



MECHANICAL LINE LEAK DETECTOR PERFORMANCE TESTING

NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY
 DIVISION OF WASTE MANAGEMENT – UST PROGRAM
 SFN 62229 (09/2022)

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This data sheet can be used to record tests for mechanical line leak detectors (MLLD) with submersible turbine pump (STP) systems. See PEI/RP1200-17, Section 9.1 for inspection procedures.

FACILITY INFORMATION

Clear Form

Facility Name		Telephone Number		
Address	City	State	ZIP Code	

TESTER INFORMATION

Name of Tester:		Name of Company:		
Address	City	State	ZIP Code	
Telephone Number	Email Address:			

MLLD (ALL PRESSURE MEASUREMENTS ARE MADE IN PSIG)

Date of Test:					
Line ID					
Product Stored					
Leak Detector Manufacturer					
Leak Detector Model					
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)					
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	<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
Does the leak detector reset (trip) when the line pressure is bled off to zero psig?	<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
Does the STP properly cycle on/off under normal fuel system operating conditions?	<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
Pass/Fail Criteria: A "No" to any item indicates a test failure.					
Test Results	<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
Comments:					