DEPARTMENT OF ECOLOGY
State of Washington

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: 08/26/2019

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: CI Midway Shell Quincy	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: CI Midway Shell Quincy	Phone: 509-785-6111 Email: spalwinder71@yahoo.com
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 **NV** if not visually verified): Steel **(ST)**; Steel Clad w/ Corrosion Resist **(CLAD)**; Fiberglass Reinforced Plastic **(FRP)**; **STIp3**; Not Visible **(NV)**	SWF	SWF	SWF	
5. Tank construction (select **NV** if not visually verified): Single Wall **(SW)**; Double Wall **(DW)**; Compartment **(COMP)**; Not Visible **(NV)**	SW	SW	SW	
6.Piping material (select **NV** if not visually verified): Steel **(ST)**; Fiberglass reinforced Plastic **(FRP)**; Flexible Plastic **(FLEX);** Not Visible **(NV);**Other(specify)	FLX	FLX	FLX	
7. Piping construction (select **NV** if not visually verified): Single Wall **(SW)**; Double Wall **(DW)**; Not Visible **(NV)**	Double	Double	Double	
8. Pumping system: Pressurized **(PR)**; Safe Suction **(SS)**; Non-Safe Suction **(NSS)**; Siphon **(S)**	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	☑ ALLD Test Method Used: LDT 890 Mfr. Cert. exp. date: 03-22-2019 ***Manufacturer and model numbers must be provided for each ALLD on the supporting documentation.***	☑	☐	3	See notes in LLD testing section.
	☑ Line Tightness Test Method Used: Acurite Mfr. Cert. exp. date: 09-20-2020	☑	☐	3	See notes in Line Tightness testing section.
	☐ Line Interstitial (or Sump Sensor) Test	☐	☐	0	
Tanks	☐ Tank Tightness Test (i.e. 3rd-party certified test up to overfill prevention level) Method Used: Mfr. Cert. exp. date:	☐	☐		
	☐ Tank Interstitial (or Tank Sensor) Test	☐	☐	0	
UST Equipment	☐ Monitor Equipment Check	☐	☐		
	☐ Overfill Equipment Check (check all that apply) — ☐ Auto shutoff device	☐	☐		
	☐ Overfill Equipment Check (check all that apply) — ☐ Ball float valve	☐	☐		
	☐ Overfill Equipment Check (check all that apply) — ☐ Overfill Alarm	☐	☐		
	☐ Spill Bucket Test	☐	☐		
	☐ Tank Sump Test	☐	☐		
	☐ Other (describe briefly)	☐	☐		

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

Leak Detector:
Comments - LLD testing for Tank 1(Regular) and Tank 2(Premium) performed at dispenser #3/4.
LLD testing for Tank 3(Diesel) was performed at sole dispenser for truck pad.

Truck pad dispenser has a satellite dispenser also. Visual inspection of plumbing shows line tees off before solenoid in main and before solenoid in satellite. Unable to remove inspection plug to verify/test. Plumbing routing would indicate safe LLD protection at satellite though.

Line Test:
Comments - Performed 2 seperate line tests due to locations on testing points.

Performed Line Tightness test for Tank 1(Regular) and Tank 2(Premium) from dispenser #3/4.
Performed Line Tightness test for Tank 3(Diesel) from sole dispenser on truck island.

All 3 impact valves at truck island are inop; no spring on any of the impact valves here- will not close if hit.

Tank Monitor:
--Tank_monitors--
#1: 8/26/2019:

Probes were not removed during this inspection interval.

Compared manual fuel level readings with that from monitor.

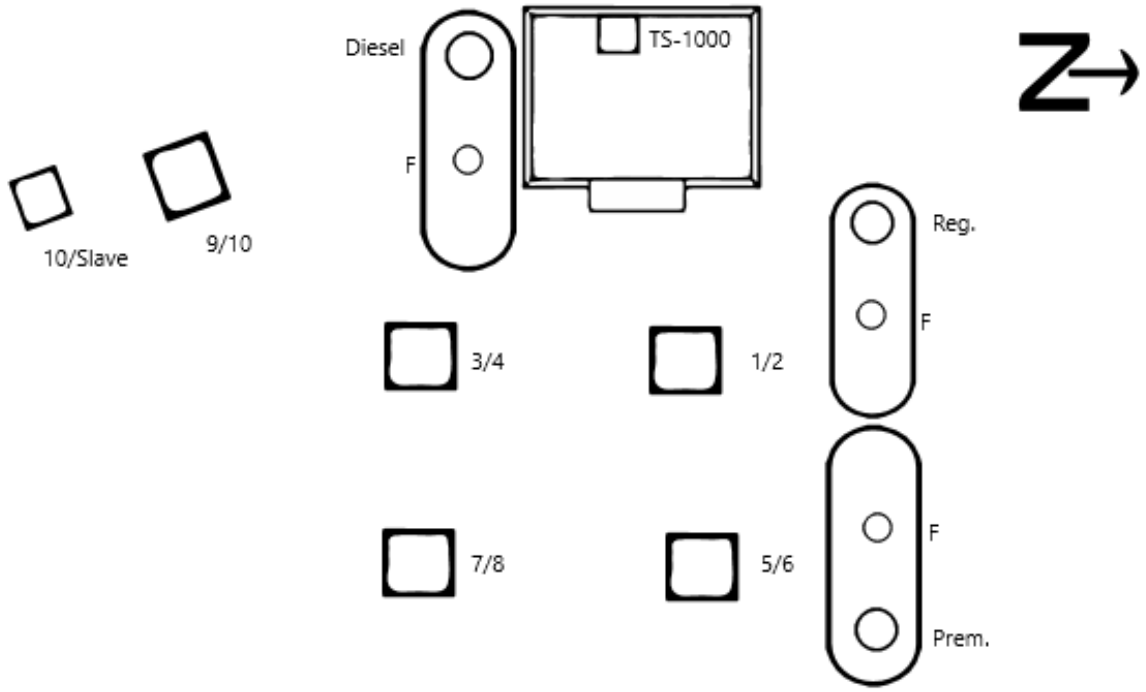
No sensors on site.

VII. CHECKLIST

The following items shall be initialed by the Certified Service Provider.	**YES**	**NO**	**N/A**
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?	☑	☐	☐
2. Has the owner/operator been provided with written documentation of the testing results?	☑	☐	☐
3. Has the owner/operator been made aware of any faulty equipment or necessary repairs?*	☐	☐	☑
Date work was completed:	08/26/2019		

ECY 070-69 (Rev. jan 2016)

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

08/26/2019		Keith Lawty - Tech
Date	Signature of Certified Service Provider	Print or Type Name
08/26/2019		Palwinder singh - Owner / Dealer
Date	Signature of Tank Owner or Authorized Representative	Print or Type Name

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Automatic Line Leak Detector Test Results

Company Name: CI Midway Shell Quincy
Site Name: CI Midway Shell Quincy
Address: 16010 Rd 1 NW Quincy, WA 98848-9429
UST Site ID: 97383
Test Date/Time: 08/26/2019 08:50:48 am

Job ID Number: 86376
Technician Name: Keith Lawty
License Number: 8589-U3
Expiration Date: 10/12/2020

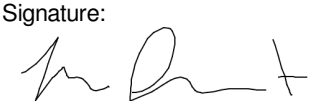
Product: Regular Tank ID: 1 LD Type: Mechanical	Make: VMI Model: LD2000 Serial#: 7101393	Operating Pressure: 26 Holding Pressure: 24 Bleedback (ml): 250	**Result:** Pass
Additional Data For Mechanical Leak Detectors Only Metering Pressure: 16 Step Through Time: 4			
Product: Premium Tank ID: 2 LD Type: Mechanical	Make: Red Jacket Model: FX1V Serial#:	Operating Pressure: 30 Holding Pressure: 27 Bleedback (ml): 375	**Result:** Pass
Additional Data For Mechanical Leak Detectors Only Metering Pressure: 10 Step Through Time: 7			
Product: Diesel Tank ID: 3 LD Type: Mechanical	Make: VMI Model: LD2000 Serial#: 7101398	Operating Pressure: 30 Holding Pressure: 27 Bleedback (ml): 225	**Result:** Pass
Additional Data For Mechanical Leak Detectors Only Metering Pressure: 16 Step Through Time: 3			

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: LLD testing for Tank 1(Regular) and Tank 2(Premium) performed at dispenser #3/4. LLD testing for Tank 3(Diesel) was performed at sole dispenser for truck pad. Truck pad dispenser has a satellite dispenser also. Visual inspection of plumbing shows line tees off before solenoid in main and before solenoid in satellite. Unable to remove inspection plug to verify/test. Plumbing routing would indicate safe LLD protection at satellite though.

Technician Name: Keith Lawty
Signature:



Date: 08/26/2019

Line Tightness Test Results

Company Name:	CI Midway Shell Quincy	Job ID Number:	86376
Site Name:	CI Midway Shell Quincy	Technician Name:	Keith Lawty
Address:	16010 Rd 1 NW Quincy, WA 98848-9429	License Number:	8589-U3
UST Site ID:	97383	Expiration Date:	10/12/2020
Test Date:	08/26/2019		

Line Tightness Test Data

Product:	Regular	Tank ID:	1	Start Time:	11:29
Approx Length:	150	STP MFG:	FE Petro 3/4 HP	End Time:	11:59
Size:	1.5	Operating Pressure:	26	Total Test Time:	30mins
Line Material:	FLX	Test Pressure:	45	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Impact Valve	Impact Valves Operational:	Yes
Boot Back:	Yes	Isolation Pump:	Check Valve	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	0.100	**Result:**	Pass
		Final Cylinder Level:	0.100		

Product:	Premium	Tank ID:	2	Start Time:	11:29
Approx Length:	150	STP MFG:	FE Petro 3/4 HP	End Time:	11:59
Size:	1.5	Operating Pressure:	30	Total Test Time:	30mins
Line Material:	FLX	Test Pressure:	45	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Impact Valve	Impact Valves Operational:	Yes
Boot Back:	Yes	Isolation Pump:	Check Valve	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	0.100	**Result:**	Pass
		Final Cylinder Level:	0.100		

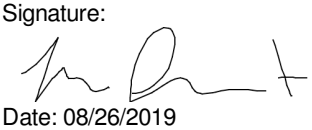
Product:	Diesel	Tank ID:	3	Start Time:	09:35
Approx Length:	150	STP MFG:	FE Petro 3/4 HP	End Time:	10:05
Size:	1.5	Operating Pressure:	30	Total Test Time:	30mins
Line Material:	FLX	Test Pressure:	45	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Solenoid	Impact Valves Operational:	No
Boot Back:	Yes	Isolation Pump:	Check Valve	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	.030	**Result:**	Pass
		Final Cylinder Level:	.030		

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: Performed 2 seperate line tests due to locations on testing points. Performed Line Tightness test for Tank 1(Regular) and Tank 2(Premium) from dispenser #3/4. Performed Line Tightness test for Tank 3(Diesel) from sole dispenser on truck island. All 3 impact valves at truck island are inop; no spring on any of the impact valves here- will not close if hit.

Technician Name: Keith Lawty
Signature:



Date: 08/26/2019

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: Palwinder Singh
Make / Model Monitoring System: Incon TS 1000

Company Name: CI Midway Shell Quincy
Site Address: 16010 Rd 1 NW
UST Site ID: 97383
Date Of Testing: 08/26/2019
Site Name: CI Midway Shell Quincy
City, State, ZIP: Quincy, WA 98848-9429
Facility Phone Number: 509-785-6111
Serial #: 21481

B. Inventory of Equipment Tested/Certified

Tank #: 1 Regular	
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:	

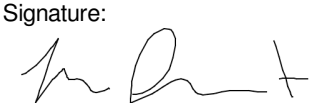
Tank #: 2 Premium	
In-Tank Gauging Probe	TSP-LL2
Annular Space or Vault Sensor:	N/A
Piping Sump / Trench Sensor:	N/A
Fill Sump Sensor:	N/A
Mechanical Line Leak Detector:	FX1V
Electronic Line Leak Detector:	N/A
Tank Overfill / High Level Sensor:	OPW BF
Other:	

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: 08/26/2019

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?
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?
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.
No	Was liquid found in any secondary containment systems designed as dry systems?
N/A	If yes, what type of liquid?
Yes	Was monitoring system set-up reviewed to ensure proper settings? Attach setup reports, if applicable.
Yes	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

8/26/2019: Probes were not removed during this inspection interval. Compared manual fuel level readings with that from monitor. No sensors on site.

State Tank ID	Product	Manual Stick Readings(inches)	Gauge Readings(inches)	Difference
1	Regular	51.0	50.960	.04
2	Premium	34.0	33.490	.51
3	Diesel	30.5	30.128	.37

F. In-Tank Gauging / SIR Equipment

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

No	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
No	Were all tank gauging probes visually inspected for damage and residue buildup?
Yes	Was accuracy of system product level readings tested?
Yes	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
Yes	Were all LLDs confirmed operational and accurate within regulatory requirements?
Yes	Was the testing apparatus properly calibrated?
Yes	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?