



# 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 usually around 10%. The clarified water is filtered then stored in a large tank, ready for discharge or use in dust control. The small volume of floc is accumulated for dewatering and disposal.

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