Electrocoagulation

Water Recovery and Reuse

Pressure Washers/Steam

Industry Applications

Car and truck wash operations, aircraft cleaning, cleaning of small parts/equipment, and cleaning of house, deck, and commercial buildings

Challenges

- Wash water contains heavy metals, oils, grease, and suspended solids.
- Wash water is considered a hazardous waste, is no longer permitted to go down storm water drains, and incurs additional disposal costs.

Solution

Electrocoagulation

- Separates and removes surfactants, heavy metals, oils, grease, and suspended solids
- Allows water reuse and avoids waste water discharge
- Meets EPA compliance for discharge permits
- Separates and filters contaminants so they can be dumped into a sanitary landfill
- No hazardous waste or associated disposal costs

Heavy Metal Contaminant	**Before mg/l**	**After mg/l**	**Removal Rate %***
Arsenic	0.076	ND <0.01	97
Barium	8	ND <0.1	99+
Cadmium	0.125	ND <0.1	96
Chromium	139	0.05	99+
Cobalt	0.12	ND <0.02	82
Copper	0.8	ND <0.02	99+
Lead	0.59	0.003	99+
Mercury	0.72	ND <0.003	98
Molybdenum	0.35	0.029	91
Nickel	183	<0.07	99+
Vanadium	0.26	ND <0.002	99+
Zinc	221	0.14	99+
Oil & Grease Contaminant			**Removal Rate %***
FOG (fats, oils, & grease)			93-99%+
Suspended Solids Contaminant			**Removal Rate %***
TSS (dirt, silt, silica, etc.)			99.0%+

*These published test results are specific examples and were conducted by a qualified independent laboratory or government facility.