

APPLICATION: Asphalt Loading/Blending System

PROBLEM:

Lack of precise blending control and loading of asphalt onto trucks. Weigh scales were not providing accurate measurement for loading. Proper injection of anti-stripping additive while loading was also required.

EQUIPMENT:

Two skids with each having:

- Three 3" Micro Motion CMF300 Elite Series Coriolis Sensors
- One 2" Micro Motion CMF200 Elite Series Coriolis Sensor
- One 1/2" Micro Motion CMF050 Elite Series Coriolis Sensor
- Five Micro Motion RFT9739 Transmitters
- One Fisher-Rosemount Petroleum PetroCount™ RMS Ratio Management System
- Four Fisher V150 series Rotary Control Valves with solenoids



BENEFITS:

- Through the PetroCount RMS Ratio Blend Unit, precise blend recipe control is achieved by using flow rate feedback from the Coriolis Sensors to automatically adjust the Fisher Control Valves. This process insures a precise on-spec product at any point during the delivery process.
- Flexibility to select different blends using multiple recipe selection. The PetroCount will store up to 50 user configurable blend recipes that are keypad selectable.
- Using the Micro Motion Coriolis Sensors will allow the user to load his product by mass, thereby assuring the drivers of maximum capacity without fear of being penalized for exceeding load weight restrictions by Department of Transportation (DOT).
- Low cost of ownership through the use of the Coriolis Sensors has resulted in the elimination of an expensive, inaccurate and maintenance-intensive truck scale.
- Accurate additive metering and control by the PetroCount in conjunction with the CMF050 assured the final product be injected as required.
- The system is approved for custody transfer by Weights & Measures in Texas.

CUSTOMER:

Major Integrated Company's Asphalt Division in North Texas, USA

SUBMITTED BY:

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