

## Webitat Case Study

### Gulf Coast Oil Refinery

The higher acid content in crude produced from hydraulic fracturing requires oil refineries to increase use of nitrogen-containing corrosion inhibitors. This makes it more challenging for the wastewater treatment systems to meet effluent ammonia limits

An oil refinery on the Gulf Coast was experiencing repeated ammonia excursions requiring storage and reprocessing of wastewater at considerable expense. Entex installed 4 Webitat modules in the 360,000 gpd treatment plant, resulting in a dramatic improvement in nitrification even in the changing and challenging refinery application. Ammonia limits have been met consistently for the last two years.



#### Application

360,000 gpd oil refinery wastewater treatment.

#### Entex Solution

Four Webitat retrofit into system without shutdown or dewatering.

#### Results

Ammonia excursions eliminated. Ammonia concentrations consistently below 5 mg/L.

