



WA LEAK TESTING CHECKLIST FOR UNDERGROUND STORAGE TANKS (USTS)

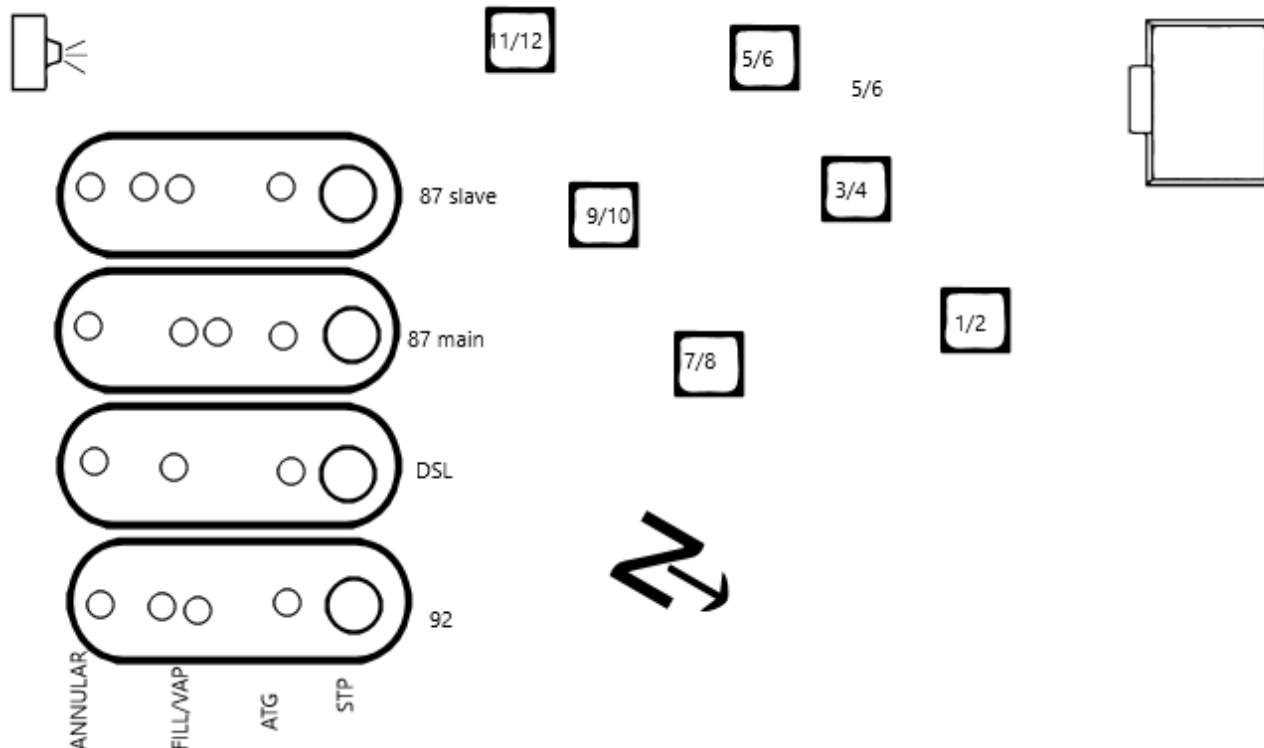
UST ID #: 101918
County: Pierce

This checklist certifies testing activities conducted in accordance with Chapter 173-360A WAC. Read instructions on pages 4-7.

<input type="checkbox"/> PASS - All Section VI services performed have passing results. <input checked="" type="checkbox"/> FAIL - One or more components tested in Section VI require repair and re-testing.		DATE TESTS CONDUCTED: 01/20/2021		
I. UST FACILITY		II. CERTIFIED SERVICE PROVIDER		
Facility Compliance Tag #: <u>A0235</u>		Service Provider Name: Joshua Montgomery		
UST ID #: 101918		Company Name: Northwest Tank & Environmental Services, Inc.		
Site Name: Fields Arco AM/PM 83031		Address: 21120 Hwy 9 SE		
Site Address: 3601 Center St		City: Woodinville	State: WA Zip: 98072	
City: Tacoma		Phone: (800) 742-9620 Email: info@nwtank.com		
County: Pierce		ICC Certification Type: Tightness Testing ICBO- U3		
Site Phone: 253-383-3867		ICC Cert. #: 8201669 - U3 Exp. Date: 08/04/2022		
III. UST OWNER/OPERATOR				
Name: CMGA Investment Corps Phone: 253-383-3867 Email: cherylef@comcast.net				
IV. UST SYSTEM INFORMATION Observations on test day.				
1. Tank ID #, as registered with Ecology or identified on ATG	1	2	3	4
2. Tank Status. OP (Operational); TC (Temporary Closure)	OP	OP	OP	OP
3. Product stored, including % of alternative fuels	Regular	Regular	Premium	Diesel
4. Tank or compartment capacity (gallons)	10000	10000	10000	10000
5. Product pumping/flow method. Note as: P (Pressurized); NS (Non-safe Suction); SS (Safe Suction); Si (Siphon); GR (Gravity Fed)	Pressure	Pressure	Pressure	Pressure
Abbreviations for lines 5 and 6 below: Steel (ST); Fiberglass (FRP); Clad Steel (CLAD); Flexible (FLEX); Double Wall (DW); Single Wall (SW); Not Visible (NV)				
6. Tank material and construction observed	DWF	DWF	DWF	DWF
7. Pipe material and construction observed	DWF	DWF	DWF	DWF
V. REASON FOR SERVICES PERFORMED (Check all that apply)				
<input checked="" type="checkbox"/> Annual testing <input checked="" type="checkbox"/> 3-year testing	<input type="checkbox"/> Test after install/repair <input type="checkbox"/> Return UST system to operation	<input type="checkbox"/> Other (explain):		

VI. SERVICES PERFORMED			
Required: Include verification for each test performed.			
	#PASS	#FAIL	# REPAIRED& PASSING
SERVICES:	DESCRIPTIONS REQUIRED: (SEE INSTRUCTIONS P. 4-7)		
ALLD Test (attach data) Test method used: LDT 890 Test method cert.exp.date: 2/18/2021	4		
Tested Reg1 , Reg2, & Prem from #5/6. Tested Diesel from #11/12.			
Line Tightness Test (attach data) Test method used: Acurite Test method cert.exp.date: 2/12/2022	4		
Tested Reg1 , Reg2, & Prem from #5/6. Tested Diesel from #11/12.			
Electronic Monitoring System Tests Controller.mfr/model: V-R TLS 350 Controller cert.exp.date: 7/9/2021 Monitor/controller Probe Sump Sensor Functionality Tank Annular Sensor Functionality	 1 4 4		
Tested to RP1200 standards. . Tested to RP1200 standards. Not tested, could not remove fill sump lids. Tested to RP1200 standards. Tested to RP1200 standards.			
Overfill Equipment Test <input type="checkbox"/> Auto shutoff <input type="checkbox"/> Ball float valve <input type="checkbox"/> Overfill alarm			
Not tested, could not remove fill sump lids.			
Fill/Spill Bucket Test (attach data)	3	1	
Tested to RP1200 standards. T2 Reg (End Tank) spill bucket failed.			
Tank-Top or Transition Sump Test (attach data)			
UDC Sump Test (attach data)			
Tank Tightness Test (attach data) 3rd-party certified test: Test method used: N/A Test method cert.exp.date:			
Other			
VII. EXPLANATIONS/PROBLEMS ENCOUNTERED: <i>Provide additional test information. Explain irregularities. Describe problems encountered and how addressed..</i>			
Sump Test: Comments - T2 Reg (End tank) Fill spill bucket failed. Manager said she will have mascott replace. Tank Monitor: --Tank_monitors-- #1: -Probe inspection and overfill not tested. Fill sump lids can not be removed, all bolts/ screws are breaking when trying to remove them. Spoke with the manager and she said she will get Mascott out to unsieze all bolts/ screws on the fill sump and the snow plow ring. Return viti required. -Backup battery is operational.			

Comments - Manager is calling Mascott to fix fill sump lids and to replace T2 Reg (end Tank) fill spill bucket.

VIII. UST SITE AND SYSTEM DIAGRAM*Diagram required. Include North arrow.*

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

IX. FINAL CHECK**Mark the following:**

YES NO N/A

1. All checked services tested per recommended practices, code and/or manufacturer's requirements, and in accordance with state regulations.

☒ ☐ ☐

2. Owner/operator provided with copy of the checklist and testing results.

☒ ☐ ☐

3. Any faulty equipment or necessary repairs explained to owner/operator or site contact.

☒ ☐ ☐**X. REQUIRED SIGNATURES**

01/20/2021

Joshua Montgomery - Tech

Date

Signature of Certified Service Provider

Print or Type Name

01/20/2021

Randy Fields

Date

Signature of Tank Owner or Authorized Representative

Print or Type Name

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: Randy Fields

Make / Model Monitoring System: V-R TLS 350

Company Name: CMGA Investment Corps

Site Address: 3601 Center St

UST Site ID: 101918

Date Of Testing: 01/20/2021

Site Name: Fields Arco AM/PM 83031

City, State, ZIP: Tacoma, WA 98409-3119

Facility Phone Number: 253-383-3867

Serial #: A0470752205001

B. Inventory of Equipment Tested/Certified

Tank #: 1 Regular		Tank #: 2 Regular	
In-Tank Gauging Probe	Mag 1 Probe	In-Tank Gauging Probe	Mag 1 Probe
Annular Space or Vault Sensor:	794390-409 (10' Dia)	Annular Space or Vault Sensor:	794390-407 (8' Dia)
Piping Sump / Trench Sensor:	794380-208	Piping Sump / Trench Sensor:	794380-208
Fill Sump Sensor:	N/A	Fill Sump Sensor:	N/A
Mechanical Line Leak Detector:	STP MLD	Mechanical Line Leak Detector:	LD2000
Electronic Line Leak Detector:	N/A	Electronic Line Leak Detector:	N/A
Tank Overfill / High Level Sensor:	HLA/DTFV	Tank Overfill / High Level Sensor:	HLA/DTFV
Other:		Other:	

Tank #: 3 Premium		Tank #: 4 Diesel	
In-Tank Gauging Probe	Mag 1 Probe	In-Tank Gauging Probe	Mag 1 Probe
Annular Space or Vault Sensor:	794390-407 (8' Dia)	Annular Space or Vault Sensor:	794390-407 (8' Dia)
Piping Sump / Trench Sensor:	794380-208	Piping Sump / Trench Sensor:	794380-208
Fill Sump Sensor:	N/A	Fill Sump Sensor:	N/A
Mechanical Line Leak Detector:	LD2000	Mechanical Line Leak Detector:	LD2000
Electronic Line Leak Detector:	N/A	Electronic Line Leak Detector:	N/A
Tank Overfill / High Level Sensor:	HLA	Tank Overfill / High Level Sensor:	HLA/DTFV
Other:		Other:	

Dispenser ID:	1/2	Dispenser ID:	3/4
Dispenser Containment Sensors Model:	N/A	Dispenser Containment Sensors Model:	N/A
Shear Valves: Yes	Floats & Chains: No	Shear Valves: Yes	Floats & Chains: No

Dispenser ID:	5/6	Dispenser ID:	7/8
Dispenser Containment Sensors Model:	N/A	Dispenser Containment Sensors Model:	N/A
Shear Valves: Yes	Floats & Chains: No	Shear Valves: Yes	Floats & Chains: No

Dispenser ID:	9/10	Dispenser ID:	11/12
Dispenser Containment Sensors Model:	N/A	Dispenser Containment Sensors Model:	N/A
Shear Valves: Yes	Floats & Chains: No	Shear Valves: Yes	Floats & Chains: No

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: Joshua Montgomery

Certification Number:

Expiration Date:

Signature:

A handwritten signature in black ink, appearing to read "Josh" followed by a stylized flourish or initial.

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

Address: 21120 Hwy 9 SE Woodinville, WA 98072

Date of Testing: 01/20/2021

D. Results of Testing/Service

Yes	Is the audible alarm operational?
Yes	Is the visual alarm operational?
Yes	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?
Yes	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?
90%	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

-Probe inspection and overfill not tested. Fill sump lids can not be removed, all bolts/ screws are breaking when trying to remove them. Spoke with the manager and she said she will get Mascott out to unsieze all bolts/ screws on the fill sump and the snow plow ring. Return viti required. -Backup battery is operational.

State Tank ID	Product	Manual Stick Readings(inches)	Gauge Readings(inches)	Difference
1	Regular	68.5	68.14	.36
2	Regular	68.75	68.19	.56
3	Premium	32.25	31.91	.34
4	Diesel	27.25	26.91	.34

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?
No	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?

Automatic Line Leak Detector Test Results

Company Name: CMGA Investment Corps
 Site Name: Fields Arco AM/PM 83031
 Address: 3601 Center St Tacoma, WA 98409-3119
 UST Site ID: 101918
 Test Date/Time: 01/20/2021 08:20:08 am

Job ID Number: 97680
 Technician Name: Joshua Montgomery
 License Number: 8201669 - U3
 Expiration Date: 08/04/2022

Product: Regular Tank ID: 1 LD Type: Mechanical	Make: FE Petro Model: STP MLD Serial#: Unreadable	Operating Pressure: 31 Holding Pressure: 30 Bleedback (ml): 150	Result: Pass
Additional Data For Mechanical Leak Detectors Only			
Metering Pressure: 24 Step Through Time: 1			
Product: Regular Tank ID: 2 LD Type: Mechanical	Make: VMI Model: LD2000 Serial#: 02113020	Operating Pressure: 30 Holding Pressure: 30 Bleedback (ml): 150	Result: Pass
Additional Data For Mechanical Leak Detectors Only			
Metering Pressure: 23 Step Through Time: 1			
Product: Premium Tank ID: 3 LD Type: Mechanical	Make: VMI Model: LD2000 Serial#: 0710344	Operating Pressure: 29 Holding Pressure: 18 Bleedback (ml): 100	Result: Pass
Additional Data For Mechanical Leak Detectors Only			
Metering Pressure: 21 Step Through Time: 1			
Product: Diesel Tank ID: 4 LD Type: Mechanical	Make: VMI Model: LD2000 Serial#:	Operating Pressure: 30 Holding Pressure: 30 Bleedback (ml): 350	Result: Pass
Additional Data For Mechanical Leak Detectors Only			
Metering Pressure: 16 Step Through Time: 1			

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:

Technician Name: Joshua Montgomery
 Signature:



Date: 01/20/2021

Line Tightness Test Results

Company Name: CMGA Investment Corps
 Site Name: Fields Arco AM/PM 83031
 Address: 3601 Center St Tacoma, WA 98409-3119
 UST Site ID: 101918
 Test Date: 01/20/2021

Job ID Number: 97680
 Technician Name: Joshua Montgomery
 License Number: 8201669 - U3
 Expiration Date: 08/04/2022

Line Tightness Test Data

Product:	Regular	Tank ID:	1	Start Time:	10:12
Approx Length:	200	STP MFG:	FE Petro 2 HP	End Time:	10:42
Size:	2	Operating Pressure:	31	Total Test Time:	30mins
Line Material:	DWF	Test Pressure:	50	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Impact Valve	Impact Valves Operational:	Yes
Boot Back:	Yes	Isolation Pump:	Ball Valve	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	0.100	Result:	Pass
		Final Cylinder Level:	0.100		

Product:	Regular	Tank ID:	2	Start Time:	10:12
Approx Length:	20	STP MFG:	FE Petro 2 HP	End Time:	10:42
Size:	2	Operating Pressure:	30	Total Test Time:	30mins
Line Material:	DWF	Test Pressure:	50	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Impact Valve	Impact Valves Operational:	Yes
Boot Back:	Yes	Isolation Pump:	Ball 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:	3	Start Time:	10:12
Approx Length:	200	STP MFG:	FE Petro 2 HP	End Time:	10:42
Size:	2	Operating Pressure:	29	Total Test Time:	30mins
Line Material:	DWF	Test Pressure:	50	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Impact Valve	Impact Valves Operational:	Yes
Boot Back:	Yes	Isolation Pump:	Isolation Plug	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	0.100	Result:	Pass
		Final Cylinder Level:	0.100		

Product:	Diesel	Tank ID:	4	Start Time:	10:12
Approx Length:	100	STP MFG:	Tokheim 1.5 HP	End Time:	10:42
Size:	2	Operating Pressure:	30	Total Test Time:	30mins
Line Material:	DWF	Test Pressure:	50	Final Leak Rate:	.00000
Wall Type:	Double	Isolation Dispenser:	Impact Valve	Impact Valves Operational:	Yes
Boot Back:	Yes	Isolation Pump:	Isolation Plug	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	0.100	Result:	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:

Technician Name: Joshua Montgomery

Signature:



Date: 01/20/2021

Certificate Of Precision Containment Sump Testing

Company Name: CMGA Investment Corps Testing Company Name: Northwest Tank & Environmental Services, Inc.
Site Name: Fields Arco AM/PM 83031 Address: 21120 Hwy 9 SE
Address: 3601 Center St Tacoma, WA 98409-3119 City/State/Zip: Woodinville, WA 98072
Test Date/Time: 01/20/2021 11:48:47 am PH: (800) 742-9620 FAX: (425) 645-7881
Service Order#: 97680 <http://www.nwtank.com>
Customer PO#: COD
Test Method: Hydrostatic
UST Site ID: 101918

Test #	Component Location	MFR	Start Time	End Time	Start Test (inches)	End Test (inches)	Sump Type	SW or DW Sump/Bucket	DW or SW Lines	Measured Loss	Results
1	T1 Reg	OPW	11:12:26	12:12:27	7	7	Fill Spill Bucket	SW	DW	0	Pass
2	T2 Reg (End Tank)	OPW	11:12:26	12:12:27	7	0	Fill Spill Bucket	SW	DW	7	Fail
3	T3 Prem	OPW	11:12:26	12:12:27	7.5	7.5	Fill Spill Bucket	SW	DW	0	Pass
4	T4 Diesel	OPW	11:12:26	12:12:27	6.75	6.75	Fill Spill Bucket	SW	DW	0	Pass

Comments:

T2 Reg (End tank) Fill spill bucket failed. Manager said she will have mascot replace.

Testing performed by: Joshua Montgomery

Signature:



Date: 01/20/2021