



ANNUAL LINE LEAK DETECTOR TEST FORM FOR AST and UST SYSTEMS

N. H. Code of Administrative Rules Env-Or 400 (UST Rules), 406.16, and Env-Wm 1402 or Env-Or 300 (AST Rules)

The New Hampshire Department of Environmental Services has developed this form to help you document the required annual testing of the line leak detector (LLD) at this storage tank facility. Please consult with the LLD manufacturer for specific guidelines on testing.

Facility Name: Smoke + Barley DES Facility # / Site #: 0111376 / 199104001

Facility Address: 1921 Dover Road City: Epsom Zip: 03234

1. Where required by rules, all pressurized piping shall be equipped with an automatic line leak detector, which shall restrict or stop the flow of the stored substance upon detecting a leak at a rate of 3 gallons per hour at a pressure of 10 pounds per square inch line pressure. Automatic line leak detectors shall be tested annually to confirm that they are operating according to manufacturer's requirements. **The test results shall be submitted by the owner to the division no later than 30 days after the date of the test.**

2. Line leak detector is required to be tested in-place. Do not remove and test outside the system.

Test Information and Results

UST ☒ AST ☐

Test Date: 10/3/22

Tank Number: (for split tanks use 1(a), (b))	Tank # 8	Tank # 9	Tank #	Tank #	Tank #
Test Location:	Dispenser 1/2	Dispenser 3/4			
Product Stored: (gas, diesel, etc.)	Gas- RUL	Gas- SUP			
Capacity: (gallons)	12,000	6,000			
LLD Manufacturer:	FE Petro	FE Petro			
LLD Model Number:	STP MLD+G	STP MLD+G			
Tested Leak Rate: (gallons per hour)	3.0	3.0			
Results:	Pass	Pass			

Complete following only if any of the above LLDs have failed and replaced with NEW LLDs.

REPLACED LLD Manufacturer:					
LLD Model Number:					
Tested Leak Rate: (3 gallons per hour max.)					
Results:					

*Comments:

An automatic line leak detector failure shall be indicated by a leak rate of greater than 3 gallons per hour at a pressure of 10 pounds per square inch line pressure within one hour. The failed line leak detector shall be repaired or replaced immediately. The affected piping system(s) shall be taken out of service until satisfactory repairs are made or the line leak detector is replaced.

Verification – I hereby verify that the automatic line leak detectors were tested to confirm that they are operating according to manufacturers' requirements.

Technician Name (print): Kiawa Krzcuik Testing Company Name: Roy Petroleum, LLC

Testing Co. Address / State / Zip PO Box 738, Goffstown, NH 03045

Signature:  Phone No: 413-627-2577 Date of Test: 10/3/22

Stage I/II Pressure Decay, P/V Vent Cap & Dynamic Backpressure/Liquid Blockage Test Documentation

**Roy Petroleum, LLC
P.O. Box 738
Goffstown, NH 03045
(603) 660-2739**

Facility

Customer

Smoke + Barley
NH Facility #0111376
1910 Dover Road
Epsom, NH 03234
603-255-4325

Vipulkumar Patel
1921 Dover Road
Epsom, NH 03234
603-630-6005

Stage I System Type:

Two-Point

Stage II System Type:

N/A

Tank Information

TANK	Tank 1	Tank 2	Tank 3	Tank 4	Total
Product Grade	T #8 (RUL)	T #9 (SUP)			
Actual Tank Capacity (gallons)	12,032	6,009			
Gasoline Volume (gallons)	9,794	3,959			
Ullage (gallons)	2,238	2,050			4,288

Pressure Decay Test

P/V Vent Cap Test

Initial Pressure (inches water)	10.00		Pressure ("wc)	Vacuum ("wc)
Pressure After 1 Minute (inches water)	9.95	Cap #1	*See P/V Vent Cap Test Page	
Pressure After 2 Minutes (inches water)	9.90	Cap #2		
Pressure After 3 Minutes (inches water)	9.85	Cap #3		
Pressure After 4 Minutes (inches water)	9.80	Cap #4		
Pressure After 5 Minutes (inches water)	9.80	Cap #5		
Allowable Remaining Press (inches water)	9.20	Cap #6		

Vapor Tie Test (P/F): **P**

Dynamic Back Pressure/Liquid Blockage Test

PUMP/NOZ. NUMBER	GASOLINE GRADE	NOZZLE MFG. & MODEL NUMBER	FLOWMETER (CFH)					WET TEST 60
			20	40	60	80	100	

Summary Of Test Results

Test	Pass/Fail	Comments
Pressure Decay Test	PASS	NH 3-Year Vapor/Pressure Decay & P/V Vent Cap testing passed on the gasoline tanks. Testing following new installation.
Vapor Tie-in Test	PASS	
Pressure/Vacuum Vent Cap Test	PASS	
Dynamic Back Press/Liquid Blockage/Healy Line Tight.	N/A	

Signature of Technician



Test Technician

Kiawa Krzcuik

Date of Test

10/3/22

Stage I Pressure/Vacuum (P/V) Vent Valve Test Documentation (TP 201.1E)

Roy Petroleum, LLC
P.O. Box 738
Goffstown, NH 03045
(603) 660-2739

Test Date: 10/3/22

Facility: Smoke + Barley
NH Facility #0111376
1910 Dover Road
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Customer: Vipulkumar Patel
1921 Dover Road
Epsom, NH 03234
603-630-6005

Test Purpose:

Federal:

State:

Both: ☒

1	Product:	RUL/SUP	Make:	OPW	Model:	623V	Individual Result:	PASS
	Manufacturers Specified Positive Leak Rate (CFH)		0.050		Manufacturers Specified Negative Leak Rate (CFH)		-0.210	
	Measured Positive Leak Rate (CFH):		0.009		Measured Negative Leak Rate (CFH):		-0.016	
	Positive Cracking Press. (in. H2O, allowable 2.5 - 6.0)		3.10		Negative Cracking Press (in. H2O, allowable 6.0 - 10.0)		-7.03	

2	Product:		Make:		Model:		Individual Result:	
	Manufacturers Specified Positive Leak Rate (CFH)				Manufacturers Specified Negative Leak Rate (CFH)			
	Measured Positive Leak Rate (CFH):				Measured Negative Leak Rate (CFH):			
	Positive Cracking Press. (in. H2O, allowable 2.5 - 6.0)				Negative Cracking Press (in. H2O, allowable 6.0 - 10.0)			

3	Product:		Make:		Model:		Individual Result:	
	Manufacturers Specified Positive Leak Rate (CFH)				Manufacturers Specified Negative Leak Rate (CFH)			
	Measured Positive Leak Rate (CFH):				Measured Negative Leak Rate (CFH):			
	Positive Cracking Press. (in. H2O, allowable 2.5 - 6.0)				Negative Cracking Press (in. H2O, allowable 6.0 - 10.0)			

4	Product:		Make:		Model:		Individual Result:	
	Manufacturers Specified Positive Leak Rate (CFH)				Manufacturers Specified Negative Leak Rate (CFH)			
	Measured Positive Leak Rate (CFH):				Measured Negative Leak Rate (CFH):			
	Positive Cracking Press. (in. H2O, allowable 2.5 - 6.0)				Negative Cracking Press (in. H2O, allowable 6.0 - 10.0)			

Comments:

Stage I P/V Vent Cap testing passed.

Technician Name: Kiawa Krzcuik

Signature:

