

# Hexavalent Chromium Removal



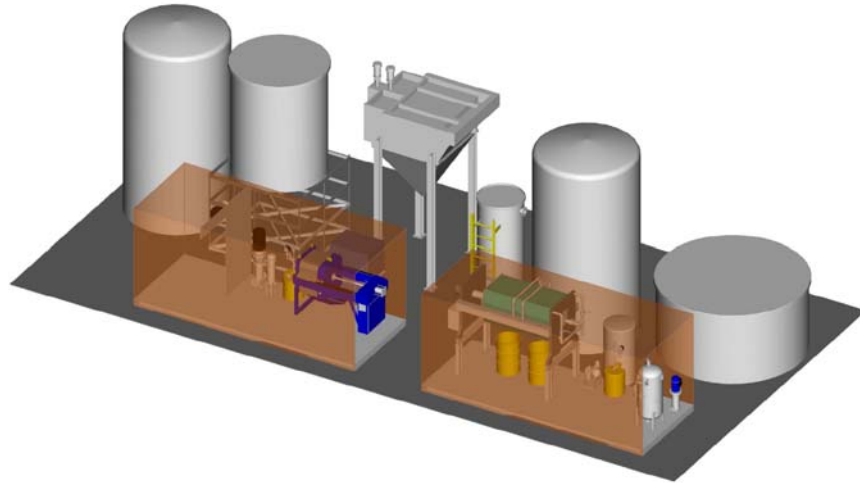
**AVANTech**  
INCORPORATED

Technology

Solutions

Experience

*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

## 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; these options include the following:

- Purchase
- Short & Long Term Leasing
- Experienced engineers and trained operators available to support system design and operation



*Electrocoagulation Unit*



Hexavalent Chromium Removal

**PERFORMANCE FACTORS**

- Standard flow rates from 50 to 500 gpm
- ~ 99.5% Chromium Removal
- Typical sludge generation rate of 10 ft<sup>3</sup> 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 & removes bacteria, viruses & 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

**PILOT SCALE DEMONSTRATION**

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



Onsite Testing Available

**WE'RE AVAILABLE**

For additional information on this and other AVANTech products and services, please contact us at the office nearest you or at our web site.

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