pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

kSoutheast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0057967**
Facility Type	**Industrial**	APS ID	**1024579**
Major / Minor	**Minor**	Authorization ID	**1329356**

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

Applicant and Facility Information

Applicant Name	**Campania International Inc.**	Facility Name	**Campania International IWTP**
Applicant Address	2452 Quakertown Road	Facility Address	2452 Quakertown Road
	Pennsburg, PA 18073		Pennsburg, PA 18073
Applicant Contact	Glenn Appel	Facility Contact	Kenneth Fulford
Applicant Phone	(215) 541-4627	Facility Phone	(610) 216-0150
Client ID	202852	Site ID	525013
SIC Code	3272,3423	Municipality	Upper Hanover Township
SIC Description	Manufacturing - Concrete Products, Nec,Manufacturing - Hand And Edge Tools, Nec	County	Montgomery
Date Application Received	September 23, 2020	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: Permit Renewal.

Summary of Review

The permittee has submitted application for renewal of NPDES permit to discharge 0.02 MGD of treated wastewater from Campania International IWTP located at 2452 Quakertown Road, Pennsburg, PA, 18073, to Macoby Creek Branch. This is an existing facility located in Upper Hanover Township, Montgomery County.

The wastewater treatment plant consists of aerated influent equalization tanks, bar screen, sequencing batch reactor (SBR), effluent equalization, post aeration, flow measurement weir, and UV disinfection.

The property has changed ownership and industrial operations several times over the past several years. The previous owner was Hershey Foods. The treatment plant was left inactive for several years by Hershey Foods before the property ownership was transferred to RAF Pennsburg LP. The ownership was transferred from RAF Pennsburg LP to Campania International, Inc. in 2019. There are two tenants within the building: Campania International, and U.S. Tape. Campania International manufactures and distributes cast stone, polyethylene, and terracotta garden décor, including planters, bird baths, benches, fountains, and more. U.S. Tape manufactures high-quality contractor-grade tape measures and striking tools. Campania International uses various color pigments in their manufacturing operation for final surface treatment on their products.

U.S. Tape falls under 40 CFR 433 Subpart A. However, at present only floor cleaning (soap) and sanitary wastewater compose the influent waste stream. All waste products are drummed and hauled off-site. Therefore, ELG limits do not apply to this facility. The facility falls under Concrete Products (SIC 3272) and Hand and Edge Tools (SIC 3423). Therefore, industrial stormwater monitoring conditions are included in this permit for Outfalls 002 thru 005.

The Q7-10 low-flow design stream flow was updated using USGS StreamStats Version 3.0. Previous Fact Sheets used a Q7-10 of 0.049 CFS based on an outdated analysis of a USGS stream gage located on Tohickon Creek.

Approve	Deny	Signatures	Date
X		Ketan Thaker Ketan Thaker / Project Manager	10/5/2021
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	10/5/2021

Summary of Review

The treatment plant treats primarily sanitary wastewater. Therefore, an equivalent to Secondary Treatment standard for CBOD5 is included in the permit. The existing limit was determined to be protective of the receiving stream based on previous WQM modeling.

The existing Total Suspended Solids (TSS) limit is 20 mg/l. The renewed permit will keep the existing limit.

The existing Dissolved Oxygen limit is 5.0 mg/l. The limit is included in order to protect the minimum oxygen standard for TSF. The existing limit was determined to be protective of the receiving stream based on previous WQM modeling.

The existing limit for NH3-N is 2.0 mg/l. The existing limit was determined to be protective of the receiving stream based on previous WQM modeling. The discharge from the treatment plant is generally in compliance with effluent limits. Effluent limits for all the parameters will remain the same for this permit renewal.

The existing permit includes a monitoring requirement for the following metals: cadmium, chromium, chromium III, chromium VI, copper, nickel, and manganese. The list of metals included in 40 CFR 433 Subpart A includes cadmium, chromium, copper, lead, nickel silver, zinc, and cyanide. It is recommended to monitor only for the ELG metals, similar to what is normally required for industrial stormwater permits. Monitoring for ELG metals is recommended because these metals may show up in the floor wash water due to dust and spills. Monitoring requirements for these metals are revised from monthly to semi-annual for Outfall 001 as effluent data show lower concentration for metals.

Monitoring for Aluminum and Zinc are added for all Stormwater Outfalls based on Appendix N and U of General Permit PAG-03. We have also added Benchmark values for pH and Total Suspended Solids for stormwater outfalls.

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)	.02
Latitude	40Âº 24' 33.03"	Longitude	-75Âº 29' 22.69"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		

Receiving Waters	Macoby Creek Branch (TSF, MF)	Stream Code	01431
NHD Com ID	25981734	RMI	0.0200
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	3-E	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

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

Nearest Downstream Public Water Supply Intake			
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 24' 12.07"	Longitude	-75Âº 29' 28.68"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		

Receiving Waters	Macoby Creek Branch (TSF, MF)	Stream Code	01431
NHD Com ID	25981750	RMI	0.0600
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	3-E	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

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

Nearest Downstream Public Water Supply Intake			
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 24' 32.70"	Longitude	-75Âº 29' 22.85"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		

Receiving Waters	Macoby Creek Branch (TSF, MF)	Stream Code	
NHD Com ID	25981734	RMI	0.0100
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	3-E	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

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

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

Discharge, Receiving Waters and Water Supply Information

Outfall No.	004	Design Flow (MGD)	0
Latitude	40Âº 24' 32.85"	Longitude	-75Âº 29' 22.77"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Macoby Creek Branch (TSF, MF)	Stream Code	
NHD Com ID	25981734	RMI	0.0200
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	3-E	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

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

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

Discharge, Receiving Waters and Water Supply Information

Outfall No.	005	Design Flow (MGD)	0
Latitude	40Âº 24' 34.16"	Longitude	-75Âº 29' 22.74"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Macoby Creek Branch (TSF, MF)	Stream Code	
NHD Com ID	25981734	RMI	0.0400
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	3-E	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

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

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

Treatment Facility Summary				
Treatment Facility Name: Campania International IWTP				
Waste Type	**Degree of Treatment**	**Process Type**	**Disinfection**	**Avg Annual Flow (MGD)**
Industrial	Biological (Industrial Waste)	Activated Sludge	Ultraviolet	0.02
Hydraulic Capacity (MGD)	**Organic Capacity (lbs/day)**	**Load Status**	**Biosolids Treatment**	**Biosolids Use/Disposal**
0.02			Aerobic Digestion	Other WWTP

Compliance History

DMR Data for Outfall 001 (from July 1, 2020 to June 30, 2021)

Parameter	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20
Flow (MGD) Average Monthly	0.00217	0.0018	0.00206	0.00254	0.00454	0.00201	0.00398	0.00156	0.00143	0.0009	0.00368	0.00368
Flow (MGD) Daily Maximum	0.01280	0.0108	0.0192	0.01470	0.0186	0.01790	0.01490	0.02530	0.01230	0.0135	0.02760	0.02760
pH (S.U.) Instantaneous Minimum	6.71	6.51	6.73	6.88	6.86	6.83	6.89	6.28	6.59	6.81	6.51	6.51
pH (S.U.) Instantaneous Maximum	6.88	6.61	6.84	6.98	6.93	7.22	6.91	6.51	6.63	6.87	6.82	6.82
DO (mg/L) Instantaneous Minimum	6.7	7.0	8.1	7.4	9.7	7.3	7.4	7.7	6.8	6.7	6.9	6.9
Color (Pt-Co Units) Instantaneous Maximum	24	7	7	7	7	8	20	15	15	15	13	10
CBOD5 (lbs/day) Average Monthly	0.19	0.16	0.29	0.22	0.25	0.26	0.19	0.47	0.21	0.23	0.27	0.27
CBOD5 (lbs/day) Daily Maximum	0.21	0.18	0.32	0.25	0.25	0.30	0.25	0.59	0.21	0.23	0.29	0.29
CBOD5 (mg/L) Average Monthly	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.0	2.0	2.0	2.0
CBOD5 (mg/L) Daily Maximum	2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.8	2.0	2.0	2.0	2.0
TSS (lbs/day) Average Monthly	0.33	0.32	0.59	0.45	0.50	0.52	0.37	0.78	0.41	0.45	0.53	0.53
TSS (lbs/day) Daily Maximum	0.41	0.36	0.63	0.49	0.50	0.60	0.50	0.84	0.41	0.45	0.58	0.58
TSS (mg/L) Average Monthly	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
TSS (mg/L) Daily Maximum	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Total Dissolved Solids (lbs/day) Average Monthly	67	65	101	71	51	61	63	146	63	57	71	71
Total Dissolved Solids (lbs/day) Daily Maximum	80	80	110	80	52	69	82	152	63	57	79	79

Total Dissolved Solids (mg/L) Average Monthly	827	793	684	636	409	473	690	749	611	502	536	536
Total Dissolved Solids (mg/L) Daily Maximum	870	884	692	654	418	486	718	777	614	510	532	542
Oil and Grease (mg/L) Average Monthly	5.9	< 4.9	5.0	< 5.0	< 4.9	< 5.0	< 4.9	< 4.9	< 5.1	5.9	< 4.9	< 5.0
Oil and Grease (mg/L) Daily Maximum	6.7	< 4.9	5.0	< 5.0	< 5.0	< 5.0	< 4.9	< 4.9	< 5.2	8.9	< 4.9	< 5.0
Fecal Coliform (No./100 ml) Geometric Mean	1	1	1	< 1	1	1	1	1	1	17	2	2
Fecal Coliform (No./100 ml) Instantaneous Maximum	1	1	1	< 1	1	1	1	1	1	277	3	3
UV Transmittance (%) Minimum	100	100	100	100	100	100	100	100	100	100	100	100
Ammonia (lbs/day) Average Monthly	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01
Ammonia (lbs/day) Daily Maximum	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01
Ammonia (mg/L) Average Monthly	0.1	0.10	0.10	0.1	0.10	0.13	0.1	0.10	0.10	0.10	0.1	0.1
Ammonia (mg/L) Daily Maximum	0.1	0.10	0.10	0.01	0.10	0.15	0.1	0.10	0.10	0.10	0.1	0.1
Total Phosphorus (lbs/day) Average Monthly	0.07	0.06	0.06	0.05	0.05	0.05	0.13	0.34	0.09	0.09	0.09	0.09
Total Phosphorus (lbs/day) Daily Maximum	0.09	0.08	0.06	0.05	0.05	0.05	0.18	0.70	0.10	0.09	0.09	0.09
Total Phosphorus (mg/L) Average Monthly	0.91	0.73	0.42	0.42	0.36	0.39	1.35	1.75	0.91	0.76	0.66	0.66
Total Phosphorus (mg/L) Daily Maximum	0.93	0.91	0.42	0.48	0.36	0.43	1.44	1.75	0.93	0.76	0.72	0.72
Total Chromium (III) (mg/L) Average Monthly	< 0.0012	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Hexavalent Chromium (mg/L) Average Monthly	< 0.0012	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Total Chromium (mg/L) Average Monthly	0.0011	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001
Total Copper (mg/L) Average Monthly	0.017	0.014	0.013	0.011	0.009	0.009	0.017	0.017	0.018	0.012	0.012	0.012
Total Cyanide (mg/L) Average Monthly	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.011	< 0.005	< 0.005
Total Lead (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
Total Nickel (mg/L) Average Monthly	0.0074	0.007	0.007	0.005	0.003	0.003	0.007	0.011	0.006	0.004	0.006	0.006
Total Silver (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
Total Zinc (mg/L) Average Monthly	0.022	0.048	0.06	0.043	0.025	0.022	0.026	0.092	0.022	< 0.01	0.023	0.023

DMR Data for Outfall 002 (from July 1, 2020 to June 30, 2021)

Parameter	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20
pH (S.U.) Daily Maximum							7.33					
CBOD5 (mg/L) Daily Maximum							< 2.0					
COD (mg/L) Daily Maximum							< 5.0					
TSS (mg/L) Daily Maximum							< 4.0					
Oil and Grease (mg/L) Daily Maximum							< 4.9					
TKN (mg/L) Daily Maximum							< 0.50					
Total Phosphorus (mg/L) Daily Maximum							< 0.10					
Total Iron (mg/L) Daily Maximum							0.147					

DMR Data for Outfall 003 (from July 1, 2020 to June 30, 2021)

Parameter	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20
pH (S.U.) Daily Maximum							8.81					
CBOD5 (mg/L) Daily Maximum							< 2.0					

COD (mg/L) Daily Maximum							17.5					
TSS (mg/L) Daily Maximum							5.5					
Oil and Grease (mg/L) Daily Maximum							< 4.9					
TKN (mg/L) Daily Maximum							0.66					
Total Phosphorus (mg/L) Daily Maximum							< 0.10					
Total Iron (mg/L) Daily Maximum							0.411					

DMR Data for Outfall 004 (from July 1, 2020 to June 30, 2021)

Parameter	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20
pH (S.U.) Daily Maximum							8.15					
CBOD5 (mg/L) Daily Maximum							< 2.0					
COD (mg/L) Daily Maximum							< 5.0					
TSS (mg/L) Daily Maximum							< 4.0					
Oil and Grease (mg/L) Daily Maximum							< 4.9					
TKN (mg/L) Daily Maximum							0.99					
Total Phosphorus (mg/L) Daily Maximum							0.27					
Total Iron (mg/L) Daily Maximum							0.120					

DMR Data for Outfall 005 (from July 1, 2020 to June 30, 2021)

Parameter	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20
pH (S.U.) Daily Maximum							8.52					
CBOD5 (mg/L) Daily Maximum							< 2.0					
COD (mg/L) Daily Maximum							< 5.0					

TSS (mg/L) Daily Maximum							< 4.0					
Oil and Grease (mg/L) Daily Maximum							< 4.9					
TKN (mg/L) Daily Maximum							< 0.50					
Total Phosphorus (mg/L) Daily Maximum							0.10					
Total Iron (mg/L) Daily Maximum							< 0.100					

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	Daily Maximum	Daily Minimum	Semi-Annual Average	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	2/month	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	2/month	Grab
Color (Pt-Co Units)	XXX	XXX	XXX	XXX	XXX	100	2/month	24-Hr Composite
CBOD5	4.0	8.0	XXX	25.0 Avg Mo	50.0	50	2/month	24-Hr Composite
TSS	3.5	7.0	XXX	20.0 Avg Mo	40.0	40	2/month	24-Hr Composite
Total Dissolved Solids	167	334	XXX	1000 Avg Mo	2000	2500	2/month	24-Hr Composite
Oil and Grease	XXX	XXX	XXX	15 Avg Mo	30	30	2/month	24-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200.0 Geo Mean	XXX	1000.0	2/month	Grab
UV Transmittance (%)	XXX	XXX	Report	XXX	XXX	XXX	2/month	Measured
Ammonia	0.35	0.70	XXX	2.0 Avg Mo	4.0	5	2/month	24-Hr Composite
Total Phosphorus	0.35	0.70	XXX	2.0 Avg Mo	4.0	5	2/month	24-Hr Composite

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	Daily Maximum	Daily Minimum	Semi-Annual Average	Daily Maximum	Instant. Maximum		
Total Chromium (III)	XXX	XXX	XXX	Report	Report	XXX	1/6 months	24-Hr Composite
Hexavalent Chromium	XXX	XXX	XXX	Report	Report	XXX	1/6 months	24-Hr Composite
Total Chromium	XXX	XXX	XXX	Report	Report	XXX	1/6 months	24-Hr Composite
Total Copper	XXX	XXX	XXX	Report	Report	XXX	1/6 months	24-Hr Composite
Total Cyanide	XXX	XXX	XXX	Report	Report	XXX	1/6 months	24-Hr Composite
Total Lead	XXX	XXX	XXX	Report	Report	XXX	1/6 months	24-Hr Composite
Total Nickel	XXX	XXX	XXX	Report	Report	XXX	1/6 months	24-Hr Composite
Total Silver	XXX	XXX	XXX	Report	Report	XXX	1/6 months	24-Hr Composite
Total Zinc	XXX	XXX	XXX	Report	Report	XXX	1/6 months	24-Hr Composite

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 Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
CBOD5	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TKN	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	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 Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
CBOD5	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TKN	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	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 004, 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/year	Grab
CBOD5	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TKN	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	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)				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/year	Grab
CBOD5	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TKN	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab