

QuikTurn®

Strategic Chemistry®

REDUCING TURNAROUND TIME - FCCU UNIT

THE CHALLENGE

The refinery wanted the tower as clean as possible so tower maintenance could begin immediately in an oil-free environment. In addition to the FCCU Main Fractionator Tower (25ft x 116 ft), this refinery needed 8 overhead exchangers, a clarified oil stripper and an overhead distillate drum cleaned simultaneously. In addition, the furnace Fuel Gas Lines were to be cleaned

Due to scheduled maintenance inside the tower, Refined Technologies was given a small window (< 24 hours) within which to complete the cleaning. This benchmark could only be accomplished through the use of the Refined Technologies, patented chemistry and Vaporganic® cleaning process.

THE SOLUTION

Refined Technologies' patented QuikTurn technology and Vaporganic cleaning process was chosen as the preferred method for degassing and degreasing during this major FCCU shutdown.

Historically, it had taken 5 to 7 days to gain entry into the distillate drum alone due to high benzene and H2S readings. This time entry was achieved into all the vessels in 12 hours without delay.

After pulling two of the overhead condensers and evaluating their cleanliness, the other six were left in place saving valuable time and maintenance costs.



THE RESULTS

"I looked through the bottom man way and didn't see anything but bare metal. Last time it was cleaned we had three to four feet of sludge in it." by ML

"The tower didn't look this good when it was new." by BG

"Entry was quickly gained and the vessels were cleaner than I have ever seen before. Refined Technologies will definitely be part of my next turnaround." by TS

In addition, the customer summarized:

- No wastewater issues occurred
- No safety issues occurred
- Refined Technologies' representatives were knowledgeable and cooperative
- Refined Technologies' product and process performed as promised

THE QUIKTURN ADVANTAGE

Refineries are using Refined Technologies' products and services to gain a strategic advantage in the marketplace. This application is another example of how refineries are restoring the operating performance of their equipment while lessening the burden on maintenance crews.

In your daily operations meetings, we encourage you to consider Strategic Chemistry®: the timely use of chemistry and planning, engineered to improve operating margins.



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