DEPARTMENT OF ECOLOGY
State of Washington

WA Leak Testing Checklist

FOR Underground Storage Tanks

UST ID #: 222

County : Pierce

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: 03/06/2020

I. UST FACILITY	II. CERTIFIED SERVICE PROVIDER
Facility Compliance Tag #:A3005	Service Provider Name: Juan Carrillo
UST ID #: 222	Company Name: Northwest Tank & Environmental Services, Inc.
Site Name: Arnold's Market	Address: 17407 59th Ave SE
Site Address: 117 Hwy 162 East	City: Snohomish State: WA Zipcode: 98296
City: South Prairie	Phone: (800) 742-9620 Email: info@nwtank.com
Site Phone: 360-897-8936	ICC Certification Type: Tightness Testing ICBO- U3
	ICC Cert. #: 8217074 - U3 Exp. Date: 08/29/2021
III. UST OWNER/OPERATOR	
Name: Arnold's Market	Phone: 360-897-8936 Email: nferguson31@hotmail.com
Mailing Address: 117 Hwy 162 East	City: South Prairie State: WA Zipcode: 98385

IV. UST SYSTEM INFORMATION based on observations, not Ecology database

-- use bolded acronyms, where applicable --

	Tank ID:	Tank ID:	Tank ID:	Tank ID:	Tank ID:	Tank ID:
1. Tank ID # (tank name registered with Ecology)	1	2	3			
2. Date installed (if known)	2/8/1991	2/8/1991	2/8/1991			
3. Tank capacity (gallons)	10000	4000	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)**	STI-P3	STI-P3	STI-P3			
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			

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: 11-14-2020 ***Manufacturer and model numbers must be provided for each ALLD on the supporting documentation.***	☑	☐	3	tested gas from 3/4 and DSL from1/2
	☑ Line Tightness Test Method Used: Acurite Mfr. Cert. exp. date: 02-12-2022	☑	☐	3	tested gas from 3/4 and DSL from1/2
	☐ Line Interstitial (or Sump Sensor) Test	☐	☐	—	
Tanks	☐ Tank Tightness Test (i.e. 3rd-party certified test up to overfill prevention level) Method Used: Mfr. Cert. exp. date: 03/12/2021	☐	☐	—	
	☐ Tank Interstitial (or Tank Sensor) Test	☐	☐	—	
UST Equipment	☐ Monitor Equipment Check	☐	☐	—	vr tls350
	☐ 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 - Site pass all LLD's restricted the flow when a leak was simulated

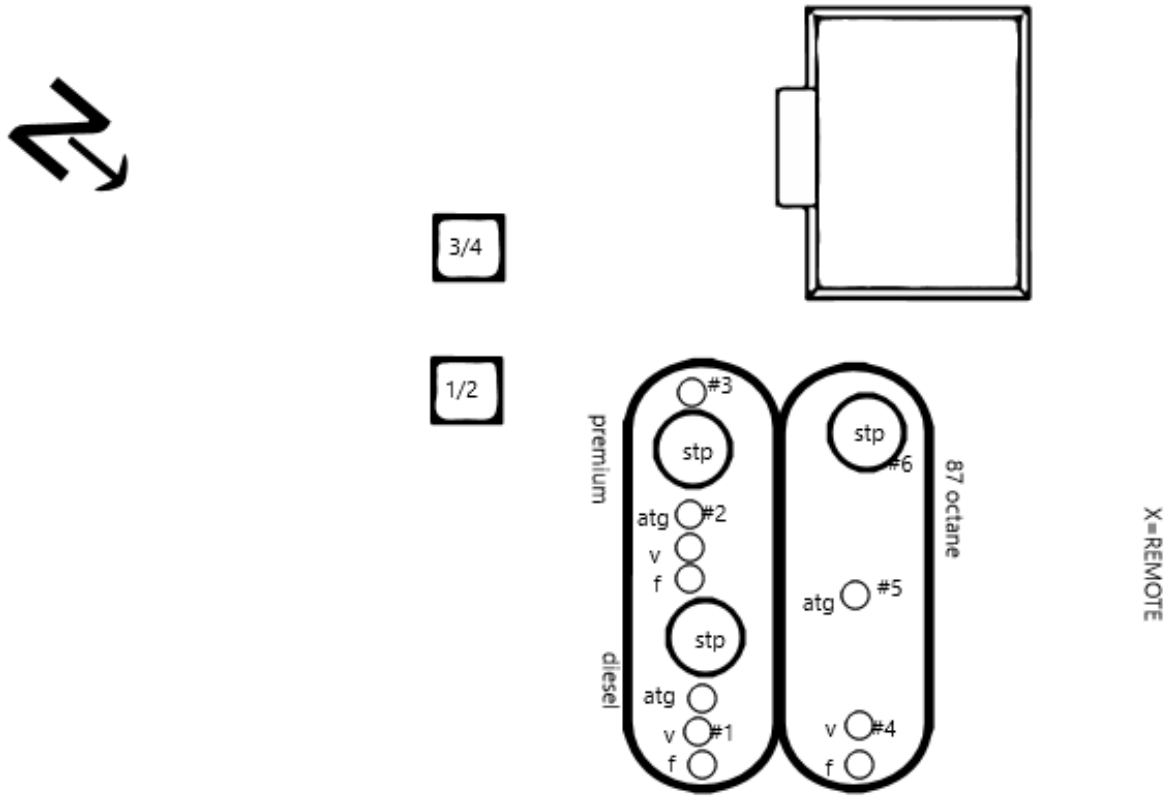
Line Test:
Comments - Site pass all lines held tight

Tank Monitor:
--Tank_monitors--
#1: Site has NO sensors only ATG's

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:	03/06/2020		

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

03/06/2020		Juan Carrillo - Tech
Date	Signature of Certified Service Provider	Print or Type Name
03/06/2020		Crystal - Clerk
Date	Signature of Tank Owner or Authorized Representative	Print or Type Name

Automatic Line Leak Detector Test Results

Company Name: Arnold's Market
Site Name: Arnold's Market
Address: 117 Hwy 162 East South Prairie, WA 98385
UST Site ID: 222
Test Date/Time: 03/06/2020 09:28:17 am

Job ID Number: 90262
Technician Name: Juan Carrillo
License Number: 8217074 - U3
Expiration Date: 08/29/2021

Product: Regular Tank ID: 1 LD Type: Mechanical	Make: VMI Model: LD2000 Serial#: UNK	Operating Pressure: 28 Holding Pressure: 20 Bleedback (ml): 80	**Result:** Pass
Additional Data For Mechanical Leak Detectors Only Metering Pressure: 10 Step Through Time: 3			
Product: Diesel Tank ID: 2 LD Type: Mechanical	Make: VMI Model: LD2000 Serial#: UNK	Operating Pressure: 30 Holding Pressure: 20 Bleedback (ml): 80	**Result:** Pass
Additional Data For Mechanical Leak Detectors Only Metering Pressure: 17 Step Through Time: 3			
Product: Premium Tank ID: 3 LD Type: Mechanical	Make: VMI Model: LD2000 Serial#: 15011005	Operating Pressure: 28 Holding Pressure: 20 Bleedback (ml): 80	**Result:** Pass
Additional Data For Mechanical Leak Detectors Only Metering Pressure: 10 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: Site pass all LLD's restricted the flow when a leak was simulated

Technician Name: Juan Carrillo
Signature:

Date: 03/06/2020

Line Tightness Test Results

Company Name:	Arnold's Market	Job ID Number:	90262
Site Name:	Arnold's Market	Technician Name:	Juan Carrillo
Address:	117 Hwy 162 East South Prairie, WA 98385	License Number:	8217074 - U3
UST Site ID:	222	Expiration Date:	08/29/2021
Test Date:	03/06/2020		

Line Tightness Test Data

Product:	Regular	Tank ID:	1	Start Time:	15:00
Approx Length:	100	STP MFG:	FE Petro 3/4 HP	End Time:	15:30
Size:	2	Operating Pressure:	28	Total Test Time:	30mins
Line Material:	FLX	Test Pressure:	42	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Impact Valve	Impact Valves Operational:	N/A
Boot Back:	Yes	Isolation Pump:	Ball Valve	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	0.050	**Result:**	Pass
		Final Cylinder Level:	0.050		

Product:	Diesel	Tank ID:	2	Start Time:	15:00
Approx Length:	100	STP MFG:	FE Petro 3/4 HP	End Time:	15:30
Size:	2	Operating Pressure:	28	Total Test Time:	30mins
Line Material:	FLX	Test Pressure:	42	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Impact Valve	Impact Valves Operational:	N/A
Boot Back:	Yes	Isolation Pump:	Ball Valve	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	0.050	**Result:**	Pass
		Final Cylinder Level:	0.050		

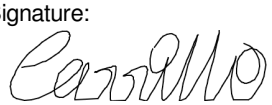
Product:	Premium	Tank ID:	3	Start Time:	15:00
Approx Length:	100	STP MFG:	FE Petro 3/4 HP	End Time:	15:30
Size:	2	Operating Pressure:	30	Total Test Time:	30mins
Line Material:	FLX	Test Pressure:	45	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Impact Valve	Impact Valves Operational:	N/A
Boot Back:	Yes	Isolation Pump:	Ball Valve	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	0.050	**Result:**	Pass
		Final Cylinder Level:	0.050		

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: Site pass all lines held tight

Technician Name: Juan Carrillo
Signature:



Date: 03/06/2020

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: Naomi Ferguson
Make / Model Monitoring System: V-R TLS 350

Company Name: Arnold's Market
Site Address: 117 Hwy 162 East
UST Site ID: 222
Date Of Testing: 03/06/2020
Site Name: Arnold's Market
City, State, ZIP: South Prairie, WA 98385
Facility Phone Number: 360-897-8936
Serial #: 81051485708005

B. Inventory of Equipment Tested/Certified

Tank #: 1 Regular	
In-Tank Gauging Probe	Mag 1 Probe
Annular Space or Vault Sensor:	N/A
Piping Sump / Trench Sensor:	TSP-ULS
Fill Sump Sensor:	N/A
Mechanical Line Leak Detector:	LD2000
Electronic Line Leak Detector:	N/A
Tank Overfill / High Level Sensor:	Emco BF
Other:	

Tank #: 2 Diesel	
In-Tank Gauging Probe	Mag 1 Probe
Annular Space or Vault Sensor:	N/A
Piping Sump / Trench Sensor:	TSP-ULS
Fill Sump Sensor:	N/A
Mechanical Line Leak Detector:	LD2000
Electronic Line Leak Detector:	N/A
Tank Overfill / High Level Sensor:	OPW 71SO
Other:	

Tank #: 3 Premium	
In-Tank Gauging Probe	Mag 1 Probe
Annular Space or Vault Sensor:	N/A
Piping Sump / Trench Sensor:	TSP-ULS
Fill Sump Sensor:	N/A
Mechanical Line Leak Detector:	LD2000
Electronic Line Leak Detector:	N/A
Tank Overfill / High Level Sensor:	Emco BF
Other:	

Dispenser ID:	1/2
Dispenser Containment Sensors Model:	N/A
Shear Valves: Yes	**Floats & Chains:** N/A

Dispenser ID:	3/4
Dispenser Containment Sensors Model:	N/A
Shear Valves: Yes	**Floats & Chains:** N/A

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: Juan Carrillo
Certification Number: B41451
Expiration Date: 09/27/2019
Signature:

Testing Company Name: Northwest Tank & Environmental Services, Inc.
Address: 17407 59th Ave SE Snohomish, WA 98296
Date of Testing: 03/06/2020

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?
Yes	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.
Yes	Was liquid found in any secondary containment systems designed as dry systems?
Water	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

Site has NO sensors only ATG's

State Tank ID	Product	Manual Stick Readings(inches)	Gauge Readings(inches)	Difference
1	Regular	42	42.15	-.15
2	Diesel	27	26.68	.32
3	Premium	24.50	24.28	.22

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?
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?
N/A	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?