98	
Total Lead (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Lead (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Dissolved Magnesium (mg/L) Average Quarterly		5.9			18.5			7.7			2.9	
Dissolved Magnesium (mg/L) Daily Maximum		5.9			18.5			7.7			2.9	
Total Magnesium (mg/L) Average Quarterly		5.6			19.1			7.5			3.0	
Total Magnesium (mg/L) Daily Maximum		5.6			19.1			7.5			3.0	
Total Mercury (mg/L) Average Quarterly		< 0.0002			< 0.0004			< 0.0004			< 0.0002	
Total Mercury (mg/L) Daily Maximum		< 0.0002			< 0.0004			< 0.0004			< 0.0002	
Total Selenium (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Selenium (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Total Silver (mg/L) Average Quarterly		< 0.005			< 0.005			< 0.005			< 0.005	
Total Silver (mg/L) Daily Maximum		< 0.005			< 0.005			< 0.005			< 0.005	
Sulfate (mg/L) Average Quarterly		21.5			71.3			51.9			14.3	

Sulfate (mg/L) Daily Maximum		21.5			71.3			51.9			14.3	
Total Tritium (pCi/L) Average Quarterly		61.7			117			95.5			59.9	
Total Tritium (pCi/L) Daily Maximum		61.7			117			95.5			59.9	
1,4-Dioxane (mg/L) Average Quarterly		< 0.0002			0.0004			< 0.0002			< 0.0002	
1,4-Dioxane (mg/L) Daily Maximum		< 0.0002			0.0004			< 0.0002			< 0.0002	
Chloride (mg/L) Average Quarterly		53.7			9.0			14.1			62.1	
Chloride (mg/L) Daily Maximum		53.7			9.0			14.1			62.1	
Bromide (mg/L) Average Quarterly		< 0.2			< 0.2			< 0.2			< 0.2	
Bromide (mg/L) Daily Maximum		< 0.2			< 0.2			< 0.2			< 0.2	
TOC (mg/L) Average Quarterly		9.5			9.9			9.3			10.2	
TOC (mg/L) Daily Maximum		9.5			9.9			9.3			10.2	

Whole Effluent Toxicity (WET)

For Outfall 005, ☒ **Acute** ☒ **Chronic** WET Testing was completed:

☐ For the permit renewal application (4 tests).
☒ Quarterly throughout the permit term.
☐ Quarterly throughout the permit term and a TIE/TRE was conducted.
☐ Other:

The dilution series used for the tests was: 100%, 60%, 30%, 2%, and 1%. The Target Instream Waste Concentration (TIWC) to be used for analysis of the results is: 1%.

Summary of Four Most Recent Test Results

TST Data Analysis

(NOTE – In lieu of recording information below, the application manager may attach the DEP WET Analysis Spreadsheet).

Test Date	***Ceriodaphnia* Results (Pass/Fail)**		***Pimephales* Results (Pass/Fail)**	
	Survival	**Reproduction**	**Survival**	**Growth**
12/8/2020	Pass	Pass	Pass	Pass
3/9/2021	Pass	Pass	Pass	Pass
6/1/2021	Pass	Pass	Pass	Pass
8/10/2021	Pass	Pass	Pass	Pass

***** *A "passing" result is that in which the replicate data for the TIWC is not statistically significant from the control condition. This is exhibited when the calculated t value ("T-Test Result") is greater than the critical t value. A "failing" result is exhibited when the calculated t value ("T-Test Result") is less than the critical t value.*

Is there reasonable potential for an excursion above water quality standards based on the results of these tests? (*NOTE – In general, reasonable potential is determined anytime there is at least one test failure in the previous four tests).*

☐ **YES** ☐ **NO**

Comments: Although, last four WET tests passed, there was one failure earlier for Acute Test & Chronic Test, and few elevated results for both Acute and Chronic Tests. Therefore, we have included effluent limit of 10.2 TUa for Acute Toxicity for Ceriodaphania as it the most sensitive species for WET as recommended by DRBC for this permit renewal. Quarterly monitoring for Chronic WET test will continue for this permit with dilution series of 1%, 2%, 30%, 60%, and 100% with The Target Instream Waste Concentration (TIWC) to be used for analysis of the results is: 1%.

Evaluation of Test Type, IWC and Dilution Series for Renewed Permit

Acute Partial Mix Factor (PMFa): **0.006** Chronic Partial Mix Factor (PMFc): **0.860**

1. **Determine IWC – Acute (IWCa)**:

   $(Q_d \times 1.547) / ((Q_{7\text{-}10} \times PMFa) + (Q_d \times 1.547))$

   [(0.30 MGD x 1.547) / ((2634 cfs x 0.006) + (0.3 MGD x 1.547))] x 100 = **2.941%**

   Is IWCa < 1%? ☐ **YES** ☒ **NO**

   If the discharge is to the tidal portion of the Delaware River, indicate how the type of test was determined:

   DRBC recommendation.

   Type of Test for Permit Renewal: **Chronic and Acute**

2. **Determine Target IWCc (If Chronic Tests Required)**

   $(Q_d \times 1.547) / (Q_{7\text{-}10} \times PMFc) + (Q_d \times 1.547)$

   [(0.3 MGD x 1.547) / ((2634 cfs x 0.860) + (0.3 MGD x 1.547))] x 100 = 0.0**20%**

3. **Determine Dilution Series**

   (NOTE – check Attachment C of WET SOP for dilution series based on TIWCa or TIWCc, whichever applies).

   Dilution Series = 100%, 60%, 30%, 2%, and 1%.

WET Limits

Has reasonable potential been determined? ☒ YES ☐ NO

Will WET limits be established in the permit? ☒ YES ☐ NO

Compliance History

DMR Data for Outfall 005 (formerly GROWS Outfall 001) (from August 1, 2020 to July 31, 2021)

Parameter	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20
Flow (MGD) Average Monthly	0.173848	0.122085	0.042073	0.088358	0.193343	0.16203	0.138152	0.218561	0.195376	0.249421	0.194582	0.189373
pH (S.U.) Instantaneous Minimum	7.17	6.35	5.9	6.37	6.37	6.28	6.44	7.07	6.17	6.19	6.18	6.17
pH (S.U.) Instantaneous Maximum	7.58	7.70	7.6	7.49	7.6	7.6	7.64	7.48	7.4	7.43	7.47	7.22
DO (mg/L) Instantaneous Minimum	0.05	7.1	7.6	7.7	7.5	8.0	8.3	8.0	7.7	8.0	7.1	5.6
TRC (mg/L) Average Monthly	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG
TRC (mg/L) Daily Maximum	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG
TRC (mg/L) Instantaneous Maximum	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG
Color (Pt-Co Units) Instantaneous Maximum	600	400	300	250	300	620	300	300	400	400	250	200
Temperature (ºF) Instantaneous Maximum	92.12	92.48	89.24	87.74	83.66	75.38	76.46	78.98	81.14	82.58	83.84	87.62
BOD5 (lbs/day) Average Monthly	< 2.899	< 2.036	< 0.788	< 1.473	< 5.804	< 2.702	< 2.30	< 3.64	< 3.258	< 4.16	< 3.245	< 3.158
BOD5 (lbs/day) Influent Average Monthly	2003.026	1618.92	1133.37	1173.522	2141.051	2085.44	1593.187	1641.61	1010.657	1328.188	1313.18	1216.115
BOD5 (lbs/day) Daily Maximum	< 2.899	2.036	1.05	1.473	16.124	< 2.702	2.3	< 3.64	3.258	< 4.16	3.25	< 3.158
BOD5 (%) Percent Removal Minimum Monthly Average	99.8	99.8	99.8	99.8	99.66	99.8	99.8	99.72	98.3	99.6	99.48	99.3
BOD5 (mg/L) Average Monthly	< 2	< 2	< 2.25	< 2	< 3.6	< 2	< 2	< 2	< 2	< 2	< 2	< 2

BOD5 (mg/L) Influent Average Monthly	1381.5	1590	3230	1592	1327.80	1543	1382.7	900.60	620.25	638.5	809.20	770
BOD5 (mg/L) Daily Maximum	< 2	2	3.0	2	10	< 2	2	< 2	2	< 2	2	< 2
CBOD20 (lbs/day) Average Monthly	< 13.05	9.366	3.157	< 6.632	< 18.704	15.54	12.96	< 20.05	21.99	34.842	26.937	21.321
CBOD20 (%) Percent Removal Minimum Monthly Average	99.8	99.8	99.9	99.8	99.7	99.8	99.8	99.6	99.6	99.5	99.4	99.3
TSS (lbs/day) Average Monthly	< 4.349	< 4.88	< 1.40	4.236	< 4.191	< 4.389	< 3.168	< 6.56	11.81	< 5.72	< 8.113	< 4.105
TSS (lbs/day) Influent Average Monthly	150.426	233.979	93.95	204.122	2163.62 6	185.47	308.786	922.336	431.392	262.621	481.0	212.898
TSS (lbs/day) Daily Maximum	8.699	11.20	2.10	6.632	6.449	8.107	3.456	< 14.58	19.55	8.32	34.08	9.476
TSS (%) Percent Removal Minimum Monthly Average	95.6	97.8	97.8	97.4	97	97.5	98.6	99.2	95.8	97.3	97.78	97.8
TSS (mg/L) Average Monthly	< 3	< 4.8	< 4	5.75	< 2.6	< 3.25	< 3	< 3.6	7.3	< 2.75	< 5	< 2.6
TSS (mg/L) Influent Average Monthly	103.75	229.8	267.7	277	1341.8	137.2	268	506.0	264.8	126.25	296.4	134.8
TSS (mg/L) Daily Maximum	6	11	6	9.0	4.0	6	3	< 8	12.0	4	21.0	6
Total Dissolved Solids (mg/L) Average Monthly	2195	2806	2547	3733	3290	4375	3562.5	3254	4247.5	3722.5	2742.5	2480
Total Dissolved Solids (mg/L) Daily Maximum	3020	3870	4210	5130	4790	7090	4540	6720	7860	9450	4720	3270
Oil and Grease (lbs/day) Average Monthly	< 7.249	< 5.09	< 1.75	< 3.684	< 8.062	< 6.756	< 5.76	< 9.11	< 8.147	< 10.92	< 8.114	< 7.896
Oil and Grease (lbs/day) Daily Maximum	< 7.249	5.09	< 1.75	< 3.684	< 8.062	< 6.756	< 5.76	< 9.11	< 8.147	< 12.48	< 8.114	< 7.896
Oil and Grease (mg/L) Average Monthly	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Oil and Grease (mg/L) Daily Maximum	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Oil and Grease (mg/L) Instantaneous Maximum	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 6.0	< 5.0	< 5.0
Fecal Coliform (No./100 ml) Geometric Mean	< 2	< 3	< 3	< 2	< 2	< 2	< 4	< 3	< 4	< 2	< 2	< 4
Fecal Coliform (No./100 ml) Instantaneous Maximum	< 2	10	5	< 2	< 2	< 2	23	13	36	< 2	5	100
Nitrate-Nitrite (mg/L) Average Monthly	175.2	190.6	170	202.7	200.2	288.75	234	249.2	274.0	138	177.0	160.5
Nitrate-Nitrite (mg/L) Daily Maximum	223	238	261	265	248	448	273	436	488	150	272.0	192
Total Nitrogen (mg/L) Average Monthly	< 73.7	< 14.2	< 20.4	< 21.2	< 20	< 36	< 21.5	< 22	< 26	< 20.2	< 25.7	< 15.2
Total Nitrogen (mg/L) Daily Maximum	230	< 25	21.6	< 25	< 25	< 50	< 25	< 25	< 26	26.0	32.5	< 20
Ammonia (lbs/day) Average Monthly	< 0.155	< 0.18	< 0.054	< 0.117	< 0.210	< 0.195	< 0.218	< 0.28	< 0.292	< 0.208	< 0.141	0.735
Ammonia (lbs/day) Daily Maximum	0.188	0.49	0.073	0.184	0.354	0.337	0.414	0.51	0.619	< 0.208	0.194	1.216
Ammonia (mg/L) Average Monthly	< 0.11	< 0.18	< 0.15	< 0.16	< 0.134	< 0.15	< 0.18	< 0.15	< 0.18	< 0.10	< 0.087	0.53
Ammonia (mg/L) Daily Maximum	0.13	0.49	0.21	0.25	0.15	0.25	0.36	0.28	0.38	< 0.10	0.12	0.77
Total Phosphorus (mg/L) Average Monthly	0.04	0.068	0.07	0.09	0.09	0.087	0.06	0.07	0.07	0.04	0.10	0.03
Total Phosphorus (mg/L) Daily Maximum	0.05	0.09	0.10	0.12	0.22	0.12	0.11	0.14	0.11	0.05	0.17	0.05
Total Aluminum (lbs/day) Average Monthly	0.145	< 0.101	< 0.091	< 0.007	< 0.161	< 0.135	< 0.115	< 0.182	< 0.202	< 0.208	< 0.403	< 0.088
Total Aluminum (lbs/day) Daily Maximum	0.145	< 0.101	0.147	< 0.007	< 0.161	< 0.135	< 0.115	< 0.182	< 0.202	< 0.208	0.973	< 0.157
Total Aluminum (mg/L) Average Monthly	0.100	< 0.100	< 0.260	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.124	< 0.100	< 0.248	< 0.050
Total Aluminum (mg/L) Daily Maximum	0.100	< 0.100	0.421	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.124	< 0.100	0.600	< 0.100

Total Antimony (lbs/day) Average Monthly	< 0.144	< 0.10	< 0.035	< 0.073	< 0.161	< 0.135	< 0.115	< 0.182	< 0.162	< 0.208	< 0.008	< 0.079
Total Antimony (lbs/day) Daily Maximum	< 0.144	< 0.10	< 0.035	< 0.073	< 0.161	< 0.135	< 0.115	< 0.182	< 0.162	< 0.208	< 0.016	< 0.157
Total Antimony (mg/L) Average Monthly	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.005	< 0.050
Total Antimony (mg/L) Daily Maximum	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.010	< 0.100
Total Arsenic (lbs/day) Average Monthly	< 0.029	< 0.020	< 0.007	< 0.014	< 0.032	< 0.027	< 0.023	< 0.036	< 0.032	< 0.041	< 0.013	< 0.016
Total Arsenic (lbs/day) Daily Maximum	< 0.029	< 0.020	< 0.007	< 0.014	< 0.032	< 0.027	< 0.023	< 0.036	< 0.032	< 0.041	< 0.032	< 0.031
Total Arsenic (mg/L) Average Monthly	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.008	< 0.010
Total Arsenic (mg/L) Daily Maximum	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Total Barium (lbs/day) Average Monthly	< 0.014	< 0.010	0.003	0.073	0.080	0.067	0.138	0.127	0.146	0.020	0.040	0.027
Total Barium (lbs/day) Daily Maximum	< 0.014	< 0.010	0.003	0.073	0.080	0.067	0.138	0.127	0.146	0.020	0.048	0.047
Total Barium (mg/L) Average Monthly	< 0.010	< 0.010	0.010	0.100	0.050	0.050	0.090	0.070	0.090	0.010	0.025	0.017
Total Barium (mg/L) Daily Maximum	< 0.010	< 0.010	0.010	0.100	0.050	0.050	0.120	0.070	0.090	0.010	0.030	0.030
Total Beryllium (lbs/day) Average Monthly		< 0.0003			< 0.0010			< 0.0020			< 0.0010	
Total Beryllium (lbs/day) Daily Maximum		< 0.0003			< 0.0010			< 0.0020			< 0.0010	
Total Beryllium (mg/L) Average Monthly		< 0.001			< 0.001			< 0.001			< 0.0010	
Total Beryllium (mg/L) Daily Maximum		< 0.001			< 0.001			< 0.001			< 0.0010	
Total Boron (lbs/day) Average Monthly	15.78	9.112	3.938	6.946	12.167	12.81	9.248	14.713	11.939	13.629	11.95	9.438
Total Boron (lbs/day) Influent Average Monthly	17.786	15.089	7.938	11.476	20.749	20.40	15.718	20.908	18.562	23.349	30.508	21.794
Total Boron (lbs/day) Daily Maximum	18.123	12.523	5.017	7.162	14.592	15.27	9.977	18.173	13.214	15.185	16.195	10.629
Total Boron (lbs/day) Influent Daily Maximum	31.607	21.178	9.123	13.411	29.508	28.24	19.011	26.43	23.463	25.794	35.864	26.849

Total Boron (%) Percent Removal Minimum Monthly Average	44.9	48.3	50.6	38.3	40	33.4	39.2	28.39	34.3	40.8	59.02	55.0
Total Boron (mg/L) Average Monthly	10.88	8.95	11.2	9.43	7.54	9.48	8.02	8.07	7.35	6.55	7.36	5.97
Total Boron (mg/L) Influent Average Monthly	12.26	14.8	22.6	15.5	12.86	14.9	13.64	11.47	11.39	11.22	18.8	13.8
Total Boron (mg/L) Daily Maximum	12.5	12.3	14.3	9.72	9.05	11.3	8.66	9.97	8.52	7.30	9.98	6.73
Total Boron (mg/L) Influent Daily Maximum	21.8	20.8	26.0	18.2	18.3	20.9	16.5	14.5	14.4	12.4	22.1	17.0
Total Cadmium (lbs/day) Average Monthly	< 0.0020	< 0.0020	< 0.0010	< 0.0010	< 0.0030	< 0.0020	< 0.0020	< 0.0030	< 0.0030	< 0.0040	< 0.0010	< 0.0030
Total Cadmium (lbs/day) Daily Maximum	< 0.0020	< 0.0020	< 0.0010	< 0.0010	< 0.0030	< 0.0020	< 0.0020	< 0.0030	< 0.0030	< 0.0040	< 0.0030	< 0.0003
Total Cadmium (mg/L) Average Monthly	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.0008	< 0.001
Total Cadmium (mg/L) Daily Maximum	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Hexavalent Chromium (mg/L) Average Monthly	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.01	< 0.015
Hexavalent Chromium (mg/L) Daily Maximum	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.03	< 0.02	< 0.02	< 0.020
Total Chromium (lbs/day) Average Monthly	< 0.014	< 0.010	< 0.004	0.022	0.016	0.013	0.034	0.036	0.048	< 0.020	< 0.015	0.009
Total Chromium (lbs/day) Daily Maximum	< 0.014	< 0.010	< 0.004	0.022	0.016	0.013	0.034	0.036	0.048	< 0.020	< 0.016	0.015
Total Chromium (mg/L) Average Monthly	< 0.010	< 0.010	< 0.010	0.030	0.010	< 0.010	0.030	0.020	0.030	< 0.010	< 0.009	0.006
Total Chromium (mg/L) Daily Maximum	< 0.010	< 0.010	< 0.010	0.030	0.010	0.010	0.030	0.020	0.030	< 0.010	< 0.010	0.010
Total Cobalt (lbs/day) Average Monthly		< 0.002			< 0.005			< 0.010			< 0.009	
Total Cobalt (lbs/day) Daily Maximum		< 0.002			< 0.005			< 0.010			< 0.009	

Total Cobalt (mg/L) Average Monthly		< 0.005			< 0.005			< 0.005			< 0.005	
Total Cobalt (mg/L) Daily Maximum		< 0.005			< 0.005			< 0.005			< 0.005	
Total Copper (lbs/day) Average Monthly	< 0.014	< 0.010	< 0.004	< 0.007	< 0.016	< 0.013	< 0.011	< 0.018	< 0.016	< 0.020	< 0.006	< 0.008
Total Copper (lbs/day) Daily Maximum	< 0.014	< 0.010	< 0.004	< 0.007	< 0.016	< 0.013	< 0.011	< 0.018	< 0.016	< 0.020	< 0.016	< 0.015
Total Copper (mg/L) Average Monthly	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.004	< 0.005
Total Copper (mg/L) Daily Maximum	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Cyanide (lbs/day) Average Monthly	< 0.028	< 0.020	< 0.007	< 0.014	< 0.032	< 0.027	0.024	< 0.036	< 0.032	< 0.041	< 0.026	< 0.025
Total Cyanide (lbs/day) Daily Maximum	< 0.028	< 0.020	< 0.007	< 0.014	< 0.032	< 0.027	0.024	< 0.036	< 0.032	< 0.041	< 0.032	< 0.031
Total Cyanide (mg/L) Average Monthly	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.021	< 0.020	< 0.020	< 0.020	< 0.016	< 0.010
Total Cyanide (mg/L) Daily Maximum	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.021	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Total Iron (lbs/day) Average Monthly	< 0.072	< 0.05	0.035	0.176	0.145	0.243	0.23	0.236	0.439	< 0.104	0.14	< 0.102
Total Iron (lbs/day) Daily Maximum	< 0.072	< 0.05	0.035	0.176	0.145	0.243	0.23	0.236	0.439	< 0.104	0.194	0.126
Total Iron (mg/L) Average Monthly	< 0.05	< 0.05	0.10	0.24	0.09	0.18	0.20	0.13	0.270	< 0.05	0.086	< 0.06
Total Iron (mg/L) Daily Maximum	< 0.05	< 0.05	0.10	0.24	0.09	0.18	0.20	0.13	0.270	< 0.05	0.12	0.08
Total Lead (lbs/day) Average Monthly	< 0.028	< 0.020	< 0.007	< 0.014	< 0.032	< 0.027	< 0.023	< 0.036	< 0.032	< 0.041	< 0.011	< 0.016
Total Lead (lbs/day) Daily Maximum	< 0.028	< 0.020	< 0.007	< 0.014	< 0.032	< 0.027	< 0.023	< 0.036	< 0.032	< 0.041	< 0.032	< 0.031
Total Lead (mg/L) Average Monthly	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.007	< 0.010
Total Lead (mg/L) Daily Maximum	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Total Manganese (lbs/day) Average Monthly		0.007			0.368			0.062			0.145	
Total Manganese (lbs/day) Daily Maximum		0.007			0.368			0.062			0.145	

Total Manganese (mg/L) Average Monthly		0.02			0.32			0.03			0.08	
Total Manganese (mg/L) Daily Maximum		0.02			0.32			0.03			0.08	
Total Mercury (lbs/day) Average Monthly	< 0.0003	< 0.0002	< 0.0001	< 0.0001	< 0.0003	< 0.0003	< 0.0002	< 0.0004	< 0.0003	< 0.0004	< 0.0003	< 0.0003
Total Mercury (lbs/day) Daily Maximum	< 0.0003	< 0.0002	< 0.0001	< 0.0001	< 0.0003	< 0.0003	< 0.0002	< 0.0004	< 0.0003	< 0.0004	< 0.0003	< 0.0003
Total Mercury (mg/L) Average Monthly	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Total Mercury (mg/L) Daily Maximum	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Total Nickel (lbs/day) Average Monthly	< 0.014	< 0.010	< 0.004	0.022	0.032	< 0.013	0.034	0.036	0.048	< 0.020	< 0.019	0.012
Total Nickel (lbs/day) Daily Maximum	< 0.014	< 0.010	< 0.004	0.022	0.032	< 0.013	0.034	0.036	0.048	< 0.020	0.023	0.015
Total Nickel (mg/L) Average Monthly	< 0.01	< 0.010	< 0.01	0.03	0.02	< 0.01	0.03	0.02	0.03	< 0.01	< 0.012	0.008
Total Nickel (mg/L) Daily Maximum	< 0.01	< 0.010	< 0.01	0.03	0.02	< 0.01	0.03	0.02	0.03	< 0.01	0.015	0.01
Total Silver (lbs/day) Average Monthly	< 0.007	< 0.005	< 0.002	< 0.003	< 0.008	< 0.006	< 0.006	< 0.009	< 0.008	< 0.010	< 0.008	< 0.003
Total Silver (lbs/day) Daily Maximum	< 0.007	< 0.005	< 0.002	< 0.003	< 0.008	< 0.006	< 0.006	< 0.009	< 0.008	< 0.010	< 0.008	< 0.007
Total Silver (mg/L) Average Monthly	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0018	< 0.0026
Total Silver (mg/L) Daily Maximum	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Thallium (lbs/day) Average Monthly	< 0.028	< 0.020	< 0.007	< 0.014	< 0.032	< 0.027	< 0.023	< 0.036	< 0.032	< 0.041	< 0.010	< 0.015
Total Thallium (lbs/day) Daily Maximum	< 0.028	< 0.020	< 0.007	< 0.014	< 0.032	< 0.027	< 0.023	< 0.036	< 0.032	< 0.041	< 0.032	< 0.031
Total Thallium (mg/L) Average Monthly	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.0068	< 0.010
Total Thallium (mg/L) Daily Maximum	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Total Tritium (pCi/L) Daily Maximum		103000			56800			96400			108000	

Total Vanadium (lbs/day) Average Monthly	< 0.007	< 0.005	< 0.002	< 0.003	< 0.008	< 0.006	0.007	< 0.009	< 0.008	< 0.010	< 0.008	< 0.007
Total Vanadium (lbs/day) Daily Maximum	< 0.007	< 0.005	< 0.002	< 0.003	< 0.008	< 0.006	0.007	< 0.009	< 0.008	< 0.010	< 0.008	< 0.007
Total Vanadium (mg/L) Average Monthly	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Vanadium (mg/L) Daily Maximum	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Zinc (lbs/day) Average Monthly	< 0.014	< 0.010	< 0.004	0.014	< 0.016	< 0.013	0.012	< 0.018	< 0.016	< 0.020	< 0.019	< 0.011
Total Zinc (lbs/day) Daily Maximum	< 0.014	< 0.010	< 0.004	0.014	< 0.016	< 0.013	0.012	< 0.018	< 0.016	< 0.020	0.032	< 0.015
Total Zinc (mg/L) Average Monthly	< 0.010	< 0.010	< 0.010	0.020	< 0.010	< 0.010	0.010	< 0.010	< 0.010	< 0.010	< 0.012	< 0.007
Total Zinc (mg/L) Daily Maximum	< 0.010	< 0.010	< 0.010	0.020	< 0.010	< 0.010	0.010	< 0.010	< 0.010	< 0.010	0.020	< 0.007
4,4-DDD (lbs/day) Average Monthly	< 0.000004	< 0.000003	< 0.000001	< 0.000002	< 0.000005	< 0.000004	< 0.000003	< 0.000005	0.000007	< 0.000006	< 0.000004	< 0.000004
4,4-DDD (lbs/day) Daily Maximum	< 0.000004	< 0.000003	< 0.000001	< 0.000002	< 0.000005	< 0.000004	< 0.000003	< 0.000005	0.000007	< 0.000006	< 0.000005	< 0.000005
4,4-DDD (mg/L) Average Monthly	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003
4,4-DDD (mg/L) Daily Maximum	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003
4,4-DDT (lbs/day) Average Monthly	< 0.000004	< 0.000003	< 0.000001	< 0.000002	< 0.000005	< 0.000004	< 0.000003	< 0.000005	0.000007	< 0.000006	< 0.000004	< 0.000004
4,4-DDT (lbs/day) Daily Maximum	< 0.000004	< 0.000003	< 0.000001	< 0.000002	< 0.000005	< 0.000004	< 0.000003	< 0.000005	0.000007	< 0.000006	< 0.000005	< 0.000005
4,4-DDT (mg/L) Average Monthly	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003
4,4-DDT (mg/L) Daily Maximum	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003

4,4-DDE (lbs/day) Average Monthly	< 0.000004	< 0.000003	< 0.000001	< 0.000002	< 0.000005	< 0.000004	< 0.000003	< 0.000005	0.000007	< 0.000006	< 0.000004	< 0.000004
4,4-DDE (lbs/day) Daily Maximum	< 0.000004	< 0.000003	< 0.000001	< 0.000002	< 0.000005	< 0.000004	< 0.000003	< 0.000005	0.000007	< 0.000006	< 0.000005	< 0.000005
4,4-DDE (mg/L) Average Monthly	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003
4,4-DDE (mg/L) Daily Maximum	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003
2-Hexanone (lbs/day) Average Monthly	< 0.007	< 0.005	< 0.002	< 0.004	< 0.008	< 0.007	< 0.006	< 0.009	< 0.008	< 0.010	< 0.008	< 0.008
2-Hexanone (lbs/day) Daily Maximum	< 0.007	< 0.005	< 0.002	< 0.004	< 0.008	< 0.007	< 0.006	< 0.009	< 0.008	< 0.010	< 0.008	< 0.008
2-Hexanone (mg/L) Average Monthly	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Hexanone (mg/L) Daily Maximum	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
4-Methyl-2-pentanone (lbs/day) Average Monthly	< 0.001	< 0.001	< 0.0004	< 0.001	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
4-Methyl-2-pentanone (lbs/day) Daily Maximum	< 0.001	< 0.001	< 0.0004	< 0.001	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
4-Methyl-2-pentanone (mg/L) Average Monthly	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
4-Methyl-2-pentanone (mg/L) Daily Maximum	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Isopropanol (lbs/day) Average Monthly	< 0.145	< 0.102	< 0.035	< 0.074	< 0.161	< 0.135	< 0.115	0.365	< 0.163	< 0.208	< 0.162	< 0.158
Isopropanol (lbs/day) Daily Maximum	< 0.145	< 0.102	< 0.035	< 0.074	< 0.161	< 0.135	< 0.115	0.365	< 0.163	< 0.208	< 0.162	< 0.158
Isopropanol (mg/L) Average Monthly	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.200	< 0.100	< 0.100	< 0.100	< 0.100
Isopropanol (mg/L) Daily Maximum	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.200	< 0.100	< 0.100	< 0.100	< 0.100
Pentachloro-phenol (mg/L) Average Monthly	< 0.019	< 0.019	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.008	< 0.01
Pentachloro-phenol (mg/L) Daily Maximum	< 0.019	< 0.019	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.023	< 0.02

Phenol (lbs/day) Average Monthly	< 0.013	< 0.009	< 0.004	< 0.007	< 0.016	< 0.013	< 0.011	< 0.018	< 0.016	< 0.020	< 0.006	< 0.008
Phenol (lbs/day) Daily Maximum	< 0.013	< 0.009	< 0.004	< 0.007	< 0.016	< 0.013	< 0.011	< 0.018	< 0.016	< 0.020	< 0.017	< 0.015
Phenol (mg/L) Average Monthly	< 0.0095	< 0.0095	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.004	< 0.005
Phenol (mg/L) Daily Maximum	< 0.0095	< 0.0095	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	< 0.010
Acetone (lbs/day) Average Monthly	< 0.014	< 0.010	< 0.035	0.011	< 0.016	< 0.013	< 0.011	0.025	< 0.016	< 0.020	< 0.016	< 0.015
Acetone (lbs/day) Daily Maximum	< 0.014	< 0.010	< 0.035	0.011	< 0.016	< 0.013	< 0.011	0.025	< 0.016	< 0.020	< 0.016	< 0.015
Acetone (mg/L) Average Monthly	< 0.01	< 0.010	< 0.010	0.0157	< 0.01	< 0.010	< 0.01	0.014	< 0.01	< 0.010	< 0.01	< 0.01
Acetone (mg/L) Daily Maximum	< 0.010	< 0.010	< 0.010	0.0157	< 0.010	< 0.010	< 0.010	0.014	< 0.010	< 0.010	< 0.010	< 0.010
a-Terpineol (lbs/day) Average Monthly	< 0.013	< 0.009	< 0.004	< 0.007	< 0.016	< 0.013	< 0.011	< 0.018	< 0.016	< 0.020	< 0.018	< 0.015
a-Terpineol (lbs/day) Daily Maximum	< 0.013	< 0.009	< 0.004	< 0.007	< 0.016	< 0.013	< 0.011	< 0.018	< 0.016	< 0.020	< 0.018	< 0.015
a-Terpineol (mg/L) Average Monthly	< 0.0095	< 0.0095	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	< 0.010
a-Terpineol (mg/L) Daily Maximum	< 0.0095	< 0.0095	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	< 0.010
Chlorobenzene (mg/L) Average Monthly	< 0.005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.050	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chlorobenzene (mg/L) Daily Maximum	< 0.005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.050	< 0.0005	< 0.0005	< 0.0005	< 0.0005
1-Propanol (lbs/day) Average Monthly	< 0.145	< 0.102	< 0.035	< 0.074	< 0.161	< 0.135	< 0.115	< 0.182	< 0.163	< 0.208	< 0.162	< 0.158
1-Propanol (lbs/day) Daily Maximum	< 0.145	< 0.102	< 0.035	< 0.074	< 0.161	< 0.135	< 0.115	< 0.182	< 0.163	< 0.208	< 0.162	< 0.158
1-Propanol (mg/L) Average Monthly	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
1-Propanol (mg/L) Daily Maximum	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
Benzene (mg/L) Average Monthly	< 0.005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Benzene (mg/L) Daily Maximum	< 0.005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Benzidine (mg/L) Average Monthly		< 0.01			< 0.01			< 0.01			< 0.01	
Benzidine (mg/L) Daily Maximum		< 0.01			< 0.01			< 0.01			< 0.01	
Benzoic Acid (lbs/day) Average Monthly	< 0.027	< 0.019	< 0.007	< 0.014	< 0.032	< 0.027	< 0.023	< 0.036	< 0.032	< 0.041	< 0.037	< 0.031

Benzoic Acid (lbs/day) Daily Maximum	< 0.027	< 0.019	< 0.007	< 0.014	< 0.032	< 0.027	< 0.023	< 0.036	< 0.032	< 0.041	< 0.037	< 0.031
Benzoic Acid (mg/L) Average Monthly	< 0.019	< 0.019	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.023	< 0.020
Benzoic Acid (mg/L) Daily Maximum	< 0.019	< 0.019	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.023	< 0.020
Butyl Benzyl Phthalate (mg/L) Average Monthly		< 0.01			< 0.01			< 0.01			< 0.010	
Butyl Benzyl Phthalate (mg/L) Daily Maximum		< 0.01			< 0.01			< 0.01			< 0.010	
Bromoform (mg/L) Annual Average	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chlordane (mg/L) Average Monthly		< 0.0002			< 0.00018			< 0.0002			< 0.0002	
Chlordane (mg/L) Daily Maximum		< 0.0002			< 0.00018			< 0.0002			< 0.0002	
2-Butanone (lbs/day) Average Monthly	< 0.007	< 0.005	< 0.002	< 0.004	< 0.008	< 0.007	< 0.006	< 0.009	< 0.008	< 0.010	< 0.008	< 0.008
2-Butanone (lbs/day) Daily Maximum	< 0.007	< 0.005	< 0.002	< 0.004	< 0.008	< 0.007	< 0.006	< 0.009	< 0.008	< 0.010	< 0.008	< 0.008
2-Butanone (mg/L) Average Monthly	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Butanone (mg/L) Daily Maximum	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,1-Trichloroethane (mg/L) Average Monthly		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
1,1,1-Trichloroethane (mg/L) Daily Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
1,1,1-Trichloroethane (mg/L) Instantaneous Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
1,2,3-Trichloro-propane (lbs/day) Average Monthly	< 0.001	< 0.001	< 0.0004	< 0.001	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
1,2,3-Trichloro-propane (lbs/day) Daily Maximum	< 0.001	< 0.001	< 0.0004	< 0.001	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
1,2,3-Trichloro-propane (mg/L) Average Monthly	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

1,2,3-Trichloro-propane (mg/L) Daily Maximum	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1,1-Dichloroethane (mg/L) Average Monthly		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
1,1-Dichloroethane (mg/L) Daily Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
1,1-Dichloroethane (mg/L) Instantaneous Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
1,2-Dichloroethane (mg/L) Average Monthly		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
1,2-Dichloroethane (mg/L) Daily Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
1,2-Dichloroethane (mg/L) Instantaneous Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Chloroform (mg/L) Average Monthly		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Chloroform (mg/L) Daily Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
2-Chloro-naphthalene (mg/L) Average Monthly		< 0.010			< 0.01			< 0.01			< 0.01	
2-Chloro-naphthalene (mg/L) Daily Maximum		< 0.010			< 0.01			< 0.01			< 0.01	
Dieldrin (mg/L) Average Monthly		< 0.00001			< 0.000009			< 0.00001			< 0.00001	
Dieldrin (mg/L) Daily Maximum		< 0.00001			< 0.000009			< 0.00001			< 0.00001	
Diethyl Phthalate (mg/L) Average Monthly		< 0.01			< 0.01			< 0.01			< 0.01	
Diethyl Phthalate (mg/L) Daily Maximum		< 0.01			< 0.01			< 0.01			< 0.01	

Di-n-Butyl Phthalate (mg/L) Average Monthly	< 0.0095	< 0.0095	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.004	< 0.006
Di-n-Butyl Phthalate (mg/L) Daily Maximum	< 0.0095	< 0.0095	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	< 0.010
gamma-BHC (mg/L) Average Monthly		< 0.00001			< 0.000009			< 0.00001			< 0.00001	
gamma-BHC (mg/L) Daily Maximum		< 0.00001			< 0.000009			< 0.00001			< 0.00001	
Heptachlor (mg/L) Average Monthly		< 0.00001			< 0.000009			< 0.00001			< 0.00001	
Heptachlor (mg/L) Daily Maximum		< 0.00001			< 0.000009			< 0.00001			< 0.00001	
Heptachlor Epoxide (mg/L) Average Monthly		< 0.00001			< 0.000009			< 0.00001			< 0.00001	
Heptachlor Epoxide (mg/L) Daily Maximum		< 0.00001			< 0.000009			< 0.00001			< 0.00001	
Isophorone (mg/L) Average Monthly		< 0.005			< 0.005			< 0.005			< 0.0051	
Isophorone (mg/L) Daily Maximum		< 0.005			< 0.005			< 0.005			< 0.0051	
Dibromomethane (lbs/day) Average Monthly	< 0.0007	< 0.0005	< 0.0002	< 0.0003	< 0.0008	< 0.0006	< 0.0006	< 0.001	< 0.001	< 0.001	< 0.0008	< 0.001
Dibromomethane (lbs/day) Daily Maximum	< 0.0007	< 0.0005	< 0.0002	< 0.0003	< 0.0008	< 0.0006	< 0.0006	< 0.001	< 0.001	< 0.001	< 0.0008	< 0.001
Dibromomethane (mg/L) Average Monthly	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Dibromomethane (mg/L) Daily Maximum	< 0.0005	< 0.0005	< 0.0005	< 0.005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Methyl Chloride (mg/L) Average Monthly		< 0.001			< 0.001			< 0.001			< 0.001	
Methyl Chloride (mg/L) Daily Maximum		< 0.001			< 0.001			< 0.001			< 0.001	

Methyl Chloride (mg/L) Instantaneous Maximum		< 0.001			< 0.001			< 0.001			< 0.001	
Methylene Chloride (mg/L) Average Monthly		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Methylene Chloride (mg/L) Daily Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Methylene Chloride (mg/L) Instantaneous Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
p-Cresol (lbs/day) Average Monthly	< 0.014	< 0.010	< 0.004	< 0.007	< 0.016	< 0.014	< 0.012	< 0.018	< 0.016	< 0.021	< 0.018	< 0.016
p-Cresol (lbs/day) Daily Maximum	< 0.014	< 0.010	< 0.004	< 0.007	< 0.016	< 0.014	< 0.012	< 0.018	< 0.016	< 0.021	< 0.018	< 0.016
p-Cresol (mg/L) Average Monthly	< 0.0095	< 0.0095	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	< 0.010
p-Cresol (mg/L) Daily Maximum	< 0.0095	< 0.0095	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	< 0.010
Total Phenolics (lbs/day) Average Monthly	< 0.029	< 0.020	< 0.007	< 0.147	< 0.032	< 0.027	< 0.023	< 0.036	< 0.032	< 0.041	< 0.018	< 0.031
Total Phenolics (lbs/day) Daily Maximum	< 0.029	< 0.020	< 0.007	< 0.147	< 0.032	< 0.027	< 0.023	< 0.036	< 0.032	< 0.041	< 0.032	< 0.031
Total Phenolics (mg/L) Average Monthly	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.011	< 0.020
Total Phenolics (mg/L) Daily Maximum	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
trans-1,2-Dichloroethylene (lbs/day) Average Monthly		< 0.0003			< 0.001			< 0.002			< 0.001	
trans-1,2-Dichloroethylene (lbs/day) Daily Maximum		< 0.0003			< 0.001			< 0.002			< 0.001	
trans-1,2-Dichloroethylene (mg/L) Average Monthly		< 0.001			< 0.001			< 0.001			< 0.001	

trans-1,2-Dichloroethylene (mg/L) Daily Maximum		< 0.001			< 0.001			< 0.001			< 0.001	
Tetrachloro-ethylene (mg/L) Average Monthly		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Tetrachloro-ethylene (mg/L) Daily Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Tetrachloro-ethylene (mg/L) Instantaneous Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Tetrahydrofuran (lbs/day) Average Monthly	0.012	0.007	< 0.002	< 0.003	< 0.008	< 0.006	< 0.006	< 0.009	< 0.010	< 0.010	< 0.008	< 0.007
Tetrahydrofuran (lbs/day) Daily Maximum	0.012	0.007	< 0.002	< 0.003	< 0.008	< 0.006	< 0.006	< 0.009	< 0.010	< 0.010	< 0.008	< 0.007
Tetrahydrofuran (mg/L) Average Monthly	0.0087	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrofuran (mg/L) Daily Maximum	0.0087	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene (mg/L) Average Monthly		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Toluene (mg/L) Daily Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Toluene (mg/L) Instantaneous Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Toxaphene (mg/L) Average Monthly		< 0.0005			< 0.00047			< 0.0005			< 0.0005	
Toxaphene (mg/L) Daily Maximum		< 0.0005			< 0.00047			< 0.0005			< 0.0005	
Trichloroethylene (mg/L) Average Monthly		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Trichloroethylene (mg/L) Daily Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	

Trichloroethylene (mg/L) Instantaneous Maximum		< 0.0005			< 0.0005			< 0.0005			< 0.0005	
Trihalomethanes (mg/L) Annual Average	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Total Xylenes (mg/L) Average Monthly	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Total Xylenes (mg/L) Daily Maximum	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
PCBs (Dry Weather) (pg/L) Daily Maximum		820						590				
Acute WET - Ceriodaphnia Survival (TUa) Daily Maximum		1.16			1			9.19			1	
Chronic WET - Ceriodaphnia Survival (TUc) Daily Maximum		1.50			1.43			23.1			1.5	
Chronic WET - Ceriodaphnia Reproduction (TUc) Daily Maximum		2.82			2.78			54.1			3.12	
Acute WET - Pimephales Survival (TUa) Daily Maximum		1			1			1.85			1	
Chronic WET - Pimephales Survival (TUc) Daily Maximum		1			1			2.50			1	
Chronic WET - Pimephales Growth (TUc) Daily Maximum		1			1.10			2.26			1	

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" (362-0400-001), SOPs and/or BPJ.

Outfall 001, 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	Average Quarterly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Color (Pt-Co Units)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
CBOD5	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
COD	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Nitrate-Nitrite	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Ammonia	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Barium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Chromium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Cyanide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Dissolved Iron	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab

Outfall 001, 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	Average Weekly	Minimum	Average Quarterly	Daily Maximum	Instant. Maximum		
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Lead	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Dissolved Magnesium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Magnesium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Mercury	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Selenium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Silver	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Sulfate	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Tritium (pCi/L)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
1,4-Dioxane	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Chloride	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Bromide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
TOC	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab

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" (362-0400-001), SOPs and/or BPJ.

Outfall 002, 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	Average Quarterly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Color (Pt-Co Units)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
CBOD5	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
COD	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Nitrate-Nitrite	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Ammonia	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Barium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Chromium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Cyanide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Dissolved Iron	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab

Outfall 002, 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	Average Weekly	Minimum	Average Quarterly	Daily Maximum	Instant. Maximum		
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Lead	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Dissolved Magnesium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Magnesium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Mercury	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Selenium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Silver	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Sulfate	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Tritium (pCi/L)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
1,4-Dioxane	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Chloride	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Bromide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
TOC	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab

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" (362-0400-001), 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	Average Quarterly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Color (Pt-Co Units)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
CBOD5	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
COD	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Nitrate-Nitrite	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Ammonia	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Barium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Chromium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Cyanide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Dissolved Iron	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab

Outfall 003, 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	Average Weekly	Minimum	Average Quarterly	Daily Maximum	Instant. Maximum		
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Lead	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Dissolved Magnesium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Magnesium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Mercury	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Selenium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Silver	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Sulfate	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Tritium (pCi/L)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
1,4-Dioxane	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Chloride	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Bromide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
TOC	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab

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" (362-0400-001), 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)					
	Average Monthly	Daily Maximum	Minimum Monthly Average	Average Monthly	Daily Maximum	Instant. Maximum	Minimum (2) Measurement Frequency	Required Sample Type
Flow (MGD)	0.30	XXX	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	4.0 Inst Min	XXX	XXX	XXX	1/week	Grab
TRC	XXX	XXX	0.5 Avg Mo	1.0 Daily Max	XXX	1.2	1/day	Grab
Color (Pt-Co Units)	XXX	XXX	XXX	XXX	XXX	750	1/week	Grab
Temperature (ºF)	XXX	XXX	XXX	XXX	XXX	Report	1/day	I-S
BOD5	75	150	XXX	30	60	75	1/week	24-Hr Composite
BOD5 Industrial Influent	Report	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite
BOD5 Percent Removal	XXX	XXX	95.0	XXX	XXX	XXX	1/week	Calculation
TSS	75	150	XXX	30	60	75	1/week	24-Hr Composite
TSS Percent Removal	XXX	XXX	90.0	XXX	XXX	XXX	1/week	Calculation
TSS Industrial Influent	Report	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	15000	20000	25000	1/week	24-Hr Composite

Outfall 005, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)					
	Average Monthly	Daily Maximum	Minimum Monthly Average	Average Monthly	Daily Maximum	Instant. Maximum	Minimum (2) Measurement Frequency	Required Sample Type
Oil and Grease	37.5	75	15.0 Avg Mo	30.0 Daily Max	XXX	30.0	1/week	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
Nitrate-Nitrite	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Nitrogen	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Ammonia	12.26	25.0	XXX	4.9	10	15	1/week	24-Hr Composite
Total Phosphorus	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Aluminum	0.688	1.376	XXX	0.275	0.550	0.68	1/month	24-Hr Composite
Total Antimony	1.13	2.26	XXX	0.450	0.900	1.13	1/month	24-Hr Composite
Total Arsenic	0.375	0.750	XXX	0.150	0.300	0.375	1/month	24-Hr Composite
Total Barium	0.250	0.500	XXX	0.100	0.200	0.25	1/month	24-Hr Composite
Total Beryllium	0.0125 Avg Qrtly	0.0250	XXX	0.005 Avg Qrtly	0.010	0.0125	1/quarter	24-Hr Composite
Total Boron	Report	Report	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Boron Percent Removal	XXX	XXX	10.0	XXX	XXX	XXX	1/week	Calculation
Total Boron Industrial Influent	Report	Report	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Cadmium	0.0125	0.0250	XXX	0.005	0.010	0.0125	1/month	24-Hr Composite
Hexavalent Chromium	XXX	XXX	XXX	Report	Report	XXX	1/month	24-Hr Composite
Total Chromium	0.375	0.750	XXX	0.150	0.300	0.375	1/month	24-Hr Composite

Outfall 005, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)					
	Average Monthly	Daily Maximum	Minimum Monthly Average	Average Monthly	Daily Maximum	Instant. Maximum	Minimum (2) Measurement Frequency	Required Sample Type
Total Cobalt	0.125 Avg Qrtly	0.250	XXX	0.050 Avg Qrtly	0.100	0.125	1/quarter	24-Hr Composite
Total Copper	0.125	0.250	XXX	0.050	0.100	0.125	1/month	24-Hr Composite
Total Cyanide	0.187	0.375	XXX	0.075	0.150	0.188	1/month	24-Hr Composite
Total Iron	6.25	12.50	XXX	2.5	5.0	6.3	1/month	24-Hr Composite
Total Lead	0.090	0.180	XXX	0.036	0.072	0.09	1/month	24-Hr Composite
Total Manganese	2.5 Avg Qrtly	5.0	XXX	1.0 Avg Qrtly	2.0	2.5	1/quarter	24-Hr Composite
Total Mercury	0.001	0.002	XXX	0.0004	0.0008	0.001	1/month	24-Hr Composite
Total Nickel	0.500	1.0	XXX	0.2	0.4	0.5	1/month	24-Hr Composite
Total Silver	0.025	0.050	XXX	0.010	0.020	0.025	1/month	24-Hr Composite
Total Thallium	0.085	0.170	XXX	0.100	0.200	0.25	1/month	24-Hr Composite
Total Tritium (pCi/L)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Calculation
Total Vanadium	0.250	0.500	XXX	0.100	0.200	0.25	1/month	24-Hr Composite
Total Zinc	0.275	0.500	XXX	0.110	0.200	0.25	1/month	24-Hr Composite
4,4-DDD	0.00012	0.00012	XXX	0.00005	0.00005	0.00005	1/month	24-Hr Composite
4,4-DDT	0.00012	0.00012	XXX	0.00005	0.00005	0.00005	1/month	24-Hr Composite
4,4-DDE	0.00012	0.00012	XXX	0.00005	0.00005	0.00005	1/month	24-Hr Composite
2-Hexanone	0.038	0.075	XXX	0.015	0.030	0.037	1/month	24-Hr Composite
4-Methyl-2-pentanone	0.038	0.075	XXX	0.015	0.030	0.037	1/month	24-Hr Composite

Outfall 005, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)					
	Average Monthly	Daily Maximum	Minimum Monthly Average	Average Monthly	Daily Maximum	Instant. Maximum	Minimum (2) Measurement Frequency	Required Sample Type
Isopropanol	1.35	2.7	XXX	0.540	1.080	1.35	1/month	24-Hr Composite
Pentachloro-phenol	XXX	XXX	XXX	Report	Report	XXX	1/month	24-Hr Composite
Phenol	0.038	0.065	XXX	0.015	0.026	0.037	1/month	24-Hr Composite
Acetone	0.273	0.546	XXX	0.11	0.218	0.273	1/month	Grab
a-Terpineol	0.040	0.082	XXX	0.016	0.033	0.04	1/month	24-Hr Composite
Chlorobenzene	XXX	XXX	XXX	0.050	0.100	0.125	1/month	Grab
1-Propanol	1.376	2.752	XXX	0.550	1.100	1.35	1/month	24-Hr Composite
Benzene	XXX	XXX	XXX	0.036	0.072	0.09	1/month	Grab
Benzidine	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
Benzoic Acid	0.177	0.300	XXX	0.071	0.120	0.15	1/month	24-Hr Composite
Butyl Benzyl Phthalate	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
Bromoform	XXX	XXX	XXX	Report Avg Qrtly	XXX	XXX	1/quarter	Grab
Chlordane	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
2-Butanone	0.525	1.050	XXX	0.210	0.420	0.525	1/month	Grab
1,1,1-Trichloroethane	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	Grab
1,2,3-Trichloro-propane	0.250	0.500	XXX	0.100	0.200	0.25	1/month	Grab
1,1-Dichloroethane	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	Grab
1,2-Dichloroethane	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	Grab

Outfall 005 , Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)					
	Average Monthly	Daily Maximum	Minimum Monthly Average	Average Monthly	Daily Maximum	Instant. Maximum	Minimum (2) Measurement Frequency	Required Sample Type
Chloroform	XXX	XXX	XXX	0.010 Avg Qrtly	0.020	0.025	1/quarter	Grab
2-Chloro-naphthalene	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
Dieldrin	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
Diethyl Phthalate	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
Di-n-Butyl Phthalate	XXX	XXX	XXX	0.830	1.660	2.08	1/month	24-Hr Composite
gamma-BHC	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
Heptachlor	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
Heptachlor Epoxide	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
Isophorone	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
Dibromomethane	0.025	0.050	XXX	0.010	0.020	0.025	1/month	Grab
Methyl Chloride	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	Grab
Methylene Chloride	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	Grab
p-Cresol	0.035	0.063	XXX	0.014	0.025	0.035	1/month	24-Hr Composite
Total Phenolics	0.675	1.351	XXX	0.270	0.540	0.68	1/month	24-Hr Composite
trans-1,2-Dichloroethylene	0.075 Avg Qrtly	0.150	XXX	0.030 Avg Qrtly	0.060	0.075	1/quarter	Grab
Tetrachloro-ethylene	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	Grab
Tetrahydrofuran	0.063	0.125	XXX	0.025	0.050	0.063	1/month	Grab
Toluene	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	Grab

Outfall 005, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)					
	Average Monthly	Daily Maximum	Minimum Monthly Average	Average Monthly	Daily Maximum	Instant. Maximum	Minimum (2) Measurement Frequency	Required Sample Type
Toxaphene	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	24-Hr Composite
Trichloroethylene	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	Grab
Trihalomethanes	XXX	XXX	XXX	0.027	XXX	0.324	2/month	24-Hr Composite
Total Xylenes	XXX	XXX	XXX	0.010	0.020	0.025	1/month	Grab
PCBs (Dry Weather) (pg/L)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	24-Hr Composite
Gross Alpha (pCi/L)	XXX	XXX	XXX	Report	XXX	XXX	1/month	24-Hr Composite
Acute WET - Ceriodaphnia Survival (TUa)	XXX	XXX	XXX	XXX	10.2	XXX	1/quarter	24-Hr Composite
Chronic WET - Ceriodaphnia Survival (TUc)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	24-Hr Composite
Chronic WET - Ceriodaphnia Reproduction (TUc)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	24-Hr Composite
Chronic WET - Pimephales Survival (TUc)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	24-Hr Composite
Chronic WET - Pimephales Growth (TUc)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	24-Hr Composite

Proposed Effluent Limitations and Monitoring Requirements

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Outfall 006, 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	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
CBOD5	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Dissolved Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Ammonia	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Arsenic	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Barium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cadmium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Chromium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cyanide	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Magnesium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Magnesium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Outfall 006, 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	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Mercury	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Selenium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Silver	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TOC	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Proposed Effluent Limitations and Monitoring Requirements

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Outfall 007, 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	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
CBOD5	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Dissolved Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Ammonia	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Arsenic	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Barium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cadmium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Chromium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cyanide	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Magnesium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Magnesium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Outfall 007, 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	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Mercury	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Selenium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Silver	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TOC	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

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" (362-0400-001), SOPs and/or BPJ.

Outfall 009, 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	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
CBOD5	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Dissolved Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Ammonia	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Arsenic	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Barium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cadmium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Chromium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cyanide	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Magnesium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Magnesium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Outfall 009, 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	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Mercury	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Selenium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Silver	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TOC	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab