

Detroit North Pre-Treatment Discharge Monitoring Data January-24

Summary

	# of Sample Parameters	# of Passing Parameters	Sample Pass Rate
Daily Exceedance	150	150	100%
Monthly Exceedance	132	132	100%

All required daily and monthly samples were collected before being discharged for further treatment at GLWA. All sample parameters passed daily and monthly limits.

Discharge Monitoring Results

Parameter	Minimum Sampling Frequency	Daily Maximum mg/L	Monthly Average mg/L	1/3/2024 mg/L	1/9/2024 mg/L	1/16/2024 mg/L	1/23/2024 mg/L	1/31/2024 mg/L	Monthly Average mg/L
Metals									
Total Antimony	1/wk	0.249	0.206	0.05	0.05	0.05	0.05	0.05	0.0500
Total Arsenic	1/wk	0.162	0.104	0.05	0.05	0.05	0.05	0.05	0.0500
Total Cadmium	1/wk	0.474	0.0962	0.025	0.025	0.025	0.025	0.025	0.0250
Total Chromium	1/wk	0.947	0.487	0.05	0.05	0.05	0.05	0.05	0.0500
Total Cobalt	1/wk	0.192	0.124	0.05	0.05	0.05	0.05	0.05	0.0500
Total Copper	1/wk	0.405	0.301	0.05	0.05	0.05	0.05	0.05	0.0500
Total Lead	1/wk	0.222	0.172	0.05	0.05	0.05	0.05	0.05	0.0500
Total Mercury	1/wk	< 0.0002	0.000739	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Total Nickel	1/wk	3.95	1.45	0.05	0.05	0.05	0.05	0.122	0.0644
Total Silver	1/wk	0.12	0.0351	0.015	0.015	0.015	0.015	0.015	0.0150
Total Tin	1/wk	0.409	0.12	0.05	0.05	0.05	0.05	0.05	0.0500
Total Titanium	1/wk	0.0947	0.0618	0.025	0.025	0.025	0.025	0.025	0.0250
Total Vanadium	1/wk	0.218	0.0662	0.025	0.025	0.025	0.025	0.025	0.0250
Total Zinc	1/wk	2.87	0.641	0.05	0.05	0.05	0.05	0.119	0.0638
Organics									
Bis(2-ethylhexyl)phthalate	1/wk	0.267	0.158	0.01	0.032	0.01	0.01	0.011	0.0146
Carbazole	1/wk	0.392	0.233	0.01	0.01	0.01	0.01	0.01	0.0100
o-Cresol	1/wk	1.92	0.561	0.01	0.01	0.01	0.01	0.01	0.0100
p-Cresol	1/wk	0.698	0.205	0.01	0.011	0.011	0.011	0.02	0.0126
n-Decane	1/wk	5.79	3.31	0.01	0.01	0.01	0.01	0.01	0.0100
Fluoranthene	1/wk	0.787	0.393	0.01	0.01	0.01	0.01	0.01	0.0100
n-Octadecane	1/wk	1.22	0.925	0.01	0.01	0.01	0.01	0.017	0.0114
2,4,6-Trichlorophenol	1/wk	0.155 ug/l	0.106 ug/l	0.01	0.01	0.01	0.01	0.01	0.0100
pH									
pH - Acidity/Alkalinity	1/wk	5.0-11.5 units		10.1	9.93	9.83	9.18	9.77	
Other									
Available Cyanide	2/mo	1.5			0.0127	0.0057			
Fats Oil and Grease	2/mo	1500			<4.5	<1.3			
Total Suspended Solids	2/mo	10000			137	<100			
BOD	2/mo	10000			217	104			
Phosphorus	2/mo	250			<5.0	<5.0			