



**CASE HISTORY**

**Steam time to degas Oil Sands Refinery process equipment in Western Alberta was reduced by 10 hours by using FQE® LEL-V over a competitor's products**



**Results Achieved**

Benzene levels tested after the degassing process = 0.4 ppm

Steam time reduced by 10 hours vs. the competitor's product

**Chemicals Utilized**

**FQE LEL-V**

A Western Alberta Canadian Oil Sands Refinery had used a competitive product to degas various process equipment. Remaining benzene vapors in this hydrotreater after a degassing treatment with this product was a problem.

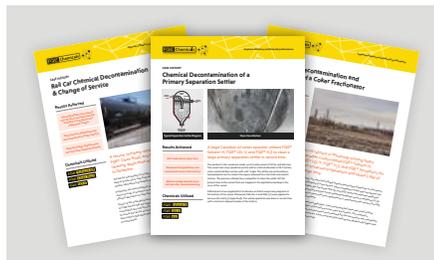
The targeted level of tested benzene to achieve in the degassing process was *less than 10 ppm benzene*. During the shutdown, the plant planned on degassing this hydrotreater, but decided to try and steam out the surge drum on the hydrotreater unit using our FQE LEL-V chemistry while steaming out the remainder of the hydrotreater plant with the previously used competitor's chemistry. The surge drum was picked to test FQE LEL-V degassing chemistry because this was felt as the source of the worst benzene contamination.

**Results:** The steam process time was 8 hours with FQE LEL-V compared to 18 hours with the competitor's products.

| Benzene Levels Tested After the Degassing Processes: |          |
|--|----------|
| FQE LEL-V Chemistry                                  | 0.4 ppm  |
| Competitor's Surfactant Enzyme Based Product         | 25.0 ppm |



Visit our website to access technical bulletins, white papers, videos and our extensive library of case histories.



### Case Histories

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

[fqchemicals.com/case-histories](http://fqchemicals.com/case-histories)



### White Papers

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

[fqchemicals.com/resources](http://fqchemicals.com/resources)



### Video Library

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

[fqchemicals.com/videos](http://fqchemicals.com/videos)

## 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 6<sup>th</sup> 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