How the UST testing requirements of PEI RP1200 are (1) properly performed and (2) how to interpret the final test data to determine if the testing has been performed thoroughly and to the standards set forth in PEI RP1200."



National Tanks Conference Tuesday September 13th, 2022

Edward S. Kubinsky Jr.

Director of Regulatory Affairs, Training and Certification

CROMPCO, LLC / OWL

O: (610) 276-5914 C: (610) 633-9732

ed.kubinsky@crompco.com

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Request for Comments

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Instructions for Online Submissions

 Any individual or organization may submit a proposed change. To make sure comments are accurately presented to the committee responsible for revisions, please submit a form for each section to be changed. If changes are not made in this format, suggested changes might not be correctly presented and therefore left to committee interpretation.

Next committee review will be in 2024

To download all PEI RP 1200 Test Forms (free):

https://www.pei.org/rp1200

Single-copy price is \$75 for PEI members and \$295 for nonmembers.

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- C-4 Containment Sump Integrity Testing Hydrostatic Testing Method
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Chapter 4: Secondary Containment Integrity Testing (Dry Tank Interstitials)

- Check interstice for liquid
- Pull 10" Hg vacuum (Steel or FRP tanks)
- Wait appropriate time based on tank volume
- Pass = no vacuum loss and no additional liquid pulled in to interstitial space



FIGURE 4-4. The plumber's plug provides a leak-tight connection to draw a vacuum on the tank interstitial space.

Chapter 4: Secondary Containment Integrity Testing (Dry Tank Interstitials)

Tanks under 20,000 capacity = 1-hour test

Tanks 20,000 or greater = 2-hour test

No vacuum loss allowed, no additional liquid drawn into the interstice during the test (if liquid was present at the start)

		AP	PENDIX C-1		_	
	TANK S	ECONDARY CO	NTAINMENT IN	TEGRITY TESTIN	IG	
Facility Name:			Owner:			
Address:		-	Address:			
City, State, Zip Code:		-	City, State, Zip C	ode:		
Facility LD. #:			Phone #:			
Testing Company.			Phone #:	8	Dete:	
This data sheet is for test Section 4.2 for the test p	ing the integrity or rocedure.	the dry seconds	ry containment of	a underground sto	rage tank (UST). Se	e PE/RP1200
Tank Number				1		
Tank Material			1			
Product Stored						1
Tank Capacity,* gellons			8	12 16	-	
Test Start Time						
Initial Vacuum Reading, Inches Hg (See Table 4-1 below.)						
Specified Test Duration (See Table 4-1 below.)	1 hour 2 hours	2 hours	1 hour 2 hours	1 hour 2 hours	1 hour 2 hours	1 hour 2 hours
Test End Time						
Final Vacuum Reading Inches Hg						
is the Annular Spece Dry After the Test?	Ves No	Yes No	Yes No	□¥es □No	Yes No	Ves No
Test Results	Pess DFell	Pass D Fail	Pass D Fail	Pass D Fail		
	TADIC	41				
	Va	ouum, hes Hg	Capacity, gallons	Duration, hours		
	14	10-CA	<20,000	1		
		10	20,000+	2		
*Total tank capacity, inclu	ding all comparts	venta in a multi-c	ompertment tank			

TABLE 4-1							
Vacuum, inches Hg	Capacity, gallons	Duration, hours					
	<20,000	1					
10	20,000+	2					

Chapter 4: Secondary Containment Integrity Testing (Wet Tank Interstitials)

		APPENDIX A-1			
SONTAINN	ENT HYDRO	STATIC STAND P	IPE TANK	TEST CH	
ah Namar					
ddress:	New Action of the second s	City:	13 R 5 1122	State:	8 8535555
na sheker ta s	/ Record da	ite / time when tank was last hi dav's date / time	led (wait 24 hours	from last delive	ery)
Time	Testing Proced	ures	Groundwater	Tank #1	Tank #2
Record tar	k U.L. number (if known)		Lever	8	
Product st	ored				2000000 10 00 00 00
Tank nomi	inal capacity (gallons)*				2319231 1223 1292
Preparatio	on:				
1. Measu	re and record groundwater table	e level.			
2. Fill resi in the rise	ervoir riser pipe approximately 1 er pipe must be at least 12" high	2° over reservoir top. The level er than the groundwater table.			
3. Diame	ter of reservoir riser pipe.				2392211221220
4. Inspec	t all exposed monitoring fitting	plugs for leaks.		1000000000	101212250120
Begin test					
5. Record	time (wait 3 hours after step #2).			
6. Measu	re and record liquid level in rese	rvoir riser pipe.			
7A. Meas	sure and record groundwater tab	le level.			
7B. Record	rd dispenser meter readings.				
8. Record	time (after steps #6 and #7, wai	t 4 hrs for 4',6',8' tanks or 6 hrs f	or 10' dia. tanks).		
9. Measu	re and record liquid level in rese	rvoir riser pipe.			
10A. Mea	asure and record groundwater ta	ble level.			
10B. Reco	ord dispenser meter reading.				
Endtest					
Calculate	cnanges:				
11A. Hese	ervoir riser pipe ievei (step#o mi	nus step #9).		7511 M (6 5 6 7 4	2003 - 00 - 00 - 0
116. Grou	undwater ievei (step #7 minus st	ep#IUA).			
TTC. Disp	ensea product (step #7 minus s	tep #108).			
esults Interpretation - T ightness test of .05 gallo (A)	he calculated changes (lines 11) ns per hour with a 95% probabil (B)	A, 11B, and 11C) must meet all ity of detection and a 5% proba (C)	of the criteria in co ability of false alarn	lumn "B" below n:	to pass the
Criteria	Tank passes test if	Tank test is inconclusive if.	<u>1401 - 18</u>		
Line #11A	Less than 1"	More than 1"***			
Line #11B	and less than 10"	or more than 10"**			
Line #11C	and less than 600 gallons	or more than 600 gallons **			
You can use a tape measure evels in site wells and the re	and water/brine finding paste to de eservoir.	termine accurate liquid		7	1
* Max tank diameter 10, M	fax capacity 30,000 gallons			Date	
** Repeat test steps 6-11	discontinue dispension theo repe	at test steps 6-11			
Note: A 99.9% PD and 1.2%	PFA tightness test without dispensi	ng is available by		Technician's	Name
contacting CSI Field S	ervice			. commendita	1000

	APPENDIX A-2
ZCL° XERXI making a lasting difference®	S° TRUCHE
Fill out the site location, tank information and to diameter of the tank being tested. Follow the te for every tank. For additional copies of the form facility nearest you. (See back cover for informal SITE LOCAT	t boxes below. Be sure to choose the correct test box according to the t procedures on the other side of this form. A separate test form is needer contact the Customer Service Representative at the Xerxes manufacturing on.) ION AND TANK INFORMATION
Site Location:	Tank Information:
Address:	Nominal Gallons:
	Diameter:
Phone:	Approximate Standpipe Length:
Contact Name:	Product Type:
Test Date:	Person Performing Test:
4-FOOT-, 6-FOOT- AND	8-FOOT-DIAMETER DOUBLE-WALL TANKS
95% - 5% TEST 1a. Start level (inches in standpipe) 2a. End level after 4 hours - 3. Difference (subtract 2a from 1a) = 4. Calibration factor x 5. Volume change = 6. Test hours ÷ 7. Gallons-per-hour loss = (If 0.05 gallons/hour or less, tank passed.) Note: maximum allowable dispensing volume d 8-foot-diameter tank – 1,200 gallons maximum 6-foot-diameter tank – 500 gallons maximum 4-foot-diameter tank – 300 gallons maximum	99% - 1% TEST 1b. Start level (inches in standpipe) 2b. End level after 10 hours 3. Difference (subtract 2b from 1b) 20 4. Calibration factor 5. Volume change 4. Calibration factor 7. Gallons-per-hour loss (If 0.05 gallons/hour or less, tank passed.) Note: No product dispensing allowed.
10-FOOT-DI	METER DOUBLE-WALL TANKS
95% - 5% TEST	99% - 1% TEST
2a. End level after 6 hours	2b. End level after 10 hours
3. Difference (subtract 2a from 1a) =	3. Difference (subtract 2b from 1b) =
4. Calibration factor x	.30 4. Calibration factor x .30
5. Volume change =	5. Volume change =
6. Test hours ÷	6 6. Test hours ÷ 10
7. Gallons-per-hour loss =	7. Gallons-per-hour loss =
(If 0.05 gallons/hour or less, tank passed.)	(If 0.05 gallons/hour or less, tank passed.)

Chapter 4: Secondary Containment Integrity Testing (Wet Tank Interstitials)

Follow tank manufacturer's written procedures:

Containment Solutions:

- Fill reservoir 12" over reservoir top and 12" above groundwater level and wait 3 hours
- Measure level in reservoir and water table and record dispenser meter readings
- Wait another 4 hours for 4', 6' and 8' diameter tanks or 6 hours for 10' diameter tanks
- Measure level in reservoir and water table and record dispenser meter readings
- Calculate changes to determine if test is a "pass"
 - Reservoir change is less than 1"
 - Groundwater change is less than 10"
 - Dispensed product is less than 600 gallons (best to shut down tank for the test to be sure product dispensed is less than 600)

Chapter 4: Secondary Containment Integrity Testing (Wet Tank Interstitials)

Follow tank manufacturer's written procedures:

ZCL/Xerxes:

- Determine if you are performing a 95% 5% test or a 99% 1% test and tank diameter to determine test parameters (from owner or regulatory agency)
 - 95/5 test on 4', 6' and 8' tanks is 4 hours with dispensing limits for each (suggest tank shutdown)
 - 99/1 test on 4', 6' and 8' diameter tanks is 10 hours with no dispensing allowed
 - 95/5 test on 10' diameter tanks is 6 hours with 750 gallon dispensing limit (suggest tank shutdown)
 - 99/1 test on 10' diameter tanks is 10 hours with no dispensing allowed
- Fill reservoir 6" 12" above reservoir into the riser
- Wait appropriate time
- Perform gallon-per-hour calculation on form. If calculation is 0.05 or less, the tank has passed the test.

Chapter 5: Secondary Containment Integrity Testing (Piping Interstitials)

- Install test boots/test equipment (ensure testing all sections of piping)
- Pressurize interstitial to 5 psig
- Pass = no pressure loss over test period of 1 hour
- Be sure interstitial is open to allow for proper interstitial monitoring after the test



FIGURE 5-1. Boots on piping transitions and through sump walls must be leak-tight when piping secondary containment integrity testing is performed.

Chapter 5: Secondary Containment Integrity Testing (Piping Interstitials)

		APP	ENDIX C-2			
	PIPING	SECONDARY CO	NTAINMENT INT	EGRITY TESTIN	G	
Facility Name:			Owner			
Address			Address:			
City, State, Zip Code:			City, State, Zip C	ode:		
Facility I.D. #			Phone #			
Testing Company			Phone #		Date:	
This procedure is to test th	te integrity of the	interstitial space o	of double-walled pi	ping See PEI/RP1	200 Section 5 for	the test
Tank Number						
Piping Run						8
Piping Material						
Product Stored		1				ii.
Test Start Time		2		2 3		2
Initial Test Pressure, paig (Test procedure specifies 5 psig.)		2				2
Test End Time						
Final Test Pressure, psig		2				
Pressure Change (No reduction in pressure allowed for pass.)						2. 72
Test Results	D Pass D Fai	Pass DFail	Pess D Feil	Pess D Fall	Pess DFail	Pass D Fal

Chapter 6: Spill Bucket and Containment Sump Testing (Spill Bucket Hydrostatic)

- Visually inspect spill bucket, drain valve (if present, cap & adapter)
- Fill spill bucket with water to within 1.5" of the top of the bucket, wait 5 minutes and measure
- Wait 1 hour
- Measure water level again
- Pass = visual inspection is good and water level loss is less than 1/8"



Chapter 6: Spill Bucket and Containment Sump Testing (Spill Bucket Vacuum Primary)

- Visually inspect spill bucket, drain valve (if present, cap & adapter)
- Attach to top of bucket and pull 30" water column vacuum
- Wait 1 minute
- Observe vacuum level
- Pass = visual inspection is good and vacuum level is 26" water column or greater



Chapter 6: Spill Bucket and Containment Sump Testing (Spill Bucket Vacuum Interstitial)

- Visually inspect spill bucket, drain valve (if present, cap & adapter)
- Attach to interstitial space and pull 15" water column vacuum
- Wait 1 minute
- Observe vacuum level
- Pass = visual inspection is good and vacuum level is 12" water column or greater



Chapter 6: Spill Bucket and Containment Sump Testing

		ļ	APPENDIX C-:	3							
	SPILL BU SIN	JCKET INTEGRIT GLE- AND DOUB	Y TESTING HYDE	ROSTATIC TEST I	METHOD HOD						
Facility Name:			Owner:	Owner:							
Address:			Address:								
City, State, Zip Cod	.e:		City, State, Zip Co	ide:							
Facility I.D. #:			Phone #:		2						
Testing Company:			Phone #:		Date:						
This procedure is to method, Section 6.	o test the leak integ 3 for single-walled	rity of single- and d vacuum test metho	louble-walled spill b d and Section 6.4 f	uckets. See PEI/RF	1200 Section 6.2 acuum test method	for hydrostatic test					
Tank Number			l l								
Product Stored		5									
Spill Bucket Capacity		7									
Manufacturer	[
Construction	Single-walled	Single-walled	Single-walled	Single-walled	Single-walled	Single-walled Double-walled					
Test Type	Hydrostatic Vacuum Single-walled Double-walled	Hydrostatic Vacuum Single-walled Double-walled	Hydrostatic Vacuum Single-walled Double-walled	Hydrostatic Vacuum Single-walled Double-walled	Hydrostatic Vacuum Single-walled Double-walled	Hydrostatic Vacuum Single-walled Double-walled					
Spill Bucket Type	Product Vapor	Product Vapor	Product Vapor	Product Vapor	Product Vapor	Product Vapor					
Liquid and debris removed from spill bucket?*	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□ Yes □ No	□Yes □No					
Visual Inspection (No cracks, loose parts or separa- tion of the bucket from the fill pipe.)	Pass Fail	Pass Fail	Pass Fail	🗌 Pass 🗌 Fail	🗌 Pass 🗌 Fail	🗌 Pass 🗌 Fail					
Tank riser cap included in test?	□Yes □No □NA	Yes No	Yes No	□Yes □No □NA	Ves No	Ves No					
Drain valve included in test?	□ Yes □ No □ NA	Yes No	Yes No	Yes No	Ves No	□Yes □No □NA					
Starting Level											
Test Start Time	[
Ending Level											
Test End Time	· · · · · · · · · · · · · · · · · · ·										
Test Period											
Level Change		20									
Pass/fail criteria: N Maintain at least 2	/ Aust pass visual ins 26 inches water colu	pection. Hydrostatio umn: Vacuum doub	: Water level drop (le-walled: maintain	of less than 1/8 inc at least 12 inches	L ch; Vacuum single-v water column.	valled only:					
Test Results	Pass D Fail	Pass D Fail	Pass D Fail	Pass D Fail	Pass E Fail	Pass Fail					
Comments:											



NOTE: Consult AHJ about testing double-wall buckets and what is allowed for testing. Some require the interstitial tested, some will accept a test of the primary or interstitial of the spill bucket.

Tester's Name (print)

Chapter 6: Spill Bucket and Containment Sump Testing (High-Level Hydrostatic)

- Visually inspect the <u>entire</u> containment sump
- Add water to 4" above the highest penetration or sidewall seam or within 1" of the top of the sump
- Wait 15 minutes (deflection)
- Measure water level and begin test
- Wait 1 hour
- Pass = visual inspection is good and water level loss is less than 1/8"





Chapter 6: Spill Bucket and Containment Sump Testing (High-Level Hydrostatic)

				APP	ENDIX	C-4						
		C	ONTAINI HYDI	MENT S ROSTAT	UMP IN	TEGRIT	Y TESTII THOD	NG				
Facility Name:					Owner:							
Address:					Address	:						
City, State, Zip Code:					City, Sta	te, Zip C	ode:					
Facility I.D. #:					Phone #	:						
Testing Company:					Phone #				Date:			
This procedure is to test	the leak ir	ntegrity o	f containr	ment sun	nps. See F	PEI/RP12	200 Section	on 6.5 fc	or the test	method.	2	
Containment Sump ID												
Containment Sump Material	8	8					2					
Liquid and debris removed from sump?*	□ Yes	🗆 No	□ Yes	□ No	□ Yes	□ No	□ Yes	□ No	□ Yes	□ No	🗆 Yes	🗆 No
Visual Inspection (No cracks, loose parts or separation of the containment sump.)	□ Pass	□ Fail	Pass	🗆 Fail	□ Pass	🗆 Fail	🗆 Pass	🗆 Fail	🗆 Pass	🗆 Fail	Pass	🗆 Fail
Containment Sump Depth	8.	8			2		2					
Height From Bottom to Top of Highest Penetration												
Starting Water Level												
Test Start Time					8		5.c,					
Ending Water Level												
Test End Time	3	2			22		2			8		
Test Period (Minimum test time: 1 hour)												
Water Level Change					3							
Pass/fail criteria: Must p	ass visual	inspecti	on. Water	level dro	op of less	than 1/8	3 inch.				1)	
T	T Pass	□ Fail	D Pass	□ Fail	D Pass	□ Fail	Pass	□ Fail	Pass	Fail	Pass	□ Fail

Visual Inspection (No cracks, loose parts or separation of the containment sump.) Containment Sump Depth Height From Bottom to Top of Highest Penetration

Ensure piping interstitials are isolated!

*All liquids and debris must be disposed of properly.

Chapter 6: Spill Bucket and Containment Sump Testing (Low-Level Hydrostatic)

- Visually inspect entire containment sump
- Test functionality of sensor or UDC mechanical float device
 - Sensor connected to ATG = must shut down STP(s) associated w/ sump
 - Sensor is "stand-alone" = must shut down dispenser or STP
- Add water to 4" above the sensor activation level



Chapter 6: Spill Bucket and Containment Sump Testing (Low-Level Hydrostatic)

- Wait 15 minutes (deflection)
- Measure water level and begin test
- Wait 1 hour
- Pass = visual inspection is good, sensor or mechanical float device function properly and provide appropriate shut down and water level loss is less than 1/8"



Chapter 6: Spill Bucket and Containment Sump Testing (Low-Level Hydrostatic)

	APPE	NDIX C-4-A	l/		
	CONTAINME LOW LIQUID	ENT SUMP TEST LEVEL TEST ME	TING ETHOD		
		Owner:			
		Address:			
		City, State, Zip C	ode:		
		Phone #:			
		Phone #:		Date:	
ontainment sump	s using the low liq	uid level method.	See PEI/RP1200 S	Section 6.6 for the	test method.
🗌 Pass 🔲 Fail	Pass DFail	🗌 Pass 🗌 Fail	🗌 Pass 🗌 Fail	Pass DFail	🗌 Pass 🗌 Fail
□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
□ Yes □ No	□Yes □No	□ Yes □ No	□ Yes □ No	□Yes □No	□Yes □No
1			5. C		
Pass Fail	Pass Fail	Pass Fail	Pass Fail	Pass Fail	Pass Fail
	ontainment sumps	APPE CONTAINME LOW LIQUID I CONTAINME LOW LIQUID I CONTAINMENT SUMPS USING the low liqu CONTAINMENT SUMPS USING the low liqu CONTAINMENT SUMPS USING THE INFORMATION OF Pass Fail Pass Fail CONTAINMENT SUMPS USING CONTAINMENT SUMPS USING CONTAINMENT SUMPS USING THE INFORMATION CONTAINMEN	APPENDIX C-4-A CONTAINMENT SUMP TEST LOW LIQUID LEVEL TEST ME Owner: Address: City, State, Zip C Phone #: Phone #: ontainment sumps using the low liquid level method. S Pass Fail Pass Fail Pass Fail Ves No Yes No Yes No Yes No Ves No Yes Yes No Yes No Yes No Yes No Yes Yes No Yes Yes No Yes Yes No Yes Yes	APPENDIX C-4-A CONTAINMENT SUMP TESTING LOW LIQUID LEVEL TEST METHOD Owner: Address: City, State, Zip Code: Phone #: Phone #: Phone #: ontainment sumps using the low liquid level method. See PEI/RP1200 S Pass Fail Pass Fail Yes No Yes Y	APPENDIX C-4-A CONTAINMENT SUMP TESTING LOW LIQUID LEVEL TEST METHOD Owner: Address: City, State, Zip Code: Phone #: Phone #: Date: ontainment sumps using the low liquid level method. See PEI/RP1200 Section 6.6 for the Pass Fail Pess No Yes No Yes No Yes No Pass Fail Pass No Yes No

*All liquids and debris must be disposed of properly.

Tester's Signature

Visual Inspection (No cracks, loose parts or separation of the containment sump.) Liquid and debris were removed from sump? * When tested, electronic sensor connected to EMS, stand-alone sensor or mechanical float device shuts down appropriate STP, dispenser or product as required?

Ensure piping interstitials are isolated if water level reaches the piping!

Chapter 7: UST Overfill Equipment Verification, Inspection and Testing (Automatic Shutoff Devices)

- Remove from tank
- Visually inspect
- Manually move
- If it has a bypass valve, make sure it's open and free of blockage
- Measure to make sure shutoff occurs at no higher than 95% tank capacity
- Pass = ASO functions as designed and shuts off flow into the tank at no higher than 95% tank capacity



FIGURE 7-1. Check the drop tube and flapper for damage. Make sure that the flapper moves freely and will move into the product flow path.

Chapter 7: UST Overfill Equipment Verification, Inspection and Testing (Ball Float)

- Remove from tank
- Visually inspect
- Check ball & vent orifice
- Measure to make sure restriction occurs at no higher than 90% tank capacity
- Pass = ball float functions as designed and restricts flow at no more than 90% tank capacity



Chapter 7: UST Overfill Equipment Verification, Inspection and Testing (Ball Float)

 Note: The PEI committee recognizes that there are alternative methods in the federal regulations for overfill (restrict 30 minutes before overfilling, alerting the operator 1 minute before overfilling or shutting off flow before wetting the top of the tank) however, from a practical standpoint, these were not included in the document and only restricting delivery at 90% was used for ball floats as a conservative approach.

Chapter 7: UST Overfill Equipment Verification, Inspection and Testing (Automatic Shut Off & Ball Float)

		APPEN	DIX C-5			
	UST O	VERFILL EQUIP HUTOFF DEVIC	MENT INSPEC	TION FLOAT VALVE		
Facility Name:			Owner:			
Address:			Address:			
City, State, Zip Code:			City, State, Zip	Code:		
Facility I.D. #:			Phone #:			
Testing Company:			Phone #:		Date:	
This data sheet is for inspecting au	tomatic shutoff d	evices and ball fic	oat valves. See PE	I/RP1200 Sectio	n 7 for inspection	procedures.
Product Grade						
Tank Number						
Tank Volume, gallons	-					
Tank Diameter, inches						
Overfill Prevention Device Brand						
Туре	Automatic Shutoff Device Ball Float Valve	Automatic Shutoff Device Ball Float Valve	Automatic Shutoff Device Ball Float Valve	Automatic Shutoff Device Ball Float Valve	Automatic Shutoff Device Ball Float Valve	Automatic Shutoff Device Ball Float Valve
AUTOMATIC SHUTOFF DEVICE II	NSPECTION					
1. Drop tube removed from tank?	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
2. Drop tube and float mecha- nisms free of debris?	□Yes □No	□ Yes □ No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
3. Float moves freely without binding and poppet moves into flow path?	□Yes □No	□ Yes □ No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
4. Bypass valve in the drop tube open and free of blockage (if present)?	□Yes □No □Not Present	□ Yes □ No □ Not Present	□Yes □No □Not Present	□Yes □No □Not Present	□ Yes □ No □ Not Present	□Yes □No □Not Present
5.Flapper adjusted to shut off flow at 95% capacity?*	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	Yes No
A "No" to any item in Lines 1-5 ind	licates a test failu	ire.				
BALL FLOAT VALVE INSPECTION	**					
1. Tank top fittings vapor- tight and leak-free?	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
2.Ball float cage free of debris?		□Yes □No	Yes No	□Yes □No	□Yes □No	□Yes □No
3. Ball free of holes and cracks and moves freely in cage?	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
4. Vent hole in pipe open and near top of tank?	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	Yes No
5. Ball float pipe proper length to restrict flow at 90% capacity?***	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
A "No" to any item in Lines 1-5 ind	icates a test failu	ire.	50		30	
Test Results	Pass D Fail	Pass D Fail	Pass E Fail	Pass E Fail	Pass E Fail	Pass Fail
Comments:						

* Use manufacturer's suggested procedure for determining if automatic shutoff device will shut off flow at 95% capacity ** If a ball float is found to fail the inspection, another method of overfill must be used.

*** Use manufacturer's suggested procedure for determining if flow restriction device will restrict flow at 90% capacity.

BALL FLOAT VALVE INSPECTION**

1. Tank top fittings vapor- tight and leak-free?

> Visually inspect all tanktop fittings to determine if they are vapor-tight.

Yes

No

Chapter 7: UST Overfill Equipment Verification, Inspection and Testing (High-Level Alarm)

- Measure and compare fuel level in tank with ATG reading
- Verify programming is set to alarm at no more than 90% tank capacity
- Verify the circuit is operational and activate the alarm





Chapter 7: UST Overfill Equipment Verification, Inspection and Testing (High-Level Alarm)

- Remove probe from tank, visually inspect and reconnect
- Set fuel float in middle of probe and measure
- Slide float up until alarm is triggered
- Measure to make sure alarm occurs at no higher than 90% tank capacity
- Pass = alarm activates at no more than 90% tank capacity





Chapter 7: UST Overfill equipment Verification, Inspection and Testing (High-Level Alarm)

	APPENDIA	C-0		
	OVERFILL ALA	RM		
Facility Name:		Owner:		
Address:		Address:		
City, State, Zip Code:		City, State, Zip Coo	ie:	
Facility I.D. #:		Phone #:		
Testing Company:		Phone #:	Date:	
This procedure is to determine whether the high level See PEI/RP1200 Section 7.3 for the inspection proces bottom of the tank when in place.	alarm is operation dure. This procedur	al and will trigger wh re is applicable to tar	en the tank is no mo nk level monitor stem	re than 90% full. s that touch the
Tank Number				
Product Stored		2		
Tank Level Monitor Brand and Model				
1. Tank Volume, gallons		2		
2. Tank Diameter, inches		20		
3. Overfill alarm activates in the test mode at the console?	□Yes □No	□Yes □No	□Yes □No	□Yes □No
4. When activated, overfill alarm can be heard or seen while delivering to the tank?	□Yes □No	□ Yes □ No	□Yes □No	□ Yes □ No
 After removing the probe from the tank, it has been inspected and any damaged or missing parts replaced? 	□Yes □No	□Yes □No	□Yes □No	□Yes □No
6. Float moves freely on the stem without binding?	Yes No	□Yes □No	□Yes □No	□ Yes □ No
Moving product level float up the stem trigger alarm?	□Yes □No	Yes No	□Yes □No	□ Yes □ No
 Inch level from bottom of stem when 90% alarm is triggered. 				
9. Tank volume at inch level in Line 8.				3
10. Calculate (Line 9 / Line 1) x 100				
11. Is Line 10 less than 90%?	□Yes □No	□Yes □No	□Yes □No	Ves No
12. Fuel float level on the console agrees with the gauge stick reading?	□Yes □No	□Yes □No	□Yes □No	□Yes No
13. Overfill alarm activates at any product level above 90% tank capacity?	Yes No	□ Yes □ No	□Yes □No	□ Yes □ No
If any answers in Lines 3, 4, 5, 6, 7 or 11 are "No," or	Line 13 is "Yes," t	he system has failed	the test.	
	Pass D Fail	Pass D Fail	Pass Fail	Pass Fail

Tester's Name (prin

4. When activated, overfill alarm can be heard or seen while delivering to the tank? □Yes □No

Chapter 8: Electronic Monitoring System Inspection and Testing (Probe & Console)

- Probes & Console:
- When possible, print out and review the system setup on the ATG.





- Manually measure product and water levels in tanks and compare to console
- Remove & inspect probe





FIGURE 8-1. The indicator lights and the LCD display on the monitoring console show the status of the UST system.

Chapter 8: Electronic Monitoring System Inspection and Testing (Probe & Console)

Probes & Console:

- Slide product float up and check high-product alarm functionality
- Slide water float up and check water alarm functionality
- Pass = all measurements agree with programming and console acknowledges product and water alarms







FIGURE 8-1. The indicator lights and the LCD display on the monitoring console show the status of the UST system.



Chapter 8: Electronic Monitoring System Inspection and Testing

APPENDI	X C-7						
UTOMATIC TA PERATION IN:	NK GAUGE SPECTION						
	Owner:						
	Address:						
City, State, Zip Code:							
	Phone #:						
	Phone #:	Date:					
tank guage (AT) tank level moni	G) is operating proper tor stems that touch t	y. See PEI/RP1200 S he bottom of the tank	ection 8.2 for the when in place.				
	1						
□Yes □No	□Yes □No	□Yes □No	□Yes □No				
□Yes □No	□Yes □No	□Yes □No	□Yes □No				
□Yes □No	□Yes □No	□Yes □No	□ Yes □ No				
□Yes □No	□Yes □No	□Yes □No	□ Yes □ No				
	24						
□Yes □No	□Yes □No	□Yes □No	Ves No				
□Yes □No	□Yes □No	🗆 Yes 🗆 No	□Yes □No				
em has failed th	e test.						
Pass Fail	Pass Fail	Pass Fail	Pass E Fail				
	JTOMATIC TAI PERATION INS PERATION INS PERATION INS Instruction In	JTOMATIC TANK GAUGE PERATION INSPECTION Owner: Address: City, State, Zip Coc Phone #: Phone #: Phon	JTOMATIC TANK GAUGE PERATION INSPECTION Owner: Address: City, State, Zip Code: Phone #: Phone #: Phone #: Phone #: Date: tank guage (ATG) is operating property. See PEI/RP1200 S tank level monitor stems that touch the bottom of the tank tank level monitor stems that touch the bottom of the tank Ves INO Yes No Yes No				

fester's Signature

Tester's Name (print)

Chapter 8: Electronic Monitoring System Inspection and Testing (Sensors)

Sensors:

- Fill test container with appropriate liquid
- Place sensor in liquid
- Verify alarm condition and sensor labeling on tank gauge
- Pass = sensor properly triggers alarm and is correctly identified on the console









FIGURE 8-1. The indicator lights and the LCD display on the monitoring console show the status of the UST system.

Chapter 8: Electronic Monitoring System Inspection and Testing (Sensors)

Sensors:

NOTE: consult manufacturer's procedures for other types of sensors (optical, pressure/vacuum, electrical resistance, etc.). If manufacturer's procedures differ from RP 1200, use manufacturer's procedures.









FIGURE 8-1. The indicator lights and the LCD display on the monitoring console show the status of the UST system.

Chapter 8: Electronic Monitoring System Inspection and Testing

	LIQUID SENSO	R FUNC	TIONALI	TY TESTING					
			Owner:						
Address:									
City, State, Zip Code:									
			Phone #:						
Testing Company:						Date:			
iquid sensors loca	ted in the interstitia	I space of	f UST syst	ems are able to de	tect the presence o	of water and fuel. S	ee PEI/RP1200		
Discriminating	Discriminating	 Discriminating Non-discrimi- nating 		 Discriminating Non-discrimi- nating 	Discriminating Non-discrimi- nating	 Discriminating Non-discrimi- nating 	Discriminating		
Water Product	Water Product	Water Product		Water Product	Water Product	Water Product	Water Product		
□Yes □No	□Yes □No	□ Yes	□ No	□Yes □No	□Yes □No	□Yes □No	□Yes □No		
□Yes □No	Yes No	Ves	□ No	Yes No	□Yes □No	□Yes □No	Yes No		
□Yes □No	□Yes □No	□ Yes	🗆 No	□Yes □No	□Yes □No	□Yes □No	Yes No		
□Yes □No	□Yes □No	□ Yes	🗆 No	□ Yes □ No	□Yes □No	□Yes □No	Yes No		
□Yes □No	□Yes □No	□ Yes	□ No	□Yes □No	□Yes □No	□Yes □No	□Yes □No		
ails th <mark>e</mark> test.									
Pass Fail	Pass Fail	□ Pass	G Fail	🗆 Pass 🔲 Fail	🗆 Pass 🗆 Fail	Pass Fail	Pass Fail		
	iquid sensors loca	iquid sensors located in the interstitia Discriminating Non-discrimi- nating Water Product Yes No Yes No	iquid sensors located in the interstitial space of Discriminating Discriminating Discrimi- Non-discrimi- Non	Address: City, Stal Phone # Phone # Phone # Phone # Indication of UST system Discriminating Discriminating Non-discriminating Yes No Yes No Yes No Yes No Yes No Yes No Yes N	Address: City, State, Zip Code: Phone #: Phone #: iquid sensors located in the interstitial space of UST systems are able to de Discriminating Discriminating Non-discrimi- nating Non-discrimi- nating Non-discrimi- nating Non-discrimi- nating Water Water Product Product Yes No Yes No <	Address: City, State, Zip Code: Phone #: Phone #: Phone #: iquid sensors located in the interstitial space of UST systems are able to detect the presence of UST systems are able to detect are preduct are product are product. <tr< td=""><td>Address: City, State, Zip Code: Phone #: Phone #: Option #: Phone #: Date: iquid sensors located in the interstitial space of UST systems are able to detect the presence of water and fuel. S Discriminating Discriminating Discriminating Discriminating Non-discrimi- Non-discrimi- nating Non-discrimi- nating Non-discrimi- nating Water Product Product Product Product Yes No Yes No <!--</td--></td></tr<>	Address: City, State, Zip Code: Phone #: Phone #: Option #: Phone #: Date: iquid sensors located in the interstitial space of UST systems are able to detect the presence of water and fuel. S Discriminating Discriminating Discriminating Discriminating Non-discrimi- Non-discrimi- nating Non-discrimi- nating Non-discrimi- nating Water Product Product Product Product Yes No Yes No </td		

When an alarm is triggered, is the sensor properly identified on the ATG console?

Yes No

Chapter 9: Automatic Line Leak Detector Testing (Mechanical)

- Bleed line pressure to zero psig, turn on pump and observe leak detector performance with no leak on line
- With pump on, calibrate 3 GPH (a) 10 PSIG leak on the piping then turn pump off and drain all pressure



FIGURE 9-1. The MLLD mounted on the submersible turbine pump will restrict flow when a leak is detected.

Chapter 9: Automatic Line Leak Detector Testing (Mechanical)

- Turn pump on with 3 GPH (a) 10 PSIG leak induced on the piping and observe leak detector performance for a minimum of 60 seconds
- Pass = line pressure does not increase above "metering" pressure for at least 60 seconds



FIGURE 9-1. The MLLD mounted on the submersible turbine pump will restrict flow when a leak is detected.

Chapter 9: Automatic Line Leak Detector Testing (Electronic)

- With pump on, calibrate 3 GPH (a) 10
 PSIG leak on the piping
- Leave calibrated leak open to test can and hang up nozzle to allow pump to turn off



FIGURE 9-2. The ELLD mounted in the submersible turbine pump will alarm on the console when a leak is detected.

Chapter 9: Automatic Line Leak Detector Testing (Electronic)

- Observe ELLD turn on pump and pressurize piping with leak on the piping (ELLD may cycle the pump several times)
- Pass = ELLD generates a 3 GPH leak alarm on console (required) and shuts down the STP (may be required – check with AHJ)



FIGURE 9-2. The ELLD mounted in the submersible turbine pump will alarm on the console when a leak is detected.

Chapter 9: Automatic Line Leak Detector Testing

		APPENDIX	C-9					
MECH	IANICAL AND PE	ELECTRONIC RFORMANCE	LINE LEAK D TESTS	ETECTORS				
Facility Name:			Owner:					
Address: Address:								
City, State, Zip Code:		City, State, Zip	Code:					
Facility I.D. #:			Phone #:					
Testing Company:			Phone #:		Date:			
This data sheet can be used to test mech turbine pump (STP) systems. See PEI/RP	hanical line leak 1200 Sections 9	detectors (MLLD).1 and 9.2 for te) and electronic est procedures.	line leak detecto	ors (ELLD) with s	submersit		
Line Number								
Product Stored								
Leak Detector Manufacturer								
Leak Detector Model								
Type of Leak Detector		MLLD ELLD	MLLD ELLD					
MLLD (ALL PRESSURE MEASUREMEN	NTS ARE MADE	IN PSIG)				2		
STP Full Operating Pressure								
Check Valve Holding Pressure								
Line Resiliency (ml) (line bleed back vol- ume as measured from check valve hold- ing pressure to 0 psig)							es the STP properly cycle on/off under	Yes No
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)							rmal fuel system operation conditions	<u> </u>
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?	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	☐ Yes		
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	□ Yes		
Does the STP properly cycle on/off under normal fuel system operation conditions?	Yes No	□Yes □No	□Yes □No	Yes No	□Yes □No	Yes		
A "No" answer to either of the above ques	tions indicates th	e MLLD fails the	test.					
ELLD (ALL PRESSURE MEASUREMEN	TS ARE MADE	IN PSIG)			1			
STP Full Operating Pressure					-			
How many test cycles are observed before alarm/shutdown occurs?								
Does the simulated leak cause an alarm?	Yes No	Yes No	∐Yes □No	Yes No	∐Yes □No	1 Yes		
A "No" answer to the above question indi- cates the ELLD fails the test.								
Does the simulated leak cause an STP shutdown?	□Yes □No □NA	Yes No	□Yes □No □NA	Yes No	□Yes □No □NA	□ Yes □ N		
Test Results	Pass D Fail	Pass D Fail	Pass D Fail	Pass D Fail	Pass D Fail	Pass		
Comments:								
Tester's Name (print)		Te	ester's Signatu	re				

Chapter 10: Shear Valve Inspection and Testing

- Visually inspect shear valve for proper installation, height, anchoring
- Trip shear valve and attempt to pump fuel through the nozzle
- Pass = valve is properly anchored, shear section + or - 1/2" from level of top surface of dispenser island, lever arm free to rotate, proper plug in test port (no test setups), no fuel flow through nozzle with valve in tripped position



FIGURE 10-1. When activated by fire or impact, the shear valve closes and blocks fuel flow from the dispenser supply lines. The shear valve shown is in the closed position.

Chapter 10: Shear Valve Inspection and Testing

NOTE: Shear valves may not be regulated by the UST agency but may be regulated by Fire Marshal or other AHJ



FIGURE 10-1. When activated by fire or impact, the shear valve closes and blocks fuel flow from the dispenser supply lines. The shear valve shown is in the closed position.

Chapter 10: Shear Valve Inspection and Testing

SHEAR VALVE OPERATION INSPECTION										
Facility Name:			Owner							
Address:			Address							
City, State, Zip Code:			City, State, Zip Code:							
Facility I.D. #:			Phone #:							
Testing Company:					Phone #:					
This data sheet is for inspecting shear valves located inside dispensers. See PEI/RP1200 Section 10 for the inspection procedure.										
Product Grade										
Dispenser ID#										
Shear ValveType (Product/Vapor)										
1. Is the shear valve rigidly anchored to the dispenser box frame or dispenser island?	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	
2. Is the shear section posi- tioned between ½ inch above or below the top surface of the dispenser island?	□Yes □No	□Yes □No	□Yes □No	Yes No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	
3. Is the lever arm free to move?	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	
4. Does the lever arm snap shut the poppet valve?	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	Yes No	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	
5. Can any product be dispensed when the product shear valve is closed?	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	□Yes □No □NA	
A "No" to Lines 1-4 or a "Yes" for	Line 5 indicates	a test failure.					,			
Test Results	□ Pass □ Fail	Pass Fail	Pass Fail	□ Pass □ Fail	Pass Fail	□ Pass □ Fail	□ Pass □ Fail	□ Pass □ Fail	Pass Fail	
Comments:										

Tester's Name (print)

Tester's Signature

Chapter 11: Emergency Stop Testing

- Ensure system is fully powered and normally operating
- Press E-STOP switch (test all switches separately)
- Ensure power is disconnected from:
 - All dispensers
 - All STP's
 - All power, control & signal circuits associated with dispensers and STP's
 - All NON-INTRINSICSALLY SAFE electrical equipment
- Pass = Power has been disconnected to everything listed above



FIGURE 11-1. The E-stop should be clearly labeled and located where it is easily accessible.

Chapter 11: Emergency Stop Testing

		APPEND	DIX C-11			
		EMERGENCY S	STOP SWITCH	Ĩ		
Facility Name:			Owner:			
Address:			Address:			
City, State, Zip Code:			City, State, Zip	Code:		
Facility I.D. #:			Phone #:			
Testing Company:			Phone #:		Date:	
This procedure is to verify the ope pensers, submersible turbine pun rately. See PEI/RP1200 Section 1	eration of all eme nps (STPs) and a 1 for the inspect	rgency stop switch I non-intrinsically s ion procedure.	es/buttons (E-sto safe electrical equ	ops). Each E-stop i uipment in classifi	nust disconnect ed areas. Test ea	power to dis- ich E-stop sepa-
E-stop Number or ID						
Location		3			8	
 E-stops labeled and located where easily accessible? 	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
System fully powered and in normal operating condition?	□Yes □No		□Yes □No	□Yes □No	🗆 Yes 🗌 No	□ Yes □ No
3. After activating E-stop, power	disconnected fr	om:				
3a. All dispensing devices on all islands?	□Yes □No	Yes No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
3b. All STPs for all fuel grades?	Yes No	Yes No	□ Yes □ No	□Yes □No	□ Yes □ No	□Yes □No
3c. All power, control and signal circuits associat- ed with the dispensing devices and the STPs?	□Yes □No	□Yes □No	🗆 Yes 🗖 No	□Yes □No	□Yes □No	□Yes □No
3d. All other non-intrin- sically safe electrical equipment in classified areas surrounding fuel dispensing devices?	□Yes □No	Ves No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
 All intrinsically safe electri- cal equipment remains energized after E-stop acti- vation? 	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No	□Yes □No
 After testing, E-stop has been reset and power rees- tablished to normal operat- ing condition? 	□Yes □No	□Yes □No	□Yes □No	Yes No	□Yes □No	□ Ye <mark>s</mark> □ No
A "No" to lines 3a-3d indicates a	test failure.					
Test Results	Pass Fail	Pass Fail	🗌 Pass 🔲 Fail	Pass Fail	🗌 Pass 🔲 Fail	Pass Fa

State-Specific Required Paperwork

Keep in mind, that <u>many states</u> have developed their own statespecific paperwork to document RP 1200 testing. Be sure that if you are performing this type of work that:

- Technicians are properly licensed to do the work
- Technicians are aware of any state-required paperwork to document their work



PENNSYLVA	DIVISION OF STORAGE	IMENTAL PROTECTIO
INSTALLER/	INSPECTOR CERTIFICATION NU	MBER: 4367
ISSUED TO: CATEGORIE	EDWARD S KUBINSKY	JR
UTT	***** ***** *****	05/30/2024
*****	***** ***** *****	********
*****	***** ***** *****	********
*****	***** ***** *****	********
*****	***** ***** *****	********

2630-FM-BECB0028 3/2022 Form pennsylvania pennsylvania

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF ENVIRONMENTAL CLEANUP AND BROWNFIELDS

UNDERGROUND STORAGE TANK TESTING CERTIFICATION FORM

I. FACILITY INF	ORMATIC	DN - Type or print (in ink)) of Berrin.		Test Date				
Fadity ID #:		Facility	Name:						
Fadilty Street A	ddress:								
Fadilty Telepho	ne:		County:	Municipality:					
II. TESTER INF	ORMATIO	WI		3					
Tester Name:			Tester Cert. #:	e: 610-278-7203					
Company Name	Crompo	o, LLC	Company Cert. #: 124	Tester Email: @	(crompco.com				
III. ATTACHED	TESTING	FORMS							
All Passing	🗌 Fall	Automatic Line Lea	k Detector Functionality Tes	ting Form 2630-FM-BECB0021	Not Applicable				
All Passing	🗌 Fall	Automatic Tank Ga	uge Functionality Testing Fo	rm 2630-FM-BECB0015	Not Applicable				
🗌 All Passing	🔲 Fall	Sensor Functionalit	ty Testing Form	2630-FM-BECB0020	Not Applicable				
All Passing	🔲 Fall	Overfil Prevention	Evaluation Form	2630-FM-BECB0018	Not Applicable				
All Passing	🔲 Fall	Spill Prevention Eq	uipment/Containment Sump	Integrity Testing Form 2630-FM-BECB0016	Not Applicable				
All Passing	🗌 Fall	Pressure/Vacuum /	Pressure/Vacuum Monitoring Functionality Testing Form 2630-FM-BECB0017						
All Passing	🔲 Fall	Groundwater/Vapo	r Monitoring System Function	2630-FM-BECB0019	Not Applicable				
Total Page Col	unt - list the	e total court of pages for th	his teeting package including the sit	e drawing and cover page					
IV. SITE DRAW	ING			7	Site Drawing Attached				
Provide a detail 2630-FM-BEC800 code. Use that co should also be inc V. OWNER'S R	ed site dra 327. Clearly de to identi fuded. EPRESEI	awing of the applicab y indicate all anciliary of thy the component in the NTATIVE CERTIFIC/	ee UST(s), product piping, c equipment which has been tes e appropriate section on the ap ATION	ontainment structures, and ted. Label each component propriate testing form. Any	other layout details on with a unique number or other pertinent information				
I have reviewed faisification to aut	all attache horities), th	d reports. I certify un at the information provid	der penalty of law as provide ded by me is true, accurate, and	d in 18 PA C.S.A. Section complete to the best of my	4904(relating to unswom knowledge and belief.				
Signature:				Date Signed:					
By selecting t within the 48-hour provided a copy of	his box, i, i r timeframe f an email s	the undersigned tester, required for notification sent to the owner showl	am acknowledging the owner n to the Pennsylvania Departme ng proof of notification of test fa	of representative certification and of Environmental Protect Jure.	n is unable to be obtained tion of test failures. I have				
VI. TESTER CE	RTIFICAT	TION							
By signing this d faisification to aut knowledge and be	ocument a: thorities), tr elief.	s the Tester, I certify until the information prov	inder penalty of law as provid ided by me in all attached rep	ed in 18 PA C.S.A. Section orts is true, accurate, and c	4904(relating to unswom complete to the best of my				
Signature:				Date Signed:					

Guardine	LINE	LEAK	GAE	PD US	ST TEST F	ORM	(400) 382.	2487		
Facility Name:	Call Inder In	- compression	and some de	Owner		a const	(404) 302-	2007		
Address:	Address				SS:					
City, County, Zip:		City, State, Zip:								
Facility I.D. #		Phone	#	-						
Tester Name:			-	Tester	Compan	N [*]				
Tester Certification #			-	Tester	Phone #					
			Inct	ruotions						
 Complete portion of form perta Inspection must be performed manufacturer's instructions, or Keep a record copy of this insp 	ining to ty in accord GA EPD section for	pe of equip ance with a requirement of 3 years.	pment insp nationally nts.	vected for recogniz	each tank ed oode o	f practice	(such as P	EI RP-900), or equival	lent),
QA EPD Piping ID #			-		-		-	_	-	
Product Stored					1		+		-	
			1		1		+	_	-	
LLD Manufacturer		_	-	_	1		+			
LLD Model Number	-		-		-		-		-	
LLD Serial Number	-		1		-		+		-	
AIG Model			ionhani-	al Look	Datasta	Tool	oto		-	
Full Prove Concerned Incl.	-	M	echanic	ai Leak	Detector	Test D	dua		à	
Full Fullip Plessale (psi)	<u> </u>		12		-				-	
Holding Pressure (psi)	-		-		-		-		-	
Metering Pressure (psi)							-		_	
Bleed Back (mi)	<u> </u>		2				-		4	
Opening Time (seconds)			2		-		-	-	6	
Leak Test Pressure (psi)			-		-		-		-	
Leak Test Volume (mi)			37		12		4		8	
Test Leak Rate (gph)										
		l	Electroni	c Leak	Detector	Teet Do	ata		6	
Location of Simulated 3 gph leak									1	
Number of Cycles Before Shutdown			21		18		3		8	
Test Leak Rate (gph)	- 27	anaal			Cherry Cherry	- 114		Lengther 1		- 100
Positive Shutdown	1 ves	[]no	Tryes.	no	Thes	D no	- Tives	D no	T ves	D no
Audible Alarm	T yes		Thurs.		Thes	Fine	Dues	0.00	L ves	Dee
Vieual Alarm	U ves		E ver		Dues	0.00	Thes	0.00		
is alarm printed attached?		Des			1000	E an	Dues	- Inc.		
is during most state et.		no		no	Liyes	- no			10,00	
Inspector's Initials			1		1		1	-	1	
Date			13		12		1			
Test Results		□ pass □ fall		□ pass □ fall		□ pacc □ fall		Desce Tall		
I certify that testing was conducted	in full co	mpilance v	with legial (requirem	ents and t	he inform	ation in thi	s report i	s true and i	accurate.
Repairs Needed	Date	of Benak	(C)		' De	corintio	of any P	enairr	3	
repare needed	Daib	or repair	12		De	a de carectori	and any re	oparo	00 - C	
			-	_		_		_	_	
			-							
			125							

Thank you!

Edward S. Kubinsky Jr.

Director of Regulatory Affairs, Training and Certification

CROMPCO, LLC / OWL

O: (610) 276-5914 C: (610) 633-9732

ed.kubinsky@crompco.com