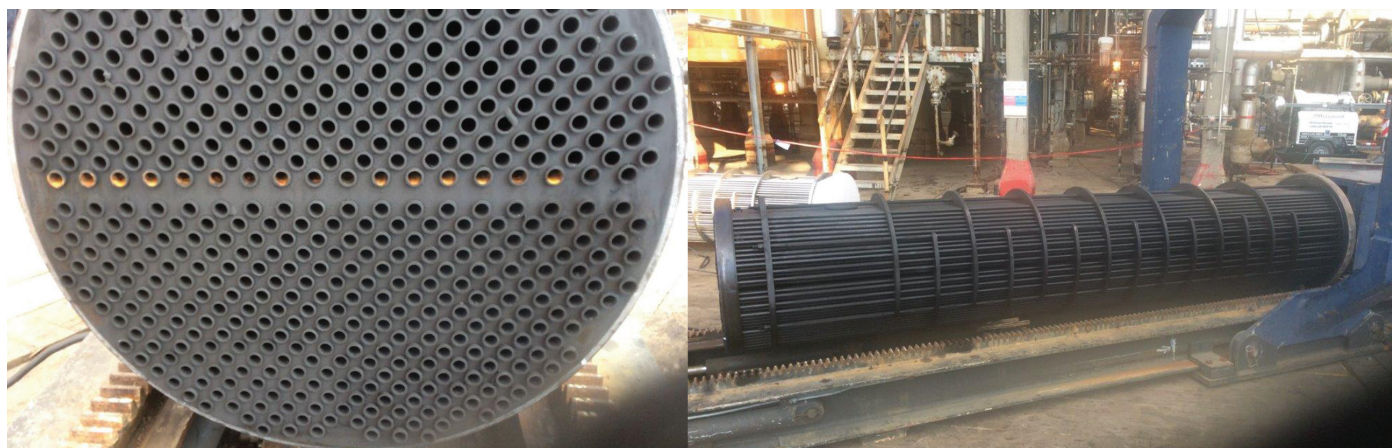




CASE HISTORY

Heat exchangers decontaminated after being forced offline by a hurricane reducing mechanical outage time by 75% utilizing FQE® Solvent-H



Results Achieved

Mechanical outage time
reduced by 75%

Saved thousands of dollars
in cleaning costs

Heat exchangers successfully
decontaminated of heavy
asphaltenic resid, allowing for
inspection and maintenance

Chemicals Utilized

FQE Solvent-H

August 2017 was witness to one of the largest hurricanes to make landfall in the United States in more than a decade.

One of the prevalent oil refineries in the Gulf Coast undertook a controlled shutdown amongst fears of flooding and to minimize operations to essential personnel only.

Once weather related fears were abated, the facility was required to bring equipment back online as quickly as possible. FQE Solvent-H was used on two heat exchangers; both running flash crude and vacuum resid. The pre-heat temperature prior to injection was 240°F - 300°F (116°C - 149°C). The heat exchanger tubes were vapor phased for 30-40 minutes, and the shell side was done in 35-45 minutes.

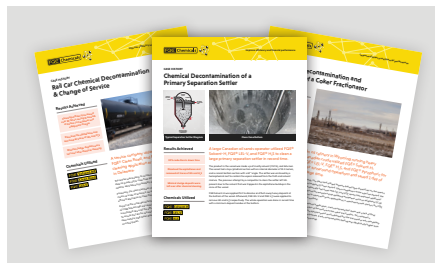
The project was deemed completed within two to three hours. Due to the success of the decontamination process, the tubes could be extracted easily. Post circulation hydro-blasting was also rendered unnecessary as the FQE Solvent-H circulation removed all heavy deposits.

Quote from the operations staff:

"This is the cleanest we have ever seen these exchangers."



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.

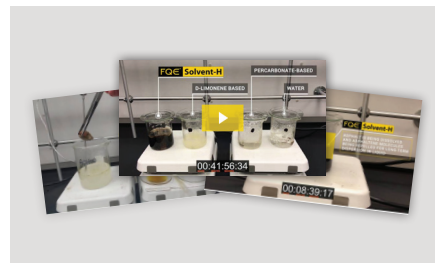
fqechemicals.com/case-histories



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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