

APPLICATION: Truck Loading and Additive Injection/Metering at Propane Rack**PROBLEM:**

Precise measurement and control of propane and additive mercaptan while loading trucks.
"Turbine meters took a beating from product flashing and mercaptan injectors were always leaking resulting in an unpleasant odor at the rack. Huge billing errors were reported with extended downtime due to meter problems"

EQUIPMENT:

Micro Motion CMF300 (2 units), D006 (2 units), RFT9739 (4) and PetroCount SMS (2 units).

BENEFITS:

- Increased accuracy and reliability in metering dry, light hydrocarbon product (propane).
- Precise metering and control for injection/metering of small doses of mercaptan by Coriolis meters.
- Coriolis additive meter eliminates all of the fittings (i.e leak paths) associated with conventional injectors. Coriolis meter and zero emission bellow seal valves provide a zero emission odorant injection system for mercaptan.
- Reliable and best cost containment system for mercaptan - Significant because of close monitoring by environmental and safety authorities.
- PetroCount provides increased accountability of propane and mercaptan.
- Integrated bill of lading of propane and mercaptan eliminates costs of automation system.
- Reduction in billing errors - Customer expects to eliminate the weighbridge which has always been a source of errors and is difficult to calibrate.
- Remote modem support of PetroCount units provide real-time operation during initial start-up and maintenance.
- Higher flowrate turndown (20:1) with consistent repeatability and accuracy ($\pm 0.1\%$).

CUSTOMER:

Large refinery in Eastern United States

SUBMITTED BY:

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