KLEINFELDER
Bright People. Right Solutions.

**VIA CERTIFED MAIL: 7011 0470 0000 2968 5851**

September 23, 2013

Ms. Jeannette Debartolomeo
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard
Baltimore, MD 21230

**RE: UST Testing Records**
**Southside Facility #20025**
**31 Heather Lane**
**Perryville, Cecil County, Maryland**
**MDE Case No. 2006-0489-CE**
**MDE Facility No. 1190**

Dear Ms. Debartolomeo:

In a Maryland Department of Environment (MDE) Site Status Letter dated July 30, 2013, the MDE requested Southside Oil, LLC (Southside) provide copies of the most recent helium testing of the gasoline underground storage tank (UST) systems and the most recent spill catchment basin test results for the above referenced project (Site). The testing results are attached and are summarized below.

- On December 18, 2012, Tanknology completed testing at the Site including spill catchment basin testing. The spill catchment basins passed except for the vapor basin of the regular gasoline UST.

- On February 23, 2013, Spigler Petroleum Equipment, LLC completed a hydrostatic test of the spill catchment basin testing for the vapor basin of the regular gasoline UST and the hydrostatic test passed.

- On August 23, 2013, Tanknology completed Pressure Decay and Helium Decay tests and the tests passed.

Southside and Kleinfelder appreciate the continued cooperation and assistance of the MDE in the successful completion of this project. Please contact the undersigned at (410) 850-0404 or Ms. Amanda Pearce with Southside Oil at (804) 706-4702 if there are questions.

Sincerely yours,
**Kleinfelder East, Inc.**

Donald A. Trego, QEP
Program Manager

Mark C. Steele
Principal Professional

Attachments

cc: Mr. Marshall Hare – Southside Oil, LLC
Ms. Amanda Pearce – Southside Oil, LLC

# Testing and Inspection Certificate

Tanknology Inc.
11000 North MoPac Expressway, Suite 500, Austin, TX 78759
800-800-4633 www.tanknology.com



| | | | |
|---|---|---|---|
| Test Date | 12/18/2012 | Tanknology WO# | MA2-8505854 |
| Test Purpose | COMPLIANCE | Customer PO# | |

**Customer**

SOUTHSIDE OIL
1011 BOULDER SPRINGS DRIVE
SUITE 100
RICHMOND, VA 23225
Attn: MARSHALL HARE
(804) 706-4702

**Location**

Southside 20025
31 Heather Lane
Perryville, MD 21903
Attn:
(410) 642-2883

| Test / Inspection Description | Item Tested | Date Tested | Result |
|---|---|---|---|
| Line Leak Detector (3 GPH) | Tank 1 Line 1 REGULAR | 12/18/2012 | Pass |
| Line Leak Detector (3 GPH) | Tank 1 Line 1 PLUS | 12/18/2012 | Pass |
| Line Leak Detector (3 GPH) | Tank 1 Line 1 SUPREME | 12/18/2012 | Pass |
| Line Leak Detector (3 GPH) | Tank 4 Line 1 Diesel | 12/18/2012 | Pass |
| Impact Valve Inspection | See test report for details | 12/18/2012 | Pass |
| Leak Detection Monitoring System Inspection | See test report for details | 12/18/2012 | Pass |
| Spill Containment / Bucket | REGULAR SB 1 - Fill - Direct | 12/18/2012 | Pass |
| Spill Containment / Bucket | REGULAR SB 1 - Vapor - Direct | 12/18/2012 | Fail |
| Spill Containment / Bucket | PLUS SB 1 - Fill - Direct | 12/18/2012 | Pass |
| Spill Containment / Bucket | SUPREME SB 1 - Fill - Direct | 12/18/2012 | Pass |
| Spill Containment / Bucket | Diesel SB 1 - Fill - Direct | 12/18/2012 | Pass |
| Stage I or II Pressure Decay | See test report for details | 12/18/2012 | Pass |
| Air or Vapor to Liquid Ratio | See test report for details | 12/18/2012 | Pass |

Tanknology Representative: Theodore Bezel
Telephone: (800) 964-0010

Technician: Michael Collins
Technician Certification: (See forms)

Tanknology

# *LDT 5000 Field Test Apparatus*
## Line Leak Detector Test



Work Order: 8505854 Date: 12/18/2012
Site Name / ID: Southside 20025 / 20025
Address: 31 Heather Lane
City: Perryville State: MD Zip: 21903

| Tank ID | 1 | 1 | 1 | 4 | | |
|---|---|---|---|---|---|---|
| Product | REGULAR | PLUS | SUPREME | Diesel | | |
| Product Line | 1 | 1 | 1 | 1 | | |
| Tested From | 14 | 14 | 14 | 4 | | |
| Existing/New | Existing | Existing | Existing | Existing | | |
| Mechanical/Electronic | Electronic | Electronic | Electronic | Electronic | | |
| Manufacturer/Model | Veeder Root VLLD | Veeder Root VLLD | Veeder Root VLLD | Veeder Root VLLD | | |
| Serial No. | 249198 | 249213 | 249249 | 314968 | | |
| Pump Operating Pressure (psi) | 30.00 | 32.00 | 32.00 | 32.00 | | |
| Calibrated Leak (ml/min) | 189.0 | 189.0 | 189.0 | 189.0 | | |
| Calibrated Leak (gph) | 3.00 | 3.00 | 3.00 | 3.00 | | |
| Holding PSI *N/A for Electronic LD's | | | | | | |
| Resiliency (ml) *N/A for Electronic LD's | | | | | | |
| Metering PSI *N/A for Electronic LD's | | | | | | |
| Opening Time (sec) *N/A for Electronic LD's | | | | | | |
| Test Results | Pass | Pass | Pass | Pass | | |

**Technician Comments:**

**Technician Name:** Michael Collins **Certification #:** 94337

**Technician Signature:** Michael A. Collins **Expire Date:** 10/27/2014

Environmental Compliance for Petroleum Systems

# Impact Valve Inspection

## Impact Valve Operational Inspection

Work Order: 8505854 Date: 12/18/2012
Site Name/ID: Southside 20025
Address: 31 Heather Lane
City: Perryville State: MD Zip: 21903

| Dispenser Number | Grade | Secure Mount? | Valve Lock? | Pass/ Fail | Comments |
|---|---|---|---|---|---|
| 1/2 | 87 | ☑ | ☑ | Pass Fail Not Tested | |
| 1/2 | 89 | ☑ | ☑ | Pass Fail Not Tested | |
| 1/2 | 93 | ☑ | ☑ | Pass Fail Not Tested | |
| 3/4 | 40 | ☑ | ☑ | Pass Fail Not Tested | |
| 5/6 | 87 | ☑ | ☑ | Pass Fail Not Tested | |
| 5/6 | 89 | ☑ | ☑ | Pass Fail Not Tested | |
| 5/6 | 93 | ☑ | ☑ | Pass Fail Not Tested | |
| 7/8 | 87 | ☑ | ☑ | Pass Fail Not Tested | |
| 7/8 | 89 | ☑ | ☑ | Pass Fail Not Tested | |
| 7/8 | 93 | ☑ | ☑ | Pass Fail Not Tested | |
| 9/10 | 87 | ☑ | ☑ | Pass Fail Not Tested | |
| 9/10 | 89 | ☑ | ☑ | Pass Fail Not Tested | |
| 9/10 | 93 | ☑ | ☑ | Pass Fail Not Tested | |
| 11/12 | 87 | ☑ | ☑ | Pass Fail Not Tested | |
| 11/12 | 89 | ☑ | ☑ | Pass Fail Not Tested | |
| 11/12 | 93 | ☑ | ☑ | Pass Fail Not Tested | |
| 13/14 | 87 | ☑ | ☑ | Pass Fail Not Tested | |
| 13/14 | 89 | ☑ | ☑ | Pass Fail Not Tested | |
| 13/14 | 93 | ☑ | ☑ | Pass Fail Not Tested | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

**Technician Comments:**

Technician Name: Michael Collins

Signature: Michael a. Collins

# MONITORING SYSTEM CERTIFICATION

This form is used to document testing and servicing of tank and piping leak monitoring equipment. If required by applicable law, a copy of the completed form must be provided by the Testing Contractor or owner to the governing UST agency as required by regulation.

**A. General Information**

Facility Name: Southside 20025 Bldg. No.:

Site Address: 31 Heather Lane City: Perryville Zip: 21903

Facility Contact Person: Contact Phone No.: 642-2883

Make/Model of Monitoring System: Veeder Root TLS350R Date of Testing/Servicing: 12/18/2012

**B. Inventory of Equipment Tested/Certified** Check the appropriate boxes to indicate specific equipment inspected/serviced:

**Tank ID:** 1 - REGULAR

- [x] In-Tank Gauging Probe. Model: MAG 1 Probe
- [x] Annular Space or Vault Sensor. Model: 407
- [x] Piping Sump / Trench Sensor(s). Model: 112
- [ ] Fill Sump Sensor(s). Model:
- [ ] Mechanical Line Leak Detector. Model:
- [x] Electronic Line Leak Detector. Model: Veeder Root VLLD
- [ ] Tank Overfill / High-Level Sensor. Model:
- [ ] Other (specify equipment type and model in Section E on Page 2).

**Tank ID:** 1 - PLUS

- [x] In-Tank Gauging Probe. Model: MAG 1 Probe
- [x] Annular Space or Vault Sensor. Model: 407
- [x] Piping Sump / Trench Sensor(s). Model: 112
- [ ] Fill Sump Sensor(s). Model:
- [ ] Mechanical Line Leak Detector. Model:
- [x] Electronic Line Leak Detector. Model: Veeder Root VLLD
- [ ] Tank Overfill / High-Level Sensor. Model:
- [ ] Other (specify equipment type and model in Section E on Page 2).

**Tank ID:** 1 - SUPREME

- [x] In-Tank Gauging Probe. Model: MAG 1 Probe
- [x] Annular Space or Vault Sensor. Model: 407
- [x] Piping Sump / Trench Sensor(s). Model: 112
- [ ] Fill Sump Sensor(s). Model:
- [ ] Mechanical Line Leak Detector. Model:
- [x] Electronic Line Leak Detector. Model: Veeder Root VLLD
- [ ] Tank Overfill / High-Level Sensor. Model:
- [ ] Other (specify equipment type and model in Section E on Page 2).

**Tank ID:** 4 - Diesel

- [x] In-Tank Gauging Probe. Model: MAG 1 Probe
- [x] Annular Space or Vault Sensor. Model: 407
- [x] Piping Sump / Trench Sensor(s). Model: 112
- [ ] Fill Sump Sensor(s). Model:
- [ ] Mechanical Line Leak Detector. Model:
- [x] Electronic Line Leak Detector. Model: Veeder Root VLLD
- [ ] Tank Overfill / High-Level Sensor. Model:
- [ ] Other (specify equipment type and model in Section E on Page 2).

**Dispenser ID:** 1/2

- [x] Dispenser Containment Sensor(s). Model: 322
- [x] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

**Dispenser ID:** 3/4

- [x] Dispenser Containment Sensor(s). Model: 322
- [x] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

**Dispenser ID:** 5/6

- [x] Dispenser Containment Sensor(s). Model: 322
- [x] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

**Dispenser ID:** 7/8

- [x] Dispenser Containment Sensor(s). Model: 322
- [x] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

**Dispenser ID:** 9/10

- [x] Dispenser Containment Sensor(s). Model: 322
- [x] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

**Dispenser ID:** 11/12

- [x] Dispenser Containment Sensor(s). Model: 322
- [x] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

**C. Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*:** [x] **System set-up** [x] **Alarm history report**

Technician Name (print): Michael Collins Signature: Michael A. Collins

Certification No.: License. No.:

Testing Company Name: Tanknology Phone No.: (800) 800-4633

Testing Company Address: 11000 N. MoPac Expressway Suite 500 Date of Testing/Servicing: 12/18/2012

# MONITORING SYSTEM CERTIFICATION

This form is used to document testing and servicing of tank and piping leak monitoring equipment. If required by applicable law, a copy of the completed form must be provided by the Testing Contractor or owner to the governing UST agency as required by regulation.

**A. General Information**

Facility Name: Southside 20025 Bldg. No.:

Site Address: 31 Heather Lane City: Perryville Zip: 21903

Facility Contact Person: Contact Phone No.: 642-2883

Make/Model of Monitoring System: Date of Testing/Servicing: 12/18/2012

**B. Inventory of Equipment Tested/Certified** Check the appropriate boxes to indicate specific equipment inspected/serviced:

| | |
|---|---|
| **Tank ID:**<br>☐ In-Tank Gauging Probe. Model:<br>☐ Annular Space or Vault Sensor. Model:<br>☐ Piping Sump / Trench Sensor(s). Model:<br>☐ Fill Sump Sensor(s). Model:<br>☐ Mechanical Line Leak Detector. Model:<br>☐ Electronic Line Leak Detector. Model:<br>☐ Tank Overfill / High-Level Sensor. Model:<br>☐ Other (specify equipment type and model in Section E on Page 2). | **Tank ID:**<br>☐ In-Tank Gauging Probe. Model:<br>☐ Annular Space or Vault Sensor. Model:<br>☐ Piping Sump / Trench Sensor(s). Model:<br>☐ Fill Sump Sensor(s). Model:<br>☐ Mechanical Line Leak Detector. Model:<br>☐ Electronic Line Leak Detector. Model:<br>☐ Tank Overfill / High-Level Sensor. Model:<br>☐ Other (specify equipment type and model in Section E on Page 2). |
| **Tank ID:**<br>☐ In-Tank Gauging Probe. Model:<br>☐ Annular Space or Vault Sensor. Model:<br>☐ Piping Sump / Trench Sensor(s). Model:<br>☐ Fill Sump Sensor(s). Model:<br>☐ Mechanical Line Leak Detector. Model:<br>☐ Electronic Line Leak Detector. Model:<br>☐ Tank Overfill / High-Level Sensor. Model:<br>☐ Other (specify equipment type and model in Section E on Page 2). | **Tank ID:**<br>☐ In-Tank Gauging Probe. Model:<br>☐ Annular Space or Vault Sensor. Model:<br>☐ Piping Sump / Trench Sensor(s). Model:<br>☐ Fill Sump Sensor(s). Model:<br>☐ Mechanical Line Leak Detector. Model:<br>☐ Electronic Line Leak Detector. Model:<br>☐ Tank Overfill / High-Level Sensor. Model:<br>☐ Other (specify equipment type and model in Section E on Page 2). |
| **Dispenser ID:** 13/14<br>☑ Dispenser Containment Sensor(s). Model: 322<br>☑ Shear Valve(s).<br>☐ Dispenser Containment Float(s) and Chain(s). | **Dispenser ID:**<br>☐ Dispenser Containment Sensor(s). Model:<br>☐ Shear Valve(s).<br>☐ Dispenser Containment Float(s) and Chain(s). |
| **Dispenser ID:**<br>☐ Dispenser Containment Sensor(s). Model:<br>☐ Shear Valve(s).<br>☐ Dispenser Containment Float(s) and Chain(s). | **Dispenser ID:**<br>☐ Dispenser Containment Sensor(s). Model:<br>☐ Shear Valve(s).<br>☐ Dispenser Containment Float(s) and Chain(s). |
| **Dispenser ID:**<br>☐ Dispenser Containment Sensor(s). Model:<br>☐ Shear Valve(s).<br>☐ Dispenser Containment Float(s) and Chain(s). | **Dispenser ID:**<br>☐ Dispenser Containment Sensor(s). Model:<br>☐ Shear Valve(s).<br>☐ Dispenser Containment Float(s) and Chain(s). |

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

**C. Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: ☑ System set-up ☑ Alarm history report**

Technician Name (print): Michael Collins Signature: Michael a. Collins

Certification No.: License. No.:

Testing Company Name: Tanknology Phone No.: (800) 800-4633

Testing Company Address: 11000 N. MoPac Expressway Suite 500 Date of Testing/Servicing: 12/18/2012

**D. Results of Testing/Servicing**

Software Version Installed: 131.01

Complete the following checklist:

| | | |
|---|---|---|
| ◉ Yes | ○ No* | Is the audible alarm operational? |
| ◉ Yes | ○ No* | Is the visual alarm operational? |
| ◉ Yes | ○ No* | Were all sensors visually inspected, functionally tested, and confirmed operational? |
| ◉ Yes | ○ No* | Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation? |
| ◉ Yes | ○ No*<br>○ N/A | If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational? |
| ◉ Yes | ○ No*<br>○ N/A | For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☑ Sump/Trench Sensors; ☑ Dispenser Containment Sensors.<br>Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ◉ Yes; ○ No |
| ○ Yes | ○ No*<br>◉ N/A | For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? % |
| ○ Yes* | ◉ No | Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below. |
| ○ Yes* | ◉ No | Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)*<br>☐ Product; ☐ Water. If yes, describe causes in Section E, below. |
| ◉ Yes | ○ No* | Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable |
| ◉ Yes | ○ No* | Is all monitoring equipment operational per manufacturer's specifications? |

* In Section E below, describe how and when these deficiencies were or will be corrected.

**E. Comments:**

**F. In-Tank Gauging / SIR Equipment:**

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

**Complete the following checklist:**

| | | |
|---|---|---|
| ◉ Yes | ○ No* | Has all input wiring been inspected for proper entry and termination, including testing for ground faults? |
| ◉ Yes | ○ No* | Were all tank gauging probes visually inspected for damage and residue buildup? |
| ◉ Yes | ○ No* | Was accuracy of system product level readings tested? |
| ◉ Yes | ○ No* | Was accuracy of system water level readings tested? |
| ◉ Yes | ○ No* | Were all probes reinstalled properly? |
| ◉ Yes | ○ No* | Were all items on the equipment manufacturer?s maintenance checklist completed? |

* In the Section H, below, describe how and when these deficiencies were or will be corrected.

**G. Line Leak Detectors (LLD):**

☐ Check this box if LLDs are not installed.

**Complete the following checklist:**

| | | |
|---|---|---|
| ◉ Yes | ○ No*<br>○ N/A | For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☑ 3 g.p.h.; ☐ 0.1 g.p.h; ☐ 0.2 g.p.h. |
| ◉ Yes | ○ No* | Were all LLDs confirmed operational and accurate within regulatory requirements? |
| ◉ Yes | ○ No* | Was the testing apparatus properly calibrated? |
| ○ Yes | ○ No*<br>◉ N/A | For mechanical LLDs, does the LLD restrict product flow if it detects a leak? |
| ◉ Yes | ○ No*<br>○ N/A | For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak? |
| ◉ Yes | ○ No*<br>○ N/A | For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected? |
| ◉ Yes | ○ No*<br>○ N/A | For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test? |
| ◉ Yes | ○ No*<br>○ N/A | For electronic LLDs, have all accessible wiring connections been visually inspected? |
| ◉ Yes | ○ No* | Were all items on the equipment manufacturer's maintenance checklist completed? |

* In the Section **H,** below, describe how and when these deficiencies were or will be corrected.

**H. Comments:**

DID OVERALL MONITOR SYSTEM TESTING PASS (Check One)? YES◉ NO○ INCONCLUSIVE○

## SPILL/OVERFILL CONTAINMENT BOXES

| | | | |
|---|---|---|---|
| Facility is Not Equipped With Fill Riser Containment Sumps ☑ | | | |
| Fill Riser Containment Sumps are Present, but were Not Tested ☐ | | | |
| | Spill Box #<br>Tank 1 REGULAR<br>Fill - Direct | Spill Box #<br>Tank 1 PLUS<br>Fill - Direct | Spill Box #<br>Tank 1 SUPREME<br>Fill - Direct |
| Bucket Diameter: | 10.00 | 10.00 | 10.00 |
| Bucket Depth: | 14.50& | 15.00& | 15.50& |
| Test Method Developed By: | Industry Standard | Industry Standard | Industry Standard |
| Test Method Used By: | Vacuum | Vacuum | Vacuum |
| Test Equipment Used: | VACUUM TEST | VACUUM TEST | VACUUM TEST |
| Equipment Resolution: | 0.1 gph | 0.1 gph | 0.1 gph |
| Wait time between applying pressure/vacuum/water and starting test | 0 min | 0 min | 0 min |
| Test Start Time: | 23:13:00 | 23:15:00 | 00:15:00 |
| Initial Reading $(R_I)$: | 30.00 in. H20 | 30.00 in. H20 | 30.00 in. H20 |
| Test End Time: | 23:14:00 | 23:16:00 | 00:16:00 |
| Final Reading $(R_F)$: | 30.00 in. H20 | 26.00 in. H20 | 28.00 in. H20 |
| Test Duration: | 1 min | 1 min | 1 min |
| Change in Reading $(R_F-R_I)$ : | 0.00 in. H20 | -4.00 in. H20 | -2.00 in. H20 |
| Pass/Fail Threshold or Criteria: | +/- 4.00 | +/- 4.00 | +/- 4.00 |
| **Test Result:** | Pass | Pass | Pass |

**Comments ?** *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

Vapor bucket would not pull vacuum

WO: 8505854

## SPILL/OVERFILL CONTAINMENT BOXES

| | | | |
|---|---|---|---|
| Facility is Not Equipped With Fill Riser Containment Sumps ☑ | | | |
| Fill Riser Containment Sumps are Present, but were Not Tested ☐ | | | |
| | Spill Box #<br>Tank 4 Diesel<br>Fill - Direct | Spill Box #<br>Tank 1 REGULAR<br>Vapor - Direct | Spill Box # |
| Bucket Diameter: | 10.00 | 10.00 | |
| Bucket Depth: | 14.50& | 12.50& | & |
| Test Method Developed By: | Industry Standard | Industry Standard | |
| Test Method Used By: | Vacuum | Vacuum | |
| Test Equipment Used: | VACUUM TEST | VACUUM TEST | |
| Equipment Resolution: | 0.1 gph | 0.1 gph | |
| Wait time between applying pressure/vacuum/water and starting test | 0 min | 0 min | min |
| Test Start Time: | 23:10:00 | 23:12:00 | |
| Initial Reading $(R_I)$: | 30.00 in. H20 | in. H20 | |
| Test End Time: | 23:11:00 | | |
| Final Reading $(R_F)$: | 28.00 in. H20 | in. H20 | |
| Test Duration: | 1 min | | |
| Change in Reading $(R_F-R_I)$ : | -2.00 in. H20 | in. H20 | |
| Pass/Fail Threshold or Criteria: | +/- 4.00 | +/- 4.00 | +/- |
| **Test Result:** | Pass | Fail | |

**Comments ?** *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

Vapor bucket would not pull vacuum

WO: 8505854

# Stage II Testing Results Summary Page

**Facility Information**

Facility Name: Southside 20025 ARMA Premise No.: 20025

Address: 31 Heather Lane Perryville MD 21903

Contact/Title: __ Phone: 642-2883

**Other Contact Information**

Name: __ Title: __

Address: __

Phone: __

**Testing Information**

Testing Company: TANKNOLOGY INC. Phone: (800) 800-4633

Address: 11000 N.MOPAC EXPWY #500 AUSTIN TX 78759

Contact: Theodore Bezel Test conducted by: Michael Collins

Stage II System Type: G-70-150 ARMA Notification Date: Emailed by Theodore Bezel

| Test | Performed (Y or N) | Date | Pass or Fail? | Comments |
|---|---|---|---|---|
| Dynamic Back Pressure | | | | |
| Leak Test (Pressure Decay) | Yes | 12/18/2012 | Pass | |
| Liquid Blockage Test | | | | |
| Air to Liquid Ratio | Yes | 12/18/2012 | Pass | Disp #5/6,#9 not tested-out of service |
| Healy Nozzle Regulation Test | | | | |
| Vapor Return Leak Tightness Test | | | | |
| Vapor Return Line Vacuum Integrity test | | | | |

WO: 8505854

Tanknology

# 2"wc Pressure Decay Test

## Store Information

Site Name: Southside 20025
Address: 31 Heather Lane, Perryville MD 21903
Phone: 642-2883

## Testing Company

Name: TANKNOLOGY INC.
Address: 11000 N. MOPAC EXPRESSWAY, SUITE 500, AUSTIN, TX 78759
Phone: (512) 451-6334

| | | | |
|---|---|---|---|
| Phase I System? | Dual | Vapor System Manifolded ? | Yes |
| Phase II System? | Assist | Vapor Pot Present? | No |
| Total # of Nozzles | 36 | Total # of Gas Tanks | 3 |
| Products per Nozzle | 1 | | |

| Tank Information | | 1 | 2 | 3 | | Total |
|---|---|---|---|---|---|---|
| 1. | Product Grade | REGULAR | PLUS | SUPREME | | |
| 2. | Actual Tank Capacity, gallons | 11627 | 11627 | 11627 | | 34881 |
| 3. | Gasoline Volume, gallons | 9501 | 2301 | 2175 | | 13977 |
| 4. | Ullage, **(V)** gallons (line #2 minus line#3) | 2126 | 9326 | 9452 | | 20904 |
| **Test Information** | | **1** | **2** | **3** | | **All** |
| 5. | Start Time | 20:40 | | | | 20:40 |
| 6. | Initial Test Pressure, inches H2O | 2.00 | | | | 2.00 |
| 7. | Pressure after 1 minute, inches H2O | 2.00 | | | | 2.00 |
| 8. | Pressure after 2 minutes, inches H2O | 1.99 | | | | 1.99 |
| 9. | Pressure after 3 minutes, inches H2O | 1.99 | | | | 1.99 |
| 10. | Pressure after 4 minutes, inches H2O | 1.97 | | | | 1.97 |
| 11. | Pressure after 5 minutes, inches H2O | 1.96 | | | | 1.96 |
| 12. | Allowable Final Pressure | 1.95 | | | | 1.95 |
| 13. | Pass / Fail (Enter "GF" for Gross failure) | Pass | | | | Pass |

| | |
|---|---|
| 17:00 | Enter time of last delivery. |
| Manometer | What type of pressure device used? |
| 10/1/2012 | Calibration date for pressure device (90 days). |
| 0.50 | Enter initial tank ullage pressure (Vent if over 0.5 in. w.c., then start the 30 min no dispensing period) |
| 2.00 | Enter flowmeter rate, F(Must be 1 to 5 CFM). |
| 00:06:52 | Calculate ullage fill time, **t2**. t2= V / [1522]F |
| 00:13:44 | Calculate gross failure time (Twice t2). |
| 0.00 | Enter ending value of drift test (Must be 0.01 in. w.c. or less). |
| | Record Vapor Coupler Integrity Test Assembly pressure after 1 minute and location. |
| Dry Break | Nitrogen introduction point. Phase I vapor coupler or Phase II vapor riser? |

Comments:

Tester: Michael Collins
Certification #: 94341

Signature: Michael A. Collins
Test Date: 12/18/2012

WO: 8505854

# Tanknology Air to Liquid Ratio Form

**Store Information**

Site Name: Southside 20025
Address: 31 Heather Lane Perryville MD 21903
Phone: 642-2883

**Testing Company**

Name: TANKNOLOGY INC.
Address: 11000 N.MoPac Expressway, #500 AUSTIN, TX 78759
Phone: 1-(800)-800-4633

Allowable A/L: 0.90 - 1.20
CARB EO: G-70-150

Test Unit Serial Number: VS-0401
Test Unit Calibration Date: 9/27/2012

Meter Leak Tests:
(For TriTester only)

Pre-Test Leak Check (Pass/Fail):
Post-Test Leak Check (Pass/Fail):

Note: Bulb must not inflate in less than 30 seconds.

| Dispenser Number | Product Grade | Nozzle Model # | Nozzle Manufacturer | A/L | GPM | PASS /FAIL | Comments |
|---|---|---|---|---|---|---|---|
| 1 | 87 | OPW | 12VW-4400 | 1.02 | 8.64 | Pass | |
| 1 | 89 | OPW | 12VW-4400 | 1.00 | 8.88 | Pass | |
| 1 | 93 | OPW | 12VW-4400 | 1.03 | 8.13 | Pass | |
| 2 | 87 | CATLOW | | 1.08 | 9.14 | Pass | |
| 2 | 89 | CATLOW | | 1.06 | 8.00 | Pass | |
| 2 | 93 | CATLOW | | 1.03 | 8.49 | Pass | |
| 5 | 87 | | | | | | Out of Service |
| 5 | 89 | | | | | | Out of Service |
| 5 | 93 | | | | | | Out of Service |
| 6 | 87 | | | | | | Out of Service |
| 6 | 89 | | | | | | Out of Service |
| 6 | 93 | | | | | | Out of Service |
| 7 | 87 | CATLOW | | 1.02 | 8.42 | Pass | |
| 7 | 89 | CATLOW | | 1.04 | 8.72 | Pass | |
| 7 | 93 | OPW | 12VW-4400 | 1.03 | 7.80 | Pass | |
| 8 | 87 | OPW | 11VAI-27R | 1.12 | 9.32 | Pass | |
| 8 | 89 | OPW | 11VAI-27R | 1.11 | 8.72 | Pass | |
| 8 | 93 | OPW | 11VAI-27R | 1.08 | 8.34 | Pass | |
| 9 | 87 | CATLOW | | | | | Unable to test-gallons display not functioning |
| 9 | 89 | CATLOW | | | | | Unable to test-gallons display not functioning |
| 9 | 93 | CATLOW | | | | | Unable to test-gallons display not functioning |
| 10 | 87 | OPW | 11VAI-27R | 1.17 | 9.14 | Pass | |
| 10 | 89 | OPW | 11VAI-27R | 1.20 | 8.88 | Pass | |
| 10 | 93 | OPW | 11VAI-27R | 1.18 | 8.34 | Pass | |
| 11 | 87 | CATLOW | | 1.06 | 8.64 | Pass | |
| 11 | 89 | CATLOW | | 1.03 | 9.05 | Pass | |
| 11 | 93 | CATLOW | | 1.07 | 8.20 | Pass | |
| 12 | 87 | OPW | 11VAI-27R | 1.07 | 8.36 | Pass | |
| 12 | 89 | OPW | 11VAI-27R | 1.03 | 7.80 | Pass | |
| 12 | 93 | OPW | 11VAI-27R | 1.13 | 8.80 | Pass | |

Tester: Michael Collins
Certification #: 94341

Signature: Michael A. Collins
Test Date: 12/18/2012

WO: 8505854

# Tanknology Air to Liquid Ratio Form

**Store Information**

Site Name: Southside 20025
Address: 31 Heather Lane
Perryville MD 21903
Phone: 642-2883

**Testing Company**

Name: TANKNOLOGY INC.
Address: 11000 N.MoPac Expressway, #500
AUSTIN, TX 78759
Phone: 1-(800)-800-4633

Allowable A/L: 0.90 - 1.20
CARB EO: G-70-150

Test Unit Serial Number: VS-0401
Test Unit Calibration Date: 9/27/2012

Meter Leak Tests:

(For TriTester only)

Pre-Test Leak Check (Pass/Fail):

Post-Test Leak Check (Pass/Fail):

Note: Bulb must not inflate in less than 30 seconds.

| Dispenser Number | Product Grade | Nozzle Model # | Nozzle Manufacturer | A/L | GPM | PASS /FAIL | Comments |
|---|---|---|---|---|---|---|---|
| 13 | 87 | CATLOW | | 1.08 | 7.61 | Pass | |
| 13 | 89 | CATLOW | | 1.08 | 8.49 | Pass | |
| 13 | 93 | Husky | V-34 | 0.98 | 8.06 | Pass | |
| 14 | 87 | CATLOW | | 1.02 | 8.13 | Pass | |
| 14 | 89 | CATLOW | | 1.02 | 7.86 | Pass | |
| 14 | 93 | CATLOW | | 1.01 | 8.06 | Pass | |
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Tester: Michael Collins
Certification #: 94341

Signature: Michael a. Collins
Test Date: 12/18/2012

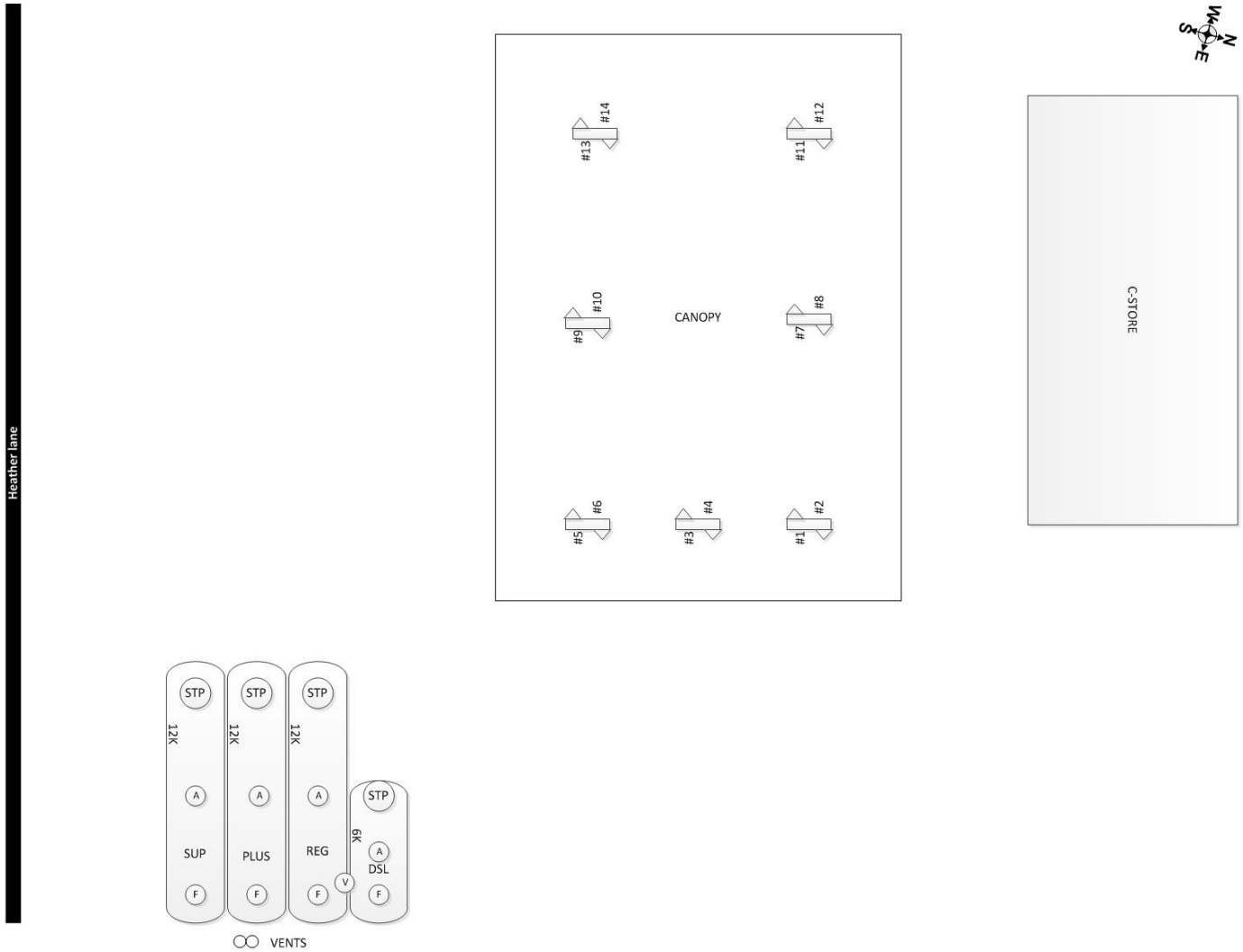
WO: 8505854

# Site Diagram

(This site diagram is for reference only and is not drawn to scale)

| | |
|---|---|
| Work Order: | 8505854 |
| Site ID / Name: | 20025 / Southside 20025 |
| Address: | 31 Heather Lane |
| City: | Perryville |

State: MD Zip: 21903



W.O.# MA2-8505854

**Tanknology Inc.**
8501 N. MoPac Expressway, Suite 400 Austin, TX 78759 (800) 964-0010

# JOB CLEARANCE FORM & SITE SAFETY CHECKLIST – OVF

Policy 100-29-A
Rev: D
Revised: 8/04/2008

| Site Name/#: | Street Address: | | | W.O. # |
|---|---|---|---|---|
| Southside 0:1 # 20025 | 31 Heather LN Perryville, MO | | | 8505854 |
| **Arrival Time:** | **Departure Time:** | **Travel Time:** | **Others on site:** | **Date** |
| 18:50 | 3:00 | 1.75 Hrs | | 12-18-12 |

Scope of Work and Tasks Performed (JSA's must be available for all tasks):
Test LDS, IV, PD A/L, ATG & SB

Repairs to Equipment or Parts Provided:
1 Hr. Labor, 1-EJSK-44CB, 1-532362424008OO

Follow-up actions required; equipment isolated; comments:
Vapor spill Buckets needs Hydro Test, Disp 5/6 : #9 Not A/L Tested - Out of Service

**PPE - PERSONAL PROTECTIVE EQUIPMENT REQUIRED (Check items used or mark ~ if not applicable)**

| | | | |
|---|---|---|---|
| ☑ Safety Vest | ☑ Safety Glasses | ☑ Gloves | ☐ Hearing Protection |
| ☑ Steel Toe Boots | ☑ Splash Goggles | ☐ Hard Hat | ☐ Other ____ |

## ✓ PRE-TEST PROCEDURES (Check each item completed or mark ~ if not applicable)

1. ☑ Discuss safety procedures with site personnel. Nearest hospital: ____
2. ☑ Prior to fuel deliveries the UST system must be placed back into working order.
3. ☑ Secure entire work area with barricades (cones, flags, and caution tape, pennant flags, or other perimeter guard).
4. ☑ Place fire extinguishers and "No Smoking" signs in the work area.
5. ☑ Implement Lockout/Tagout per API 1646 (when accessing product piping during tasks)
   - ☑ All applicable equipment disabled during test(s).
   - ☑ Secure nozzles with "Out of Service" bags and nylon ties.
   - ☑ Close ball valves or check valves on product piping.
   - ☑ Secure the circuit breaker(s) with lockout devices and tags.
   - ☑ Verify LOTO is complete by trying to operate pumps.
   - ☑ Disconnect electrical "bayonet" connector from the STP(s).

| SIGN IN | Lead Technician Name | Lead Technician Signature |
|---|---|---|
| **General Safety Checks:** | Michael a. Collins | |
| All site personnel have been informed. | **Site Representative Name** | **Site Representative Signature** |
| Fuel delivery has been informed. | Lauren Gobble | |
| Is a fuel delivery due today? | I have discussed job clearance form with technician. | |
| LOTO procedures have been discussed and agreed. | | |
| Work areas barricaded to protect workers, staff & public. | | |

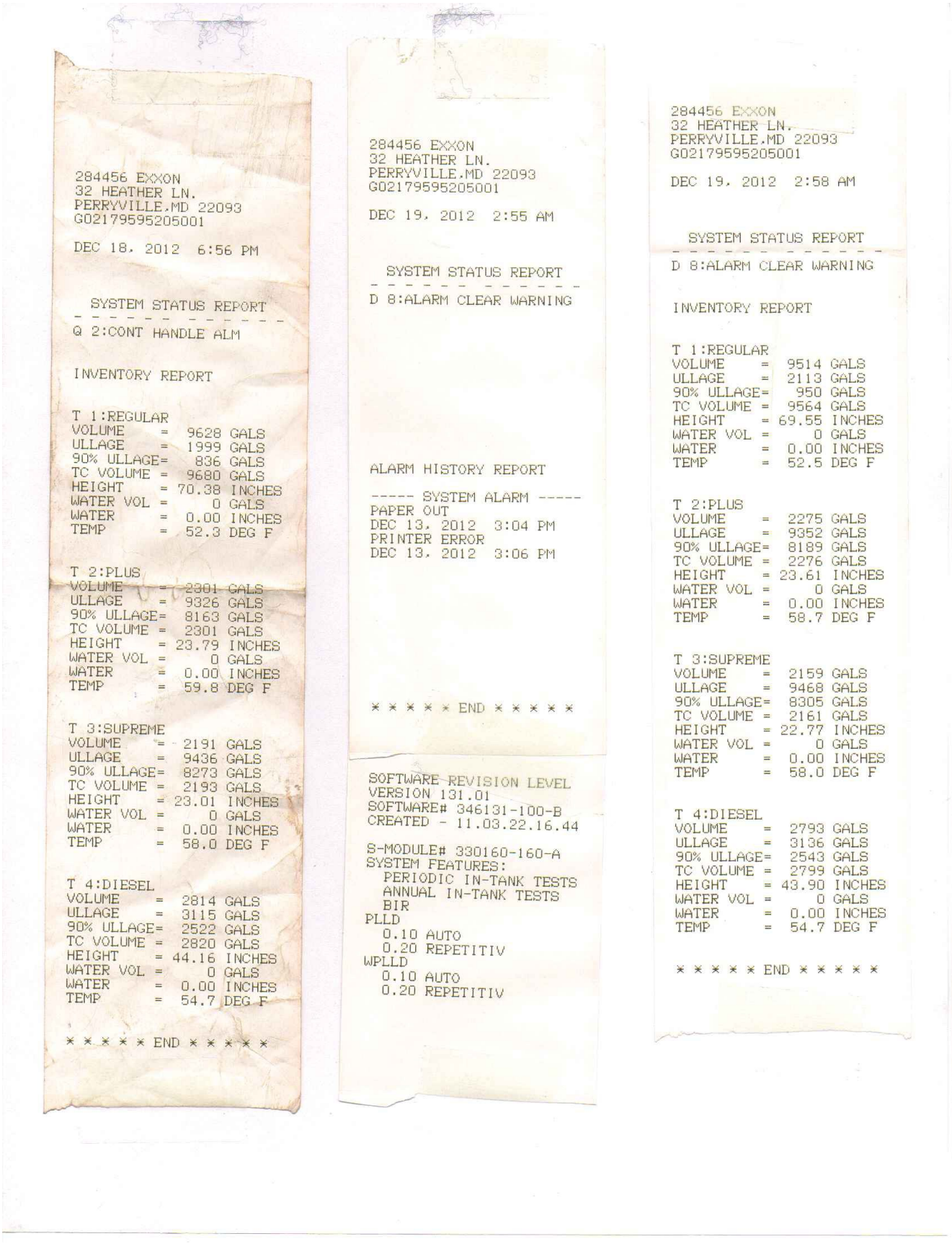
## ✓ POST-TEST PROCEDURES (Check each item completed or mark ~ if not applicable)

1. ☑ Remove all "Lockout/Tagout" devices.
2. ☑ Run all pumps and verify there are no leaks:
   - ☐ Leak Detector Threads on STP's
   - ☑ Impact Valve Test Ports under dispensers
   - ☐ Functional Elements & Relief Screws
3. ☑ Install lead wire seal on all test plugs & leak detectors that were serviced.
   Count LD threads: L1 ____ L2 ____ L3 ____ L4 ____ L5 ____ L6 ____
4. ☑ Check following components operational:
   - ☑ Ball floats, dry breaks & caps
   - ☑ Containment sumps are dry
   - ☑ Dispenser panels are replaced
   - ☐ Leak detectors & vent tubes
   - ☑ Monitoring system is operational
   - ☐ Siphon lines and manifold valves
   - ☐ STP fittings and bayonet connectors
   - ☑ ATG probes, sensors, & caps
   - ☐ Cathodic protection operational
   - ☑ Dispensers & POS operational
   - ☑ Drop tubes, fill adapters & caps
   - ☑ Manhole covers and sump lids
   - ☑ Shear valves are open
   - ☐ Siphon lines and manifold valves
   - ☑ Vents (not capped, plugged or isolated)
5. ☑ Remove barricades.

| SIGN OUT & Operator Verification of Work (OVF) | Lead Technician Name | Lead Technician Signature |
|---|---|---|
| **General Safety Checks:** | Michael a. Collins | |
| Work area has been left tidy & safe. | **Site Representative Name** | **Site Representative Signature** |
| Site staff are aware of work status including any remaining isolation. | Lauren Gobble | |
| Changes to equipment are documented and communicated. | | |
| All incidents, near incidents, and unsafe situations reported. | | |

Site Representative Comments:

W.O.# MA2-8505854



284456 EXXON
32 HEATHER LN.
PERRYVILLE.MD 22093
G02179595205001

DEC 18. 2012 6:56 PM

SYSTEM STATUS REPORT
- - - - - - - - - - - - - -
Q 2:CONT HANDLE ALM

INVENTORY REPORT

T 1:REGULAR
VOLUME = 9628 GALS
ULLAGE = 1999 GALS
90% ULLAGE= 836 GALS
TC VOLUME = 9680 GALS
HEIGHT = 70.38 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 52.3 DEG F

T 2:PLUS
VOLUME = 2301 GALS
ULLAGE = 9326 GALS
90% ULLAGE= 8163 GALS
TC VOLUME = 2301 GALS
HEIGHT = 23.79 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 59.8 DEG F

T 3:SUPREME
VOLUME = 2191 GALS
ULLAGE = 9436 GALS
90% ULLAGE= 8273 GALS
TC VOLUME = 2193 GALS
HEIGHT = 23.01 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 58.0 DEG F

T 4:DIESEL
VOLUME = 2814 GALS
ULLAGE = 3115 GALS
90% ULLAGE= 2522 GALS
TC VOLUME = 2820 GALS
HEIGHT = 44.16 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 54.7 DEG F

* * * * * END * * * * *

284456 EXXON
32 HEATHER LN.
PERRYVILLE.MD 22093
G02179595205001

DEC 19. 2012 2:55 AM

SYSTEM STATUS REPORT
- - - - - - - - - - - - - -
D 8:ALARM CLEAR WARNING

ALARM HISTORY REPORT

----- SYSTEM ALARM -----
PAPER OUT
DEC 13. 2012 3:04 PM
PRINTER ERROR
DEC 13. 2012 3:06 PM

* * * * * END * * * * *

SOFTWARE REVISION LEVEL
VERSION 131.01
SOFTWARE# 346131-100-B
CREATED - 11.03.22.16.44

S-MODULE# 330160-160-A
SYSTEM FEATURES:
PERIODIC IN-TANK TESTS
ANNUAL IN-TANK TESTS
BIR
PLLD
0.10 AUTO
0.20 REPETITIV
WPLLD
0.10 AUTO
0.20 REPETITIV

284456 EXXON
32 HEATHER LN.
PERRYVILLE.MD 22093
G02179595205001

DEC 19. 2012 2:58 AM

SYSTEM STATUS REPORT
- - - - - - - - - - - - - -
D 8:ALARM CLEAR WARNING

INVENTORY REPORT

T 1:REGULAR
VOLUME = 9514 GALS
ULLAGE = 2113 GALS
90% ULLAGE= 950 GALS
TC VOLUME = 9564 GALS
HEIGHT = 69.55 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 52.5 DEG F

T 2:PLUS
VOLUME = 2275 GALS
ULLAGE = 9352 GALS
90% ULLAGE= 8189 GALS
TC VOLUME = 2276 GALS
HEIGHT = 23.61 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 58.7 DEG F

T 3:SUPREME
VOLUME = 2159 GALS
ULLAGE = 9468 GALS
90% ULLAGE= 8305 GALS
TC VOLUME = 2161 GALS
HEIGHT = 22.77 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 58.0 DEG F

T 4:DIESEL
VOLUME = 2793 GALS
ULLAGE = 3136 GALS
90% ULLAGE= 2543 GALS
TC VOLUME = 2799 GALS
HEIGHT = 43.90 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 54.7 DEG F

* * * * * END * * * * *

W.O.# MA2-8505854

```
SYSTEM SETUP
- - - - - - - - - - - - -
DEC 18, 2012  6:57 PM


SYSTEM UNITS
 U.S.
SYSTEM LANGUAGE
 ENGLISH
SYSTEM DATE/TIME FORMAT
MON DD YYYY HH:MM:SS xM

284456 EXXON
32 HEATHER LN.
PERRYVILLE,MD 22093
G02179595205001

SHIFT TIME 1 : 12:00 AM
SHIFT TIME 2 : DISABLED
SHIFT TIME 3 : DISABLED
SHIFT TIME 4 : DISABLED

SHIFT BIR PRINTOUTS
DISABLED
DAILY BIR PRINTOUTS
DISABLED
TICKETED DELIVERY
DISABLED
TANK PER TST NEEDED WRN
DISABLED
TANK ANN TST NEEDED WRN
DISABLED

LINE RE-ENABLE METHOD
PASS LINE TEST

LINE PER TST NEEDED WRN
DISABLED
LINE ANN TST NEEDED WRN
DISABLED

PRINT TC VOLUMES
ENABLED

TEMP COMPENSATION
VALUE (DEG F ):   60.0
STICK HEIGHT OFFSET
DISABLED
ULLAGE: 90%

H-PROTOCOL DATA FORMAT
HEIGHT
PRECISION TEST DURATION
HOURS: 60
0.20 GPH LINE TEST
AUTO-CONFIRM: ENABLED
0.10 GPH LINE TEST
AUTO-CONFIRM: ENABLED
PRINT PRECISION LINE
TEST RESULTS: DISABLED
DAYLIGHT SAVING TIME
ENABLED
START DATE
MAR   WEEK 3   SUN
START TIME
 2:00 AM
END DATE
NOV   WEEK 1   SUN
END TIME
 2:00 AM

RE-DIRECT LOCAL PRINTOUT
DISABLED

EURO PROTOCOL PREFIX
S
```

```
SYSTEM SECURITY
CODE : 000000


TANK CHART SECURITY
DISABLED


CUSTOM ALARMS
DISABLED


SERVICE NOTICE
DISABLED


ISO 3166 COUNTRY
CODE:


MASS/DENSITY
DISABLED




COMMUNICATIONS SETUP
- - - - - - - - - - - - -


PORT SETTINGS:

COMM BOARD   : 2 (S-SAT )
 BAUD RATE   : 9600
 PARITY      : NONE
 STOP BIT    : 1 STOP
 DATA LENGTH: 8 DATA
RS-232 SECURITY
CODE : DISABLED
 DTR NORMAL STATE: HIGH

COMM BOARD   : 3 (S-SAT )
 BAUD RATE   : 9600
 PARITY      : NONE
 STOP BIT    : 1 STOP
 DATA LENGTH: 8 DATA
RS-232 SECURITY
CODE : DISABLED
 DTR NORMAL STATE: HIGH


RECEIVER SETUP:


D 8:VEEDER ROOT (FMS)
CALL 8606512828
RCVR TYPE:  COMPUTER
PORT  NO: 2
RETRY NO: 5
RETRY DELAY: 5
CONFIRMATION REPORT: OFF
```

```
AUTO DIAL TIME SETUP:


D 8:VEEDER ROOT (FMS)
DIAL ON DATE
NOV 26, 2012
DIAL TIME : 11:49 PM
RECEIVER REPORTS:




RS-232 END OF MESSAGE
DISABLED

AUTO DIAL ALARM SETUP
- - - - - - - - - - - - -

D 8:VEEDER ROOT (FMS)

IN-TANK ALARMS
 ALL:LEAK ALARM
 ALL:HIGH WATER ALARM
 ALL:OVERFILL ALARM
 ALL:LOW PRODUCT ALARM
 ALL:SUDDEN LOSS ALARM
 ALL:HIGH PRODUCT ALARM
 ALL:INVALID FUEL LEVEL
 ALL:PROBE OUT
 ALL:HIGH WATER WARNING
 ALL:DELIVERY NEEDED
 ALL:MAX PRODUCT ALARM
 ALL:GROSS TEST FAIL
 ALL:PERIODIC TEST FAIL
 ALL:ANNUAL TEST FAIL
 ALL:PER TST NEEDED WRN
 ALL:ANN TST NEEDED WRN
 ALL:PER TST NEEDED ALM
 ALL:ANN TST NEEDED ALM
 ALL:TANK TEST ACTIVE
 ALL:NO CSLD IDLE TIME
 ALL:TANK SIPHON BREAK
 ALL:CSLD INCR RATE WARN
 ALL:ACCU_CHART CAL WARN
 ALL:RECON WARNING
 ALL:RECON ALARM
 ALL:LOW TEMP WARNING
 ALL:MISSING TICKET WARN
 ALL:GROSS FAIL LINE TNK


LIQUID SENSOR ALMS
 ALL:FUEL ALARM
 ALL:SENSOR OUT ALARM
 ALL:SHORT ALARM
 ALL:WATER ALARM
 ALL:WATER OUT ALARM
 ALL:HIGH LIQUID ALARM
 ALL:LOW LIQUID ALARM
 ALL:LIQUID WARNING

RECEIVER ALARMS
 SERVICE REPORT WARN
 ALARM CLEAR WARNING
 DELIVERY REPORT WRN
 NO DIAL TONE ALARM
```

W.O.# MA2-8505854

PRESSURE LINE LEAK
ALL:GROSS LINE FAIL
ALL:ANNUAL LINE FAIL
ALL:PER TST NEEDED WRN
ALL:PER TST NEEDED ALM
ALL:PLLD OPEN ALARM
ALL:UNKNOWN ALARM
ALL:PLLD SHUTDOWN ALARM
ALL:UNKNOWN ALARM
ALL:UNKNOWN ALARM
ALL:PERIODIC LINE FAIL
ALL:ANN TST NEEDED WRN
ALL:ANN TST NEEDED ALM
ALL:LOW PRESSURE ALARM
ALL:UNKNOWN ALARM
ALL:CONT HANDLE ALM
ALL:FUEL OUT
ALL:LN EQUIP FAULT ALM

SMARTSENSOR ALARMS
ALL:SETUP DATA WARNING

ALL:COMMUNICATION ALARM
ALL:SENSOR FAULT ALARM
ALL:FUEL WARNING
ALL:FUEL ALARM
ALL:WATER WARNING
ALL:WATER ALARM
ALL:HIGH LIQUID WARNING
ALL:HIGH LIQUID ALARM
ALL:LOW LIQUID WARNING
ALL:LOW LIQUID ALARM
ALL:TEMPERATURE WARNING
ALL:RELAY ACTIVE
ALL:INSTALL ALARM
ALL:SENSOR FAULT WARN
ALL:VACUUM WARNING
ALL:NO VACUUM ALARM

IN-TANK SETUP

T 1:REGULAR
PRODUCT CODE : 1
THERMAL COEFF :.000700
TANK DIAMETER : 92.00
TANK PROFILE : 4 PTS
FULL VOL : 11627
69.0 INCH VOL : 9438
46.0 INCH VOL : 5814
23.0 INCH VOL : 2190
METER DATA : YES
END FACTOR: NONE
CAL UPDATE: NEVER

FLOAT SIZE: 4.0 IN.

WATER WARNING : 1.0
HIGH WATER LIMIT: 2.0
WATER ALARM FILTER: LOW

MAX OR LABEL VOL: 11627
OVERFILL LIMIT : 90%
: 10464
HIGH PRODUCT : 100%
: 11627
DELIVERY LIMIT : 3%
: 449

LOW PRODUCT : 449
LEAK ALARM LIMIT: 15
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 25%
: 2906

LEAK MIN ANNUAL : 50%
: 5813

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM ENABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

T 2:PLUS
PRODUCT CODE : 2
THERMAL COEFF :.000700
TANK DIAMETER : 92.00
TANK PROFILE : 4 PTS
FULL VOL : 11627
69.0 INCH VOL : 9438
46.0 INCH VOL : 5814
23.0 INCH VOL : 2190
METER DATA : YES
END FACTOR: NONE
CAL UPDATE: NEVER

FLOAT SIZE: 4.0 IN.

WATER WARNING : 1.0
HIGH WATER LIMIT: 2.0
WATER ALARM FILTER: LOW

MAX OR LABEL VOL: 11627
OVERFILL LIMIT : 90%
: 10464
HIGH PRODUCT : 100%
: 11627
DELIVERY LIMIT : 3%
: 449

LOW PRODUCT : 449
LEAK ALARM LIMIT: 15
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 25%
: 2906

LEAK MIN ANNUAL : 50%
: 5813

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM ENABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

W.O.# MA2-8505854

T 3:SUPREME
PRODUCT CODE : 3
THERMAL COEFF :.000700
TANK DIAMETER : 92.00
TANK PROFILE : 4 PTS
FULL VOL : 11627
69.0 INCH VOL : 9438
46.0 INCH VOL : 5814
23.0 INCH VOL : 2190
METER DATA : YES
END FACTOR: NONE
CAL UPDATE: NEVER

FLOAT SIZE: 4.0 IN.

WATER WARNING : 1.0
HIGH WATER LIMIT: 2.0
WATER ALARM FILTER: LOW

MAX OR LABEL VOL: 11627
OVERFILL LIMIT : 90%
: 10464
HIGH PRODUCT : 100%
: 11627
DELIVERY LIMIT : 3%
: 449

LOW PRODUCT : 449
LEAK ALARM LIMIT: 15
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 25%
: 2906

LEAK MIN ANNUAL : 50%
: 5813

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM ENABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

T 4:DIESEL
PRODUCT CODE : 4
THERMAL COEFF :.000450
TANK DIAMETER : 92.00
TANK PROFILE : 1 PT
FULL VOL : 5929
METER DATA : YES
END FACTOR: NONE
CAL UPDATE: NEVER

FLOAT SIZE: 4.0 IN.

WATER WARNING : 1.0
HIGH WATER LIMIT: 2.0
WATER ALARM FILTER: LOW

MAX OR LABEL VOL: 5929
OVERFILL LIMIT : 90%
: 5336
HIGH PRODUCT : 100%
: 5929
DELIVERY LIMIT : 4%
: 251

LOW PRODUCT : 251
LEAK ALARM LIMIT: 15
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 25%
: 1482

LEAK MIN ANNUAL : 50%
: 2964

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM ENABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

LEAK TEST METHOD
- - - - - - - - - - - -
TEST CSLD : ALL TANK
Pd = 95%
CLIMATE FACTOR:MODERATE

GROSS TEST
AUTO-CONFIRM: DISABLED

REPORT ONLY:
DISABLED

TST EARLY STOP:DISABLED

LEAK TEST REPORT FORMAT
NORMAL

PRESSURE LINE LEAK SETUP
- - - - - - - - - - - -

Q 1:REGULAR

TYP:2.0/3.0IN FIBERGLASS
2.0IN DIA LEN: 383 FEET

3.0IN DIA LEN: 0 FEET

0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE: 3.0 GPH
LOW PRESSURE SHUTOFF:YES
LOW PRESSURE : 5 PSI

T 1:REGULAR
DISPENSE MODE:
STANDARD
SENSOR: HIGH PRESSURE
PRESSURE OFFSET: 0.0PSI

MECHANICAL BLENDER: NO

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```
Q 2:PLUS

TYP:2.0/3.0IN FIBERGLASS
2.0IN DIA LEN: 388 FEET

3.0IN DIA LEN:    0 FEET

0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE:  3.0 GPH
LOW PRESSURE SHUTOFF:YES
LOW PRESSURE :    5 PSI

T 2:PLUS
DISPENSE MODE:
  STANDARD
SENSOR: HIGH PRESSURE
PRESSURE OFFSET: 0.0PSI

MECHANICAL BLENDER: NO
```

```
Q 3:SUPREME

TYP:2.0/3.0IN FIBERGLASS
2.0IN DIA LEN: 343 FEET

3.0IN DIA LEN:    0 FEET

0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE:  3.0 GPH
LOW PRESSURE SHUTOFF:YES
LOW PRESSURE :    5 PSI

T 3:SUPREME
DISPENSE MODE:
  STANDARD
SENSOR: HIGH PRESSURE
PRESSURE OFFSET: 0.0PSI

MECHANICAL BLENDER: NO
```

```
Q 4:DIESEL

TYP:2.0/3.0IN FIBERGLASS
2.0IN DIA LEN: 265 FEET

3.0IN DIA LEN:    0 FEET

0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE:  3.0 GPH
LOW PRESSURE SHUTOFF:YES
LOW PRESSURE :    5 PSI

T 4:DIESEL
DISPENSE MODE:
  STANDARD
SENSOR: HIGH PRESSURE
PRESSURE OFFSET: 0.0PSI

MECHANICAL BLENDER: NO
```

```
LINE LEAK LOCKOUT SETUP
- - - - - - - - - - - -
LOCKOUT SCHEDULE
DAILY
START TIME: DISABLED
STOP TIME : DISABLED
```

```
LIQUID SENSOR SETUP
- - - - - - - - - - - - -

L 1:DISP.1-2
DUAL FLT. HIGH VAPOR
CATEGORY : DISPENSER PAN

L 2:DISP. 3-4 DIESEL
DUAL FLT. HIGH VAPOR
CATEGORY : DISPENSER PAN

L 3:DISP. 5-6
DUAL FLT. HIGH VAPOR
CATEGORY : DISPENSER PAN

L 4:DISP. 7-8
DUAL FLT. HIGH VAPOR
CATEGORY : DISPENSER PAN

L 5:DISP.9-10
DUAL FLT. HIGH VAPOR
CATEGORY : DISPENSER PAN

L 6:DISP. 11-12
DUAL FLT. HIGH VAPOR
CATEGORY : DISPENSER PAN

L 7:DISP. 13-14
DUAL FLT. HIGH VAPOR
CATEGORY : DISPENSER PAN

L 9:REGULAR ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

L11:SUPREME ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

L12:DIESEL ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

L13:PLUS ANNULLAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE
```

```
OUTPUT RELAY SETUP
- - - - - - - - - - - -

R 1:INSIDE ALARM
TYPE:
  STANDARD
NORMALLY OPEN

IN-TANK ALARMS
 ALL:HIGH WATER ALARM
 ALL:SUDDEN LOSS ALARM
 ALL:PROBE OUT
 ALL:HIGH WATER WARNING
 ALL:GROSS TEST FAIL
 ALL:PERIODIC TEST FAIL
 ALL:ANNUAL TEST FAIL
 ALL:PER TST NEEDED WRN
 ALL:ANN TST NEEDED WRN
 ALL:PER TST NEEDED ALM
 ALL:ANN TST NEEDED ALM
 ALL:CSLD INCR RATE WARN

LIQUID SENSOR ALMS
 ALL:FUEL ALARM
 ALL:SENSOR OUT ALARM
 ALL:WATER ALARM
 ALL:HIGH LIQUID ALARM

PRESSURE LINE LEAK
 ALL:GROSS LINE FAIL
 ALL:ANNUAL LINE FAIL
 ALL:PER TST NEEDED WRN
 ALL:PLLD SHUTDOWN ALARM
 ALL:FUEL OUT

SMARTSENSOR ALARMS
 ALL:COMMUNICATION ALARM
 ALL:FUEL WARNING
 ALL:FUEL ALARM
 ALL:WATER WARNING

 ALL:WATER ALARM
 ALL:HIGH LIQUID WARNING
 ALL:HIGH LIQUID ALARM
 ALL:INSTALL ALARM
```

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PLLD LINE DISABLE SETUP
- - - - - - - - - - - - - -

Q 1:REGULAR

IN-TANK ALARMS
T 1:HIGH WATER ALARM
T 1:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L 1:FUEL ALARM
L 3:FUEL ALARM
L 4:FUEL ALARM
L 5:FUEL ALARM
L 6:FUEL ALARM
L 7:FUEL ALARM
L 9:FUEL ALARM
L 1:HIGH LIQUID ALARM
L 3:HIGH LIQUID ALARM
L 4:HIGH LIQUID ALARM
L 5:HIGH LIQUID ALARM
L 6:HIGH LIQUID ALARM
L 7:HIGH LIQUID ALARM

SMARTSENSOR ALARMS
s 1:FUEL ALARM
s 1:WATER ALARM

Q 2:PLUS

IN-TANK ALARMS
T 2:HIGH WATER ALARM
T 2:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L 1:FUEL ALARM
L 3:FUEL ALARM
L 4:FUEL ALARM
L 5:FUEL ALARM
L 6:FUEL ALARM
L 7:FUEL ALARM
L13:FUEL ALARM
L 1:HIGH LIQUID ALARM
L 3:HIGH LIQUID ALARM
L 4:HIGH LIQUID ALARM
L 5:HIGH LIQUID ALARM
L 6:HIGH LIQUID ALARM
L 7:HIGH LIQUID ALARM

SMARTSENSOR ALARMS
s 2:FUEL ALARM
s 2:WATER ALARM

Q 3:SUPREME

IN-TANK ALARMS
T 3:HIGH WATER ALARM
T 3:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L 1:FUEL ALARM
L 3:FUEL ALARM
L 4:FUEL ALARM
L 5:FUEL ALARM
L 6:FUEL ALARM
L 7:FUEL ALARM
L11:FUEL ALARM
L 1:HIGH LIQUID ALARM
L 3:HIGH LIQUID ALARM
L 4:HIGH LIQUID ALARM
L 5:HIGH LIQUID ALARM
L 6:HIGH LIQUID ALARM
L 7:HIGH LIQUID ALARM

Q 4:DIESEL

IN-TANK ALARMS
T 4:HIGH WATER ALARM
T 4:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L 2:FUEL ALARM
L12:FUEL ALARM
L 2:HIGH LIQUID ALARM

SMARTSENSOR ALARMS
s 4:FUEL ALARM
s 4:WATER ALARM

RECONCILIATION SETUP
- - - - - - - - - - - - - -

AUTOMATIC DAILY CLOSING
TIME: 2:00 AM

AUTO SHIFT #1 CLOSING
TIME: DISABLED

AUTO SHIFT #2 CLOSING
TIME: DISABLED

AUTO SHIFT #3 CLOSING
TIME: DISABLED

AUTO SHIFT #4 CLOSING
TIME: 12:00 AM

PERIODIC RECONCILIATION
MODE: MONTHLY
ALARM: DISABLED

TEMP COMPENSATION
STANDARD
METER CALIBRATION
OFFSET: 0.000%

BUS SLOT FUEL METER TANK
- - - - - - - - - - - - - -
TANK MAP EMPTY

SMARTSENSOR SETUP
- - - - - - - - - - - - - -

s 1:REGULAR STP SUMP
CATEGORY MAG SENSOR

ALM UPGRADE DELAY 504
PROGRAMMABLE YES

MIN THRESHOLD 1.7
MAX THRESHOLD 22.0

FUEL ALARM
FUEL HT > 1.6
PROGRAMMABLE NO
UPGRADE NO

WATER WARNING
WATER HT > 2.0
PROGRAMMABLE YES
UPGRADE YES

WATER ALARM
WATER HT > 20.0
PROGRAMMABLE YES
UPGRADE NO

INSTALL ALARM
INSTALL POS > 4.0
PROGRAMMABLE NO
UPGRADE NO

s 2:PLUS STP SUMP
CATEGORY MAG SENSOR

ALM UPGRADE DELAY 504
PROGRAMMABLE YES

MIN THRESHOLD 1.7
MAX THRESHOLD 22.0

FUEL ALARM
FUEL HT > 1.6
PROGRAMMABLE NO
UPGRADE NO

WATER WARNING
WATER HT > 2.0
PROGRAMMABLE YES
UPGRADE YES

WATER ALARM
WATER HT > 20.0
PROGRAMMABLE YES
UPGRADE NO

INSTALL ALARM
INSTALL POS > 4.0
PROGRAMMABLE NO
UPGRADE NO

s 3:SUPREME STP SUMP
CATEGORY MAG SENSOR

ALM UPGRADE DELAY 504
PROGRAMMABLE YES

MIN THRESHOLD 1.7
MAX THRESHOLD 22.0

FUEL ALARM
FUEL HT > 1.6
PROGRAMMABLE NO
UPGRADE NO

WATER WARNING
WATER HT > 2.0
PROGRAMMABLE YES
UPGRADE YES

WATER ALARM
WATER HT > 20.0
PROGRAMMABLE YES
UPGRADE NO

INSTALL ALARM
INSTALL POS > 4.0
PROGRAMMABLE NO
UPGRADE NO

s 4:DIESEL STP SUMP
CATEGORY MAG SENSOR

ALM UPGRADE DELAY 504
PROGRAMMABLE YES

MIN THRESHOLD 1.7
MAX THRESHOLD 22.0

FUEL ALARM
FUEL HT > 1.6
PROGRAMMABLE NO
UPGRADE NO

WATER WARNING
WATER HT > 2.0
PROGRAMMABLE YES
UPGRADE YES

WATER ALARM
WATER HT > 20.0
PROGRAMMABLE YES
UPGRADE NO

INSTALL ALARM
INSTALL POS > 4.0
PROGRAMMABLE NO
UPGRADE NO

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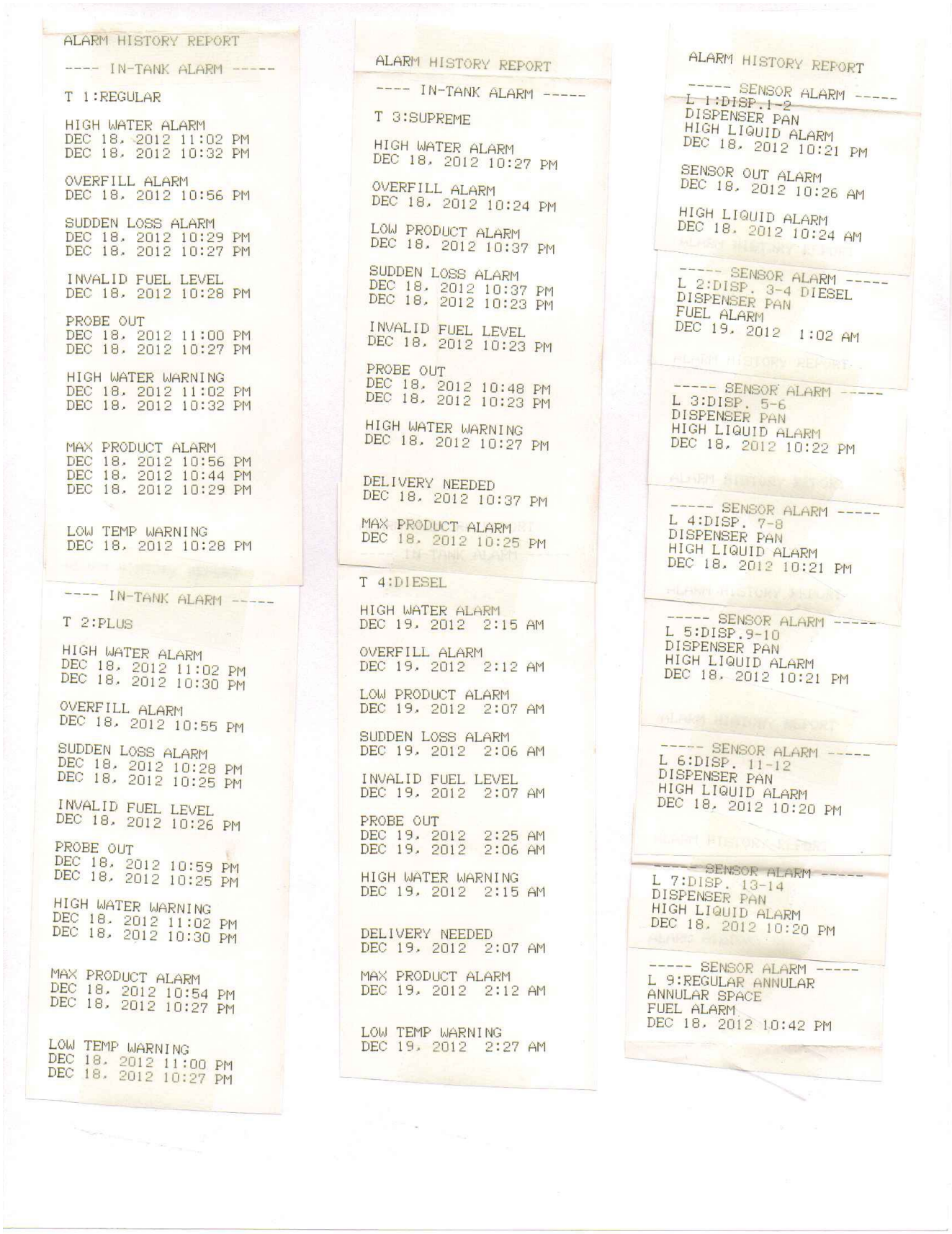

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 1:REGULAR

HIGH WATER ALARM
DEC 18, 2012 11:02 PM
DEC 18, 2012 10:32 PM

OVERFILL ALARM
DEC 18, 2012 10:56 PM

SUDDEN LOSS ALARM
DEC 18, 2012 10:29 PM
DEC 18, 2012 10:27 PM

INVALID FUEL LEVEL
DEC 18, 2012 10:28 PM

PROBE OUT
DEC 18, 2012 11:00 PM
DEC 18, 2012 10:27 PM

HIGH WATER WARNING
DEC 18, 2012 11:02 PM
DEC 18, 2012 10:32 PM

MAX PRODUCT ALARM
DEC 18, 2012 10:56 PM
DEC 18, 2012 10:44 PM
DEC 18, 2012 10:29 PM

LOW TEMP WARNING
DEC 18, 2012 10:28 PM

---- IN-TANK ALARM -----

T 2:PLUS

HIGH WATER ALARM
DEC 18, 2012 11:02 PM
DEC 18, 2012 10:30 PM

OVERFILL ALARM
DEC 18, 2012 10:55 PM

SUDDEN LOSS ALARM
DEC 18, 2012 10:28 PM
DEC 18, 2012 10:25 PM

INVALID FUEL LEVEL
DEC 18, 2012 10:26 PM

PROBE OUT
DEC 18, 2012 10:59 PM
DEC 18, 2012 10:25 PM

HIGH WATER WARNING
DEC 18, 2012 11:02 PM
DEC 18, 2012 10:30 PM

MAX PRODUCT ALARM
DEC 18, 2012 10:54 PM
DEC 18, 2012 10:27 PM

LOW TEMP WARNING
DEC 18, 2012 11:00 PM
DEC 18, 2012 10:27 PM

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 3:SUPREME

HIGH WATER ALARM
DEC 18, 2012 10:27 PM

OVERFILL ALARM
DEC 18, 2012 10:24 PM

LOW PRODUCT ALARM
DEC 18, 2012 10:37 PM

SUDDEN LOSS ALARM
DEC 18, 2012 10:37 PM
DEC 18, 2012 10:23 PM

INVALID FUEL LEVEL
DEC 18, 2012 10:23 PM

PROBE OUT
DEC 18, 2012 10:48 PM
DEC 18, 2012 10:23 PM

HIGH WATER WARNING
DEC 18, 2012 10:27 PM

DELIVERY NEEDED
DEC 18, 2012 10:37 PM

MAX PRODUCT ALARM
DEC 18, 2012 10:25 PM

T 4:DIESEL

HIGH WATER ALARM
DEC 19, 2012 2:15 AM

OVERFILL ALARM
DEC 19, 2012 2:12 AM

LOW PRODUCT ALARM
DEC 19, 2012 2:07 AM

SUDDEN LOSS ALARM
DEC 19, 2012 2:06 AM

INVALID FUEL LEVEL
DEC 19, 2012 2:07 AM

PROBE OUT
DEC 19, 2012 2:25 AM
DEC 19, 2012 2:06 AM

HIGH WATER WARNING
DEC 19, 2012 2:15 AM

DELIVERY NEEDED
DEC 19, 2012 2:07 AM

MAX PRODUCT ALARM
DEC 19, 2012 2:12 AM

LOW TEMP WARNING
DEC 19, 2012 2:27 AM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 1:DISP.1-2
DISPENSER PAN
HIGH LIQUID ALARM
DEC 18, 2012 10:21 PM

SENSOR OUT ALARM
DEC 18, 2012 10:26 AM

HIGH LIQUID ALARM
DEC 18, 2012 10:24 AM

----- SENSOR ALARM -----
L 2:DISP. 3-4 DIESEL
DISPENSER PAN
FUEL ALARM
DEC 19, 2012 1:02 AM

----- SENSOR ALARM -----
L 3:DISP. 5-6
DISPENSER PAN
HIGH LIQUID ALARM
DEC 18, 2012 10:22 PM

----- SENSOR ALARM -----
L 4:DISP. 7-8
DISPENSER PAN
HIGH LIQUID ALARM
DEC 18, 2012 10:21 PM

----- SENSOR ALARM -----
L 5:DISP.9-10
DISPENSER PAN
HIGH LIQUID ALARM
DEC 18, 2012 10:21 PM

----- SENSOR ALARM -----
L 6:DISP. 11-12
DISPENSER PAN
HIGH LIQUID ALARM
DEC 18, 2012 10:20 PM

----- SENSOR ALARM -----
L 7:DISP. 13-14
DISPENSER PAN
HIGH LIQUID ALARM
DEC 18, 2012 10:20 PM

----- SENSOR ALARM -----
L 9:REGULAR ANNULAR
ANNULAR SPACE
FUEL ALARM
DEC 18, 2012 10:42 PM

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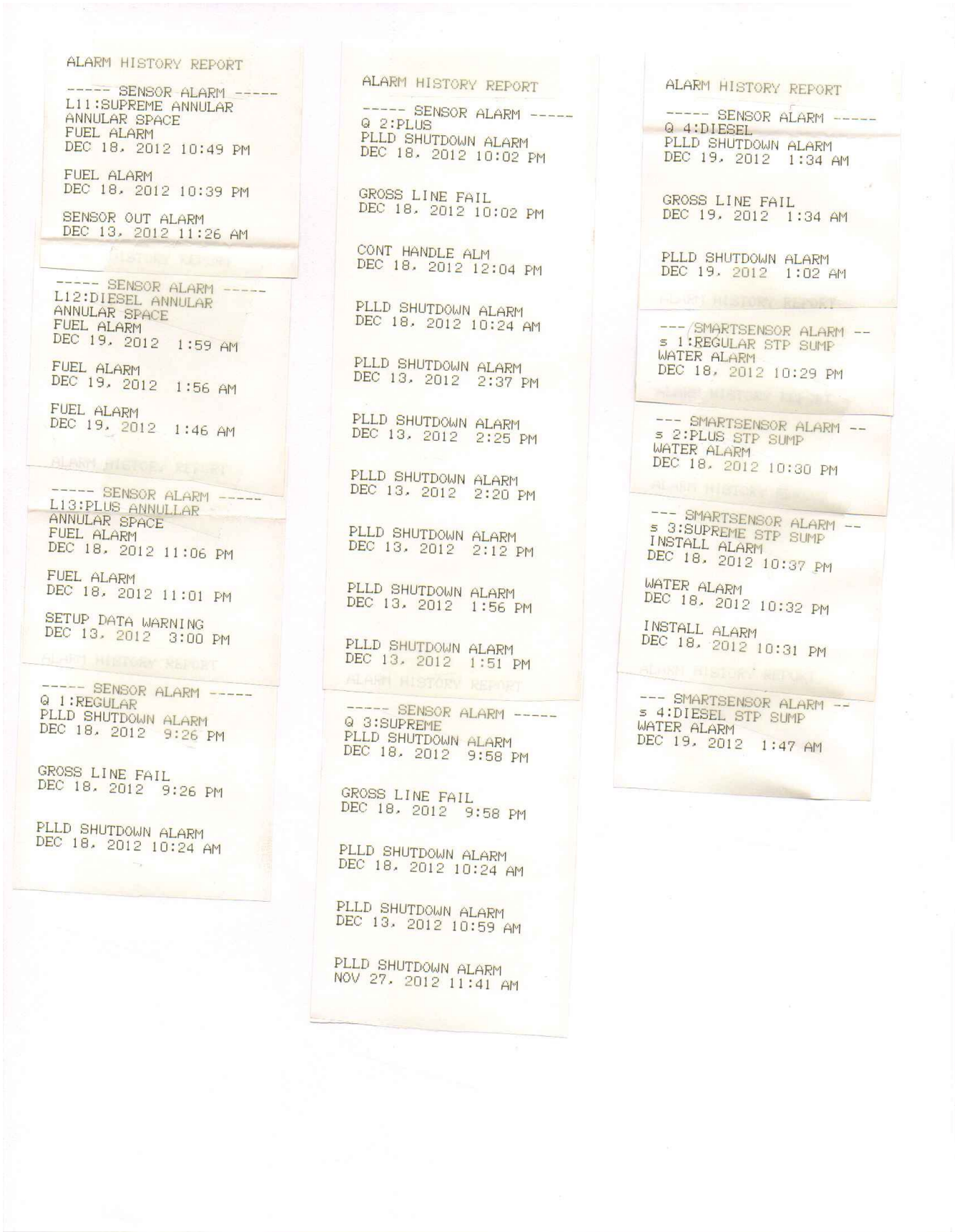


ALARM HISTORY REPORT

----- SENSOR ALARM -----
L11:SUPREME ANNULAR
ANNULAR SPACE
FUEL ALARM
DEC 18, 2012 10:49 PM

FUEL ALARM
DEC 18, 2012 10:39 PM

SENSOR OUT ALARM
DEC 13, 2012 11:26 AM

----- SENSOR ALARM -----
L12:DIESEL ANNULAR
ANNULAR SPACE
FUEL ALARM
DEC 19, 2012 1:59 AM

FUEL ALARM
DEC 19, 2012 1:56 AM

FUEL ALARM
DEC 19, 2012 1:46 AM

----- SENSOR ALARM -----
L13:PLUS ANNULLAR
ANNULAR SPACE
FUEL ALARM
DEC 18, 2012 11:06 PM

FUEL ALARM
DEC 18, 2012 11:01 PM

SETUP DATA WARNING
DEC 13, 2012 3:00 PM

----- SENSOR ALARM -----
Q 1:REGULAR
PLLD SHUTDOWN ALARM
DEC 18, 2012 9:26 PM

GROSS LINE FAIL
DEC 18, 2012 9:26 PM

PLLD SHUTDOWN ALARM
DEC 18, 2012 10:24 AM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 2:PLUS
PLLD SHUTDOWN ALARM
DEC 18, 2012 10:02 PM

GROSS LINE FAIL
DEC 18, 2012 10:02 PM

CONT HANDLE ALM
DEC 18, 2012 12:04 PM

PLLD SHUTDOWN ALARM
DEC 18, 2012 10:24 AM

PLLD SHUTDOWN ALARM
DEC 13, 2012 2:37 PM

PLLD SHUTDOWN ALARM
DEC 13, 2012 2:25 PM

PLLD SHUTDOWN ALARM
DEC 13, 2012 2:20 PM

PLLD SHUTDOWN ALARM
DEC 13, 2012 2:12 PM

PLLD SHUTDOWN ALARM
DEC 13, 2012 1:56 PM

PLLD SHUTDOWN ALARM
DEC 13, 2012 1:51 PM

----- SENSOR ALARM -----
Q 3:SUPREME
PLLD SHUTDOWN ALARM
DEC 18, 2012 9:58 PM

GROSS LINE FAIL
DEC 18, 2012 9:58 PM

PLLD SHUTDOWN ALARM
DEC 18, 2012 10:24 AM

PLLD SHUTDOWN ALARM
DEC 13, 2012 10:59 AM

PLLD SHUTDOWN ALARM
NOV 27, 2012 11:41 AM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 4:DIESEL
PLLD SHUTDOWN ALARM
DEC 19, 2012 1:34 AM

GROSS LINE FAIL
DEC 19, 2012 1:34 AM

PLLD SHUTDOWN ALARM
DEC 19, 2012 1:02 AM

---/SMARTSENSOR ALARM --
s 1:REGULAR STP SUMP
WATER ALARM
DEC 18, 2012 10:29 PM

--- SMARTSENSOR ALARM --
s 2:PLUS STP SUMP
WATER ALARM
DEC 18, 2012 10:30 PM

--- SMARTSENSOR ALARM --
s 3:SUPREME STP SUMP
INSTALL ALARM
DEC 18, 2012 10:37 PM

WATER ALARM
DEC 18, 2012 10:32 PM

INSTALL ALARM
DEC 18, 2012 10:31 PM

--- SMARTSENSOR ALARM --
s 4:DIESEL STP SUMP
WATER ALARM
DEC 19, 2012 1:47 AM

**Spigler Petroleum Equipment, LLC**
**125 Airport Dr., Suite 36, Westminster, MD 21157**
**Phone: 443.471.7600 Fax: 410.848.4956**

# Spill Bucket Testing Report Form

*This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.*

## 1. FACILITY INFORMATION

| | |
|---|---|
| Facility Name: PILOT OIL EXXON 20025 | Date of Testing: 4/23/13 |
| Facility Address: 31 Heather Lane Perryville MD 21903 | |
| Facility Contact: James Bowers | Phone: |
| Name of Local Agency Inspector *(if present during testing)*: N/A | |

## 2. TESTING CONTRACTOR INFORMATION

| | |
|---|---|
| Company Name: Spigler Petroleum Equipment | |
| Technician Conducting Test: Donald M. Beard | |
| Credentials: ✓MDE UST Tech | Other *(Specify)* |
| License Number(s): MDIC 2013-1294 T | |

## 3. SPILL BUCKET TESTING INFORMATION

| | | | |
|---|---|---|---|
| Test Method Used: | ✓Hydrostatic | Vacuum | Other |
| Weather Conditions/Temp: | CLOUDY 45° | | Equipment Resolution: |

| Identify Spill Bucket *(By Tank Number, Stored Product, etc.)* | 1 VAPOR | 2 | 3 | 4 |
|---|---|---|---|---|
| Bucket Installation Type: | Direct Bury ✓Contained in Sump | Direct Bury Contained in Sump | Direct Bury Contained in Sump | Direct Bury Contained in Sump |
| Manufacturer: | OPW | | | |
| Size: (Gallons) | 5 gal. | | | |
| Test Start Time: | 7:20 am | | | |
| Initial Reading: | 10 7/8" | | | |
| Test End Time: | 8:20 am | | | |
| Final Reading: | 10 7/8" | | | |
| Test Duration: | 1 hr. | | | |
| Change in Reading: | 0 | | | |
| Pass/Fail Threshold or Criteria: | 1/8" | | | |
| **Test Result:** | ☒ **Pass** ☐ **Fail** | ☐ **Pass** ☐ **Fail** | ☐ **Pass** ☐ **Fail** | ☐ **Pass** ☐ **Fail** |

**Comments** – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

NEXT TEST DUE: APR. 2014

**CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING**

***I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.***

Technician's Signature: _____ Date: 4/23/13

# Testing and Inspection Certificate

Tanknology Inc.
11000 North MoPac Expressway, Suite 500, Austin, TX 78759
800-800-4633 www.tanknology.com



| | | | |
|---|---|---|---|
| Test Date | 8/23/2013 | Tanknology WO# | MA2-8515612 |
| Test Purpose | RE-TEST | Customer PO# | |

Customer
SOUTHSIDE OIL
1011 BOULDER SPRINGS DRIVE
SUITE 100
RICHMOND, VA 23225
Attn: LEE ACORS
(804) 706-4702

Location
Southside 20025
31 Heather Lane
Perryville, MD 21903
Attn:
(410) 642-2883

| Test / Inspection Description | Item Tested | Date Tested | Result |
|---|---|---|---|
| Pressure Decay | See test report for details | 8/23/2013 | Pass |
| Helium Decay Test | See test report for details | 8/23/2013 | Pass |

Tanknology Representative:
Telephone:
Technician: Donte Moore
Technician Certification: (See forms)

# Stage II Testing Results Summary Page

**Facility Information**

Facility Name: Southside 20025 ARMA Premise No.: 20025

Address: 31 Heather Lane Perryville MD 21903

Contact/Title: __ Phone: 410-642-2883

**Other Contact Information**

Name: __ Title: __

Address: __

Phone: __

**Testing Information**

Testing Company: TANKNOLOGY INC. Phone: (800) 800-4633

Address: 11000 N.MOPAC EXPWY #500 AUSTIN TX 78759

Contact: Theodore Bezel Test conducted by: Donte Moore

Stage II System Type: ARMA Notification Date: Emailed by Theodore Bezel

| Test | Performed (Y or N) | Date | Pass or Fail? | Comments |
|---|---|---|---|---|
| Dynamic Back Pressure | | | | |
| Leak Test (Pressure Decay) | Yes | 8/23/2013 | Pass | |
| Liquid Blockage Test | | | | |
| Air to Liquid Ratio | | | | |
| Healy Nozzle Regulation Test | | | | |
| Vapor Return Leak Tightness Test | | | | |
| Vapor Return Line Vacuum Integrity test | | | | |

WO: 8515612

# 2"wc Pressure Decay Test

## Store Information

Site Name: Southside 20025
Address: 31 Heather Lane, Perryville MD 21903
Phone: 642-2883

## Testing Company

Name: TANKNOLOGY INC.
Address: 11000 N. MOPAC EXPRESSWAY, SUITE 500, AUSTIN, TX 78759
Phone: (512) 451-6334

Phase I System?
Phase II System? ASSIST
Total # of Nozzles 36
Products per Nozzle 1

Vapor System Manifolded ? Yes
Vapor Pot Present? NO
Total # of Gas Tanks 3

| Tank Information | | 1 | 2 | 3 | | Total |
|---|---|---|---|---|---|---|
| 1. | Product Grade | REGULAR | PLUS | SUPREME | | |
| 2. | Actual Tank Capacity, gallons | 11627 | 11627 | 11627 | | 34881 |
| 3. | Gasoline Volume, gallons | 6853 | 3025 | 2681 | | 12559 |
| 4. | Ullage, **(V)** gallons (line #2 minus line#3) | 4774 | 8602 | 8946 | | 22322 |
| **Test Information** | | **1** | **2** | **3** | | **All** |
| 5. | Start Time | 13:38 | | | | 13:38 |
| 6. | Initial Test Pressure, inches H2O | 2.00 | | | | 2.00 |
| 7. | Pressure after 1 minute, inches H2O | 2.00 | | | | 2.00 |
| 8. | Pressure after 2 minutes, inches H2O | 1.99 | | | | 1.99 |
| 9. | Pressure after 3 minutes, inches H2O | 1.98 | | | | 1.98 |
| 10. | Pressure after 4 minutes, inches H2O | 1.97 | | | | 1.97 |
| 11. | Pressure after 5 minutes, inches H2O | 1.98 | | | | 1.98 |
| 12. | Allowable Final Pressure | 1.96 | | | | 1.96 |
| 13. | Pass / Fail (Enter "GF" for Gross failure) | Pass | | | | Pass |

| | |
|---|---|
| | Enter time of last delivery. |
| DIGITAL MANOMETER | What type of pressure device used? |
| 9/5/2013 | Calibration date for pressure device (90 days). |
| 0.00 | Enter initial tank ullage pressure (Vent if over 0.5 in. w.c., then start the 30 min no dispensing period) |
| 2.00 | Enter flowmeter rate, F(Must be 1 to 5 CFM). |
| 00:07:20 | Calculate ullage fill time, **t2**. t2= V / [1522]F |
| 00:14:40 | Calculate gross failure time (Twice t2). |
| 0.01 | Enter ending value of drift test (Must be 0.01 in. w.c. or less). |
| N/A | Record Vapor Coupler Integrity Test Assembly pressure after 1 minute and location. |
| DRY BREAK | Nitrogen introduction point. Phase I vapor coupler or Phase II vapor riser? |

Comments:

Tester: Donte Moore
Certification #: 43041
Signature: Donte Moore
Test Date: 8/23/2013

WO: 8515612

## SUMMARY OF HELIUM TEST DATA

| SOURCE INFORMATION | | FACILITY PARAMETERS |
|---|---|---|
| Facility Name and address:<br>Southside 20025<br>31 Heather Lane | Facility Representative and Title , | Did TP 201.3 Pass Prior to Helium Test?<br>(circle) Yes No<br><br>Date and Time of passed TP 201.3 :<br>8/23/2013 13:38:00<br><br>Vapor Manifold? ☑ Y or ☐ N |
| Weather - COOL<br>Temperature: 70<br><br>Conditions (circle): Sunny Cloudy Rain Other (describe) | Date of Helium Test: 8/23/2013<br>Time of Helium Test: 15:30:00 | |
| 1. Pressure system up to 1? WC with Helium<br>Did you confirm Helium is Present at all test areas (circle):<br>Yes or No | Record Areas where Helium was found and all repairs made:<br>DISPNSERS #7, #9-10, #11-12, #13 | |
| Test Equipment Used: DIGITAL MANOMETER<br><br>Serial Number: TK-5813 | | Include Site Diagram and Secondary Piping Test Results(if applicable) in Report PackageN/A |

HeliumTest Results at 5.0? wc and Comments

| Tank #: | 1 | 2 | 3 | Total |
|---|---|---|---|---|
| 1. Product Grade | REGULAR | PLUS | SUPREME | |
| 2. Actual Tank Capacity, gallons | 11627 | 11627 | 11627 | 34881 |
| 3. Gasoline Volume | 6853 | 3025 | 2681 | 12559 |
| 4. Ullage, gallons (#2-#3) | 4774 | 8602 | 8946 | 22322 |
| 5. Initial Pressure, inches H2O | 5.00 | | | |
| 6. Pressure After 1 Minute, inches H2O | 5.02 | | | |
| 7. Pressure After 2 Minutes, inches H2O | 5.02 | | | |
| 8. Pressure After 3 Minutes, inches H2O | 5.03 | | | |
| 9. Pressure After 4 Minutes, inches H2O | 5.04 | | | |
| 10. Final Pressure After 10 Minutes, inches H2O | 5.10 | | | |
| 11. Allowable Final Pressure | 5.00 | 5.00 | 5.00 | 5.00 |
| | Pass | | | Pass |

| Test Conducted by: | Test Company: | Date of Test: |
|---|---|---|
| Donte Moore | TANKNOLOGY INC. | 8/23/2013 |

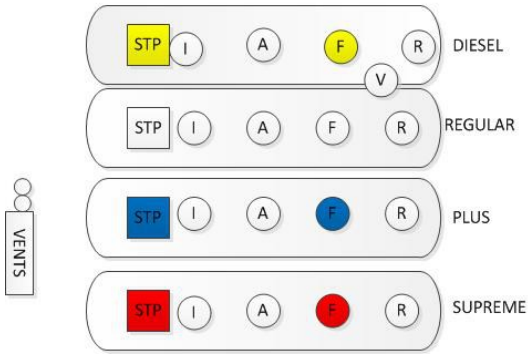
WO: 8515612

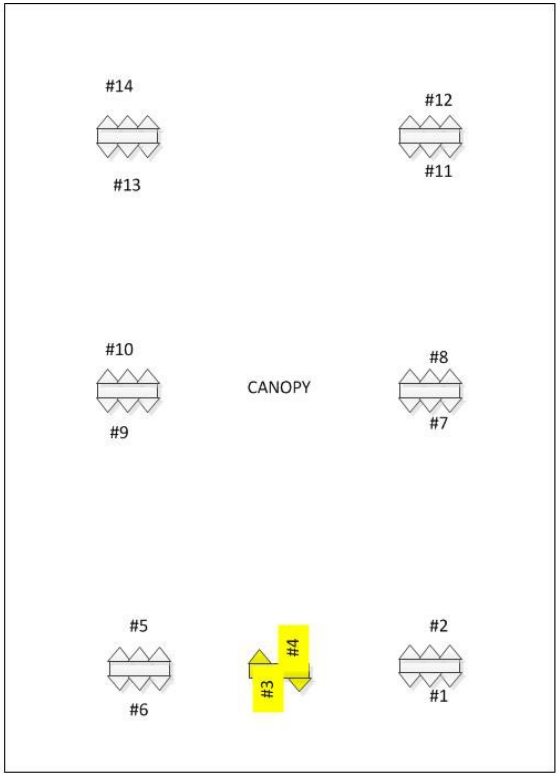
# Site Diagram

(This site diagram is for reference only and is not drawn to scale)

| | |
|---|---|
| Work Order: | 8515612 |
| Site ID / Name: | 20025 / Southside 20025 |
| Address: | 31 Heather Lane |
| City: | Perryville |

State: MD Zip: 21903




# Tanknology Inc.

8501 N. MoPac Expressway, Suite 400 Austin, TX 78759 (800) 964-0010

# JOB CLEARANCE FORM & SITE SAFETY CHECKLIST – OVF

Policy 100-29-A
Rev: D
Revised: 8/04/2008

| Site Name/#: | Street Address: | W.O.# |
|---|---|---|
| 20025 | 31 Heather Lane Perryville, MD 21903 | 8519612 |

| Arrival Time: | Departure Time: | Travel Time: | Others on site: | Date |
|---|---|---|---|---|
| 10:00 am | 16:00 | | | 8/23/13 |

Scope of Work and Tasks Performed (JSA's must be available for all tasks):
Pressure Decay, Helium test

Repairs to Equipment or Parts Provided:
2 Hours Labor waiting for [illegible]

Follow-up actions required; equipment isolated; comments:
Vac motors need replaced Dispenser 9-10 Both Dispenser 11-12 Both Dispenser 13 Right Vac motor

**PPE - PERSONAL PROTECTIVE EQUIPMENT REQUIRED (Check items used or mark ~ if not applicable)**

- ☑ Safety Vest
- ☑ Steel Toe Boots
- ☑ Safety Glasses
- ☑ Splash Goggles
- ☑ Gloves
- ☐ Hard Hat
- ☐ Hearing Protection
- ☐ Other

## ✓ PRE-TEST PROCEDURES (Check each item completed or mark ~ if not applicable)

1. ☑ Discuss safety procedures with site personnel. Nearest hospital: Perryville
2. ☑ Prior to fuel deliveries the UST system must be placed back into working order.
3. ☑ Secure entire work area with barricades (cones, flags, and caution tape, pennant flags, or other perimeter guard).
4. ☑ Place fire extinguishers and "No Smoking" signs in the work area.
5. ☐ Implement Lockout/Tagout per API 1646 (when accessing product piping during tasks)
   - ☐ All applicable equipment disabled during test(s).
   - ☐ Secure nozzles with "Out of Service" bags and nylon ties.
   - ☐ Close ball valves or check valves on product piping.
   - ☐ Secure the circuit breaker(s) with lockout devices and tags.
   - ☐ Verify LOTO is complete by trying to operate pumps.
   - ☐ Disconnect electrical "bayonet" connector from the STP(s).

**General Safety Checks:**
All site personnel have been informed.
Fuel delivery has been informed.
Is a fuel delivery due today? _____
LOTO procedures have been discussed and agreed.
Work areas barricaded to protect workers, staff & public.

| Lead Technician Name | Lead Technician Signature |
|---|---|
| Scott Ramsey | |
| **Site Representative Name** | **Site Representative Signature** |
| X Terri Harding | X |

I have discussed job clearance form with technician.

## ✓ POST-TEST PROCEDURES (Check each item completed or mark ~ if not applicable)

1. ☑ Remove all "Lockout/Tagout" devices.
2. ☑ Run all pumps and verify there are no leaks:
   - ☑ Leak Detector Threads on STP's
   - ☑ Impact Valve Test Ports under dispensers
   - ☑ Functional Elements & Relief Screws
3. ☐ Install lead wire seal on all test plugs & leak detectors that were serviced.
   Count LD threads: L1 ____ L2 ____ L3 ____ L4 ____ L5 ____ L6 ____
4. ☑ Check following components operational:
   - ☑ Ball floats, dry breaks & caps
   - ☑ Containment sumps are dry
   - ☑ Dispenser panels are replaced
   - ☑ Leak detectors & vent tubes
   - ☑ Monitoring system is operational
   - ☑ Siphon lines and manifold valves
   - ☑ STP fittings and bayonet connectors
   - ☑ ATG probes, sensors, & caps
   - ☑ Cathodic protection operational
   - ☑ Dispensers & POS operational
   - ☑ Drop tubes, fill adapters & caps
   - ☑ Manhole covers and sump lids
   - ☑ Shear valves are open
   - ☑ Siphon lines and manifold valves
   - ☑ Vents (not capped, plugged or isolated)
5. ☑ Remove barricades.

**SIGN OUT & Operator Verification of Work (OVF)**

**General Safety Checks:**
Work area has been left tidy & safe.
Site staff are aware of work status including any remaining isolation.
Changes to equipment are documented and communicated.
All incidents, near incidents, and unsafe situations reported.

| Lead Technician Name | Lead Technician Signature |
|---|---|
| Scott Ramsey | |
| **Site Representative Name** | **Site Representative Signature** |
| X Terri Harding | X |

Site Representative Comments: