

Fluid Catalytic Cracking Sampling

Background

As permit limits tighten, companies in the petroleum sector look for ways to more accurately measure emissions. In this case, a facility was running up against stringent filterable particulate matter (FPM) and condensable particulate matter (CPM) limits and was having difficulty meeting their permit limits.

CleanAir's Approach

CleanAir worked with the appropriate state and federal regulatory agencies to come up with a strategy for sampling that utilized modified versions of approved test methods. This included applying three-dimensional flow analysis to FPM and CPM results.

Results

The modified testing approach led to greater accuracy in the measurements, reduced the overall emissions in an approved fashion, and allowed the owner to operate within the requirements of their current permit.

Summary

Modified testing approach for sampling a fluid catalytic cracking unit (FCCU).

