



# WA Leak Testing Checklist

FOR Underground Storage Tanks

UST ID #: 97383

County : Grant

*This checklist certifies testing activities were conducted in accordance with Chapter 173-360 WAC. Instructions are found on pages 4 and 5.*

DATE TEST CONDUCTED: 02/22/2019

I. UST FACILITY		II. CERTIFIED SERVICE PROVIDER			
Facility Compliance Tag #:A1236		Service Provider Name: Keith Lawty			
UST ID #: 97383		Company Name: Northwest Tank & Environmental Services, Inc.			
Site Name: Midway Mart		Address: 17407 59th Ave SE			
Site Address: 16010 Rd 1 NW		City: Snohomish	State: WA	Zipcode: 98296	
City: Quincy		Phone: (800) 742-9620	Email: info@nwtank.com		
Site Phone: 509-785-6111		ICC Certification Type: Tightness Testing ICBO- U3			
		ICC Cert. #: 8589-U3		Exp. Date: 10/12/2020	
III. UST OWNER/OPERATOR					
Name: Midway Mart		Phone: 509-785-6111	Email:		
Mailing Address: 16010 Rd 1 NW		City: Quincy	State: WA	Zipcode: 98848-9429	
IV. UST SYSTEM INFORMATION based on observations, not Ecology database					
-- use bolded acronyms, where applicable --					
	Tank ID:	Tank ID:	Tank ID:	Tank ID:	
1. Tank ID # (tank name registered with Ecology)	1	2	3		
2. Date installed (if known)	2/20/1995	2/20/1995	2/20/1995		
3. Tank capacity (gallons)	12000	5000	8000		
4. Tank material (select <b>NV</b> if not <u>visually</u> verified): Steel ( <b>ST</b> ); Steel Clad w/ Corrosion Resist ( <b>CLAD</b> ); Fiberglass Reinforced Plastic ( <b>FRP</b> ); <b>ST Ip3</b> ; Not Visible ( <b>NV</b> )	SWF	SWF	SWF		
5. Tank construction (select <b>NV</b> if not <u>visually</u> verified): Single Wall ( <b>SW</b> ); Double Wall ( <b>DW</b> ); Compartment ( <b>COMP</b> ); Not Visible ( <b>NV</b> )	SW	SW	SW		
6. Piping material (select <b>NV</b> if not <u>visually</u> verified): Steel ( <b>ST</b> ); Fiberglass reinforced Plastic ( <b>FRP</b> ); Flexible Plastic ( <b>FLEX</b> ); Not Visible ( <b>NV</b> ); Other(specify)	FLX	FLX	FLX		
7. Piping construction (select <b>NV</b> if not visually verified): Single Wall ( <b>SW</b> ); Double Wall ( <b>DW</b> ); Not Visible ( <b>NV</b> )	Double	Double	Double		
8. Pumping system: Pressurized ( <b>PR</b> ); Safe Suction ( <b>SS</b> ); Non-Safe Suction ( <b>NSS</b> ); Siphon ( <b>S</b> )	Pressure	Pressure	Pressure		

ECY 070-69 (Rev. Jan. 2016)

**V. SERVICES PERFORMED (CHECK ALL THAT APPLY)**

*Supporting test data and/or documentation must be attached or this checklist is considered incomplete.*

	PASS	FAIL	# tested	Describe: dispenser # used for testing lines and ALLD and other information required to duplicate test results.
Lines	<input checked="" type="checkbox"/> ALLD Test	<input type="checkbox"/>	<input checked="" type="checkbox"/> 3	See notes in LLD testing section.
	Method Used: <u>LDT 890</u> Mfr. Cert. exp. date: <u>03-22-2019</u>			
	<b>Manufacturer and model numbers must be provided for each ALLD on the supporting documentation.</b>			
Lines	<input checked="" type="checkbox"/> Line Tightness Test	<input checked="" type="checkbox"/>	<input type="checkbox"/> 3	See notes in Line Tightness testing section.
	Method Used: <u>Acurite</u> Mfr. Cert. exp. date: <u>09-20-2020</u>			
	<input type="checkbox"/> Line Interstitial (or Sump Sensor) Test	<input type="checkbox"/>	<input type="checkbox"/> —	No sensors on site. Water in Premium sump. Product in diesel sump.
Tanks	<input type="checkbox"/> Tank Tightness Test (i.e. 3rd-party certified test up to overfill prevention level)	<input type="checkbox"/>	<input type="checkbox"/> —	
	Method Used: _____ Mfr. Cert. exp. date: _____			
	<input type="checkbox"/> Tank Interstitial (or Tank Sensor) Test	<input type="checkbox"/>	<input type="checkbox"/> —	
UST Equipment	<input type="checkbox"/> Monitor Equipment Check	<input type="checkbox"/>	<input type="checkbox"/> —	
	<input type="checkbox"/> Overfill Equipment Check (check all that apply)	<input type="checkbox"/>	<input type="checkbox"/> —	
	<input type="checkbox"/> Auto shutoff device	<input type="checkbox"/>	<input type="checkbox"/> —	
	<input type="checkbox"/> Ball float valve	<input type="checkbox"/>	<input type="checkbox"/> —	
	<input type="checkbox"/> Overfill Alarm	<input type="checkbox"/>	<input type="checkbox"/> —	
	<input type="checkbox"/> Spill Bucket Test	<input type="checkbox"/>	<input type="checkbox"/> —	
	<input type="checkbox"/> Tank Sump Test	<input type="checkbox"/>	<input type="checkbox"/> —	
	<input type="checkbox"/> Other (describe briefly)	<input type="checkbox"/>	<input type="checkbox"/> —	

**VI. COMMENTS** *include descriptions to problems encountered and how they were addressed.*

**Leak Detector:**

Comments - Regular and Premium LLDs were tested at dispenser #3/4.

Diesel LLD was tested at dispenser #9/10.

Regular LLD would not select leak. Attempted to adjust LLD to detect leak; unsuccessful. Replaced with multiple new LLDs to achieve a passing result. Unable to achieve at this time. Will return with a new VMI LD200 to try.

**Line Test:**

Comments - Line Tightness testing for Regular and Premium was performed at dispenser #3/4.

Line Tightness testing for Diesel was performed at dispenser #9/10.

Had to perform 2 different Line Tightness tests due to distance between dispensers/pads/tanks/lines.

Regular/premium as one test; diesel as a separate test.

Functional elements on both regular and premium needed to be replaced due to excessive rust damage; unable to access check valves without replacing.

Product found in diesel sump. When pressure was applied, found a small leak at functional element seal. Bolts were found to be barely snug. Tightened bolts; leaking condition was corrected. Continued line test at that point.

**Tank Monitor:**

--Tank\_monitors--

#1: 2/22/19:

Printer inop. Unable to read print out from monitor; unable to compare manual measurements to monitor.

Did not remove probes to inspect during this inspection interval.

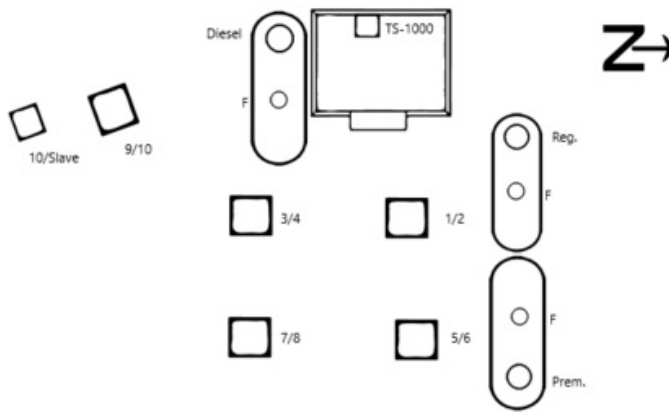
No sensors on site.

**VII. CHECKLIST**

<b>The following items shall be initialed by the Certified Service Provider.</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
1. Have all checked items been tested per recommended practices, code and/or manufacturer's requirements and in accordance with federal and/or state regulations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Has the owner/operator been provided with written documentation of the testing results?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Has the owner/operator been made aware of any faulty equipment or necessary repairs?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date work was completed:	02/22/2019		

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VIII.SITE DIAGRAM -- include description and/or locations of equipment tested --



**PERSONS SUBMITTING FALSE INFORMATION ARE SUBJECT TO FORMAL ENFORCEMENT  
AND/OR PENALTIES UNDER CHAPTER 173-360 WAC. .**

IX. REQUIRED SIGNATURES

02/22/2019

Date

Signature of Certified Service Provider

Keith Lawty - Tech

Print or Type Name

02/22/2019

Date

Signature of Tank Owner or Authorized Representative

Dae - Manager

Print or Type Name

## Automatic Line Leak Detector Test Results

Company Name: Midway Mart  
Site Name: Midway Mart  
Address: 16010 Rd 1 NW Quincy, WA 98848-9429  
UST Site ID: 97383  
Test Date/Time: 02/22/2019 08:59:09 am

Job ID Number: 82008  
Technician Name: Keith Lawty  
License Number: 8589-U3  
Expiration Date: 10/12/2020

Product: Regular Tank ID: 1 LD Type: Mechanical	Make: VMI Model: LD2000 Serial#: 7101393	Operating Pressure: 27 Holding Pressure: 23 Bleedback (ml): 175	<b>Result: Pass</b>
<b>Additional Data For Mechanical Leak Detectors Only</b> Metering Pressure: N/A Step Through Time: N/A			
Product: Premium Tank ID: 2 LD Type: Mechanical	Make: Red Jacket Model: FX1V Serial#:	Operating Pressure: 27 Holding Pressure: 25 Bleedback (ml): 300	<b>Result: Pass</b>
<b>Additional Data For Mechanical Leak Detectors Only</b> Metering Pressure: 10 Step Through Time: 11			
Product: Diesel Tank ID: 3 LD Type: Mechanical	Make: VMI Model: LD2000 Serial#: 7101398	Operating Pressure: 29 Holding Pressure: 29 Bleedback (ml): 200	<b>Result: Pass</b>
<b>Additional Data For Mechanical Leak Detectors Only</b> Metering Pressure: 16 Step Through Time: 4			

Leak detector testing conducted in accordance with the procedures and limitations of the LDT 890 leak detector tester. A leak is simulated at the highest point in the line using the LDT 890 calibrated to 3 gph at a metering pressure of 10 psi. The owner or operator of the UST system is required to ensure any failed leak detector is replaced before placing the line back in service.

The results of any sampling, testing, or monitoring shall be maintained for at least five years, or for another reasonable period of time determined by the department or delegated agency, except that the results of tank tightness testing conducted in accordance with CFR 40 Part 280.44 shall be retained until the next test is conducted.

**Comments:** Regular and Premium LLDs were tested at dispenser #3/4. Diesel LLD was tested at dispenser #9/10. Regular LLD would not select leak. Attempted to adjust LLD to detect leak; unsuccessful. Replaced with multiple new LLDs to achieve a passing result. Unable to achieve at this time. Will return with a new VMI LD200 to try.

Technician Name: Keith Lawty  
Signature:



Date: 02/22/2019

## Line Tightness Test Results

Company Name: Midway Mart  
 Site Name: Midway Mart  
 Address: 16010 Rd 1 NW Quincy, WA 98848-9429  
 UST Site ID: 97383  
 Test Date: 02/22/2019

Job ID Number: 82008  
 Technician Name: Keith Lawty  
 License Number: 8589-U3  
 Expiration Date: 10/12/2020

### Line Tightness Test Data

Product:	Regular	Tank ID:	1	Start Time:	11:40
Approx Length:	150	STP MFG:	FE Petro 3/4 HP	End Time:	12:10
Size:	1.5	Operating Pressure:	27	Total Test Time:	30mins
Line Material:	FLX	Test Pressure:	41	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Solenoid	Impact Valves Operational:	N/A
Boot Back:	Yes	Isolation Pump:	Check Valve	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	.0875	<b>Result:</b>	Pass
		Final Cylinder Level:	.0875		

Product:	Premium	Tank ID:	2	Start Time:	11:40
Approx Length:	150	STP MFG:	FE Petro 3/4 HP	End Time:	12:10
Size:	1.5	Operating Pressure:	27	Total Test Time:	30mins
Line Material:	FLX	Test Pressure:	41	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Solenoid	Impact Valves Operational:	N/A
Boot Back:	Yes	Isolation Pump:	Check Valve	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	.0875	<b>Result:</b>	Pass
		Final Cylinder Level:	.0875		

Product:	Diesel	Tank ID:	3	Start Time:	13:48
Approx Length:	150	STP MFG:	FE Petro 3/4 HP	End Time:	14:18
Size:	1.5	Operating Pressure:	29	Total Test Time:	30mins
Line Material:	FLX	Test Pressure:	43.5	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Solenoid	Impact Valves Operational:	N/A
Boot Back:	Yes	Isolation Pump:	Check Valve	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	0.100	<b>Result:</b>	Pass
		Final Cylinder Level:	0.100		

Line tightness testing conducted in accordance with the procedures and limitations of the Acurite pipeline tester. A consistent leak rate of .01 gph or higher at 150% of normal operating pressure is considered a failure. The owner or operator of the UST system is required to report all failures to the appropriate agency within 24 hours.

The results of any sampling, testing, or monitoring shall be maintained for at least five years, or for another reasonable period of time determined by the department or delegated agency, except that the results of tank tightness testing conducted in accordance with CFR 40 Part 280.44 shall be retained until the next test is conducted.

**Comments:** Line Tightness testing for Regular and Premium was performed at dispenser #3/4. Line Tightness testing for Diesel was performed at dispenser #9/10. Had to perform 2 different Line Tightness tests due to distance between dispensers/pads/tanks/lines. Regular/premium as one test; diesel as a separate test. Functional elements on both regular and premium needed to be replaced due to excessive rust damage; unable to access check valves without replacing. Product found in diesel sump. When pressure was applied, found a small leak at functional element seal. Bolts were found to be barely snug. Tightened bolts; leaking condition was corrected. Continued line test at that point.

Technician Name: Keith Lawty  
 Signature:



Date: 02/22/2019



## Monitoring System Certification

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

### A. General Information

**Facility Contact Person:** Mason Kim

**Make / Model Monitoring System:** Incon TS 1000

**Company Name:** Midway Mart

**Site Address:** 16010 Rd 1 NW

**UST Site ID:** 97383

**Date Of Testing:** 02/22/2019

**Site Name:** Midway Mart

**City, State, ZIP:** Quincy, WA 98848-9429

**Facility Phone Number:** 509-785-6111

**Serial #:** 21481

### B. Inventory of Equipment Tested/Certified

Tank #: 1 Regular		Tank #: 2 Premium	
In-Tank Gauging Probe	TSP-LL2	In-Tank Gauging Probe	TSP-LL2
Annular Space or Vault Sensor:	N/A	Annular Space or Vault Sensor:	N/A
Piping Sump / Trench Sensor:	N/A	Piping Sump / Trench Sensor:	N/A
Fill Sump Sensor:	N/A	Fill Sump Sensor:	N/A
Mechanical Line Leak Detector:	LD2000	Mechanical Line Leak Detector:	FX1V
Electronic Line Leak Detector:	N/A	Electronic Line Leak Detector:	N/A
Tank Overfill / High Level Sensor:	OPW BF	Tank Overfill / High Level Sensor:	OPW BF
Other:		Other:	
Tank #: 3 Diesel			
In-Tank Gauging Probe	TSP-LL2		
Annular Space or Vault Sensor:	N/A		
Piping Sump / Trench Sensor:	N/A		
Fill Sump Sensor:	N/A		
Mechanical Line Leak Detector:	LD2000		
Electronic Line Leak Detector:	N/A		
Tank Overfill / High Level Sensor:	OPW BF		
Other:			



### 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 information (e.g. manufacturers' checklists) necessary to verify that this information is correct and 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):

Technician Name: Keith Lawty

Certification Number:

Expiration Date:

Signature:



Testing Company Name: Northwest Tank & Environmental Services, Inc.

Address: 17407 59th Ave SE Snohomish, WA 98296

Date of Testing: 02/22/2019

**D. Results of Testing/Service**

Yes	Is the audible alarm operational?
Yes	Is the visual alarm operational?
N/A	Were all sensors visually inspected, functionally tested, and confirmed operational?
N/A	If alarms are relayed to a remote monitoring station, is all communications equipment operational?
No	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?
N/A	If yes: which sensors initiate positive shut-down?
N/A	Did you confirm positive shut-down due to leaks and sensor failure/disconnection?
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?
N/A	If so, at what percent of tank capacity does the alarm trigger?
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	Was liquid found in any secondary containment systems designed as dry systems?
Water	If yes, what type of liquid?
No	Was monitoring system set-up reviewed to ensure proper settings? Attach setup reports, if applicable.
No	Is all monitoring equipment operational per manufacturers specifications?

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

**E. Comments**

2/22/19: Printer inop. Unable to read print out from monitor; unable to compare manual measurements to monitor. Did not remove probes to inspect during this inspection interval. No sensors on site.

State Tank ID	Product	Manual Stick Readings(inches)	Gauge Readings(inches)	Difference
1	Regular	20.5	-	20.50
2	Premium	24.5	-	24.50
3	Diesel	21.0	-	21.00

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

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

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

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

Yes	For equipment startup or annual equipment certification, was leak simulated to verify LLD performance?
3 GPH	Leak Rate
No	Were all LLDs confirmed operational and accurate within regulatory requirements?
Yes	Was the testing apparatus properly calibrated?
No	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
Yes	Were all items on the equipment manufacturer's maintenance checklist completed?