



CASE HISTORY

A sour crude oil storage tank was cleaned using FQE[®] Solvent-H and FQE LEL-V resulting in H₂S reductions from over 100 ppm to non-detectable levels

Project Overview	
Tank Size	190 ft. (58 m) diameter
Tank Design	External floating roof
Service	Crude Oil Sour
Sludge Volume	7,480 barrels (1,189 m ³)
% Oil Recovered	96.5%
Time Required	3 weeks



Results Achieved

H₂S levels reduced from over 100 ppm to non-detectable

No manhours required inside the vessel

A large petroleum refinery in the United States cleaned a sour crude oil storage tank using FQE Solvent-H and FQE LEL-V.

The detectable hydrogen sulfide levels were over 100 ppm prior to the introduction of the chemicals and were reduced to non-detectable levels upon completion. The project was performed on the exterior of the vessel by introducing the selected chemicals through a proprietary nozzle and pumping system designed to insure the bottoms agitation. Nozzles were then installed on the external floating roof and through the tank side manways, therefore no manhours were required inside the vessel.

Chemicals Utilized

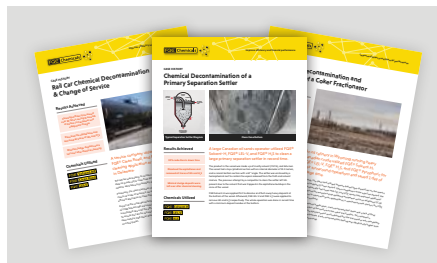
FQE Solvent-H

FQE LEL-V

The recovered oil was then processed to the plant coker unit, and the wastewater from the cleaning process was approved for disposal on-site at the wastewater treatment plant. The tank was approved by maintenance staff for a change of service.



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Contact us

Head Office

Deer Park, Texas

4820 Railroad Street
Deer Park, Texas 77536

+1 (281) 476-9249

Calgary, Alberta

Suncor Energy Centre, West Tower
#5100 – 150 6th Ave SW
Calgary, Alberta T2P 3Y7

+1 (403) 538-3050

Perth, Western Australia

14 Cocos Drive
Bibra Lake, Perth, WA 6163

Office: 08 9434 3919

Intl: +61 8 9434 3919