



# LEDCOR ENVIRONMENTAL SOLUTIONS

## INDUSTRIAL ELECTROCOAGULATION WASTEWATER TREATMENT UNIT

Electrocoagulation (EC) is a water treatment process whereby an electric current is applied across metal plates to remove various contaminants from water. The industry-leading EC system removes a wide variety of contaminants in water from mine sites, oil & gas disposal sites, and food processing plants.

### Treatment Advantages

- Non-selective process is effective on a wide variety of contaminants
- Subtractive treatment does not require chemicals or polymers
- Ideal pre-treatment for downstream polishing technologies
- Sludge production can be 30-70% less than conventional chemical processes
- Systems include industry-leading power rectification, automation control, and water quality monitoring powered by WaterTectonics

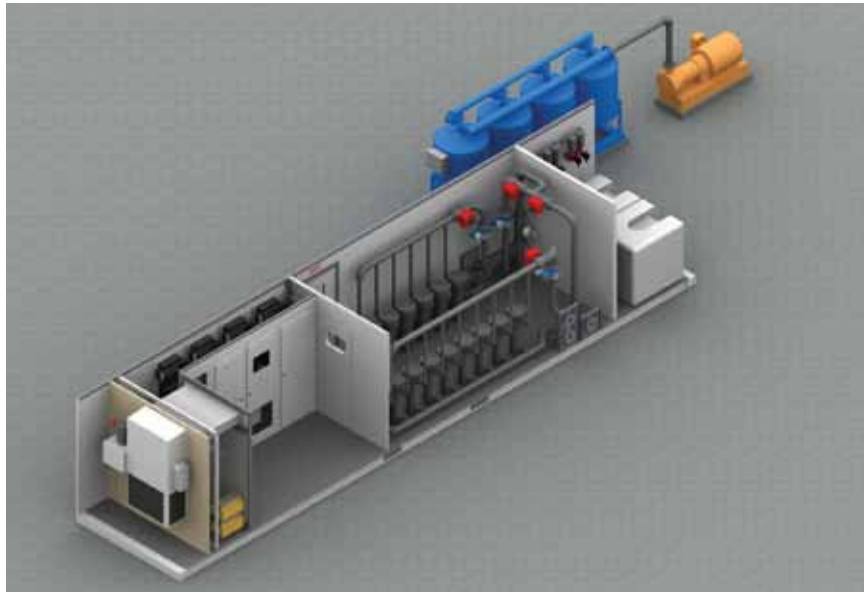
### System Specifications

- Pre-engineered systems can be delivered packaged, weatherized, and mobile
- Scalable designs from 225m<sup>3</sup>/hr up to 3,500+m<sup>3</sup>/hr
- UL rated systems can also be configured for Class 1 Div 2 or CSA requirements

Parameter	Units	Influent	Effluent
Total Suspended Solids	mg/L	1,300	< 5
Turbidity	NTU	> 1,000	1.14
Aluminum, Total	µg/L	28,000	210
Chromium, Total	µg/L	2,600	< 7
Copper, Total	µg/L	6,200	6.9
Iron, Total	µg/L	58,000	78
Lead, Total	µg/L	270	< 10
Zinc, Total	µg/L	18,000	56
Total Petroleum Hydrocarbons	mg/L	84	0.13
Biological Oxygen Demand	mg/L	1,200	90
E. coli	CFU/100mL	37,000	< 100

*Data shown reflects discrete influent and effluent analytical events. Information on additional analytes, including radionuclides, is available upon request.*

## ELECTROCOAGULATION TREATMENT SYSTEM



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