

Detroit North Pre-Treatment Discharge Monitoring Data April-24

Summary

	# of Sample Parameters	# of Passing Parameters	Sample Pass Rate
Daily Exceedance	135	135	100%
Monthly Exceedance	138	136	99%

All required daily and monthly samples were collected before being discharged for further treatment at GLWA. Lead concentrations in the April 9 sample were elevated above the daily maximum discharge limits, resulting in elevated monthly average concentrations. A review of the source streams treated determined a single stream had higher pre-treatment concentrations than previous receipts of the material. All other sample parameters passed daily and monthly limits.

Discharge Monitoring Results

Parameter	Minimum Sampling Frequency	Daily Maximum mg/L	Monthly Average mg/L	4/2/2024	4/3/2024	4/9/2024	4/16/2024	4/23/2024	4/30/2024	Monthly Average
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Metals										
Total Antimony	1/wk	0.249	0.206		0.05	0.141	0.05	0.05	0.05	0.0682
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	1.87	0.05	0.05	0.05	0.4140
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		0.312	0.05	0.05	0.05	0.05	0.1024
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	0.02	0.0440
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	0.00632	0.0213
Total Zinc	1/wk	2.87	0.641		0.05	0.05	0.05	0.05	0.158	0.0716
Organics										
Bis(2-ethylhexyl)phthalate	1/wk	0.267	0.158		0.01	0.01	0.01	0.01	0.01	0.0100
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		0.012	0.05	0.011	0.015	0.05	0.0276
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		0.015	0.01	0.011	0.013	0.01	0.0118
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			9.91	9.34	9.58	9.34	9.86	
Other										
Available Cyanide	2/mo	1.5		0.0849		<1.0				
Fats Oil and Grease	2/mo	1500		<100		<100				
Total Suspended Solids	2/mo	10000			<100	206				
BOD	2/mo	10000		15.9		67.6				
Phosphorus	2/mo	250			<5.0	<5.0				