

Industrial Wastewater Facility

This facility imports and accepts a variety of industrial wastewaters including: plating, cutting oils, paint, carwash, printing, textile and many others. The facility treats an average of 300,000 gal/day of these combined wastes. The current treatment process uses pH adjusting with acid or lime, ferric sulfate, metal precipitate, and a flocculant. The treatment often requires a second treatment or combination with other streams to meet their discharge permit. Often there are regulated compounds in the treated water that require extra labor and treatment to maintain compliance. The Floc™ chemistry eliminates the need for these additional compounds and second treatments. The analyticals are below:

Analyte *	Untreated	Treated
Antimony	.087	<.01
Arsenic	0.35	<0.13
Barium	0.68	<0.01
Cadmium	0.14	<0.02
Chromium	8.929	<0.03
Cobalt	1.1	<0.01
Copper	40.850	0.190
Lead	0.690	<0.10
Mercury	0.76	<0.10
Molybdenum	4.218	0.450
Nickel	10.310	<0.05
Selenium	0.938	<0.16
Silver	0.198	0.021
Tin	1.874	0.12
Titanium	0.997	<0.002
Vanadium	0.213	<0.05
Zinc	18.080	0.018

*Units are in mg/L