

## Detroit South Pre-Treatment Discharge Monitoring Data May-24

### Summary

	# of Sample Parameters	# of Passing Parameters	Sample Pass Rate
Daily Exceedance	224	224	100%
Monthly Exceedance	154	154	100%

All required daily and monthly samples collected were below discharge limits before being discharged for further treatment at GLWA. PFAS samples were not collected in the month of April.

### Discharge Monitoring Results

	Minimum Sampling Frequency	Daily Maximum mg/L	Monthly Average mg/L	Site Grab 05/07/24 mg/L	Site Comp 05/07/24 mg/L	Site Grab 05/14/24 mg/L	Site Comp 05/14/24 mg/L	Site Comp 05/21/24 mg/L	Site Grab 05/23/24 mg/L	Site Comp 05/28/24 mg/L	Site Grab 05/28/24 mg/L	Monthly Average mg/L
<b>Metals</b>												
Total Antimony	1/wk	0.249	0.206		<0.10		<0.10	<0.10		<0.10		<0.10
Total Arsenic	1/wk	0.162	0.104		<0.10		<0.10	<0.10		<0.10		<0.10
Total Cadmium	1/wk	0.474	0.0962		<0.05		<0.05	<0.05		<0.05		<0.05
Total Chromium	1/wk	0.947	0.487		<0.10		<0.10	<0.10		<0.10		<0.10
Total Cobalt	1/wk	0.192	0.124		<0.10		<0.10	<0.10		<0.10		<0.10
Total Copper	1/wk	0.405	0.301		<0.10		<0.10	<0.10		<0.10		<0.10
Total Lead	1/wk	0.222	0.172		<0.10		<0.10	<0.10		<0.10		<0.10
Total Mercury	1/wk	0.00234	0.000739		<0.0002		<0.0002	<0.0002		<0.0002		<0.0002
Total Nickel	1/wk	3.95	1.45		<0.10		<0.10	<0.10		<0.10		<0.10
Total Silver	1/wk	0.12	0.0351		<0.03		<0.03	<0.03		<0.03		<0.03
Total Tin	1/wk	0.409	0.12		<0.10		<0.10	<0.10		<0.10		<0.10
Total Titanium	1/wk	0.0947	0.0618		<0.05		<0.05	<0.05		<0.05		<0.05
Total Vanadium	1/wk	0.218	0.0662		<0.05		<0.05	<0.05		<0.05		<0.05
Total Zinc	1/wk	2.87	0.641		<0.10		<0.10	<0.10		<0.10		<0.10
<b>Organics</b>												
Bis(2-ethylhexyl)phthalate	1/wk	0.267	0.158		<0.050		<0.050	<0.050		<0.050		<0.050
Carbazole	1/wk	0.392	0.233		<0.010		<0.010	<0.010		<0.010		<0.010
o-Cresol	1/wk	1.92	0.561		<0.010		<0.010	<0.010		<0.010		<0.010
p-Cresol	1/wk	0.698	0.205		<0.010		<0.010	<0.010		<0.010		<0.010
n-Decane	1/wk	5.79	3.31		<0.010		<0.010	<0.010		<0.010		<0.010
Fluoranthene	1/wk	0.787	0.393		<0.010		<0.010	<0.010		<0.010		<0.010
n-Octadecane	1/wk	1.22	0.925		<0.010		<0.010	<0.010		<0.010		<0.010
2,4,6-Trichlorophenol	1/wk	0.155	0.106		<0.010		<0.010	<0.010		<0.010		<0.010
<b>PFAS</b>												
Perfluorooctanesulfonic acid	2/mo	0.06 µg/L	---						<0.06		<0.06	
<b>Other</b>												
Cyanide (Amenable) (CNA)	2/mo	1.5	---	<1.0		<1.0						
Fats, Oil and Grease	2/mo	1500	---	<100		<100						
Total Suspended Solids	2/mo	10000	---		<100		<100					
BOD	2/mo	10000	---		<60		<60					
Phosphorus	2/mo	150	---		<5.0		<5.0					

### Continuous pH

Discharge Date	Minimum Sampling Frequency	Daily Minimum pH (SU)	Daily Maximum pH (SU)	Minimum pH		Maximum pH	
				Time	pH (SU)	Time	pH (SU)
1-May-24	Continuous	<5	>11.5	19:47	6.22	3:47	6.81
2-May-24	Continuous	<5	>11.5	9:37	5.72	15:17	7.39
3-May-24	Continuous	<5	>11.5	18:48	6.08	18:38	9.77
4-May-24	Continuous	<5	>11.5	12:08	6.18	21:58	6.30
6-May-24	Continuous	<5	>11.5	18:28	5.57	7:08	8.52
7-May-24	Continuous	<5	>11.5	17:49	6.61	7:19	8.31
8-May-24	Continuous	<5	>11.5	9:39	5.79	18:30	9.69
9-May-24	Continuous	<5	>11.5	11:00	6.10	15:30	8.02
10-May-24	Continuous	<5	>11.5	18:20	5.02	18:10	8.42
11-May-24	Continuous	<5	>11.5	0:01	6.88	23:11	7.01
13-May-24	Continuous	<5	>11.5	18:41	6.37	18:31	9.74
14-May-24	Continuous	<5	>11.5	7:02	6.32	8:22	7.83
15-May-24	Continuous	<5	>11.5	11:52	6.42	16:52	9.20
16-May-24	Continuous	<5	>11.5	8:02	6.78	17:22	8.87
17-May-24	Continuous	<5	>11.5	10:12	5.83	20:13	7.84
18-May-24	Continuous	<5	>11.5	11:03	6.78	7:03	7.96
20-May-24	Continuous	<5	>11.5	20:04	6.34	14:53	8.31
21-May-24	Continuous	<5	>11.5	17:34	6.20	14:44	9.35
22-May-24	Continuous	<5	>11.5	12:04	6.23	16:34	9.59
23-May-24	Continuous	<5	>11.5	16:34	6.46	16:14	9.57
24-May-24	Continuous	<5	>11.5	23:55	6.62	7:35	8.82
27-May-24	Continuous	<5	>11.5	9:25	6.52	7:45	6.66
28-May-24	Continuous	<5	>11.5	8:56	5.98	16:06	8.96
29-May-24	Continuous	<5	>11.5	11:16	6.73	23:56	8.49
30-May-24	Continuous	<5	>11.5	3:36	6.48	13:56	9.68
31-May-24	Continuous	<5	>11.5	10:07	6.75	22:37	8.58