

## 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**

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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?	□Yes	No	□Yes	□ No	□Yes	No	□Yes	No	□Yes	No
Does the leak detector reset (trip) when the line pressure is bled off to zero psig?	□Yes	No	□Yes	No	□Yes	No	□Yes	No	□Yes	□ No
Does the STP properly cycle on/off under normal fuel system operating conditions?	□Yes	□No	□Yes	No	□Yes	No	□Yes	No	□Yes	□ No
Pass/Fail Criteria: A "No" to any item indicates a test failure.										
Test Results	Pass	🗆 Fail	Pass	🗆 Fail	Pass	Fail	Pass	🗌 Fail	Pass	🗆 Fail
Comments:										