



Case History: Test & Treat



CETCO Oilfield Services' Process and Equipment Treat Hydrostatic Test Water

A pipeline company in Iowa conducted a hydrostatic test of its pipeline, producing 39,000 barrels of fluid for treatment. The hydrostatic test water was to be discharged in accordance with a National Pollutant Discharge Elimination System (NPDES) permit. The permit required that discharge of the treated test water could not exceed a period of 14 days from the date the test was conducted. The water had to meet the following requirements:

Permit Requirements

Parameter	Monthly Average	Daily Maximum
COD	50 ppm	100 ppm
Oil & Grease	10 ppm	15 ppm
Benzene	-	5 ppb
BTEX	-	100 ppb
pH	-	6-9

Fluid was pumped directly from the pipeline to CETCO's onsite equipment at a rate of approximately 4 barrels per minute. CETCO operators continuously monitored the treated water to ensure that all discharge criteria were met. The project was completed in just seven days, with 39,000 barrels of water being treated.

Results

The following table illustrates the effectiveness of CETCO's process:

Parameter	Influent	Effluent
COD	87 ppm	<15 ppm
Oil & Grease	22 ppm	<1 ppm
Benzene	321 ppb	<2 ppb
Ethyl Benzene	<5 ppb	<2 ppb
Toulene	358 ppb	<2 ppb
Xylenes	311 ppb	<3 ppb
Total BTEX	990 ppb	<7 ppb
pH	-	7

WATER TREATMENT | PIPELINE | WELL TESTING | WASTEWATER | RENTALS | NITROGEN | REELED TUBING



CETCO
OILFIELD
SERVICES

New Orleans, Louisiana 504.636.3500
Broussard, Louisiana 800.432.0054
Houston, Texas 281.578.8911

cetcooilfieldservices.com