

Application Type Renewal
Facility Type Sewage
Major / Minor Major

**NPDES PERMIT FACT SHEET
ADDENDUM No. 1**

Application No. PA0234028
APS ID 1110009
Authorization ID 1477840

Applicant and Facility Information

Applicant Name	<u>University Area Joint Authority</u>	Facility Name	<u>Advanced Water Treatment Building</u>
Applicant Address	<u>1576 Spring Valley Road</u> <u>State College, PA 16801-8401</u>	Facility Address	<u>1576 Spring Valley Road</u> <u>State College, PA 16801-8401</u>
Applicant Contact	<u>Cory Miller</u>	Facility Contact	<u>Andy Breon</u>
Applicant Phone	<u>(814) 238-5361</u>	Facility Phone	<u>(814) 238-5361</u>
Client ID	<u>253141</u>	Site ID	<u>745180</u>
SIC Code	<u>4952</u>	Municipality	<u>College Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Centre</u>
Date Published in PA Bulletin	<u>March 22, 2025</u>	EPA Waived?	<u>No</u>
Comment Period End Date	<u>May 6, 2025</u>	If No, Reason	<u>Major Facility</u>
Purpose of Application	<u>Renewal of an existing NPDES permit for the discharge of Class A reclaimed water.</u>		

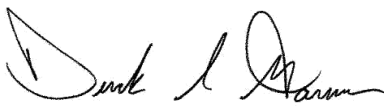
Internal Review and Recommendations

COMMENTS / RESPONSES

Comments were received from UAJA on May 5, 2025 via an undated letter. The summarized comments and DEP's responses are as follows:

- Comment:** The permit includes daily reporting requirements for TRC grab samples at Outfalls 001 and 002. Collection of daily samples at these outfalls locations is labor intensive and a safety concern in adverse weather conditions. UAJA propose IMP 201 as an alternative source of TRC monitoring. IMP 201 has approximately 1.1 miles of distribution line prior to Outfalls 001 and 002 and with daily TRC monitoring utilizes a CL17sc. Once the dechlorination system at the Gordon D. Kissinger Meadow is operable, UAJA proposes an additional monitoring point immediately downstream of the dechlorination system with an additional CL17sc or equivalent.

Response: DEP has no objections to moving the proposed TRC sampling point from Outfalls 001 and 002 to the upstream IMP 201. Sampling at the upstream internal monitoring point is less burdensome and a safer option for UAJA while still being able to demonstrate compliance with proposed effluent limits. DEP will establish a condition in Part C of the permit so that once a dechlorination system is installed at the Gordon D. Kissinger Meadow, UAJA will be required to amend the NPDES permit to include the additional monitoring point.
- Comment:** The draft permit includes weekly collection of samples at Outfall 002 and analysis for the parameters cadmium, copper, silver, and acrylamide. While less labor intensive, the safety concern of sample collection at this location persists. UAJA proposes IMP 101, AWT Building, as an alternative location for sample collection.

Approve	Return	Deny	Signatures	Date
X			 Derek S. Garner / Project Manager	December 23, 2025
X			 Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	December 30, 2025

Internal Review and Recommendations

Currently, UAJA monitors parameters of concern at IMP 101 with the presumption that water quality at the AWT Building is the same throughout the distribution line. To quantify the relationship, samples were collected April 23, 24, and 25 at both IMP 101 and Outfall 002. Final results are anticipated to be received by May 6 and will be forwarded for the Department's consideration in this request. Furthermore, our engineer has reviewed the pipe and fitting materials used in the beneficial reuse system and has found no source for these four chemicals, therefore it is very unlikely that the result at Outfall 002 would be different than IMP 101.

Response: Generally, DEP assigns water quality-based effluent limits ("WQBELs") at the point of the discharge. However, in this situation where safety concerns exist and a representative sample can be obtained at an upstream internal monitoring point, DEP does not object to establishing the WQBELs at IMP 101.

3. **Comment:** The tests for cadmium, copper, silver, and acrylamide are costly, with acrylamide test alone being \$320 per sample. Sampling once per week for acrylamide will cost \$16,640 per year, with the total for cadmium, copper, silver, and acrylamide being \$20,000 per year. Would it be possible to fade these testing requirements over time, for example, once per six months, and if a significant portion are non-detect, fade the frequency to once per month, and then eventually once per quarter? Because UAJA uses reverse osmosis for treating the beneficial reuse water, it is almost impossible for these chemicals to pass the RO membranes, unless the RO membranes have failed. UAJA has in place several layers of detection for determining if there are failed membranes.

Response: A review of the Toxics Management Spreadsheet input concentrations discovered that the sample result for acrylonitrile was inadvertently entered for acrylamide. This correction results in the elimination of acrylamide as a parameter of concern, and a limit or monitoring requirement is no longer recommended. Additionally, cadmium's average monthly concentration limit has been corrected from 0.72 mg/l to 0.73 mg/l. The proposed monitoring frequencies for cadmium, copper, and silver remain unchanged.

Comments were received from the Pennsylvania Fish and Boat Commission ("PFBC") via letter dated April 17, 2025. The comments outline the PFBC's continued concerns with thermal impacts on Slab Cabin Run.

1. **Comment:** With documented water temperatures well above Chapter 93 maxima of 66°F, the discharges to Slab Cabin Run create a constant elevated thermal regime that is not natural. The higher temperatures >68°F are especially concerning during the summer months for coldwater species such as wild trout and are a source of continuous thermal stress. To ensure Chapter 93 temperature criteria are being met and protective of the HQ-CWF existing use, effluent limits for temperature should be required for the Slab Cabin Run discharges at Outfall 001 and 002, as well as temperature monitoring in Slab Cabin Run.

Response: Temperature data collected upstream and downstream of the UAJA discharges as part of the Slab Cabin Run Water Quality Standards Review does indicate downstream temperatures are warmer at times. However, a semi-quantitative fish survey did not support the continued thermal modification impairment and supported a delisting of the cause. Based on the collected data and the delisting of the thermal modification impairment cause, DEP has chosen to no longer require temperature monitoring requirements in the permit.

An email dated April 8, 2025 from U.S. EPA states the agency has no comments.

An internal review of the draft permit did not yield any comments.

RECOMMENDATIONS

The following changes have been made to the draft permit:

1. The TRC monitoring location for Outfalls 001 and 002 will be moved to IMP 201 primarily based on safety concerns associated with daily sampling during adverse weather events. A compliance schedule will be established in Part C of the permit to memorialize UAJA's commitment to installing an additional internal monitoring point to demonstrate compliance with dechlorination requirements.
2. The monitoring location for cadmium, copper, and silver will be moved from Outfall 002 to IMP 101. As with TRC, the primary concern is the safety of staff collecting samples during adverse weather events.

Internal Review and Recommendations

- 3. Corrected input concentrations in the Toxics Management Spreadsheet eliminates acrylamide as a parameter of concern. Consequently, no limits or monitoring requirements are recommended.

Based on these proposed changes, DEP recommends the permit is redrafted and published in the PA Bulletin for an additional thirty day commenting period.

Discharge Information

Instructions

Discharge

Stream

Facility: **UAJA AWT Building**

NPDES Permit No.: **PA0234028**

Outfall No.: **007**

Evaluation Type **Major Sewage / Industrial Waste**

Wastewater Description: **Class A Reclaimed Water**

Discharge Characteristics								
Design Flow (MGD)*	Hardness (mg/l)*	pH (SU)*	Partial Mix Factors (PMFs)				Complete Mix Times (min)	
			AFC	CFC	THH	CRL	Q ₇₋₁₀	Q _h
1.05	24	7						

	Discharge Pollutant	Units	Max Discharge Conc	0 if left blank		0.5 if left blank		0 if left blank			1 if left blank	
				Trib Conc	Stream Conc	Daily CV	Hourly CV	Stream CV	Fate Coeff	FOS	Criteria Mod	Chem Transl
Group 1	Total Dissolved Solids (PWS)	mg/L	88									
	Chloride (PWS)	mg/L	10.2									
	Bromide	mg/L	< 0.8									
	Sulfate (PWS)	mg/L	11.5									
	Fluoride (PWS)	mg/L										
Group 2	Total Aluminum	µg/L	< 80									
	Total Antimony	µg/L	< 2									
	Total Arsenic	µg/L	< 3									
	Total Barium	µg/L	< 1.6									
	Total Beryllium	µg/L	< 1									
	Total Boron	µg/L	44									
	Total Cadmium	µg/L	< 1									
	Total Chromium (III)	µg/L	2.8									
	Hexavalent Chromium	µg/L	0.24									
	Total Cobalt	µg/L	< 2.5									
	Total Copper	µg/L	< 8.3									
	Free Cyanide	µg/L	1.65									
	Total Cyanide	µg/L	7.1									
	Dissolved Iron	µg/L	< 20									
	Total Iron	µg/L	60									
	Total Lead	µg/L	< 1									
	Total Manganese	µg/L	1.9									
	Total Mercury	µg/L	< 0.2									
	Total Nickel	µg/L	4									
	Total Phenols (Phenolics) (PWS)	µg/L	< 8									
	Total Selenium	µg/L	< 5									
	Total Silver	µg/L	< 2									
	Total Thallium	µg/L	< 1									
	Total Zinc	µg/L	5.2									
	Total Molybdenum	µg/L	< 1									
	Acrolein	µg/L	< 1.3									
	Acrylamide	µg/L	<									
	Acrylonitrile	µg/L	< 5									
	Benzene	µg/L	< 0.5									
	Bromoform	µg/L	< 0.5									

Group 3	Carbon Tetrachloride	µg/L	<	1								
	Chlorobenzene	µg/L	<	0.5								
	Chlorodibromomethane	µg/L	<	0.5								
	Chloroethane	µg/L	<	1								
	2-Chloroethyl Vinyl Ether	µg/L	<	5								
	Chloroform	µg/L	<	0.5								
	Dichlorobromomethane	µg/L	<	0.5								
	1,1-Dichloroethane	µg/L	<	0.5								
	1,2-Dichloroethane	µg/L	<	0.5								
	1,1-Dichloroethylene	µg/L	<	0.5								
	1,2-Dichloropropane	µg/L	<	0.5								
	1,3-Dichloropropylene	µg/L	<	1								
	1,4-Dioxane	µg/L	<	0.34								
	Ethylbenzene	µg/L	<	0.5								
	Methyl Bromide	µg/L	<	0.42								
	Methyl Chloride	µg/L	<	0.33								
	Methylene Chloride	µg/L	<	0.5								
	1,1,2,2-Tetrachloroethane	µg/L	<	0.5								
	Tetrachloroethylene	µg/L	<	0.5								
	Toluene	µg/L	<	0.5								
	1,2-trans-Dichloroethylene	µg/L	<	0.5								
	1,1,1-Trichloroethane	µg/L	<	0.5								
	1,1,2-Trichloroethane	µg/L	<	0.5								
	Trichloroethylene	µg/L	<	0.5								
	Vinyl Chloride	µg/L	<	0.5								
Group 4	2-Chlorophenol	µg/L	<	3								
	2,4-Dichlorophenol	µg/L	<	3								
	2,4-Dimethylphenol	µg/L	<	3								
	4,6-Dinitro-o-Cresol	µg/L	<	6								
	2,4-Dinitrophenol	µg/L	<	6								
	2-Nitrophenol	µg/L	<	3								
	4-Nitrophenol	µg/L	<	3								
	p-Chloro-m-Cresol	µg/L	<	3								
	Pentachlorophenol	µg/L	<	6								
	Phenol	µg/L	<	8								
	2,4,6-Trichlorophenol	µg/L	<	3								
Group 5	Acenaphthene	µg/L	<	1.5								
	Acenaphthylene	µg/L	<	1.5								
	Anthracene	µg/L	<	1.5								
	Benzidine	µg/L	<	4								
	Benzo(a)Anthracene	µg/L	<	1.5								
	Benzo(a)Pyrene	µg/L	<	1.5								
	3,4-Benzofluoranthene	µg/L	<	1.5								
	Benzo(ghi)Perylene	µg/L	<	1.5								
	Benzo(k)Fluoranthene	µg/L	<	1.5								
	Bis(2-Chloroethoxy)Methane	µg/L	<	3								
	Bis(2-Chloroethyl)Ether	µg/L	<	3								
	Bis(2-Chloroisopropyl)Ether	µg/L	<	3								
	Bis(2-Ethylhexyl)Phthalate	µg/L	<	3								
	4-Bromophenyl Phenyl Ether	µg/L	<	3								
	Butyl Benzyl Phthalate	µg/L	<	3								
	2-Chloronaphthalene	µg/L	<	3								
	4-Chlorophenyl Phenyl Ether	µg/L	<	3								
	Chrysene	µg/L	<	1.5								
	Dibenzo(a,h)Anthracene	µg/L	<	1.5								
	1,2-Dichlorobenzene	µg/L	<	0.5								
	1,3-Dichlorobenzene	µg/L	<	0.43								
	1,4-Dichlorobenzene	µg/L	<	0.5								
	3,3-Dichlorobenzidine	µg/L	<	3								
	Diethyl Phthalate	µg/L	<	3								
	Dimethyl Phthalate	µg/L	<	3								
Di-n-Butyl Phthalate	µg/L	<	3									
2,4-Dinitrotoluene	µg/L	<	3									

[illegible]

Stream / Surface Water Information

UAJA AWT Building, NPDES Permit No. PA0234028, Outfall 007

Instructions

Discharge

Stream

Receiving Surface Water Name: **UNT to Spring Creek**

No. Reaches to Model: **1**

- ☒ Statewide Criteria
☐ Great Lakes Criteria
☐ ORSANCO Criteria

Location	Stream Code*	RMI*	Elevation (ft)*	DA (mi ²)*	Slope (ft/ft)	PWS Withdrawal (MGD)	Apply Fish Criteria*
Point of Discharge	023036	2.85	1027	15.4			Yes
End of Reach 1	023036	2.68	1020	15.41			Yes

Q₇₋₁₀

Location	RMI	LFY (cfs/mi ²)*	Flow (cfs)		W/D Ratio	Width (ft)	Depth (ft)	Velocity (fps)	Travel Time (days)	Tributary		Stream		Analysis	
			Stream	Tributary						Hardness	pH	Hardness*	pH*	Hardness	pH
Point of Discharge	2.85	0.239										100	8		
End of Reach 1	2.68	0.239										100	8		

Q_h

Location	RMI	LFY (cfs/mi ²)*	Flow (cfs)		W/D Ratio	Width (ft)	Depth (ft)	Velocity (fps)	Travel Time (days)	Tributary		Stream		Analysis	
			Stream	Tributary						Hardness	pH	Hardness	pH	Hardness	pH
Point of Discharge	2.85														
End of Reach 1	2.68														

Model Results

UAJA AWT Building, NPDES Permit No. PA0234028, Outfall 007

Instructions

Results

RETURN TO INPUTS

SAVE AS PDF

PRINT

☒ All

☐ Inputs

☐ Results

☐ Limits

☒ **Hydrodynamics**

Q₇₋₁₀

RMI	Stream Flow (cfs)	PWS Withdrawal (cfs)	Net Stream Flow (cfs)	Discharge Analysis Flow (cfs)	Slope (ft/ft)	Depth (ft)	Width (ft)	W/D Ratio	Velocity (fps)	Travel Time (days)	Complete Mix Time (min)
2.85	3.68		3.68	1.624	0.008	0.651	26.785	41.124	0.304	0.034	10.197
2.68	3.68		3.68299								

Q_h

RMI	Stream Flow (cfs)	PWS Withdrawal (cfs)	Net Stream Flow (cfs)	Discharge Analysis Flow (cfs)	Slope (ft/ft)	Depth (ft)	Width (ft)	W/D Ratio	Velocity (fps)	Travel Time (days)	Complete Mix Time (min)
2.85	23.21		23.21	1.624	0.008	1.284	26.785	20.853	0.722	0.014	6.681
2.68	23.219		23.22								

☒ **Wasteload Allocations**

☒ **AFC**

CCT (min): 10.197

PMF: 1

Analysis Hardness (mg/l): 76.729

Analysis pH: 7.43

Pollutants	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	Comments
Total Dissolved Solids (PWS)	0	0		0	N/A	N/A	N/A	
Chloride (PWS)	0	0		0	N/A	N/A	N/A	
Sulfate (PWS)	0	0		0	N/A	N/A	N/A	
Total Aluminum	0	0		0	750	750	2,449	
Total Antimony	0	0		0	1,100	1,100	3,592	
Total Arsenic	0	0		0	340	340	1,110	Chem Translator of 1 applied
Total Barium	0	0		0	21,000	21,000	68,584	
Total Boron	0	0		0	8,100	8,100	26,454	
Total Cadmium	0	0		0	1.556	1.63	5.32	Chem Translator of 0.955 applied
Total Chromium (III)	0	0		0	458.646	1,451	4,740	Chem Translator of 0.316 applied
Hexavalent Chromium	0	0		0	16	16.3	53.2	Chem Translator of 0.982 applied
Total Cobalt	0	0		0	95	95.0	310	
Total Copper	0	0		0	10.471	10.9	35.6	Chem Translator of 0.96 applied

Free Cyanide	0	0		0	22	22.0	71.8	
Dissolved Iron	0	0		0	N/A	N/A	N/A	
Total Iron	0	0		0	N/A	N/A	N/A	
Total Lead	0	0		0	48.345	58.3	190	Chem Translator of 0.83 applied
Total Manganese	0	0		0	N/A	N/A	N/A	
Total Mercury	0	0		0	1.400	1.65	5.38	Chem Translator of 0.85 applied
Total Nickel	0	0		0	374.232	375	1,225	Chem Translator of 0.998 applied
Total Phenols (Phenolics) (PWS)	0	0		0	N/A	N/A	N/A	
Total Selenium	0	0		0	N/A	N/A	N/A	Chem Translator of 0.922 applied
Total Silver	0	0		0	2.040	2.4	7.84	Chem Translator of 0.85 applied
Total Thallium	0	0		0	65	65.0	212	
Total Zinc	0	0		0	93.623	95.7	313	Chem Translator of 0.978 applied
Acrolein	0	0		0	3	3.0	9.8	
Acrylonitrile	0	0		0	650	650	2,123	
Benzene	0	0		0	640	640	2,090	
Bromoform	0	0		0	1,800	1,800	5,879	
Carbon Tetrachloride	0	0		0	2,800	2,800	9,144	
Chlorobenzene	0	0		0	1,200	1,200	3,919	
Chlorodibromomethane	0	0		0	N/A	N/A	N/A	
2-Chloroethyl Vinyl Ether	0	0		0	18,000	18,000	58,786	
Chloroform	0	0		0	1,900	1,900	6,205	
Dichlorobromomethane	0	0		0	N/A	N/A	N/A	
1,2-Dichloroethane	0	0		0	15,000	15,000	48,988	
1,1-Dichloroethylene	0	0		0	7,500	7,500	24,494	
1,2-Dichloropropane	0	0		0	11,000	11,000	35,925	
1,3-Dichloropropylene	0	0		0	310	310	1,012	
Ethylbenzene	0	0		0	2,900	2,900	9,471	
Methyl Bromide	0	0		0	550	550	1,796	
Methyl Chloride	0	0		0	28,000	28,000	91,445	
Methylene Chloride	0	0		0	12,000	12,000	39,191	
1,1,2,2-Tetrachloroethane	0	0		0	1,000	1,000	3,266	
Tetrachloroethylene	0	0		0	700	700	2,286	
Toluene	0	0		0	1,700	1,700	5,552	
1,2-trans-Dichloroethylene	0	0		0	6,800	6,800	22,208	
1,1,1-Trichloroethane	0	0		0	3,000	3,000	9,798	
1,1,2-Trichloroethane	0	0		0	3,400	3,400	11,104	
Trichloroethylene	0	0		0	2,300	2,300	7,512	
Vinyl Chloride	0	0		0	N/A	N/A	N/A	
2-Chlorophenol	0	0		0	560	560	1,829	
2,4-Dichlorophenol	0	0		0	1,700	1,700	5,552	
2,4-Dimethylphenol	0	0		0	660	660	2,155	
4,6-Dinitro-o-Cresol	0	0		0	80	80.0	261	
2,4-Dinitrophenol	0	0		0	660	660	2,155	
2-Nitrophenol	0	0		0	8,000	8,000	26,127	
4-Nitrophenol	0	0		0	2,300	2,300	7,512	
p-Chloro-m-Cresol	0	0		0	160	160	523	
Pentachlorophenol	0	0		0	13.376	13.4	43.7	

Phenol	0	0		0	N/A	N/A	N/A	
2,4,6-Trichlorophenol	0	0		0	460	460	1,502	
Acenaphthene	0	0		0	83	83.0	271	
Anthracene	0	0		0	N/A	N/A	N/A	
Benzidine	0	0		0	300	300	980	
Benzo(a)Anthracene	0	0		0	0.5	0.5	1.63	
Benzo(a)Pyrene	0	0		0	N/A	N/A	N/A	
3,4-Benzofluoranthene	0	0		0	N/A	N/A	N/A	
Benzo(k)Fluoranthene	0	0		0	N/A	N/A	N/A	
Bis(2-Chloroethyl)Ether	0	0		0	30,000	30,000	97,977	
Bis(2-Chloroisopropyl)Ether	0	0		0	N/A	N/A	N/A	
Bis(2-Ethylhexyl)Phthalate	0	0		0	4,500	4,500	14,697	
4-Bromophenyl Phenyl Ether	0	0		0	270	270	882	
Butyl Benzyl Phthalate	0	0		0	140	140	457	
2-Chloronaphthalene	0	0		0	N/A	N/A	N/A	
Chrysene	0	0		0	N/A	N/A	N/A	
Dibenzo(a,h)Anthracene	0	0		0	N/A	N/A	N/A	
1,2-Dichlorobenzene	0	0		0	820	820	2,678	
1,3-Dichlorobenzene	0	0		0	350	350	1,143	
1,4-Dichlorobenzene	0	0		0	730	730	2,384	
3,3-Dichlorobenzidine	0	0		0	N/A	N/A	N/A	
Diethyl Phthalate	0	0		0	4,000	4,000	13,064	
Dimethyl Phthalate	0	0		0	2,500	2,500	8,165	
Di-n-Butyl Phthalate	0	0		0	110	110	359	
2,4-Dinitrotoluene	0	0		0	1,600	1,600	5,225	
2,6-Dinitrotoluene	0	0		0	990	990	3,233	
1,2-Diphenylhydrazine	0	0		0	15	15.0	49.0	
Fluoranthene	0	0		0	200	200	653	
Fluorene	0	0		0	N/A	N/A	N/A	
Hexachlorobenzene	0	0		0	N/A	N/A	N/A	
Hexachlorobutadiene	0	0		0	10	10.0	32.7	
Hexachlorocyclopentadiene	0	0		0	5	5.0	16.3	
Hexachloroethane	0	0		0	60	60.0	196	
Indeno(1,2,3-cd)Pyrene	0	0		0	N/A	N/A	N/A	
Isophorone	0	0		0	10,000	10,000	32,659	
Naphthalene	0	0		0	140	140	457	
Nitrobenzene	0	0		0	4,000	4,000	13,064	
n-Nitrosodimethylamine	0	0		0	17,000	17,000	55,520	
n-Nitrosodi-n-Propylamine	0	0		0	N/A	N/A	N/A	
n-Nitrosodiphenylamine	0	0		0	300	300	980	
Phenanthrene	0	0		0	5	5.0	16.3	
Pyrene	0	0		0	N/A	N/A	N/A	
1,2,4-Trichlorobenzene	0	0		0	130	130	425	

☒ **CFC**

CCT (min): **10.197**

PMF: **1**

Analysis Hardness (mg/l): **76.729**

Analysis pH: **7.43**

Pollutants	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	Comments
Total Dissolved Solids (PWS)	0	0		0	N/A	N/A	N/A	
Chloride (PWS)	0	0		0	N/A	N/A	N/A	
Sulfate (PWS)	0	0		0	N/A	N/A	N/A	
Total Aluminum	0	0		0	N/A	N/A	N/A	
Total Antimony	0	0		0	220	220	718	
Total Arsenic	0	0		0	150	150	490	Chem Translator of 1 applied
Total Barium	0	0		0	4,100	4,100	13,390	
Total Boron	0	0		0	1,600	1,600	5,225	
Total Cadmium	0	0		0	0.205	0.22	0.73	Chem Translator of 0.92 applied
Total Chromium (III)	0	0		0	59.660	69.4	227	Chem Translator of 0.86 applied
Hexavalent Chromium	0	0		0	10	10.4	33.9	Chem Translator of 0.962 applied
Total Cobalt	0	0		0	19	19.0	62.1	
Total Copper	0	0		0	7.142	7.44	24.3	Chem Translator of 0.96 applied
Free Cyanide	0	0		0	5.2	5.2	17.0	
Dissolved Iron	0	0		0	N/A	N/A	N/A	
Total Iron	0	0		0	1,500	1,500	4,899	WQC = 30 day average; PMF = 1
Total Lead	0	0		0	1.884	2.27	7.42	Chem Translator of 0.83 applied
Total Manganese	0	0		0	N/A	N/A	N/A	
Total Mercury	0	0		0	0.770	0.91	2.96	Chem Translator of 0.85 applied
Total Nickel	0	0		0	41.566	41.7	136	Chem Translator of 0.997 applied
Total Phenols (Phenolics) (PWS)	0	0		0	N/A	N/A	N/A	
Total Selenium	0	0		0	4.600	4.99	16.3	Chem Translator of 0.922 applied
Total Silver	0	0		0	N/A	N/A	N/A	Chem Translator of 1 applied
Total Thallium	0	0		0	13	13.0	42.5	
Total Zinc	0	0		0	94.389	95.7	313	Chem Translator of 0.986 applied
Acrolein	0	0		0	3	3.0	9.8	
Acrylonitrile	0	0		0	130	130	425	
Benzene	0	0		0	130	130	425	
Bromoform	0	0		0	370	370	1,208	
Carbon Tetrachloride	0	0		0	560	560	1,829	
Chlorobenzene	0	0		0	240	240	784	
Chlorodibromomethane	0	0		0	N/A	N/A	N/A	
2-Chloroethyl Vinyl Ether	0	0		0	3,500	3,500	11,431	
Chloroform	0	0		0	390	390	1,274	
Dichlorobromomethane	0	0		0	N/A	N/A	N/A	
1,2-Dichloroethane	0	0		0	3,100	3,100	10,124	
1,1-Dichloroethylene	0	0		0	1,500	1,500	4,899	
1,2-Dichloropropane	0	0		0	2,200	2,200	7,185	
1,3-Dichloropropylene	0	0		0	61	61.0	199	
Ethylbenzene	0	0		0	580	580	1,894	
Methyl Bromide	0	0		0	110	110	359	
Methyl Chloride	0	0		0	5,500	5,500	17,962	
Methylene Chloride	0	0		0	2,400	2,400	7,838	

1,1,2,2-Tetrachloroethane	0	0		0	210	210	686	
Tetrachloroethylene	0	0		0	140	140	457	
Toluene	0	0		0	330	330	1,078	
1,2-trans-Dichloroethylene	0	0		0	1,400	1,400	4,572	
1,1,1-Trichloroethane	0	0		0	610	610	1,992	
1,1,2-Trichloroethane	0	0		0	680	680	2,221	
Trichloroethylene	0	0		0	450	450	1,470	
Vinyl Chloride	0	0		0	N/A	N/A	N/A	
2-Chlorophenol	0	0		0	110	110	359	
2,4-Dichlorophenol	0	0		0	340	340	1,110	
2,4-Dimethylphenol	0	0		0	130	130	425	
4,6-Dinitro-o-Cresol	0	0		0	16	16.0	52.3	
2,4-Dinitrophenol	0	0		0	130	130	425	
2-Nitrophenol	0	0		0	1,600	1,600	5,225	
4-Nitrophenol	0	0		0	470	470	1,535	
p-Chloro-m-Cresol	0	0		0	500	500	1,633	
Pentachlorophenol	0	0		0	10.262	10.3	33.5	
Phenol	0	0		0	N/A	N/A	N/A	
2,4,6-Trichlorophenol	0	0		0	91	91.0	297	
Acenaphthene	0	0		0	17	17.0	55.5	
Anthracene	0	0		0	N/A	N/A	N/A	
Benzidine	0	0		0	59	59.0	193	
Benzo(a)Anthracene	0	0		0	0.1	0.1	0.33	
Benzo(a)Pyrene	0	0		0	N/A	N/A	N/A	
3,4-Benzofluoranthene	0	0		0	N/A	N/A	N/A	
Benzo(k)Fluoranthene	0	0		0	N/A	N/A	N/A	
Bis(2-Chloroethyl)Ether	0	0		0	6,000	6,000	19,595	
Bis(2-Chloroisopropyl)Ether	0	0		0	N/A	N/A	N/A	
Bis(2-Ethylhexyl)Phthalate	0	0		0	910	910	2,972	
4-Bromophenyl Phenyl Ether	0	0		0	54	54.0	176	
Butyl Benzyl Phthalate	0	0		0	35	35.0	114	
2-Chloronaphthalene	0	0		0	N/A	N/A	N/A	
Chrysene	0	0		0	N/A	N/A	N/A	
Dibenzo(a,h)Anthracene	0	0		0	N/A	N/A	N/A	
1,2-Dichlorobenzene	0	0		0	160	160	523	
1,3-Dichlorobenzene	0	0		0	69	69.0	225	
1,4-Dichlorobenzene	0	0		0	150	150	490	
3,3-Dichlorobenzidine	0	0		0	N/A	N/A	N/A	
Diethyl Phthalate	0	0		0	800	800	2,613	
Dimethyl Phthalate	0	0		0	500	500	1,633	
Di-n-Butyl Phthalate	0	0		0	21	21.0	68.6	
2,4-Dinitrotoluene	0	0		0	320	320	1,045	
2,6-Dinitrotoluene	0	0		0	200	200	653	
1,2-Diphenylhydrazine	0	0		0	3	3.0	9.8	
Fluoranthene	0	0		0	40	40.0	131	

Fluorene	0	0		0	N/A	N/A	N/A	
Hexachlorobenzene	0	0		0	N/A	N/A	N/A	
Hexachlorobutadiene	0	0		0	2	2.0	6.53	
Hexachlorocyclopentadiene	0	0		0	1	1.0	3.27	
Hexachloroethane	0	0		0	12	12.0	39.2	
Indeno(1,2,3-cd)Pyrene	0	0		0	N/A	N/A	N/A	
Isophorone	0	0		0	2,100	2,100	6,858	
Naphthalene	0	0		0	43	43.0	140	
Nitrobenzene	0	0		0	810	810	2,645	
n-Nitrosodimethylamine	0	0		0	3,400	3,400	11,104	
n-Nitrosodi-n-Propylamine	0	0		0	N/A	N/A	N/A	
n-Nitrosodiphenylamine	0	0		0	59	59.0	193	
Phenanthrene	0	0		0	1	1.0	3.27	
Pyrene	0	0		0	N/A	N/A	N/A	
1,2,4-Trichlorobenzene	0	0		0	26	26.0	84.9	

☒ **THH**

CCT (min): 10.197

PMF: 1

Analysis Hardness (mg/l): N/A

Analysis pH: N/A

Pollutants	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	Comments
Total Dissolved Solids (PWS)	0	0		0	500,000	500,000	N/A	
Chloride (PWS)	0	0		0	250,000	250,000	N/A	
Sulfate (PWS)	0	0		0	250,000	250,000	N/A	
Total Aluminum	0	0		0	N/A	N/A	N/A	
Total Antimony	0	0		0	5.6	5.6	18.3	
Total Arsenic	0	0		0	10	10.0	32.7	
Total Barium	0	0		0	2,400	2,400	7,838	
Total Boron	0	0		0	3,100	3,100	10,124	
Total Cadmium	0	0		0	N/A	N/A	N/A	
Total Chromium (III)	0	0		0	N/A	N/A	N/A	
Hexavalent Chromium	0	0		0	N/A	N/A	N/A	
Total Cobalt	0	0		0	N/A	N/A	N/A	
Total Copper	0	0		0	N/A	N/A	N/A	
Free Cyanide	0	0		0	4	4.0	13.1	
Dissolved Iron	0	0		0	300	300	980	
Total Iron	0	0		0	N/A	N/A	N/A	
Total Lead	0	0		0	N/A	N/A	N/A	
Total Manganese	0	0		0	1,000	1,000	3,266	
Total Mercury	0	0		0	0.050	0.05	0.16	
Total Nickel	0	0		0	610	610	1,992	
Total Phenols (Phenolics) (PWS)	0	0		0	5	5.0	N/A	
Total Selenium	0	0		0	N/A	N/A	N/A	
Total Silver	0	0		0	N/A	N/A	N/A	
Total Thallium	0	0		0	0.24	0.24	0.78	

Total Zinc	0	0		0	N/A	N/A	N/A	
Acrolein	0	0		0	3	3.0	9.8	
Acrylonitrile	0	0		0	N/A	N/A	N/A	
Benzene	0	0		0	N/A	N/A	N/A	
Bromoform	0	0		0	N/A	N/A	N/A	
Carbon Tetrachloride	0	0		0	N/A	N/A	N/A	
Chlorobenzene	0	0		0	100	100.0	327	
Chlorodibromomethane	0	0		0	N/A	N/A	N/A	
2-Chloroethyl Vinyl Ether	0	0		0	N/A	N/A	N/A	
Chloroform	0	0		0	5.7	5.7	18.6	
Dichlorobromomethane	0	0		0	N/A	N/A	N/A	
1,2-Dichloroethane	0	0		0	N/A	N/A	N/A	
1,1-Dichloroethylene	0	0		0	33	33.0	108	
1,2-Dichloropropane	0	0		0	N/A	N/A	N/A	
1,3-Dichloropropylene	0	0		0	N/A	N/A	N/A	
Ethylbenzene	0	0		0	68	68.0	222	
Methyl Bromide	0	0		0	100	100.0	327	
Methyl Chloride	0	0		0	N/A	N/A	N/A	
Methylene Chloride	0	0		0	N/A	N/A	N/A	
1,1,2,2-Tetrachloroethane	0	0		0	N/A	N/A	N/A	
Tetrachloroethylene	0	0		0	N/A	N/A	N/A	
Toluene	0	0		0	57	57.0	186	
1,2-trans-Dichloroethylene	0	0		0	100	100.0	327	
1,1,1-Trichloroethane	0	0		0	10,000	10,000	32,659	
1,1,2-Trichloroethane	0	0		0	N/A	N/A	N/A	
Trichloroethylene	0	0		0	N/A	N/A	N/A	
Vinyl Chloride	0	0		0	N/A	N/A	N/A	
2-Chlorophenol	0	0		0	30	30.0	98.0	
2,4-Dichlorophenol	0	0		0	10	10.0	32.7	
2,4-Dimethylphenol	0	0		0	100	100.0	327	
4,6-Dinitro-o-Cresol	0	0		0	2	2.0	6.53	
2,4-Dinitrophenol	0	0		0	10	10.0	32.7	
2-Nitrophenol	0	0		0	N/A	N/A	N/A	
4-Nitrophenol	0	0		0	N/A	N/A	N/A	
p-Chloro-m-Cresol	0	0		0	N/A	N/A	N/A	
Pentachlorophenol	0	0		0	N/A	N/A	N/A	
Phenol	0	0		0	4,000	4,000	13,064	
2,4,6-Trichlorophenol	0	0		0	N/A	N/A	N/A	
Acenaphthene	0	0		0	70	70.0	229	
Anthracene	0	0		0	300	300	980	
Benzidine	0	0		0	N/A	N/A	N/A	
Benzo(a)Anthracene	0	0		0	N/A	N/A	N/A	
Benzo(a)Pyrene	0	0		0	N/A	N/A	N/A	
3,4-Benzofluoranthene	0	0		0	N/A	N/A	N/A	
Benzo(k)Fluoranthene	0	0		0	N/A	N/A	N/A	

Bis(2-Chloroethyl)Ether	0	0		0	N/A	N/A	N/A	
Bis(2-Chloroisopropyl)Ether	0	0		0	200	200	653	
Bis(2-Ethylhexyl)Phthalate	0	0		0	N/A	N/A	N/A	
4-Bromophenyl Phenyl Ether	0	0		0	N/A	N/A	N/A	
Butyl Benzyl Phthalate	0	0		0	0.1	0.1	0.33	
2-Chloronaphthalene	0	0		0	800	800	2,613	
Chrysene	0	0		0	N/A	N/A	N/A	
Dibenzo(a,h)Anthracene	0	0		0	N/A	N/A	N/A	
1,2-Dichlorobenzene	0	0		0	1,000	1,000	3,266	
1,3-Dichlorobenzene	0	0		0	7	7.0	22.9	
1,4-Dichlorobenzene	0	0		0	300	300	980	
3,3-Dichlorobenzidine	0	0		0	N/A	N/A	N/A	
Diethyl Phthalate	0	0		0	600	600	1,960	
Dimethyl Phthalate	0	0		0	2,000	2,000	6,532	
Di-n-Butyl Phthalate	0	0		0	20	20.0	65.3	
2,4-Dinitrotoluene	0	0		0	N/A	N/A	N/A	
2,6-Dinitrotoluene	0	0		0	N/A	N/A	N/A	
1,2-Diphenylhydrazine	0	0		0	N/A	N/A	N/A	
Fluoranthene	0	0		0	20	20.0	65.3	
Fluorene	0	0		0	50	50.0	163	
Hexachlorobenzene	0	0		0	N/A	N/A	N/A	
Hexachlorobutadiene	0	0		0	N/A	N/A	N/A	
Hexachlorocyclopentadiene	0	0		0	4	4.0	13.1	
Hexachloroethane	0	0		0	N/A	N/A	N/A	
Indeno(1,2,3-cd)Pyrene	0	0		0	N/A	N/A	N/A	
Isophorone	0	0		0	34	34.0	111	
Naphthalene	0	0		0	N/A	N/A	N/A	
Nitrobenzene	0	0		0	10	10.0	32.7	
n-Nitrosodimethylamine	0	0		0	N/A	N/A	N/A	
n-Nitrosodi-n-Propylamine	0	0		0	N/A	N/A	N/A	
n-Nitrosodiphenylamine	0	0		0	N/A	N/A	N/A	
Phenanthrene	0	0		0	N/A	N/A	N/A	
Pyrene	0	0		0	20	20.0	65.3	
1,2,4-Trichlorobenzene	0	0		0	0.07	0.07	0.23	

☒ **CRL**

CCT (min): **6.681**

PMF: **1**

Analysis Hardness (mg/l): **N/A**

Analysis pH: **N/A**

Pollutants	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	Comments
Total Dissolved Solids (PWS)	0	0		0	N/A	N/A	N/A	
Chloride (PWS)	0	0		0	N/A	N/A	N/A	
Sulfate (PWS)	0	0		0	N/A	N/A	N/A	
Total Aluminum	0	0		0	N/A	N/A	N/A	
Total Antimony	0	0		0	N/A	N/A	N/A	

Total Arsenic	0	0		0	N/A	N/A	N/A	
Total Barium	0	0		0	N/A	N/A	N/A	
Total Boron	0	0		0	N/A	N/A	N/A	
Total Cadmium	0	0		0	N/A	N/A	N/A	
Total Chromium (III)	0	0		0	N/A	N/A	N/A	
Hexavalent Chromium	0	0		0	N/A	N/A	N/A	
Total Cobalt	0	0		0	N/A	N/A	N/A	
Total Copper	0	0		0	N/A	N/A	N/A	
Free Cyanide	0	0		0	N/A	N/A	N/A	
Dissolved Iron	0	0		0	N/A	N/A	N/A	
Total Iron	0	0		0	N/A	N/A	N/A	
Total Lead	0	0		0	N/A	N/A	N/A	
Total Manganese	0	0		0	N/A	N/A	N/A	
Total Mercury	0	0		0	N/A	N/A	N/A	
Total Nickel	0	0		0	N/A	N/A	N/A	
Total Phenols (Phenolics) (PWS)	0	0		0	N/A	N/A	N/A	
Total Selenium	0	0		0	N/A	N/A	N/A	
Total Silver	0	0		0	N/A	N/A	N/A	
Total Thallium	0	0		0	N/A	N/A	N/A	
Total Zinc	0	0		0	N/A	N/A	N/A	
Acrolein	0	0		0	N/A	N/A	N/A	
Acrylonitrile	0	0		0	0.06	0.06	0.92	
Benzene	0	0		0	0.58	0.58	8.87	
Bromoform	0	0		0	7	7.0	107	
Carbon Tetrachloride	0	0		0	0.4	0.4	6.11	
Chlorobenzene	0	0		0	N/A	N/A	N/A	
Chlorodibromomethane	0	0		0	0.8	0.8	12.2	
2-Chloroethyl Vinyl Ether	0	0		0	N/A	N/A	N/A	
Chloroform	0	0		0	N/A	N/A	N/A	
Dichlorobromomethane	0	0		0	0.95	0.95	14.5	
1,2-Dichloroethane	0	0		0	9.9	9.9	151	
1,1-Dichloroethylene	0	0		0	N/A	N/A	N/A	
1,2-Dichloropropane	0	0		0	0.9	0.9	13.8	
1,3-Dichloropropylene	0	0		0	0.27	0.27	4.13	
Ethylbenzene	0	0		0	N/A	N/A	N/A	
Methyl Bromide	0	0		0	N/A	N/A	N/A	
Methyl Chloride	0	0		0	N/A	N/A	N/A	
Methylene Chloride	0	0		0	20	20.0	306	
1,1,2,2-Tetrachloroethane	0	0		0	0.2	0.2	3.06	
Tetrachloroethylene	0	0		0	10	10.0	153	
Toluene	0	0		0	N/A	N/A	N/A	
1,2-trans-Dichloroethylene	0	0		0	N/A	N/A	N/A	
1,1,1-Trichloroethane	0	0		0	N/A	N/A	N/A	
1,1,2-Trichloroethane	0	0		0	0.55	0.55	8.41	
Trichloroethylene	0	0		0	0.6	0.6	9.17	

Vinyl Chloride	0	0		0	0.02	0.02	0.31	
2-Chlorophenol	0	0		0	N/A	N/A	N/A	
2,4-Dichlorophenol	0	0		0	N/A	N/A	N/A	
2,4-Dimethylphenol	0	0		0	N/A	N/A	N/A	
4,6-Dinitro-o-Cresol	0	0		0	N/A	N/A	N/A	
2,4-Dinitrophenol	0	0		0	N/A	N/A	N/A	
2-Nitrophenol	0	0		0	N/A	N/A	N/A	
4-Nitrophenol	0	0		0	N/A	N/A	N/A	
p-Chloro-m-Cresol	0	0		0	N/A	N/A	N/A	
Pentachlorophenol	0	0		0	0.030	0.03	0.46	
Phenol	0	0		0	N/A	N/A	N/A	
2,4,6-Trichlorophenol	0	0		0	1.5	1.5	22.9	
Acenaphthene	0	0		0	N/A	N/A	N/A	
Anthracene	0	0		0	N/A	N/A	N/A	
Benzidine	0	0		0	0.0001	0.0001	0.002	
Benzo(a)Anthracene	0	0		0	0.001	0.001	0.015	
Benzo(a)Pyrene	0	0		0	0.0001	0.0001	0.002	
3,4-Benzofluoranthene	0	0		0	0.001	0.001	0.015	
Benzo(k)Fluoranthene	0	0		0	0.01	0.01	0.15	
Bis(2-Chloroethyl)Ether	0	0		0	0.03	0.03	0.46	
Bis(2-Chloroisopropyl)Ether	0	0		0	N/A	N/A	N/A	
Bis(2-Ethylhexyl)Phthalate	0	0		0	0.32	0.32	4.89	
4-Bromophenyl Phenyl Ether	0	0		0	N/A	N/A	N/A	
Butyl Benzyl Phthalate	0	0		0	N/A	N/A	N/A	
2-Chloronaphthalene	0	0		0	N/A	N/A	N/A	
Chrysene	0	0		0	0.12	0.12	1.83	
Dibenzo(a,h)Anthracene	0	0		0	0.0001	0.0001	0.002	
1,2-Dichlorobenzene	0	0		0	N/A	N/A	N/A	
1,3-Dichlorobenzene	0	0		0	N/A	N/A	N/A	
1,4-Dichlorobenzene	0	0		0	N/A	N/A	N/A	
3,3-Dichlorobenzidine	0	0		0	0.05	0.05	0.76	
Diethyl Phthalate	0	0		0	N/A	N/A	N/A	
Dimethyl Phthalate	0	0		0	N/A	N/A	N/A	
Di-n-Butyl Phthalate	0	0		0	N/A	N/A	N/A	
2,4-Dinitrotoluene	0	0		0	0.05	0.05	0.76	
2,6-Dinitrotoluene	0	0		0	0.05	0.05	0.76	
1,2-Diphenylhydrazine	0	0		0	0.03	0.03	0.46	
Fluoranthene	0	0		0	N/A	N/A	N/A	
Fluorene	0	0		0	N/A	N/A	N/A	
Hexachlorobenzene	0	0		0	0.00008	0.00008	0.001	
Hexachlorobutadiene	0	0		0	0.01	0.01	0.15	
Hexachlorocyclopentadiene	0	0		0	N/A	N/A	N/A	
Hexachloroethane	0	0		0	0.1	0.1	1.53	
Indeno(1,2,3-cd)Pyrene	0	0		0	0.001	0.001	0.015	
Isophorone	0	0		0	N/A	N/A	N/A	

Naphthalene	0	0		0	N/A	N/A	N/A	
Nitrobenzene	0	0		0	N/A	N/A	N/A	
n-Nitrosodimethylamine	0	0		0	0.0007	0.0007	0.011	
n-Nitrosodi-n-Propylamine	0	0		0	0.005	0.005	0.076	
n-Nitrosodiphenylamine	0	0		0	3.3	3.3	50.4	
Phenanthrene	0	0		0	N/A	N/A	N/A	
Pyrene	0	0		0	N/A	N/A	N/A	
1,2,4-Trichlorobenzene	0	0		0	N/A	N/A	N/A	

☒ **Recommended WQBELs & Monitoring Requirements**

No. Samples/Month: 4

Pollutants	Mass Limits		Concentration Limits				Governing WQBEL	WQBEL Basis	Comments
	AML (lbs/day)	MDL (lbs/day)	AML	MDL	IMAX	Units			
Total Cadmium	0.006	0.01	0.73	1.13	1.82	µg/L	0.73	CFC	Discharge Conc ≥ 50% WQBEL (RP)
Total Copper	Report	Report	Report	Report	Report	µg/L	22.8	AFC	Discharge Conc > 10% WQBEL (no RP)
Total Silver	Report	Report	Report	Report	Report	µg/L	5.02	AFC	Discharge Conc > 10% WQBEL (no RP)

☒ **Other Pollutants without Limits or Monitoring**

The following pollutants do not require effluent limits or monitoring based on water quality because reasonable potential to exceed water quality criteria was not determined and the discharge concentration was less than thresholds for monitoring, or the pollutant was not detected and a sufficiently sensitive analytical method was used (e.g., ≤ Target QL).

Pollutants	Governing WQBEL	Units	Comments
Total Dissolved Solids (PWS)	N/A	N/A	PWS Not Applicable
Chloride (PWS)	N/A	N/A	PWS Not Applicable
Bromide	N/A	N/A	No WQS
Sulfate (PWS)	N/A	N/A	PWS Not Applicable
Total Aluminum	1,570	µg/L	Discharge Conc ≤ 10% WQBEL
Total Antimony	N/A	N/A	Discharge Conc < TQL
Total Arsenic	N/A	N/A	Discharge Conc < TQL
Total Barium	N/A	N/A	Discharge Conc < TQL
Total Beryllium	N/A	N/A	No WQS
Total Boron	5,225	µg/L	Discharge Conc ≤ 10% WQBEL
Total Chromium (III)	227	µg/L	Discharge Conc ≤ 10% WQBEL
Hexavalent Chromium	33.9	µg/L	Discharge Conc ≤ 10% WQBEL
Total Cobalt	62.1	µg/L	Discharge Conc ≤ 10% WQBEL
Free Cyanide	13.1	µg/L	Discharge Conc ≤ 25% WQBEL
Total Cyanide	N/A	N/A	No WQS

Dissolved Iron	980	µg/L	Discharge Conc < TQL
Total Iron	4,899	µg/L	Discharge Conc ≤ 10% WQBEL
Total Lead	7.42	µg/L	Discharge Conc < TQL
Total Manganese	3,266	µg/L	Discharge Conc ≤ 10% WQBEL
Total Mercury	0.16	µg/L	Discharge Conc < TQL
Total Nickel	136	µg/L	Discharge Conc ≤ 10% WQBEL
Total Phenols (Phenolics) (PWS)		µg/L	PWS Not Applicable
Total Selenium	16.3	µg/L	Discharge Conc < TQL
Total Thallium	0.78	µg/L	Discharge Conc < TQL
Total Zinc	200	µg/L	Discharge Conc ≤ 10% WQBEL
Total Molybdenum	N/A	N/A	No WQS
Acrolein	6.28	µg/L	Discharge Conc < TQL
Acrylonitrile	0.92	µg/L	Discharge Conc < TQL
Benzene	8.87	µg/L	Discharge Conc < TQL
Bromoform	107	µg/L	Discharge Conc < TQL
Carbon Tetrachloride	6.11	µg/L	Discharge Conc ≤ 25% WQBEL
Chlorobenzene	327	µg/L	Discharge Conc < TQL
Chlorodibromomethane	12.2	µg/L	Discharge Conc < TQL
Chloroethane	N/A	N/A	No WQS
2-Chloroethyl Vinyl Ether	11,431	µg/L	Discharge Conc < TQL
Chloroform	18.6	µg/L	Discharge Conc < TQL
Dichlorobromomethane	14.5	µg/L	Discharge Conc < TQL
1,1-Dichloroethane	N/A	N/A	No WQS
1,2-Dichloroethane	151	µg/L	Discharge Conc < TQL
1,1-Dichloroethylene	108	µg/L	Discharge Conc < TQL
1,2-Dichloropropane	13.8	µg/L	Discharge Conc < TQL
1,3-Dichloropropylene	4.13	µg/L	Discharge Conc ≤ 25% WQBEL
1,4-Dioxane	N/A	N/A	No WQS
Ethylbenzene	222	µg/L	Discharge Conc < TQL
Methyl Bromide	327	µg/L	Discharge Conc < TQL
Methyl Chloride	17,962	µg/L	Discharge Conc < TQL
Methylene Chloride	306	µg/L	Discharge Conc < TQL
1,1,2,2-Tetrachloroethane	3.06	µg/L	Discharge Conc < TQL
Tetrachloroethylene	153	µg/L	Discharge Conc < TQL
Toluene	186	µg/L	Discharge Conc < TQL
1,2-trans-Dichloroethylene	327	µg/L	Discharge Conc < TQL
1,1,1-Trichloroethane	1,992	µg/L	Discharge Conc < TQL
1,1,2-Trichloroethane	8.41	µg/L	Discharge Conc < TQL
Trichloroethylene	9.17	µg/L	Discharge Conc < TQL
Vinyl Chloride	0.31	µg/L	Discharge Conc < TQL
2-Chlorophenol	98.0	µg/L	Discharge Conc < TQL
2,4-Dichlorophenol	32.7	µg/L	Discharge Conc < TQL
2,4-Dimethylphenol	327	µg/L	Discharge Conc < TQL
4,6-Dinitro-o-Cresol	6.53	µg/L	Discharge Conc < TQL
2,4-Dinitrophenol	32.7	µg/L	Discharge Conc < TQL

2-Nitrophenol	5,225	µg/L	Discharge Conc < TQL
4-Nitrophenol	1,535	µg/L	Discharge Conc < TQL
p-Chloro-m-Cresol	335	µg/L	Discharge Conc < TQL
Pentachlorophenol	0.46	µg/L	Discharge Conc < TQL
Phenol	13,064	µg/L	Discharge Conc < TQL
2,4,6-Trichlorophenol	22.9	µg/L	Discharge Conc < TQL
Acenaphthene	55.5	µg/L	Discharge Conc < TQL
Acenaphthylene	N/A	N/A	No WQS
Anthracene	980	µg/L	Discharge Conc < TQL
Benzidine	0.002	µg/L	Discharge Conc < TQL
Benzo(a)Anthracene	0.015	µg/L	Discharge Conc < TQL
Benzo(a)Pyrene	0.002	µg/L	Discharge Conc < TQL
3,4-Benzofluoranthene	0.015	µg/L	Discharge Conc < TQL
Benzo(ghi)Perylene	N/A	N/A	No WQS
Benzo(k)Fluoranthene	0.15	µg/L	Discharge Conc < TQL
Bis(2-Chloroethoxy)Methane	N/A	N/A	No WQS
Bis(2-Chloroethyl)Ether	0.46	µg/L	Discharge Conc < TQL
Bis(2-Chloroisopropyl)Ether	653	µg/L	Discharge Conc < TQL
Bis(2-Ethylhexyl)Phthalate	4.89	µg/L	Discharge Conc < TQL
4-Bromophenyl Phenyl Ether	176	µg/L	Discharge Conc < TQL
Butyl Benzyl Phthalate	0.33	µg/L	Discharge Conc < TQL
2-Chloronaphthalene	2,613	µg/L	Discharge Conc < TQL
4-Chlorophenyl Phenyl Ether	N/A	N/A	No WQS
Chrysene	1.83	µg/L	Discharge Conc < TQL
Dibenzo(a,h)Anthracene	0.002	µg/L	Discharge Conc < TQL
1,2-Dichlorobenzene	523	µg/L	Discharge Conc < TQL
1,3-Dichlorobenzene	22.9	µg/L	Discharge Conc < TQL
1,4-Dichlorobenzene	490	µg/L	Discharge Conc < TQL
3,3-Dichlorobenzidine	0.76	µg/L	Discharge Conc < TQL
Diethyl Phthalate	1,960	µg/L	Discharge Conc < TQL
Dimethyl Phthalate	1,633	µg/L	Discharge Conc < TQL
Di-n-Butyl Phthalate	65.3	µg/L	Discharge Conc < TQL
2,4-Dinitrotoluene	0.76	µg/L	Discharge Conc < TQL
2,6-Dinitrotoluene	0.76	µg/L	Discharge Conc < TQL
Di-n-Octyl Phthalate	N/A	N/A	No WQS
1,2-Diphenylhydrazine	0.46	µg/L	Discharge Conc < TQL
Fluoranthene	65.3	µg/L	Discharge Conc < TQL
Fluorene	163	µg/L	Discharge Conc < TQL
Hexachlorobenzene	0.001	µg/L	Discharge Conc < TQL
Hexachlorobutadiene	0.15	µg/L	Discharge Conc < TQL
Hexachlorocyclopentadiene	3.27	µg/L	Discharge Conc < TQL
Hexachloroethane	1.53	µg/L	Discharge Conc < TQL
Indeno(1,2,3-cd)Pyrene	0.015	µg/L	Discharge Conc < TQL
Isophorone	111	µg/L	Discharge Conc < TQL
Naphthalene	140	µg/L	Discharge Conc < TQL

Nitrobenzene	32.7	µg/L	Discharge Conc < TQL
n-Nitrosodimethylamine	0.011	µg/L	Discharge Conc < TQL
n-Nitrosodi-n-Propylamine	0.076	µg/L	Discharge Conc < TQL
n-Nitrosodiphenylamine	50.4	µg/L	Discharge Conc < TQL
Phenanthrene	3.27	µg/L	Discharge Conc < TQL
Pyrene	65.3	µg/L	Discharge Conc < TQL
1,2,4-Trichlorobenzene	0.23	µg/L	Discharge Conc < TQL