

CETCO

ENERGY SERVICES

A Minerals Technologies Company

SUCCESS STORY

ORCA™ Objective Root Cause Analysis

CLEAR SOLUTIONS

for complex fluids

CETCO's analysis discovered the customer's chemical treatment plan was causing solids formation



CHALLENGE

- Non-compliant discharge, excursions



SOLUTION

- Advanced analysis with extensive experience



RESULTS

- Improved water quality and reduced chemical treatment costs

CETCO's analysis discovered the customer's chemical treatment plan was causing solids formation

CHALLENGE

A Customer's production system was in a critical state with high average Oil-in-Water (OIW) throughout its process trains. Water break-out was not being achieved as expected in the second stage separator.

CETCO SOLUTION

CETCO Energy Services (CETCO), provided desktop and on-site analysis, focusing primarily on (1) the flotation unit and closed drain system, (2) overall process flow architecture, and (3) an assessment of the Customer's chemical treatment program. The ORCA™ Objective Root Cause Analysis study discovered a previously-unknown solids issue occurring in the system. Using Minerals Technologies' state-of-the-art labs, CETCO determined that the solids were being generated as the result of chemical over-treatment.

RESULTS

The Customer was able to resolve the issue and reduce their chemical treatment by more than 66%, generating a substantial savings in operating cost that essentially paid for the ORCA™ analysis several times over.

