

Alliance Pipeline Ensures Data Integrity with FLOWCAL



Alliance Pipeline is a joint venture of Enbridge and Pembina Pipeline Corporation with headquarters located in Calgary, Alberta. Alliance Pipeline is an integrated Canadian and U.S. natural gas transmission pipeline that delivers natural gas from the Western Canadian Sedimentary Basin and the U.S. Bakken to the Chicago market hub. The system has been in operation since December 2000 and delivers an average of 1.6 billion cubic feet of natural gas per day.

The Challenge

As non-traditional gas supplies have made gas quality management more urgent and more difficult, Alliance is focusing considerable attention on measuring gas composition for custody transfer, tariff enforcement, pipeline operation, and system integrity. The company is a strong proponent of ultrasonic flow measurement, Coriolis force NGL meters, gas chromatography and electronic flow computers. In addition to real-time SCADA data, Alliance generates 15-minute flow history and full audit trails, all collected multiple times each day. Unlike most users, Alliance gathers diagnostic data from ultrasonic meters and four-minute gas chromatograph data from the GCs.

The Solution

Through daily validation, Alliance can promptly detect and respond to anomalies. The company monitors the long-term stability by applying statistical methods to measurement data, including LUAF. With commercial expectations rising quickly in terms of measurement reliability and timeliness, Alliance relies strongly on its measurement system. FLOWCAL by Quorum Software provides a unified system for validation routines, quality management and reporting to ensure measuring integrity.

What the Client Says

“ We feel FLOWCAL will help us meet growing demands for timely, reliable natural gas and NGL measurement ”

- Art Heinrichs
Alliance Pipeline Measurement



Quorum Software powers growth and profitability for energy businesses by connecting people, workflows, and systems with decision-ready data.

For more information or to request a demo, visit quorumsoftware.com or email info@quorumsoftware.com.