

Electrocoagulation

Water Recovery and Reuse

Commercial Laundries

Industry Applications

Commercial laundry, dry cleaners, cruise ships, hotels, government facilities, hospitals, prisons, military bases and navel fleets, facilities in apartment buildings and condos.

Challenges:

- Water discharge liabilities
- Cost of make-up water
- Textile dyes, bacteria, heavy metals, oil, and grease in wastewater
- Rinse water disposal and discharge costs and environmental concerns
- Cost of reheating make-up water

Solution:

Electrocoagulation:

- Heavy metals, oil, and grease are separated from the water during the reclamation process in an environmentally-safe oxide form
- Solids can be disposed of in the dumpster with the lint and paper trash
- Laundry capacity can be increased 3x using the same amount of fresh water
- Cost of water disposal and possible fines for contaminant's in water going to the sewer are eliminated
- Reclaimed wash and rinse water saves the cost of purchasing fresh water, soap, heat, and sewer

Contaminant	Removal Rate %*
Suspended Solids	85-99+
Oil and Grease	93-99+
Total Organic Carbon	96-99+
Biochemical Oxygen Demand	32-99+
Metal ions in concentration less than 100 mg/l	96-99+
Bacteria (fecal coliform)	98-99+
Textile dye	98-99+
Pesticides	93-99+

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

+ 30% moisture coal was heated to drive off the moisture. The moisture condensate was then electrocoagulated.

