

Wastewater Processing Facility

This facility receives and treats oily wastewater from industrial clients. The water is treated with an initial oil/water separator, collected in a reaction tank where Floc™ was added and then dewatered using a filter press. The results of the preliminary tests are shown below:

General Analysis (units in mg/L)

	Untreated	Treated	% Removal
BOD	14,100	5,190	63.2%
TDS	3,600	3,560	Negligible

Total Toxic Organics, EPA Method 8260B (all units in ppb)

Removal	Untreated	Treated	% Removal
1,4 Dichlorobenzene	181	ND	>99%
Ethyl benzene	168	ND	>99%
Toluene	3,530	19	99.5%

Total Threshold Limit Concentration, TTLC (all units in ppm)

	Untreated	Treated	% Removal	
Antimony	ND	ND	ND	N/A
Arsenic	0.032	ND	ND	>99%
Barium	5.64	ND	ND	>99%
Cadmium	0.141	ND	ND	>99%
Chromium, Total	2.65	0.025	0.025	99%
Cobalt	0.169	0.036	0.036	79%
Copper	10.2	0.047	0.047	99.5%
Lead	4.51	0.015	0.015	99.7%
Mercury	ND	ND	ND	N/A
Molybdenum	4.79	1.41	1.41	70.6%
Nickel	3.05	0.436	0.436	85.7%
Selenium	ND	ND	ND	N/A
Silver	0.039	ND	ND	>99%
Thallium	ND	ND	ND	N/A
Vanadium	0.167	ND	ND	>99%
Zinc	74.1	ND	ND	99.1%
Beryllium	ND	ND	ND	N/A

