State of Oregon Department of Environmental Quality

# Release Detection Operability Testing Form Instructions

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## Completing the Testing Form

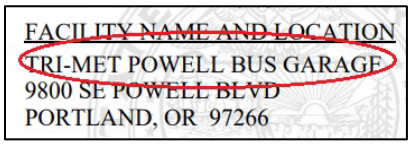
This document outlines the requirements for completing the Annual Release Detection Operability Testing Form

### I. Facility Information

**Facility ID#:** The facility number found on the Certificate to Operate.


CERTIFICATE TO OPERATE
UNDERGROUND STORAGE TANKS
REGISTRATION CERTIFICATE NUMBER
26-7911-2022-OPER

**Facility Name** The name of the facility on the Certificate to Operate.


FACILITY NAME AND LOCATION
TRI-MET POWELL BUS GARAGE
9800 SE POWELL BLVD
PORTLAND, OR 97266

**Test Date** The day the test was conducted.

### II. Automatic Tank Gauge

**ATG Manufacturer** The tank gauge at the facility (Example: Veeder Root, INCON, EECO, EVO, Omntec, etc.)

**ATG Model** The model of the tank gauge at the facility (Example: TLS-350, 1000 TS-1000EFI, EVO-550, etc.).

**Release Detection Method:** Select the appropriate release detection method used at the facility. Check all that apply.

**Battery Backup Functional:** Check Yes or No if the battery backup is functional. If there is not a battery backup, note that in the comments.

**ATG Software Programmed Correctly:** Verify the in-tank parameters associated with the probes are programmed correctly. Each tank gauge has different parameters and not all parameters will be included with every tank gauge. Refer to your tank gauge operation manual.

**ATG Alarms Functional and Audible:** Verify the alarm at the tank gauge is functional. Refer to tank gauge manual to activate alarms. **This is not the same as the overfill alarm testing.** Check Yes or No. If you check No, explain why in the comments.

**ATG In-Tank Setup Reports attached to form:** In-tank setup report must be attached to testing form for completion. Ensure the date of the tank gauge print out is the same as the testing date on the form. Ensure tank volume and profile are correct per tank chart. Ensure in-tank setup reports indicate that these parameters were verified the day of the testing. **Missing in-tank setup reports may result in a violation requiring re-testing.**

## III. Test Procedure

Check the appropriate testing method. Oregon allows testing to be conducted in accordance with either the manufacturer instructions; a code of practice developed by a nationally recognized association or an independent testing laboratory; or requirements determined by DEQ.

- Franklin Fueling System Automatic Tank Gauge Maintenance Guide
- Veeder Root Leak Detection Systems Operability Testing Guide
- RP1200: Testing of UST Spill, Overfill, Leak Detection and Secondary Containment

If you check Other Method, include detailed testing procedures. Contact DEQ prior to testing to ensure the other method is approved.

## IV. Probe and Testing Information

**Tank Number:** This is the tank number from the in-tank setup report.

**Product Stored:** This is the product stored in the tank that is on the in-tank setup report.

**Model:** This is the model number of the probe, which you can determine once the probe is removed.

**Is the ATG console clear of alarms?** Check Yes or No prior to testing any probes. If an alarm is already present prior to testing, note the alarm in the comments section.

**Disconnect cable from tank probe. Is the appropriate alarm triggered?** Check Yes or No. If you check No, explain why in the comments.

**Tank gauge probes removed and inspected for damages?** Remove the tank gauge probe from the tank and inspect. Check Yes or No. If you check No, explain why in the comments.

**Residual buildup on floats has been removed?** Check Yes or No. If you check No, explain why in the comments.

**Measured product and water levels match ATG values?** With the probe out, set the water and fuel floats to a specific measurement on the tape measure. Verify that these measurements are same as levels noted on tank gauge. Refer to the tank gauge manual for more information. Check Yes or No. If you check No, explain why in the comments.

**Float(s) move freely?** Gently move the floats up the probe shaft to ensure proper movement. Check Yes or No. If you check No, explain why in the comments.

**Alarm history report attached?** The alarm history report verifies that the probes were tested. Missing alarm history report may result in a violation and require retesting.

## V. Probe Test Results

Check Pass or Fail for each probe tested. If you check Fail, you must correct the cause of the failure and retest the probes immediately.

## VI. Sensors And Testing Information
**(complete if using interstitial monitoring for tanks and/or piping)**

**Sensor as identified on tank gauge:** Such as L1 or Tank 2 Interstitial. If standalone sensor, describe in notes. Use multiple sheets if necessary.

**Is sensor in alarm?** Is the sensor in alarm at the beginning of the test. If Yes, explain why in the comments.

**Sensor installed in the proper location and position:** Sensors should be resting on the bottom of the sump, at the lowest point, and as close to the pipe penetration as possible, or according to manufacturer specifications. Check Yes or No. If you check No, explain why in the comments.

**Sensor triggers alarm, at tank gauge, when placed in test liquid:** Manufacturers require placing sensors in testing liquid to verify operability. With sensor in testing liquid, verify alarm at tank gauge is triggered. Check Yes or No. No indicates that the sensor may not be working, and interstitial monitoring is not being conducted. If sensor is not functioning, you must correct the failure and retest the sensor immediately.

**When alarm is triggered, the sensor is properly identified on the ATG:** Check Yes or No. No also indicates the test failed. You must remedy the failure and retest immediately.

**Alarm history report attached?** The alarm history report verifies that the sensors were tested on a specific day. Missing alarm history report may result in a violation and require retesting.

## VII. Sensor Test Results

Check Pass or Fail for each sensor tested. If you check Fail, you must correct the failure and retest immediately.

## VIII. Comments

Document testing observations such as.

> *Tank 3 in alarm upon arrival. Tank 3 probe had loose connection. Reconnected probe and alarm stopped. Tank 4 probe hard wired to tank gauge. All tank top sensors placed at lowest point in sump. Dispensers contain standalone DC-400 sensors, sensor submerged in testing liquid and dispenser shutdown.*

Link to completed example form

# Alternative formats

DEQ can provide documents in an alternate format or in a language other than English upon request. Call DEQ at 800-452-4011 or email deqinfo@deq.oregon.gov.