State of Oregon Department of Environmental Quality

Annual Release Detection Operability Testing Form

- **In-tank setup and alarm history reports must be attached to testing form.**
- **Maintain three years of testing records.**
- Instructions on how to use this form.

I. FACILITY INFORMATION – Type or print (in ink) all items.				**TEST DATE**	
Facility ID #:		Facility Name:			
II. AUTOMATIC TANK GAUGE				**☐ Pass**	**☐ Fail**
ATG Manufacturer:		ATG Model:			
Release Detection Method:		Tank Gauge 0.2 gph leak tests: (☐ Continuous ☐ Static) ☐ SIR ☐ Interstitial Monitoring			
Battery Backup Functional? ☐ Yes ☐ No		ATG software properly programmed? ☐ Yes ☐ No			
ATG alarms functional and audible? ☐ Yes ☐ No		ATG In-Tank Setup Reports attached to form? ☐ Yes			
III. TEST PROCEDURE					
☐ PEI/RP 1200	☐ Oregon Testing Procedures (Page 2)	☐ Manufacturer Testing Procedures	☐ Other Method (Describe)		

IV. PROBE AND TESTING INFORMATION					
Tank Number	666	666			
Product Stored					
Model					
Is the ATG console clear of alarms?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Disconnect cable from tank probe. Is appropriate alarm triggered?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Tank gauge probes removed and inspected for damage?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Residual buildup on floats has been removed?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Float(s) move freely?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Measured product and water levels match ATG values?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Alarm history report attached?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
V. TEST RESULT	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**
Any “No” answer indicates the test failed. Failed tests must be remedied and retested immediately.					

VIII. COMMENTS

The comments section should be used to note additional information discovered or actions taken during testing that affect compliance

IX. TESTER	
Person conducting testing:	

DEQ tank gauge and probe functionality testing procedures

1. Inspect console and verify that there are no active or recurring warnings or alarms.
2. Confirm that both the visual and audible alarms on the tank gauge console function correctly.
3. Verify that the correct set-up parameters for the probes and appropriate tank leak detection is programmed correctly.
4. Test battery backup (if present).
5. Remove tank probe from tank.
6. Disconnect probe, wait for "Probe Out" alarm, reconnect probe and reset tank gauge.
7. Remove build up from probes.
8. Measure the fuel and water contents of the tank and compare with the tank gauge inventory report ensuring that they are the same.
9. Ensure that the probe's fuel and water floats are the correct type for the product stored in the tank.
10. Reposition the floats, measure distance from bottom of the probe, and utilize tank charts to confirm accuracy of the tank gauge.
11. Reinstall probes ensuring that the tank riser cap seals properly and the communication cable seal is tight.
12. If tank gauge is equipped with printer, attach the printed tank gauge in-tank setup and alarm history report demonstrating that probes were tested.

DEQ sensor functionality testing procedures

1. Inspect sensor for damage.
2. Place sensor in at least three inches of testing liquid.
3. Verify sensor alarms at tank gauge or sensor has appropriate alarm response (dispenser or turbine shut down).
4. Clear alarm.
5. Reinstall sensor upon verification of proper operation.
6. If tank gauge is equipped with printer, attach the printed tank gauge in-tank setup and alarm history report demonstrating that sensors were tested.