

Treatability Procedure

- 1) Mix samples with regular and chrome laden stream to obtain a 7% by volume chrome to regular wastewater blend. Used a 2,000 ml sample
- 2) Initial pH = 9.5, Conductivity = 3,4250 uS, ORP = +55.9 mV
- 3) Add IE-061 (10% solution) for a total of 0.3ml of neat product to an ORP of -163 mV.
- 4) PH still at 9.5, added Carbon dioxide gas to a pH of 7.0 Sample was buffered at 8.3 so it took a fair amount of carbon dioxide to drop through to 7.0
- 5) Added Floccin-HP at 38 grams/2,000 liters (160 lbs/1,000 gallons).
- 6) Total addition of IE-061 was 150 ppm, Carbon Dioxide usage estimated at 20 lbs. per 1,000 gallons.



**Treated: Sample results:**

Antimony	ND
Arsenic	ND
Barium	ND
Beryllium	ND
Cadmium	ND
Chromium	0.30
Cobalt	ND
Copper	0.30
Lead	0.060
Mercury	ND
Molybdenum	0.3
Nickel	ND
Selenium	ND
Silver	ND
Thallium	ND
Vanadium	ND
Zinc	2.4