



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY 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. (LINK)

I. FACILITY INFORMATION – Type or print (in ink) all items.					TEST DATE	
Facility ID #: 8469		Facility Name: DB Cooper's spot			2/3/2021	
II. AUTOMATIC TANK GAUGE					<input type="checkbox"/> Pass	<input type="checkbox"/> Fail
ATG Manufacturer Veeder Root			ATG Model 350			
Release Detection Method: Tank Gauge 0.2 gph leak tests: <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Static <input type="checkbox"/> SIR <input type="checkbox"/> Interstitial Monitoring						
Battery Backup Functional?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		ATG software properly programmed?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
ATG alarms functional and audible?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		ATG In-Tank Setup Reports attached to form?		<input checked="" type="checkbox"/> Yes
III. TEST PROCEDURE						
<input checked="" type="checkbox"/> PEI/RP 1200 <input type="checkbox"/> Oregon Testing Procedures (Page 2) <input type="checkbox"/> Manufacturer Testing Procedures <input type="checkbox"/> Other Method (Describe)						
IV. PROBE AND TESTING INFORMATION						
Tank Number	T1	T2	T3			
Product Stored	unlead	Diesel	Super			
Model	Mag Plus	Mag Plus	Mag Plus			
Is the ATG console clear of alarms?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Disconnect cable from tank probe. Is appropriate alarm triggered?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tank gauge probes removed and inspected for damage?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Residual buildup on floats has been removed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Float(s) move freely?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Measured product and water levels match ATG values?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Alarm history report attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No See notes	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
V. TEST RESULT		<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Any "No" answer indicates the test failed. Failed tests must be remedied and retested immediately.

Facility ID # 8469

Facility Name DB Cooper

Test Date 2/3/2021 & 10/20/2021

VI. SENSORS AND TESTING INFORMATION (liquid sensors, tank interstitial sensors, etc.)								
Sensor as identified on tank gauge	L1	L2						
Is sensor in alarm? (If yes, indicate why in the comments section)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sensor installed in the proper location and position?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sensor triggers alarm, at tank gauge, when placed in test liquid	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
When alarm is triggered, the sensor is properly identified on the ATG	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Alarm history report attached?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
VII. TEST RESULTS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> 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

2/3/2021 Tested tank gauge probes - alarm history report for tank gauge TI did not print. I tested TI probe per RP 1200 method

10/20/2021 returned to site for maintenance and tested sump sensors L1 & L2 - no sensor in tank top 3 or any dispenser pens

TESTER: RAIAT Himmelsbach

Oregon 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.

Oregon 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 probes were tested.

IN-TANK SETUP

T 1:UNLEADED
PRODUCT CODE : 1
THERMAL COEFF :.000700
TANK DIAMETER : 95.00
TANK PROFILE : 4 PTS
FULL VOL : 12151
71.3 INCH VOL : 9785
47.5 INCH VOL : 6024
23.8 INCH VOL : 3120

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING : 1.0
HIGH WATER LIMIT: 1.5

MAX OR LABEL VOL: 12151
OVERFILL LIMIT : 90%
10936
HIGH PRODUCT : 95%
11543
DELIVERY LIMIT : 10%
1215

LOW PRODUCT : 500
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 99%
12029

LEAK MIN ANNUAL : 99%
12029

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN

T 2:DIESEL
PRODUCT CODE : 2
THERMAL COEFF :.000450
TANK DIAMETER : 94.00
TANK PROFILE : 4 PTS
FULL VOL : 5982
70.5 INCH VOL : 4783
47.0 INCH VOL : 2967
23.5 INCH VOL : 1159

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING : 1.0
HIGH WATER LIMIT: 1.5

MAX OR LABEL VOL: 5982
OVERFILL LIMIT : 90%
5383
HIGH PRODUCT : 95%
5682
DELIVERY LIMIT : 10%
598

LOW PRODUCT : 500
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
0

LEAK MIN ANNUAL : 99%
5922

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN

T 3:SUPER
PRODUCT CODE : 3
THERMAL COEFF :.000700
TANK DIAMETER : 94.70
TANK PROFILE : 4 PTS
FULL VOL : 5983
71.0 INCH VOL : 4817
47.3 INCH VOL : 2995
23.7 INCH VOL : 1174

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING : 1.0
HIGH WATER LIMIT: 1.5

MAX OR LABEL VOL: 5983
OVERFILL LIMIT : 90%
5384
HIGH PRODUCT : 95%
5683
DELIVERY LIMIT : 10%
598

LOW PRODUCT : 500
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 99%
5923

LEAK MIN ANNUAL : 99%
5923

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN

* * * * * END * * * * *

ALARM HISTORY REPORT

----- IN-TANK ALARM -----

T 2:DIESEL

LEAK ALARM

JAN 25. 2021 9:40 AM

HIGH WATER ALARM

FEB 3. 2021 2:24 PM

OVERFILL ALARM

MAR 19. 2022 5:30 PM

NOV 28. 2021 12:02 AM

FEB 3. 2021 2:13 PM

SUDDEN LOSS ALARM

JAN 25. 2021 9:06 AM

HIGH PRODUCT ALARM

FEB 3. 2021 2:13 PM

PROBE OUT

FEB 3. 2021 2:50 PM

FEB 3. 2021 2:28 PM

FEB 3. 2021 2:25 PM

HIGH WATER WARNING

FEB 3. 2021 2:24 PM

MAX PRODUCT ALARM

FEB 3. 2021 2:14 PM

NO CSLD IDLE TIME

DEC 14. 2020 8:00 AM

FEB 1. 2020 8:00 AM

ALARM HISTORY REPORT

----- IN-TANK ALARM -----

T 3:SUPER

LEAK ALARM

JAN 25. 2021 11:10 AM

HIGH WATER ALARM

FEB 3. 2021 1:36 PM

OVERFILL ALARM

FEB 3. 2021 2:04 PM

MAY 31. 2020 11:52 AM

DEC 16. 2019 8:24 AM

SUDDEN LOSS ALARM

JAN 25. 2021 10:38 AM

HIGH PRODUCT ALARM

FEB 3. 2021 2:04 PM

PROBE OUT

FEB 3. 2021 2:07 PM

FEB 3. 2021 1:31 PM

HIGH WATER WARNING

FEB 3. 2021 1:36 PM

NO CSLD IDLE TIME

DEC 14. 2020 8:00 AM

FEB 1. 2020 8:00 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----

L 1:UNLEAD SUMP

PIPING SUMP

FUEL ALARM

OCT 20. 2021 3:12 PM

FUEL ALARM

OCT 20. 2021 3:12 PM

SENSOR OUT ALARM

OCT 20. 2021 11:22 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----

L 2:DIESEL SUMP

PIPING SUMP

FUEL ALARM

OCT 21. 2021 8:40 AM

FUEL ALARM

OCT 20. 2021 4:10 PM

FUEL ALARM

OCT 19. 2021 12:13 PM

* * * * * END * * * * *