DEPARTMENT OF ECOLOGY
State of Washington

WA LEAK TESTING CHECKLIST
FOR UNDERGROUND STORAGE TANKS (USTS)

UST ID #: 100434
County: Benton

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

☑ **PASS -** All Section VI services performed have passing results. ☐ **FAIL -** One or more components tested in Section VI require repair and re-testing.	**DATE TESTS CONDUCTED:** **05/05/2023**

I. UST FACILITY	II. CERTIFIED SERVICE PROVIDER
Facility Compliance Tag #: A0981	Service Provider Name: Keith Lawty
UST ID #: 100434	Company Name: Northwest Tank & Environmental Services, Inc.
Site Name: Richland Yacht Club	Address: 21120 Hwy 9 SE
Site Address: 350 Columbia Point Drive	City: Woodinville State: WA Zip: 98072
City: Richland	Phone: (800) 742-9620 Email: info@nwtank.com
County: Benton	ICC Certification Type: Tightness Testing ICBO- U3
Site Phone: 509-531-5658	ICC Cert. #: 8589-U3 Exp. Date: 10/06/2024

III. UST OWNER/OPERATOR

Name: Richland Yacht Club Phone: 509-943-6133 Email: roykeck@charter.net

IV. UST SYSTEM INFORMATION

Observations on test day.

1. Tank ID #, as registered with Ecology or identified on ATG	1
2. Tank Status. OP (Operational); TC (Temporary Closure)	OP
3. Product stored, including % of alternative fuels	Non Ethanol Premium
4. Tank or compartment capacity (gallons)	1990
5. Product pumping/flow method. Note as: P (Pressurized); NS (Non-safe Suction); SS (Safe Suction); Si (Siphon); GR (Gravity Fed)	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	CLD
7. Pipe material and construction observed	SWS

V. REASON FOR SERVICES PERFORMED

(Check all that apply)

☑ Annual testing ☐ 3-year testing	☐ Test after install/repair ☐ Return UST system to operation	☐ Other (explain):

VI. SERVICES PERFORMED

Required: Include verification for each test performed.

SERVICES:	#PASS	#FAIL	# REPAIRED& PASSING	DESCRIPTIONS REQUIRED: (SEE INSTRUCTIONS P. 4-7)
ALLD Test **(attach data)** Test method used: **LDT 890** Test method cert.exp.date:**11/28/2024**	1			See notes in LLD testing section. Testing performed as per RP1200 standards.
Line Tightness Test **(attach data)** Test method used: **Acurite** Test method cert.exp.date: **7/19/2024**	1			See notes in Line Tightness testing section.
Electronic Monitoring System Tests Controller.mfr/model:**V-R TLS 350** Controller cert.exp.date: **10/6/2024** Monitor/controller Probe Sump Sensor Functionality Tank Annular Sensor Functionality	 1 1			See notes in Monitor Insp. section. Testing performed as per RP1200 standards. . See notes in Monitor Insp. section. Testing performed as per RP1200 standards. See notes in Monitor Insp. section. Testing performed as per RP1200 standards.
OverfillEquipment Test ☐ Auto shutoff ☐ Ball float valve ☐ Overfill alarm				
Fill/Spill Bucket Test **(attach data)**				
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:

Provide additional test information. Explain irregularities. Describe problems encountered and how addressed..

Leak Detector:
Comments - Automatic Line Leak Detector testing performed as per RP1200 standards.

Mechanical LLD testing for T1(NE_Prem) performed from sole dispenser located on dock.

Line Test:
Comments - Line Tightness testing performed through isolation plug at turbine.

Use of isolation plug needed as check valve does not hold pressure.

Tank Monitor:

--Tank_monitors--
#1: 5/05/2023:

Testing/inspection of monitoring equipment performed as per RP1200 standards.

Removed 1 ATG probe to clean, inspect, and test.
Verified the following alarms to sole ATG probe:
-High Water Warning
-High Water Alarm
-Overfill Alarm
-High Product Alarm

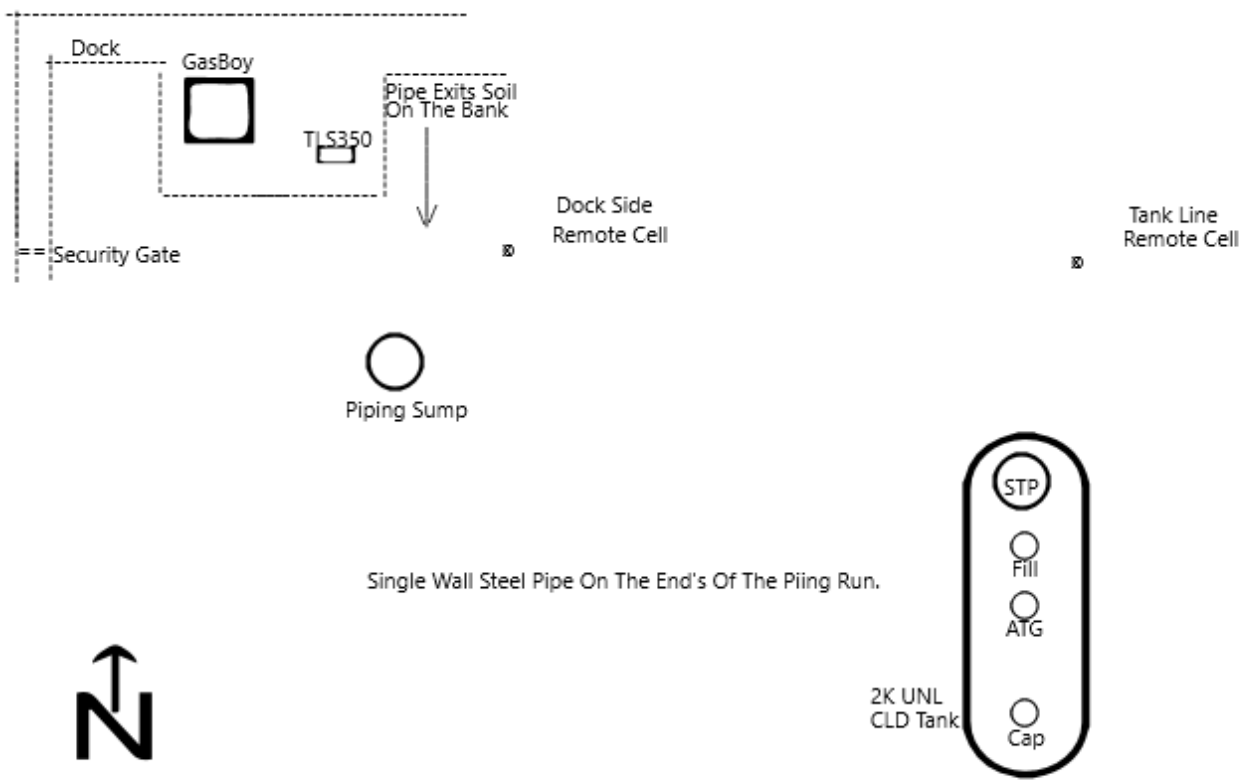
Backup battery inspected; functional, within spec.

No sensors on site.

Compared manual fuel level readings with that from the monitor.

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

Date	Signature of Certified Service Provider	Print or Type Name
05/05/2023		Keith Lawty - Tech
05/05/2023		Bryan Bobbett - Manager

Date — Signature of Tank Owner or Authorized Representative — Print or Type Name

Automatic Line Leak Detector Test Results

Company Name: Richland Yacht Club
Site Name: Richland Yacht Club
Address: 350 Columbia Point Drive Richland, WA 99352-4370
UST Site ID: 100434
Test Date/Time: 05/05/2023 08:55:54 am

Job ID Number: 117896
Technician Name: Keith Lawty
License Number: 8589-U3
Expiration Date: 10/06/2024

Product: Non Ethanol Premium Tank ID: 1 LD Type: Mechanical	Make: Red Jacket Model: FX1V Serial#: 5910	Operating Pressure: 28 Holding Pressure: 27 Bleedback (ml): 900	**Result:** Pass
Additional Data For Mechanical Leak Detectors Only Metering Pressure: 13 Step Through Time: 6			

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: Automatic Line Leak Detector testing performed as per RP1200 standards. Mechanical LLD testing for T1(NE_Prem) performed from sole dispenser located on dock.

Technician Name: Keith Lawty
Signature:

Date: 05/05/2023

Line Tightness Test Results

Company Name:	Richland Yacht Club	Job ID Number:	117896
Site Name:	Richland Yacht Club	Technician Name:	Keith Lawty
Address:	350 Columbia Point Drive Richland, WA 99352-4370	License Number:	8589-U3
UST Site ID:	100434	Expiration Date:	10/06/2024
Test Date:	05/05/2023		

Line Tightness Test Data

Product:	Regular	Tank ID:	1	Start Time:	09:58
Approx Length:	300	STP MFG:	FE Petro 3/4 HP	End Time:	10:28
Size:	1.5	Operating Pressure:	28	Total Test Time:	30mins
Line Material:	SWS	Test Pressure:	42	Final Leak Rate:	.00000
Wall Type:	SW	Isolation Dispenser:	Impact Valve	Impact Valves Operational:	Yes
Boot Back:	N/A	Isolation Pump:	Isolation Plug	Check Valve Location:	N/A
Line Type:	Pressure	Initial Cylinder Level:	0.090	**Result:**	Pass
		Final Cylinder Level:	0.090		

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 performed through isolation plug at turbine. Use of isolation plug needed as check valve does not hold pressure.

Technician Name: Keith Lawty
Signature:

Date: 05/05/2023

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: Brian Bobbett
Make / Model Monitoring System: V-R TLS 300

Company Name: Richland Yacht Club
Site Address: 350 Columbia Point Drive
UST Site ID: 100434
Date Of Testing: 05/05/2023
Site Name: Richland Yacht Club
City, State, ZIP: Richland, WA 99352-4370
Facility Phone Number: 509-531-5658
Serial #: F11178195805001

B. Inventory of Equipment Tested/Certified

Tank #: 1 Non Ethanol Premium	
In-Tank Gauging Probe	Mag 1 Probe
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:	

Dispenser ID:	1
Dispenser Containment Sensors Model:	N/A
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: Keith Lawty
Certification Number:
Expiration Date:
Signature:

Testing Company Name: Northwest Tank & Environmental Services, Inc.
Address: 21120 Hwy 9 SE Woodinville, WA 98072
Date of Testing: 05/05/2023

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?
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.
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

5/05/2023: Testing/inspection of monitoring equipment performed as per RP1200 standards. Removed 1 ATG probe to clean, inspect, and test. Verified the following alarms to sole ATG probe: -High Water Warning -High Water Alarm -Overfill Alarm -High Product Alarm Backup battery inspected; functional, within spec. No sensors on site. Compared manual fuel level readings with that from the monitor.

State Tank ID	Product	Manual Stick Readings(inches)	Gauge Readings(inches)	Difference
1	Non Ethanol Premium	30.5	30.36	.14

F. In-Tank Gauging / SIR Equipment

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

Yes	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
Yes	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?
Yes	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?

RTMENT OF

UST WALKTHROUGH INSPECTIONS CHECKLIST

Richland Yacht Club — **Site Name**

350 Columbia Pt. Dr. Richland, WA — **Site Address**

A0981 — **Tag #**

- Initial each box to indicate the equipment was inspected, as described. Use NA if the equipment inspection does not apply to the site.
- Take action for any alarms, damaged equipment and non-normal operating conditions; note actions taken on page 2
- NOTE: Petroleum found in a sump or interstice must be reported to Ecology within 24 hours.

2023	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
REQUIRED MONTHLY												
Spill bucket(s) checked for damage and cracks*. Liquid and/or debris removed.												
Fill pipe(s) checked for obstructions. Removed, if found.												
Fill cap(s) securely fitted on fill pipe(s).												
Tank monitor equipment checked for alarms and normal operating condition.												
Leak detection records are reviewed for non-leaking results and kept for three years. Suspected leaks were reported.												
REQUIRED ANNUALLY												
Containment sump(s) checked for damage and presence of liquid. Liquid and/or debris removed.	—	—	—		5/5 EL		—	—	—	—	—	—
If using **manual tank gauging**, checked condition of tank gauge stick is good (e.g. readable at 1/8" increments throughout).		—	—	—	—	—	—	—	—	—	—	—
RECOMMENDED ACTIVITIES												
Emergency spill response supplies inventoried and restocked if low. Inspected supplies for deterioration.												
Inspected loose fitting, deterioration, obvious signs of leaks and improper function of **dispenser hoses, nozzles and breakaways**.												

*If a tank receives deliveries at intervals greater than 30 days, the spill bucket check may instead be conducted prior to each delivery. To be eligible for this option, include a copy of each delivery receipt with this form.

Note: This checklist doesn't include the requirement to inspect hydrant pits and piping vaults at airport hydrant systems at least every 30 days.

Use this table to explain actions taken by employees and/or service provider to fix issues. Use additional sheets, as necessary.

Date	Action taken		Initials
5.5.23	Annual testing performed (117896)	NWT	KL

Keep this record for three years after the last inspection date on the form.

To request materials in a format for the visually impaired, visit https://ecology.wa.gov/accessibility, call Ecology at 360-407-7668, Relay Service 711, or TTY 877-833-6341.