

RM-10® Clay-Based Wastewater Treatment Flocculant

RM-10® provides an economical and environmentally sound solution to your wastewater problems.

Sample Analysis from General Industrial Application

Parameter (mg/l)	Untreated	After Treatment and Filtration
Appearance	Cloudy, gray	Clear, colorless
Suspended Solids	>3,840	<3
Oil & Grease	45	<3
Cadmium	0.02	<0.005
Chromium	22.6	<0.005
Copper	0.99	0.02
Lead	0.13	<0.02
Nickel	11.9	0.02
Zinc	1.23	0.01

RM-10 is a proprietary blend of clay minerals, polymers and pH adjusting agents, which allow one-step entrapment of emulsified oils and dissolved metals from various waste streams. Our system offers a simple alternative to the cost of hauling wastewater to be treated off-site, while ensuring that treated effluent will meet Publicly Owned Treatment Works (POTW) discharge limits established by local and state authorities.

RM-10 Removes Contaminants from Industrial Wastewaters

CETCO Oilfield Services has been the industry leader in clay-based flocculants and for over 30 years has provided the trusted line of RM-10 products to remove the following contaminants from waste streams:

- Heavy Metals
- Oils and Grease
- Suspended Solids

CETCO Oilfield Services has many products in granular, semi-granular, and powdered varieties formulated to treat a vast array of industrial wastewaters. Industrial wastewaters include, but are not limited to, the following:

- Adhesives
- Ceramic Slurry Treatment
- Circuit Board Manufacturing
- Coolants
- Die-Casting
- Dye Penetrants
- Fats, Oil & Grease Removal Including Waste Machine Oil Coolant
- Filter Press Systems
- Floor Scrubber/Mop Water
- Food Processing
- Heavy Metals Removal from Wastewater
- Metal Finishing
- Municipal
- Paints, Inks & Dyes
- Parts Washing
- Printing
- Reuse of Corrugated Water for Starch Makeup
- Sludge Thickening and Conditioning – DAF (Dissolved Air Flotation)
- Steam Cleaning
- Steel Production
- Tank Washing
- Vacuum Drum System
- Vibratory De-Burring

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How RM-10® Treatment Works

1. Chemical components adjust the pH of the water which enhances the precipitation of metals and breaks oil emulsions.
2. Bentonite clay particles attract and encapsulate precipitated metallic ions.
3. The polymeric portion of the formulation attracts remaining oils and suspended solids and forms a floc, which settles to the bottom of the treatment vessel.
4. The bentonite clay and polymer work together to create a strong filterable floc, which will encapsulate and contain heavy metals while allowing the floc to readily release water resulting in a drier sludge cake.

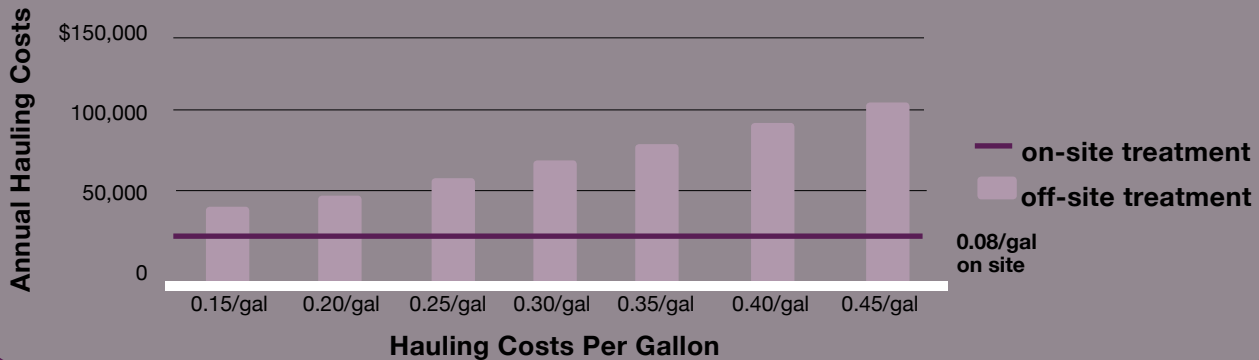
The entire process is completed in just a few minutes, resulting in clear water that can be discharged directly to a POTW or recycled. The sludge and its encapsulated contaminants are highly resistant to leaching and can be generally disposed of as a non-hazardous waste.

Lower Overall Disposal Costs...Treat On-Site

Hauling liquid waste can be an expensive disposal option and expose your organization to extended liabilities. As the original generator, you are responsible for ensuring all liquid waste hauled off-site is properly treated and that solids and effluent are being disposed of in accordance to local, state, and federal guidelines. By treating wastewaters on-site, the generator is assured that the solids and effluent are being disposed of properly while controlling disposal costs.

The price per gallon for hauling waste for off-site disposal will vary. The following information details annual cost for 250,000 gallons hauled at cost of \$0.15-\$0.45 cents per gallon.

On-Site vs. Off-Site Wastewater Treatment



The information and data contained herein are believed to be accurate and reliable. CETCO OILFIELD SERVICES COMPANY makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information. REV 5/08

