

RM-10[®] flocculants help tubing company treat heavy metals and remove oil and grease

When a copper tubing manufacturing facility changed its production portfolio from tech tubing to plumbing tubing, they began generating more oil and grease. RM-10 flocculants produced a non-leachable sludge that could be hauled off as non-hazardous waste.



PROJECT DETAILS

Copper tubing manufacturing plant

LOCATION

North America

PRODUCTS USED

RM-10 flocculants

CHALLENGE:

A copper tubing manufacturing plant changed its production portfolio from the tech tubing to plumbing tubing, and as a result, began generating more oil and grease in their production process. They were faced with treating 45 to 60 gallons of fluid per minute from the production rinse area with varying levels of contaminants, such as heavy metals and oil and grease.

CETCO SOLUTION:

The manufacturer's recognition of municipal and state wastewater quality requirements led them to contact CETCO for support. CETCO leveraged its third-party network of representatives, garnering technical support from Applied Chemical Systems, and applied its own extensive experience in specialty chemical applications for industrial environments to find a solution. Automated dosing equipment was installed and CETCO's proprietary RM-10 flocculant treatment was administered at regular intervals.

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RESULTS:

The automated application of RM-10 flocculants allowed maintenance personnel to focus on production. Meanwhile, the treatment itself tied up and encapsulated heavy metals, as well as oil and grease, without additional conditioning—leaving a non-leachable sludge to be hauled off as a non-hazardous waste.

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