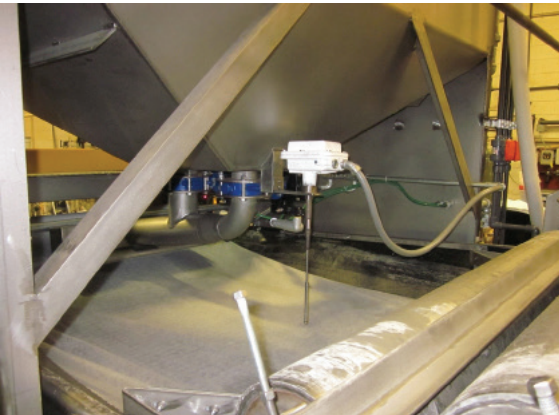


# Single RM-10<sup>®</sup> Flocculant Formula Effectively Treats Multiple Waste Streams

With as many as five different waste streams, the manufacturer was finding it difficult to treat all wastewater simultaneously. Thanks to the versatility of RM-10 flocculants, one formula was able to be used on all treatment schemes by simply modifying the dose.



### PROJECT DETAILS

Electrical Parts Manufacturer

### LOCATION

Cleveland, Tennessee, USA

### PRODUCTS USED

RM-10<sup>®</sup> flocculants

### CHALLENGE:

With as many as five different waste streams in the plant, it was nearly impossible and improbable for the existing waste treatment system and chemistry to handle all of the different streams. Using conventional waste treatment methods and chemistry, the manufacturer was only able to treat at a rate of around two to three gallons per minute. This was for the normal rinse waters used in the phosphate wash. The amount of waste generated per day consumed all of the time for the existing system.

Other waste streams included the E-Coat paint line, Tank 1, two tanks from the phosphate wash, and the oily water collected from around the plant and underneath the stamping presses. Prior to the RM-10 flocculant treatment chemistry, the other wastes were either drummed up and hauled off, or sucked out by a vacuum truck and hauled off for treatment.

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### **CETCO SOLUTION:**

With the versatility of the RM-10 flocculant chemistry along with the new waste treatment equipment, CETCO was able to achieve separated treatment schemes for each of the waters. By simply using the same chemicals in different dosages, the waste could be treated for reuse or discharged to the city.

### **RESULTS:**

With the ability to treat independent batches, they no longer had to worry about variations in the waste stream. One RM-10 flocculant formula was able to successfully treat all of the different waste streams. The versatility of the batch treatment allowed the manufacturer to treat with different treatment schemes for each type of water by simply modifying the chemical dosages.

As a result, the need for costly haul-offs of wastewater was eliminated, saving the manufacturer considerable time and money.

cetco@mineralstech.com | cetco.com | 800.527.9948

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