

UST Inspector Software

2025 National Tanks Conference



What's Important

1. The inspector verified compliance with the regulations
2. The operator understands compliance issues
 - Which specific equipment is out of compliance?
 - What does the site need to do to get back in compliance?
3. The facility knows how to stay in compliance

Compliance Report

1. Why is the site out of compliance?
2. Which specific equipment is out of compliance?
3. What does the site need to do to get in compliance?

Regulation: 280.30(a)

Spill bucket integrity is not maintained

Required Corrective Action:

Conduct a site check according to the guidelines (call 803-898-0589 for directions if needed) and submit sampling results, then repair/replace spill bucket according to industry standards. Then perform a hydrostatic test proving proper installation, and provide documentation of work completed to the Department.

Follow corrective action instructions above for Tank #4(Gasoline RUL)(15000).

Regulation: 280.31(b)(1)

Failure to perform a cathodic protection system test every 3 years on metal piping.

Required Corrective Action:

Remember to test on time. Perform Cathodic Protection test within 3 years of current test for metal piping.

Since the violation was closed on-site(For Tank #4(Gasoline RUL)(15000), Tank #4(Gasoline Super/Prem)(5000), Tank #5(Diesel fuel)(5000), Tank #5(Gasoline Racing fuel)(5000), Tank #5(Gasoline)(5000), Tank #5(Kerosene)(5000)), no action or response is required.

How does the site stay in compliance?

Responsibility

Due Date

Cathodic Protection System Test (3 years)	8/29/2025
Tank Release Detection Operability Test (annual)	4/1/2023
Piping Release Detection Operability Test (annual)	4/1/2023
Line Leak Detector Function Check (annual)	4/1/2023
Line Tightness Test (annual pressurized)	Not Required
Line Tightness Test (3 year suction)	Not Required
Piping Sump Sensor Function Check (annual)	4/1/2023
Dispenser Sump Sensor Function Check (annual)	4/1/2023
Spill Protection Tightness Test (3 years)	3/25/2023
Overfill Prevention Operation Test (3 years)	1/22/2024
Piping Sump Tightness Test (3 years)	3/25/2023
Dispenser Sump Tightness Test (3 years)	5/26/2020(Past Due)
Financial Responsibility Expiration	Expired
Walkthrough Inspection (annual)	12/9/2022

How does the site stay in compliance?

Leak Detection Piping

Applies To	Compliance Requirement
Tank#4(KN) Tank#5(REG) Tank#6(PREM)	Each of these piping runs is equipped with a mechanical line leak detector (MLLD) that monitors the piping for any leaks. You must have the operability of the line leak detector tested annually. According to your records the last test was conducted on 1/22/2025. You must have the next test conducted no later than 1/22/2026.
Tank#5(REG) Tank#6(PREM)	You are currently using an annual line tightness test to meet a part of the pressurized piping release detection requirement. According to your records, the last test was conducted on Unknown . You must have the next test no later than Unknown (unable to determine compliance) .
Tank#4(KN)	You have secondarily contained piping and are currently monitoring the interstitial space at the tank top sump and/or transition sump to meet a part of the piping release detection requirement. You must check the status of each sensor for each sump at least once every 30 days and record the status. If the sensor has alarmed, then a leak may have been detected. You must follow the reporting and investigation requirements of 40CFR 280.50 for a suspected release. Information on investigating suspected releases is available at https://www.epa.gov/ust/suspected-release-investigation-confirmation-releases-prevention-program-activities-and-closure
Tank#4(KN)	You are currently using sensors to monitor the tank top, transition, and dispenser sumps. You must have the operability of each sensor tested annually. According to your records the last operability test was conducted on 1/22/2025. You must have the operability of these sensors tested again no later than 1/22/2026.
Tank#4(KN)	The sumps (tank top, transition, and/or dispenser) are monitored for leaks from the piping system. These sumps must be tested for liquid tightness at least once every 3 years. According to your records, the last test was conducted on 8/9/2022. You must test each sump for liquid tightness no later than 8/9/2025 (Past Due) .

UST Inspector Software Installations



Rhode
Island



*Environmental
Quality*



SC DEPARTMENT of
ENVIRONMENTAL
SERVICES



District of Columbia



West Virginia



Inspection Tool Demonstrations

Click below to see each video (Turn up the volume on your PC)

- [Compliance Determination](#)
- [Draw Diagrams](#)
- [Data, GPS, and Disconnected Data Entry](#)
- [Inspection Reports, Files, and Photos](#)
- [Advanced Scheduling](#)

Features

1. Determines compliance and EPA measures
2. Generates enforcement letters in the field
3. Provides a facility specific compliance plan with a schedule of future test dates
4. Captures signatures, on-site photos, and scans documents.
5. Collects GPS coordinates.
6. Displays interactive site diagram
7. Trains and tests A/B operators

Optimized Data Entry

Leak Detection



COMMENT



SAVE



CANCEL

Tanks/Compartments Piping Big Leak Piping Little Leak Piping Sumps **Dispensers**

	Dispenser #1(1/2)	Dispenser #2(3/4)	Dispenser #3(5/6)	
Release Detection				
Sump requirements	Sump Monitoring	Sump Monitoring	Sump Monitoring	Su
Is a dispenser containment sump present?	Yes	Yes	Yes	Ye
Sump construction material	Plastic	Plastic	Plastic	Pla
Is the containment sump monitored?	Yes	Yes	Yes	Ye
System / Monitoring Type	Open System / Sump Sensors	Open System / Sump Sensors	Open System / Sump Sensors	Ope
Monthly Monitoring	Monthly Monitoring	Monitoring	Monthly Monitoring	
Sensor positioned at the bottom of the sump?	Yes		Yes	Ye
Is the interstice properly closed but continuous?				
Is the interstice open with no obstructions?	Yes	Yes	Yes	Ye
Release Detection Operability Testing				
Previous sump sensor function check date	4/5/2021	4/5/2021	4/5/2021	4/5
Current sump sensor function check	4/1/2022	4/1/2022	4/1/2022	4/1

- Copy Across
- Copy To ▶
- Copy Column Across
- Copy Column To ▶
- Copy to Clipboard
- Paste from Clipboard

Electronic Site Diagram

Active Schematic

Background Shapes Foreground

View Background Shapes Pipes Foreground

Read Only Snap to Grid

MODEL SAVE CANCEL

Zoom: 100% Offset: 0.0

Site #07889 - 9/11/2022

Dutch Fork Road

Route 6

6

Dispenser Canopy

Building

1/2 3/4 5/6 7/8 9/10 1/1 3/14

S S R D RF K EO

Piping sump sensors alarmed in May 2021. Water was pumped out and disposed of properly.

Spill bucket cracked. Release suspected. Site assessment required.

Racing Fuel UDC sensor too high and not vertical.

Advanced Scheduling

LEGEND ✔ In Compliance ✘ Out of Compliance ? Incomplete

DAN BLAKE



Scheduled Inspections

(Click Date, Id, Site, or City/Town column to sort)

[Find Facility/Schedule Inspection...](#)

	Date	Permit #	Site	City/Town	Type	L
✘	09/09/22 07:45	00157	Circle K 2723246	AIKEN	Compliance	8
✔	09/09/22 11:00	00275	Aiken County School Bus Sh...	AIKEN	Compliance	6
✘	09/09/22 02:45	11052	Garden Spot	EASLEY	Compliance	5
✘	09/09/22 02:55	07889	Pitt Stop 14	BALLENTINE	Compliance	1
?	09/13/22 03:05	10568	Spinx 2	GEBURG	Compliance	1
?	09/15/22 11:25	03872	Greenv	NVILLE	Closure	1
?	09/16/22 11:30	09242	Duke E		Outreach	1

- Start Inspection...
- Reschedule...
- Delete...
- Distance/Directions...
- View Summary...

Fac#07889 Address: 1301 DUTCH FORK RD, BA

(county) Phone: 803-732-5979

Contacts

Type	Name	Phone	Address
Land Owner	GTY-SC LEASING L...	202-358-3619	TWO JERICHO PLAZA...
Operator	PETROGAS GROU...	803-957-7367	279 CEDARCREST DR,...
Tank Owner	PETROGAS GROU...	803-957-7367	279 CEDARCREST DR,...
Class B Operator	ALEXIS LYNN	803-741-8445	
Class B Operator	ALICE SMITH	803-957-7367	279 CEDARCREST DR,...



Benefits

1. More inspections per inspector
2. Standardized and even-handed enforcement of regulations
3. Improved data quality
4. Consistent and complete inspection reports and violation notices
5. Instructions for the facility owner how to come back into and stay in compliance

Violation Manager Demonstration

Click link above to see the video (Turn up the volume on your PC)

Violation Name


Late cathodic protection system test (required every 3 years) for metal piping.

Regulation

280.31(b)(1) ▼

SOC Measure

Corrosion Protection ▼

Start Date9/23/2013 **Date Inactivated****Reason Inactivated****Violation Description**

Failure to perform a cathodic protection system test every 3 years on metal piping.

Corrective Action

Remember to test on time. Perform Cathodic Protection test within 3 years of current test for metal piping.

 Prohibit Deliveries**Rule Specification****Screen**

CP Pipes ▼

Applies To

compartment ▼

Inspection Type

Compliance Inspection ▼

Condition

```
(compartment.IsPipingCPTestRequired) AND
(compartment.LastPipingCPTest>=inspection.SCHEDULED_TIME.AddYears(-3) OR
compartment.PreviousPipingCPTest>=inspection.SCHEDULED_TIME.AddYears(-3))
AND Not help.IsBlank(compartment.PreviousPipingCPTest) AND
(compartment.LastPipingCPTest>compartment.PreviousPipingCPTest.AddYears(3))
```

Tank Status

BLANK ▼

Leak Detection

BLANK ▼

Installed After**Installed Before**

Violation Manager Benefits

1. Library of current regulations (federal and/or state specific)
2. Standardized violation and corrective action descriptions
3. Enforcement tracking

Scheduler Demonstration

Click link above to see the video (Turn up the volume on your PC)

Inspector: ALL

Inspection Type: ALL

Event Type: ALL

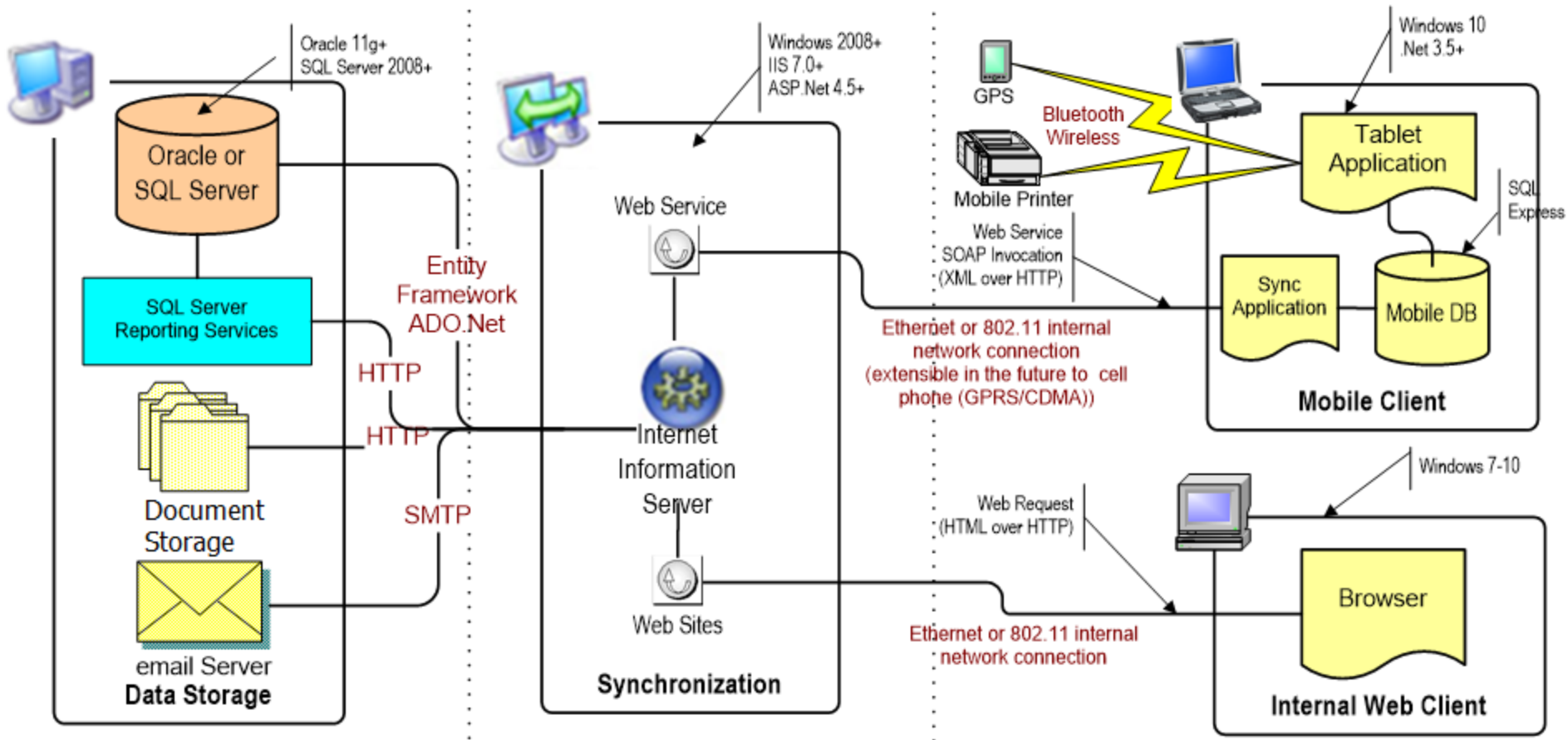
September 2022

Mon	Tue	Wed	Thu	Fri
29	30	31	1	2
9:00 AM 85201 Compliance Steve Luman Anthony Young	9:00 AM 135143 Compliance Steve Luman AAFES Mini Mall	9:00 AM 73940 Compliance Steve Luman De Ridder U Pack	9:00 AM 75667 Compliance Steve Luman Food Mart	8:00 AM 70198 Compliance Steve Luman The Buzz
10:00 AM 74097 Compliance Steve Luman E&N Quick Stop	10:00 AM 15707 Compliance Ryan Brignac Lard Oil Co Inc of Acadiana...	10:00 AM 70757 Compliance Steve Luman Sunshine Grocery #8	10:00 AM 77237 Compliance Charles Branton Buddy's Service Station	9:00 AM 68909 Compliance Steve Luman Cajun Station
10:00 AM 88885 Compliance Lauren Cramer MEX #3322	10:00 AM 75616 Compliance Ryan Brignac Deshi LLC	12:00 PM 75293 Compliance Steve Luman Food Max	10:00 AM 70802 Compliance Steve Luman Cajun Kwik Mart	11:00 AM 73731 Compliance Steve Luman Shop Rite #83
11:00 AM 72837 Compliance Steve Luman Anacoco Mercantile LLC	10:00 AM 135141 Compliance Steve Luman AAFES Shoppette 1	1:00 PM 214295 Compliance Steve Luman Cursanjh Properties LLC - T...	10:00 AM 70485 Compliance Ryan Brignac Pop-N-Fuel	12:00 PM 74559 Compliance Steve Luman Hit-n-Run Food Stores #11
11:00 AM 91002 Compliance Theresa LoGiudice Brown Derby Superstore Inc	11:00 AM 72657 Compliance Jane Ramey Mountain Express Store #929	1:00 PM 70979 Compliance Lauren Goldfinch Causeway Discount Zone	10:00 AM 75930 Compliance Theresa LoGiudice Estates Shell	1:00 PM 200893 Compliance Steve Luman Love's Travel Stop #663
12:00 PM 72827 Compliance Steve Luman Shop A Lott #7	11:00 AM 78549 Compliance Steve Luman Peterson Shell Station	3:00 PM 5598 Compliance Steve Luman LADOTD - District 07	10:00 AM 70487 Compliance Ryan Brignac Iberia Food Mart	
1:00 PM 15730 Compliance Lauren Goldfinch Edenborn Shell Service Station	12:00 PM 74671 Compliance Steve Luman LADOTD - Deridder Maintenan...		10:00 AM 70790 Compliance Charles Branton Time Loop #19	
1:00 PM 79047 Compliance Steve Luman Shop Rite #50	1:00 PM 79331 Compliance Steve Luman Brookshire Brothers #27		11:00 AM 192136 Compliance Steve Luman Spring Market 704	
3:00 PM 72590 Compliance Steve Luman Fina Mini Serve	2:30 PM 78509 Compliance Jane Ramey Gilcrease General Store		12:00 PM 216534 Compliance Steve Luman Podna's Quik Mart LLC	
	3:00 PM 70758 Compliance Steve Luman 26 Express			

Other software

- AST /UST Registration
- Enforcement Tracking
- UST On-line training and testing
- UST management plans
- Other Inspection Types
 - UST – Install and closure
 - LUST - Site visits
 - AST – Compliance

System Architecture



Tasks to Implement

- Import regulations
- Business and systems analysis
- Network integration
- Download of registration data
- Customization of inspection and web applications
- Additions to support state regs and SOPs
- Upload of inspection results, documents, and registration changes
- Enforcement tracking website

Questions?

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