Results Of U.S. EPA Alternative Evaluation
Sensors

This form documents the performance of the sensor described below. The vendor, or a consultant to the vendor, conducts the evaluation according to the U.S. EPA's requirements for alternative protocols. The full evaluation report includes a report describing the method, a description of the evaluation procedures, and a summary of the test data.

Tank owners using this release detection system should keep this form on file to prove compliance with the federal UST regulation. Tank owners should check with regulatory authorities to make sure this form satisfies their requirements.

Method Description

Name PMP Corporation Fiberglass Tank Interstitial Sensor.

Version 63409 Sensors are for use with Veeder-Root TLS-450 series, TLS-4 series, TLS-350 series, TLS-300 series, TLS-PC, ILS-350, Simplicity, Gilbarco EMC series, EMC Basic, EMC-PC, Red Jacket ProMax and ProPlus.

Vendor PMP Corporation, 25 Security Drive

Street address

Avon | CT | 06001

City | State | Zip

Sensor output type Qualitiative

Sensor operating principle Float Switch

General description of the sensor These sensors employ a float switch to detect liquid in the interstitial space of double walled fiberglass tanks.

Evaluation Results

The sensor listed above was tested for its ability to respond to a change in condition when tested in a controlled test vessel. The following parameters were determined from this evaluation.

- Precision standard deviation – Agreement between multiple measurements of the same product level.
- Detection time – Amount of time the detector must be exposed to product before it responds.
- Recovery time – Amount of time before the detector stops responding after being removed from the product.
- Specificity – Types of products that the sensor will respond to.

Parameter	Ethanol-blended Gasoline (10 %)	Water	Diesel
Average detection height in inches	0.05	0.04	0.04
Precision in inches	0.01	0.02	0.02
Average detection time as hh:mm:ss	<1 second	<1 second	<1 second
Recovery time as hh:mm:ss	<1 second	<1 second	<1 second

Specificity	100%	100%	100%

Limitations On The Results

Limitations specified by the vendor or determined during testing

None

Certification Of Results

I certify the sensor was operated according to the vendor's instructions. I also certify the evaluation was performed according to the standard EPA test procedure for tank tightness testing methods and the results presented above are those obtained during the evaluation.

Jeffrey S Williams
Printed name

Jeffrey S. Williams
Signature

10/18/2019
Date

Solution Engineering Group
Organization performing evaluation

Montgomery, IL 60538-1367
City, state, zip

630-701-7703
Phone number