

HYDROCARBON LOSS CONTROL ENERGY SECTOR CASE STUDY



One of the largest refineries in the US engaged Trident to improve their hydrocarbon loss control performance with a focus on custody transfer and inventory measurement assurance programs.

73%

**REDUCTION IN
WEEKLY METER LOSS**

\$8,600,000

ANNUALIZED SAVINGS

50%

**REDUCTION IN
SEDIMENT AND WATER
VARIANCE**

HOW WE MADE IT HAPPEN

Improved meter measurement accuracy

- Developed and installed comprehensive meter proving witnessing program with witnessing checklists to increase accuracy of meter measurements
- Installed meter factor control charts for all custody transfer meters to monitor meter factor trends and performance
- Developed enhanced proving schedules to support efficient witnessing program and adopt industry best practices
- Implemented meter measurement error claim escalation process to reconcile meter measurement inaccuracies with third parties

Tank gauging inventory program

- Installed tighter manual to automatic gauge deviation tolerance limits as per API guidelines for all inventory tanks to increase accuracy of month-end inventory
- Revised tank gauging schedule and monitor adherence to maximize inventory accuracy

- Trained operators to conduct gauging as per API standards, perform regular supervisor-led toolbox talks and conduct regular compliance audits

Sediment and water reconciliation program

- Implemented comprehensive sediment and water sampling and test witnessing program with detailed witnessing checklist following American Petroleum Institute (API) guidelines
- Developed and installed program to conduct structured audits of third-party measurement procedures and investigate any result discrepancies which were then escalated to third party pipelines
- Tracked variances between ticket and lab sediment and water results and documented investigation of out of tolerance variances
- Communicated measurement best practices to drive consistency with third parties and facilitate implementation of industry best practices in refinery's future contracts

"The Trident team came in and delivered what was promised. Your consultants worked side by side with our accounting, maintenance, instrumentation and loss control specialists to develop and enhance loss control practices/ expertise and willingly shared their industry knowledge and expertise to our people."

WE'RE HERE TO MAKE IT HAPPEN™.
CONTACT US TODAY AT info@trident.com.

-Division Controller