



CASE HISTORY

Complete decontamination of over 62,000 ppm H₂S in an SRU Sour Water Sump utilizing FQE® H₂S Scavenger decreases outage time by over 95% in large Texas petroleum refinery



Results Achieved

Complete elimination of hydrogen sulfide level

Over 95% reduction in outage time

No personnel exposure to hazardous materials

Chemicals Utilized

FQE® H₂S Scavenger

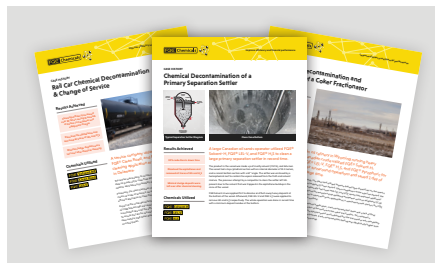
A large petroleum refinery in Texas used our hydrogen sulfide abatement product, FQE H₂S Scavenger, to decontaminate the sour water sump of the sulfur recovery unit (SRU).

The initial H₂S readings from the sour water sump exceeded 62,000 ppm (6.2%). A 10% FQE H₂S Scavenger mixture in water was prepared and added to a vacuum truck. The sump contents were vacuumed into the truck containing the FQE H₂S Scavenger. The truck contents were sampled five minutes later with the H₂S being reported at 0 ppm. A 10% solution of FQE H₂S Scavenger was added to the sour water sump to treat the solids within. The liquid was circulated for 10 minutes and then sampled. There was 0 ppm hydrogen sulfide detected in the sump solids. They were disposed in the plant without an H₂S release.

Typically, this process is conducted by the slow addition of a strong oxidizing liquid over a 2-3 day period of time, resulting in extra time and additional disposal considerations being required.



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Case Histories

Access a wide range of case histories to learn about the variety of applications our chemicals are utilized for.

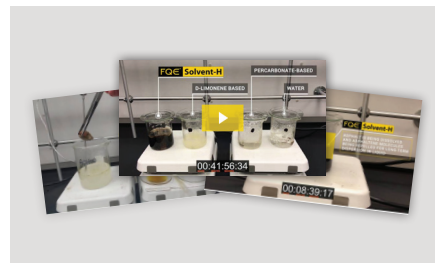
fqechemicals.com/case-histories



White Papers

Our white papers provide deep insights into industry problems and how our innovative chemical products solve them.

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Video Library

View videos from our lab where we have tested a range of client samples to show how effective our chemicals are.

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