



Inspect the leak detection equipment in accordance with manufacturer guidelines and PEI RP 1200, "Recommended Practices for the Testing and Verification of Spill, Overfill, Leak Detection, and Secondary Containment Equipment at UST Facilities". If the manufacturer's instructions do not require a condition to be implemented that triggers an alarm, then you must also trigger an alarm condition. Print the alarm reports triggered during the operability check and attach to this form.  
If the equipment manufacturer (e.g., Veeder Root) requires a training certification to conduct operability checks of there equipment then you must be certified.  
Results must be maintained for at least one year at the UST site or the tank owner or operator's place of business and be readily available for inspection.

**UST FACILITY**

Owner / Operator Name	Facility Name	Facility ID
Facility Street Address	Facility City	County

**CONTRACTOR/PERSON CONDUCTING INSPECTIONS**

Company Name	Phone	Email address
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I certify, under penalty of law, that the testing data provided on this form documents the UST system equipment was checked in accordance with the manufacturer's guidelines and the applicable national industry standards listed in 15A NCAC 2N .407/.0501 and/or 15A NCAC 2N .0900.

Print Name of person conducting inspection		Signature of person conducting inspection				Inspection Date
Sensor Location:	<input type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input type="checkbox"/> Tank Top and Other Sumps	<input type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input type="checkbox"/> Tank Top and Other Sumps	<input type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input type="checkbox"/> Tank Top and Other Sumps	<input type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input type="checkbox"/> Tank Top and Other Sumps	<input type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input type="checkbox"/> Tank Top and Other Sumps	<input type="checkbox"/> Dispenser <input type="checkbox"/> Spill Bucket <input type="checkbox"/> Tank Interstice <input type="checkbox"/> Tank Top and Other Sumps
Enter Location #/Description:	#:	#:	#:	#:	#:	#:
<b>Tank Volume (gallons):</b>						
<b>Product:</b>						
<b>Sensor Manufacturer/Model:</b>						
Type of Sensor	<input type="checkbox"/> Discriminating <input type="checkbox"/> Non-Discriminating					
Is Sensor Position sensitive? (N/A if No and Pos. Sens. not required)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Test Liquid	<input type="checkbox"/> Water <input type="checkbox"/> Product					
Is the ATG console clear of any active or recurring warnings or alarms regarding the leak sensor? If the sensor is in alarm and functioning, indicate why.	<input type="checkbox"/> Yes <input type="checkbox"/> No					
Is the sensor alarm circuit operational?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
Has sensor been inspected and in good operating condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
If Position Sensitive, does sensor alarm when raised off bottom?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
When placed in the test liquid, does the sensor trigger an alarm? (If sensor cannot be removed, e.g., Emco Spill bucket sensor then N/R)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/R	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/R	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/R	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/R	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/R	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/R
When an alarm is triggered, is the sensor properly identified on the ATG console?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
Sensor mounted at the lowest point of interstice (e.g., within 2 inches of containment sump bottom) (Liquid detecting float sensors only)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Alarm report attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No					

Any "No" answer indicates the sensor fails the test.

<b>Test Results</b>	<input type="checkbox"/> Pass <input type="checkbox"/> Fail					
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Print Name of person conducting inspection	Signature of person conducting inspection	Inspection Date
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<b>Tank Volume (gallons):</b>				
<b>Tank Diameter (inches):</b>				
<b>Product:</b>				

**Automatic Tank Gauge (ATG)**  N/A **Note:** If the facility is using the ATG to obtain data for SIR then the ATG operability check must be completed.

ATG Brand and Model				
1. Using tank stick measure fuel level. Stick value agrees with Fuel float level displayed on console?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
2. Using tank stick measure water level. Stick value agrees with Water float level displayed on console?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
3. After removing the ATG probe from the tank, has it been inspected, and any damaged or missing parts replaced?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
4. Franklin Fueling INCON ATGs: Volume Qualifier is 14% or greater? (Attach printout) (Skip question for other ATGs)	<input type="checkbox"/> Yes <input type="checkbox"/> No			

**Magnetostrictive Probes**

5. Float moves freely on the stem without binding?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
6. Inch level (to nearest 1/8 inch) from bottom of stem when 90% alarm is triggered.				
7. Inch level at which the overfill alarm activates corresponds with value programmed in the gauge?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
8. Inch level (to nearest 1/8 inch) from bottom when the water float first triggers an alarm or warning.				
9. Inch level at which the water float alarm activates corresponds with value programmed in gauge?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
10. Alarm reports attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No			

**Capacitance Probes**

11. Initiated diagnostic check of probes from console?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
12. Diagnostic check does not show any open or shorted segments in measurement section of probe? (Attach diagnostic report to form)	<input type="checkbox"/> Yes <input type="checkbox"/> No			

If any answers in Lines 1, 2, 3 (all ATGs) or 4 (INCON); 5, 7, 9 or 10 (for Mag Probes); 11 or 12 (for Cap Probes) are "No", the system has failed the test.

**Test Results**  Pass  Fail  Pass  Fail  Pass  Fail  Pass  Fail

**Spill Bucket Interstice Visual Gauge**  N/A

**Gauge manufacturer**

Gauge removed and visually inspected, and no damage noted?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
O-ring/seals on entry fitting of gauge are present and not damaged?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Float mechanism moves freely up and down?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Indicator arrow rotates when float moved up and down (Franklin Fueling, Fairfield Ind and OPW) or Indicator shows red, "TEST", when float in up position and green, "Ok" when float in down position (Emco Wheaton)?	<input type="checkbox"/> Yes <input type="checkbox"/> No			

**Test Results** (Any "No" answer indicates the equipment fails.)  Pass  Fail  Pass  Fail  Pass  Fail  Pass  Fail



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<b>Tank #:</b>				
<b>Tank Volume:</b>				
<b>Product:</b>				
<b>Leak Detector Manufacturer:</b>				
<b>Leak Detector Model:</b>				
<b>Type of Leak Detector:</b>	<input type="checkbox"/> MLLD <input type="checkbox"/> ELLD			

**MLLD (ALL PRESSURE MEASUREMENT ARE MADE IN PSIG)**

STP Full Operating Pressure				
Check Valve Holding Pressure				
Line Resiliency (ml) (line bleed back volume as measured from check valve holding pressure to 0 psig)				
Step Through Time in Seconds (time the MLLD hesitates at metering pressure before going to full operating pressure as measured from 0 psig with no leak induced on the line)				
Metering Pressure (STP pressure when simulated leak rate, 3 gph at 10 psig)				
Opening Time in Seconds (the time the MLLD opens to allow full pressure after simulated leak is stopped)				
Does the STP pressure remain at or below the metering pressure for at least 60 seconds when the simulated leak is induced?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Does the leak detector reset (trip) when the line pressure is bled off to zero psig?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Does the STP properly cycle on/off under normal fuel system operation conditions?	<input type="checkbox"/> Yes <input type="checkbox"/> No			

A "No" answer to any of the above questions indicates the MLLD failed the test.

**ELLD (ALL PRESSURE MEASUREMENTS ARE MADE IN PSIG)**

STP Full Operating Pressure				
How many test cycles are observed before alarm/shutdown occurs?				
Does the simulated leak cause an alarm? (If "No" then leak detector fails)	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Does the simulated leak cause an STP shutdown?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
ELLD alarm reports attached? (If "No" then leak detector fails)	<input type="checkbox"/> Yes <input type="checkbox"/> No			

<b>Test Results</b>	<input type="checkbox"/> Pass <input type="checkbox"/> Fail			
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		Tank #:										
		Tank Size:										
		Product:										
		N/A	Yes	No								
Ground-water / Vapor Monitoring	Handheld monitoring equipment operable and serviceable?	<input type="checkbox"/>										
	Electronic monitoring equipment operable and calibrated?	<input type="checkbox"/>										
	Equipment alarm and battery backup functional?	<input type="checkbox"/>										
	Monitoring equipment configuration checked and within specifications?	<input type="checkbox"/>										
	Probes and sensors have no residual buildup?	<input type="checkbox"/>										
	Floats move freely, the shaft is not damaged, and cables are free of kinks/breaks?	<input type="checkbox"/>										
	Alarm tested and operable?	<input type="checkbox"/>										

Any "No" answer indicates the Ground-water or Vapor monitoring equipment fails the test.

<b>Test Results</b>	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
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<b>Tank Gauge Stick (Statistical Inventory Reconciliation and Manual Tank Gauging)</b>	<input type="checkbox"/> N/A <b>Note:</b> If the facility is using the ATG to obtain data for SIR then the ATG operability check must be completed.
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Tank gauge stick can be clearly read, is not warped or broken?	<input type="checkbox"/> Yes <input type="checkbox"/> No
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Tank gauge stick has plastic button on bottom of stick?	<input type="checkbox"/> Yes <input type="checkbox"/> No
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<b>Vacuum/Pressure Monitoring Equipment</b>	<input type="checkbox"/> N/A
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Vacuum/Pressure gauge is functional and calibration has been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No
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Any "No" answer indicates the Hand-held LD or Vacuum/Pressure monitoring equipment fails the test.

<b>Test Results</b>	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
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Comments and explanation of failing results and other problems noted during inspection: