

Water Treatment Services

Integrated System Provides Effective Chromium Removal and Packaging

Pressurized Electrocoagulation system efficiently reduces Cr-VI to Cr-III while producing dewatered waste that meets TCLP and municipal landfill criteria.

Features

- ✓ Skid/trailer/container mounting
- ✓ Electrocoagulation Technology
- ✓ Multiple solids removal technologies
- ✓ Automated controls with data logging

Performance Factors

- ✓ Standard flow rates from 50 to 500 gpm
- ✓ ~99.5% chromium removal
- ✓ Typical sludge generation rate of 10 ft³ per MMgal
- ✓ Supports 24/7 operation; no downtime required for backwashing, regeneration, or chemical cleaning
- ✓ No secondary liquid waste requiring discharge or offsite treatment
- ✓ Destroys and removes bacteria, viruses, and cysts
- ✓ Compatible with a wide array of contaminants including fats, oils, and grease
- ✓ EC enhances sludge dewaterability and eliminates hazardous characteristics
- ✓ HMI mimic screens aid operator understanding and minimizes training time

Benefits

- ✓ Quick installation/startup
- ✓ Eliminates need for precipitation chemicals
- ✓ Mitigates system transients
- ✓ Improved product quality
- ✓ Unattended system operation

Options for Implementation

AVANTech offers a variety of implementation options and services to accommodate client needs, including:

- ✓ Purchase
- ✓ Short- and long-term leasing
- ✓ Experienced engineers and trained operators available to support system design and operation

Pilot Scale Demonstration

- ✓ Verify treatment system compatibility
- ✓ Verify Component Performance
- ✓ Qualify and Optimize System Parameters
- ✓ Create Basis for Guaranteed Performance

