



Significant Savings Offered by Oily Wastewater Demulsifiers

Problem

A West Coast metal stamping company generated an oily water stream in the degreasing/washing process. Disposal cost quoted for this 3000 ppm oil and grease stream was \$0.70 pr gallon.

Solution

ECA* 11 was tested in the lab and found to give an immediate break of the caustic emulsion without any pH adjustment.

The wastewater, generated at 120°F, had a pH of around 10. 2500 ppm of ECA 11 gave clear, colorless water. The bottom floc layer compacted readily.

Results

The client now treats the oil water by adding 2.5 gallons of ECA 11 per 1000 gallons of emulsion. After mixing for a few minutes, the flocculated stream is allowed to settle.

After overnight settling, the clear water, analyzing at less than 50 ppm oil & grease, is drained to the sewer. The floc layer compacts to around 2.5% by volume and is removed for disposal.

Treatment cost, including floc disposal, is less than 5 cents per gallon.

**Trademark of Emulsions Control, Inc.*