Warren Rogers Background and Customers

1979 Formed (API Corrosion Study)
1982 Developed SIRA
1990 Use of SIRA as a Certified Monitoring Alternative
1996 SIRA Concepts Integrated Into Hardware
2004 CITLDS Continual Reconciliation Certification
2009 Advanced Flow Diagnostics
2014 Advanced Delivery Audit
2016 PCI 3.1 and Data Security Initiatives
Continuous ATGS Methods (CITLDS)

- ATGS Collects Probe Data Continuously
- ATGS Identifies Time Periods when There is No Activity in the Tank(s)
- Data Collected During Dormant Periods is Subjected to Analysis to Identify Evidence of Tank Losses
- Works in Conjunction with Independent Monitoring of Associated Lines
Continual Reconciliation (CITLDS)

- Relies Upon Continuous Product Level and Temperature Measurements and Data from Pump Controllers
- Analyzes Data Continuously During Dormant and Active Periods
- Monitors Tanks and Associated Lines
- 3 gph Leak Detection must also be Performed
PetroNetwork S3 Continual Reconciliation

- CITLDS Method Certified for Tank Systems up to 100,000 Gallons in Capacity (5 Tank Manifolds)
- Monitors Tanks and Associated Lines
- Monthly Throughputs up to 2,718,000 Gallons
- Used with Magnetostrictive ATGS Systems
- Adjusts for Temperature
- Calculates Delivery Amounts
- Six Days of Data or more
How Does it Work?
How Does This Technology Work?

We diagnose the behavior of fuel and the fluid path which are the storage, movement and measurement aspects systems.
Characteristics of High Throughput Sites

- 2 to 5 tank Manifolds
- Up to 40K in gas sales and 80K in Diesel Sales Daily
- Multiple Deliveries
- Large Tank Sizes
- Complex Configurations
High Throughput Truck Diesel Lanes
High Throughput Tank System Layout
Daily Versus Continuous Inventory Data

![Graph showing daily versus continuous inventory data with dates from 5/1/02 to 5/31/02. The graph compares daily variance against dates, with lines representing Fuel Smart and OSP.](image)
Dispenser Theft
Visibility on Theft
Meter Drift Effects
Determining Leak Status Monthly Using SIRA

Methods for Meeting the Monthly Requirement
• More Frequent Analysis
• Sending Data Electronically
• Rolling Data Collection

Vendor and Customer Considerations
• States with and without SPA
• State Inventory Data Review Requirements
Enter Data For Test Site – Location 00001

Date of Data: 10/10/2016  Time of Data (HH:MM): ___:___

Fuel Summary

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Submit
Questions and Comments

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