

## Rhode Island Department of Environmental Management Office of Land Revitalization and Sustainable Materials Management Underground Storage Tank (UST) Division

## **Standardized Annual Testing Form for UST Systems**

Facility Profile		
Facility Name:		RI DEM UST Facility ID#
Physical Address:		City/Town:
Primary Contact Name:		Contact Phone #:
UST System Use:		
UST Construction Type:  UST System Contents: Gasoline - All Grades Mixture Jet Fuel/Av G	☐ Diesel ☐ Heating	Construction Type:  g Fuel (all grades)
Tester Information		
Company Name:	Cor	mpany Phone #:
Mailing Address:	-	
Tester Name:	Tes	ter Phone #:
Test Summary		
Date of Test/Inspection:	Tester Signat	:ure:
☐ This is a routine annual test	This is a re-	submittal due to DEM request
☐ This is a re-test due to a failed test	This is a po	st-construction/modification test
General Comments about this test:		
NOTE: This form is for annual tests only. Forms for otl Tests should be performed using methods described		on our website at: http://www.dem.ri.gov/UST

All test results are required to be submitted to DEM within 30 days for passing tests and 7 days for failed tests.

All results must be mailed - we are unable to accept electronic, e-mail, or faxed test results.

Results should be mailed to:

RI DEM - UST Program 235 Promenade Providence, RI 02908

atic Tan	k Gau	ıge Op	erati	on and	Insp	ection			
	City/T	own:			Facility I	D#	Test Date:		
			ndjusted,	set-up, and	l operatin	g properly	<b>'</b> .		
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
able to be a	nswered	, the ATG h	as failed	t l	·		·		
Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
	Yes	No	)						
	Yes Yes Yes Yes Yes Yes A Yes Yes Yes Yes	Yes No	City/Town:  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  The automatic tank gauge (ATG) is a RP1200 Section 8.2 or equivalent.  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Yes No Yes No Yes No Yes No Yes  Yes No Yes  Yes No Yes No Yes  Yes No Yes  Yes No Yes No Yes  Yes No Yes	re automatic tank gauge (ATG) is adjusted, set-up, and operating properly.  RP1200 Section 8.2 or equivalent.  Yes No	City/Town:    Facility ID #   Test Date:

Mechai	nical a	nd Ele	ectroni	c Lin	e	Leak	Dete	ctors			
Facility Address:		City/	Town:		_		Facility I	ID#	Test Date	::	
This data sheet should be used to test mechapumps (STP) systems. See PEI/RP1200 Section					ctr	onic line l	eak deted	ctors (ELLD	) with sub	mersible tur	bine
Which UST(s) does this LLD service?											
Leak Detector Manufacturer											
Leak Detector Model											
What type of Line Leak Detector is present?	MLLD	ELLD	MLLD	ELLD		MLLD	ELLD	MLLD	ELLD	MLLD	ELLD
Mechanical Line Leak Detectors							All Pre	essure Mea	surement	s are made i	n PSIG
STP Full Operating Pressure											
Check Valve Holding Pressure											
Line Resiliency (mL) Line Bleedback 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 of 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
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 operation conditions?	Yes	No	Yes	No		Yes	No	Yes	No	Yes	No
Electronic Line Leak Detectors	4						All Pres	sure Measi	urements a	are made in	PSIG
STP Full Operating Pressure											
How many test cycles are observed before alarm and/or shutdown occurs?					Ī						
Does the simulated leak cause an alarm?	Yes	No	Yes	No		Yes	No	Yes	No	Yes	No
Does a simulated leak trigger a STP shutdown	? Yes	No	Yes	No		Yes	No	Yes	No	Yes	No
If the simulated leak does not trigger an ala	rm on the	CMS con	sole, the EL	LD has f	fai	led					
FINAL RESULT:	Pass	Fail	Pass	Fail		Pass	Fail	Pass	s Fail	Pass	Fail
Were repairs required to achieve a passir	ıg result?	Yes	No								
Comments or Description of Repairs Performed:											

		S	hear/	Cra	sh Va	lve (	Opera	tion						
Facility Address:				City/	Town:				Facility ID	) #	Test D	ate:		
What Type of piping system o	loes this	UST Fa	acility Use	≘?	Pressuri	ized	Suctio	n	No Pipir	ng				
This datasheet should only be unot required to be completed fo	r systems	with su	ıction pipi	ing or t		do not	having pi	iping. F	or inspect					
Dispenser #														
Is the 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
Is the shear section positioned between 1/2" above or below the top surface of the dispenser island?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Is the lever arm free to move?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Does the poppet valve automatically snap shut?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
When the poppet valve is closed is the flow of product fully stopped?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Have all test or quick disconnect fittings that reach above the shear point of the valve been removed?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
If the answers to any of the											_		<del>-</del>	
Were repairs required to achie				Yes	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
Comments or Description of	Repairs i	errorr	nea:											

	Ov	erfil	l Preve	enti	on De	evic	е						
Facility Address:		City	y/Town:				Facility #	D	Test	Date:			
What is the primary overfill protection de	vice at th	is site?	Ball	Floa	t Ov	erfill <i>F</i>	Alarm	Autom	natic Shu	toff Va	lve (F	lappe	r)
This datasheet is for inspecting automatic sl	hutoff devi	ices, ba	II floats, and	lover	fill alarm:	s. See P	EI/RP1200	Section	n 7 for ins	pection	proce	edures	
Ball Float Valve													
DEM Tank ID #													
Ball float removed for inspection?	Yes	No	Yes	No	Yes	N	o Yes	5 N	lo Y	es	No	Yes	1
Ball float cage free of debris?	Yes	No	Yes	No	Yes	N	o Yes	i N	lo Y	es	No	Yes	1
Ball free of holes, cracks, or other damage?	Yes	No	Yes	No	Yes	N	o Yes	i N	lo Y	es	No	Yes	1
Ball present and moves freely in cage?	Yes	No	Yes	No	Yes	N	o Yes	s N	lo Y	es	No	Yes	1
Vent hole in pipe open and near top of tank?	Yes	No	Yes	No	Yes	N	lo Yes	5 N	lo Y	es	No	Yes	1
Measured depth at which the installed ball float would begin to restrict flow (inches)											$\perp$		
Depth at which UST is 90% full according to manufacturers tank charts (inches)													
Will ball float restrict flow at 90% capacity?	Yes	No	Yes	No	Yes	N	o Yes	N	o Ye	es	No	Yes	
Automatic Shutoff Device (Flapper Va	lve)												
DEM Tank ID #													
Was the drop tube removed from the tank?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Y	'es	No
Drop tube free of debris or obstructions?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Υ	'es	No
Float moves freely without binding and poppet moves into flow path?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Υ	'es	No
Flapper set to shutoff at 95% capacity?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Y	'es	No
Drop tube free of corrosion or other damage?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Y	'es	No
Remote Overfill Alarm													
DEM Tank ID #:													
Does overfill alarm activate in the test mode at	t the conso	ole?			Yes	No	Yes	No	Yes	No	Υ	es	No
When activated, can the overfill alarm be hear	d and seen	from t	he fill point	?	Yes	No	Yes	No	Yes	No	Y	'es	No
Does manually moving the product float(s) to	the 90% le	vel trig	ger the alar	m?	Yes	No	Yes	No	Yes	No	Y	es	No
Was the ATG removed, inspected, and found t	o be fully o	peratio	onal?		Yes	No	Yes	No	Yes	No	Y	es	No
Measured product depth at which the installed	d alarm wo	ould act	ivate (inch)	P	4		Α		Α		Α [		
Depth at which UST is 90% full according to m	anufacture	ers tank	charts (incl	n) E	3		В		В		В		
Is A ≤ B?					Yes	No	Yes	No	Yes	No	Ye	es	No
Comments or Descriptions on Test or Repairs I	Performed	:											

Contin	uous	Monit	oring	Syst	em, Liq	uid l	Level S	ensor	s, a	nd Int	ersti	tial S <sub>l</sub>	pace S	Sensor				
Facility Address:					City/To	wn:					Facility	/ ID #		Test Date	e:			
Continuous Monitoring System														$\wedge$	Al	l sensors n		
the CMS operational and indicating "n	ormal" o	condition	ns with r	no alarn	ns, warning	ıs, malf	functions, o	or test fa	ilures	indicate	d?	Yes	No		•	for ir	spectio	n
hen the "TEST" button is pressed, does	the CM	S make a	an audik	ole sour	nd and all li	ghts or	n the conso	ole illum	nate	?		Yes	No	Ţ.	If	any are "N		
o the programmed tank parameters (ta	ank size,	compor	ent typ	e) matc	h what is ir	nstalled	d on-site?					Yes	No		3	consic	ered fa	iled
ping, STP, and Transition Sump an	d Unde	r-Dispe	nser Co	ntainn	nent Liqui	d Leve	el Sensor											
Sensor Location																		
Which UST or dispenser is this sensor associated with?																		
this sensor connected to the CMS or a standalone positive shutdown?																		
When the sensor is immersed in liquid is an alarm triggered on the CMS?	Yes	No	N/A	Yes	. No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
s the sensor upright, within 1" of the lowest point of sump, and secured?	Yes	No		Yes	s No		Yes	No		Yes	No		Yes	No		Yes	No	
ls the Sensor free of debris, damage, ostructions, surface films or coatings?	Yes	No		Yes	s No		Yes	No		Yes	No		Yes	No		Yes	No	
When the sensor triggers an alarm, does the CMS show the correct location of the sensor?	Yes	No	N/A	Yes	s No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
Is the sensor wire free from cracks, olits, or other damage, and connected with waterproof connectors?	Yes	No		Yes	s No		Yes	No		Yes	No		Yes	No		Yes	No	
If equipped, does activation of the liquid level sensor shut down the associated component?	Yes	No	N/A	Yes	s No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
JST Interstitial Space Sensor																		
JST # or Contents																		
sensor free of damage, obstructions, su	urface fil	ms, and	coating	s?	Yes	No	Yes	No	,	Yes	No	Yes	No	Yes	No	Yes	No	
the sensor wire free from cracks, splits	and oth	er dama	ge?Does	s	Yes	No	Yes	No	,	Yes	No	Yes	No	Yes	No	Yes	No	
e sensor float move freely and trigger a	an alarm	1?			Yes	No					No	Yes	No	Yes	No		No	_
omments on Test or Repairs Performed:					162	110	, 163	INO		162	140	162	INO	162	INO	162	110	/icion H 8/33/2033