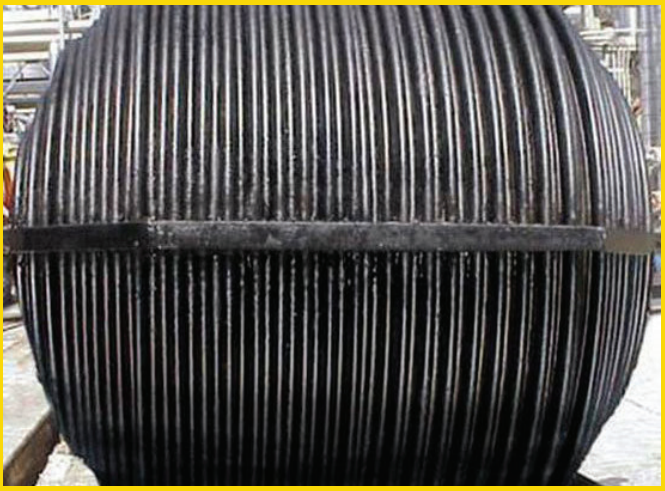
FQE® Chemicals

Improve efficiency and financial performance

CASE HISTORY

Refinery saves $140,000 in maintenance costs and gains $1 million in production revenue when using FQE® Solvent-H to decontaminate heat exchanger bundles

Propane deasphalter heat exchanger bundle following **competitive cleaning process**.



Propane deasphalter heat exchanger bundle following **FQE Chemicals cleaning process**. Post-cleaning inspection.

Results Achieved

- 76% reduction in down time
- Over $1,000,000 in additional production revenue
- Over $140,000 in maintenance cost savings
- Better ΔTs, cleaner equipment

Chemicals Utilized

FQE® Solvent-H

A large petroleum refinery in Texas used FQE Solvent-H to decontaminate and clean the heat exchangers in the deasphalter unit.

The heat exchangers were typically cleaned of their asphaltene build-up by removing the bundle and performing high pressure water blasting, taking up to 21 days per exchanger bank. Chemical cleaning had been tried repeatedly with no previous success.

The exchangers were cleaned using a 20% solution of FQE Solvent-H in a cutter stock, which was circulated on-line for 36 hours at 93°C (200°F). This process took a total of 5 days.

Upon completion of the chemical clean, the exchangers were brought back on-line at full rates with better temperature differentials than previously seem post high pressure water blasting. This successful chemical clean saved the refinery over $140,000 in maintenance costs and an additional 16 days in production time resulting in over $1,000,000 in additional revenue.

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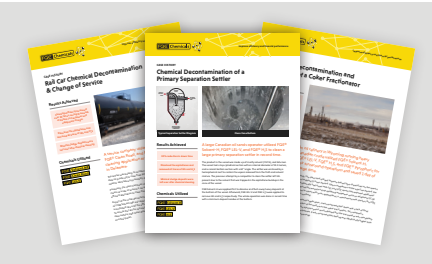
Visit our website to access technical bulletins, white papers, videos and our extensive library of case histories.



Case Histories

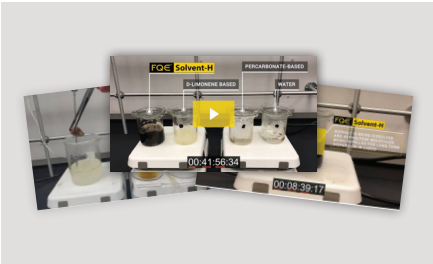
Access a wide range of case histories to learn about the variety of applications our chemicals are utilized for.

fqechemicals.com/case-histories

White Papers

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

fqechemicals.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.

fqechemicals.com/videos

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