



Wide Spectrum Water Demulsifier for Reclaimer's Wastewater

Problem

A Treatment & Disposal facility in the West collected wastewaters from over 50 generators, including metal-working companies, automotive facilities and the military.

A single chemical was needed to handle the expected variations in oil and metal content, pH, suspended solids, etc...

Solution

ECA* 12 was tested on various samples from holding tanks, and was found to perform in every case. At a concentration range of 500-2000 ppm, and when followed by pH adjustment to ~9, floc growth and settling were rapid, and the resultant waters exceptionally clear. Treated water color varied from pale yellow to pale green.

Results

The customer now treats incoming wastewaters by allowing adequate settling for free oil removal, then mixing in ECA 12 at 1-2 gallons per 1000 gallons, followed by caustic soda, en route to a cone-bottom tank.

Overnight, floc volume is initially around 10%. However! The floc settles further and releases more free water; ultimately floc volume reduced to as little as 2-3%. Both filtration and filter-pressing are then used to produce a dry cake for disposal. The clarified water is filtered then stored in a large tank, ready for discharge or use in dust control.

**Trademark of Emulsions Control, Inc.*

Emulsions Control, Inc. 2300 Tidelands Ave; National City, CA 91950; Tel (619) 656-8899/98; Fax (619) 477-7147
Eci-info@emulsionsonline.com