



Petroleum Storage Tank (PST) Rules and Compliance Resources

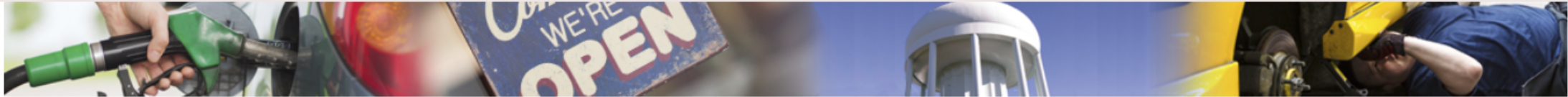
Courtney Lanier & Jean-Marie Holmes
Small Business Local Government Assistance Section

Agenda

- Small Business and Local Government Assistance
- Summary of common violations (penalty calculations)
- Overview of PST rules (UST Compliance Notebook)
- Resources for Petroleum Storage Tank facilities

SBLGA - Who We Are and What We Do

- SBLGA is the Small Business and Local Government Assistance Section of the TCEQ
- Resources
 - Hotline: 1-800-447-2827
 - Email: texasenvirohelp@tceq.texas.gov
 - Meetings with staff
 - EnviroMentor volunteers
 - Advocate Article GovDelivery - www.TexasEnviroHelp.org



[Small Business and Local
Government Assistance Home](#)


[Air Compliance Resources](#)

[Water Compliance Resources](#)

[Waste Compliance Resources](#)

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TexasEnviroHelp - Small Business and Local Government Assistance

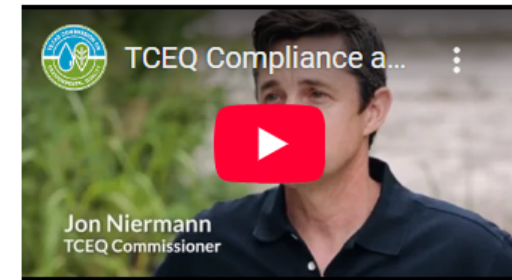
Resources specifically tailored to help small businesses and local governments comply with environmental regulations.

The Small Business and Local Government Assistance (SBLGA) program provides technical assistance without the threat of enforcement.

- Call us toll free at **800-447-2827**.
- Find the nearest **Compliance Assistance Specialist**.
- Read more about rule changes that impact small businesses and local governments in ***The Advocate***.
-  **Sign up to receive an email or text alert** when TCEQ posts information regarding
 - Municipal Solid Waste Rules
 - Petroleum Storage Tank Rules
 - Public Water System Rules
 - Landscape Irrigation Rules
 - Wastewater Rules
 - Septic System (OSSF) Rules

Questions or Comments:

TexasEnviroHelp@tceq.texas.gov



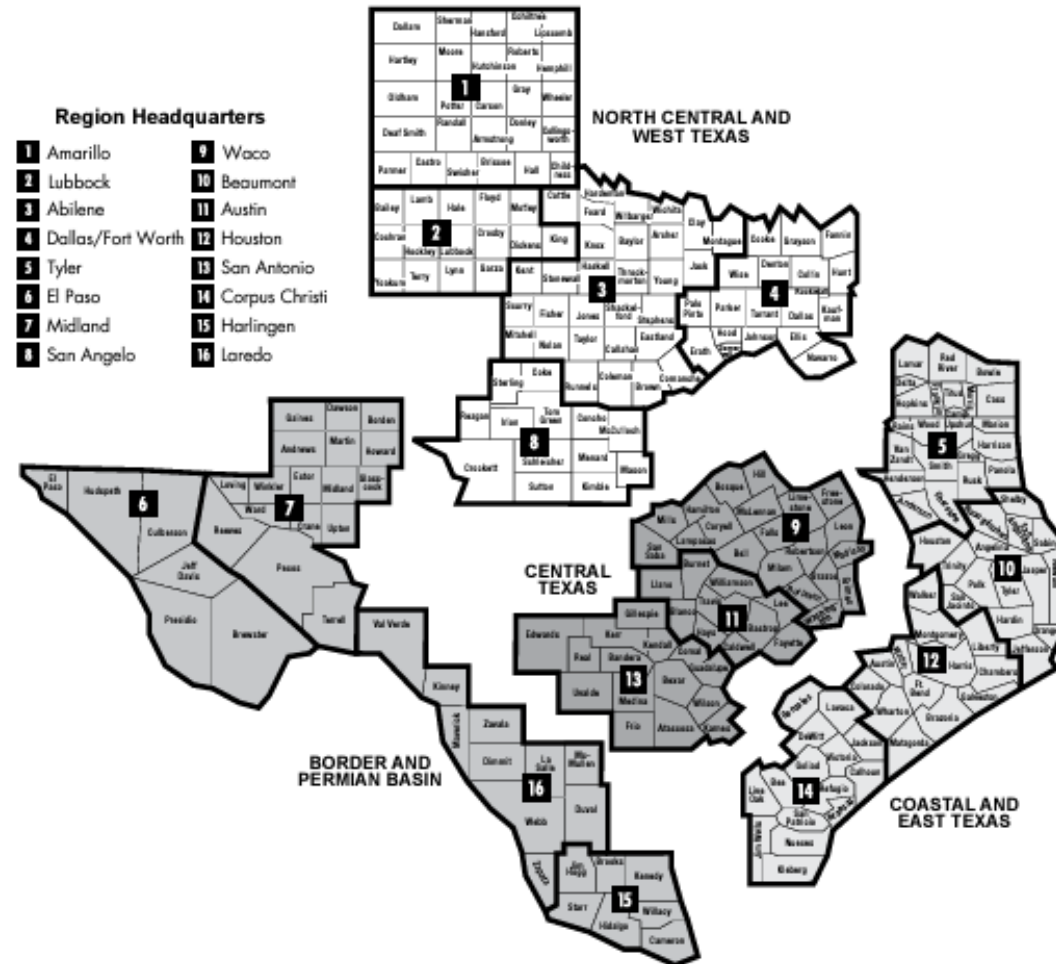
Hot Topics

HOT Public water systems must submit their initial lead service line inventories to TCEQ by October 16, 2024. Please see the **Lead and Copper Rule Revisions** webpage for instructions on submitting your inventory.

HOT In accordance with Texas Health and Safety Code Subsection 341.033(i)(6), non-industrial public water systems (PWS) must immediately notify TCEQ of an

TCEQ SBLGA Compliance Assistance Team Members

TCEQ Areas, Regions, and Compliance Assistance Team Members



Common Violations

1. Failure to monitor USTs for releases
 - Tank
 - Piping
2. Failure to assure all recordkeeping requirements are met
3. Failure to designate, train, or certify an operator for all UST operator classes
4. Failure to maintain corrosion protection equipment

Enforcement Penalty Calculations

- Amount of throughput
- Compliance History
- Avoided Costs (for example, not doing a system tightness test)
- Good faith reduction (25%)
- Deferral for agreed order (20%)

Compliance with PST Rules

- Registration and Self Certification
- Financial Assurance
- Corrosion Protection
- Tank Release Detection
- Piping Release Detection
- Spill and Overfill Prevention
- Release Reporting
- Construction and Maintenance Records
- Operator Training
- Temporarily Out of Service (TOOS)
- Stage I and Stage II Records

Registration and Self-Certification


- Must register new or replacement tanks within 30 days of putting a regulated substance in the tanks
- Annual self-certification for USTs containing motor fuel
- Report changes within 30 days
 - Change of ownership/operator
 - Tank operational status
 - Change in substance stored
 - The addition or change of internal/external corrosion protection, spill and overfill prevention equipment, and release detection methods or equipment

UST Registration Form-0724


PST _____ _RE_____ _UST _____	
For internal use only	
Owner's Customer No.: CN _____ Facility's Regulated Entity No.: RN _____	
TCEQ - UNDERGROUND STORAGE TANK REGISTRATION & SELF-CERTIFICATION FORM (Use this form for filing registration and self-certification information) Page 1 of 5	
For Use in TEXAS	<div> <p>Texas Commission On Environmental Quality</p> <p><small>• Please mail completed form to: Petroleum Storage Tank Registration Team (MC-138) Texas Commission on Environmental Quality P. O. Box 13867 Austin, Texas 78711-3867 (512) 239-2160 Fax (512) 239-3398 *MAKE A COPY OF FORM FOR YOUR RECORDS*</small></p> </div>
	TCEQ Facility ID No.: _____ TCEQ Owner ID No.: _____ Federal Tax ID No.: _____
1. TANK OWNER INFORMATION	
TANK OWNER BUSINESS LAST NAME: _____	TANK OWNER FIRST NAME: _____
OWNER MAILING ADDRESS: _____	
LOCATION OF RECORDS: _____	
TYPE OF TANK OWNER: <input type="checkbox"/> Individual <input type="checkbox"/> Corporation <input type="checkbox"/> Common Carrier Railroad <input type="checkbox"/> Federal Gov't <input type="checkbox"/> State Gov't <input type="checkbox"/> Local Gov't <input type="checkbox"/> County Gov't <input type="checkbox"/> City Gov't <input type="checkbox"/> Sole Proprietorship	
CITY: _____ STATE: _____ ZIP CODE: _____	OFFSITE RECORDS LOCATION ADDRESS: _____ CITY: _____ STATE: _____
COUNTRY (OUTSIDE USA): _____ E-MAIL ADDRESS: _____	RECORDS CURSTODIAN/CONTACT PERSON: _____ TELEPHONE NO.: _____
OWNER'S AUTHORIZED REPRESENTATIVE: TITLE: _____ TELEPHONE NO.: _____	FAX NO.: _____ INDEPENDENTLY OWNED & OPERATED <input type="checkbox"/> YES <input type="checkbox"/> NO
STATE FRANCHISE TAX ID: _____ DUNS NO: _____	NUMBER OF EMPLOYEES: <input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 & HIGHER
** For Self-Certification only this form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol. **	
2. FACILITY INFORMATION	
FACILITY NAME: _____	
PHYSICAL LOCATION: _____	
CITY: _____ TX _____ ZIP CODE: _____ COUNTY: _____	TYPE OF FACILITY: <input type="checkbox"/> Emergency Generator <input type="checkbox"/> Wholesale <input type="checkbox"/> Retail <input type="checkbox"/> Farm or Residential <input type="checkbox"/> Fleet Refueling <input type="checkbox"/> Aircraft Refueling <input type="checkbox"/> Indian Land <input type="checkbox"/> Watercraft Fueling <input type="checkbox"/> Industrial/Manufacturing/Chemical Plant Number of regulated *USTs at this facility: _____ *Underground Storage Tanks (USTs) Number of regulated *ASTs at this facility: _____ *Aboveground Storage Tanks (ASTs)
ON-SITE CONTACT PERSON: _____ TITLE: _____ TELEPHONE NO.: _____	PRIMARY SIC CODE: _____ SECONDARY SIC CODE: _____
E-MAIL ADDRESS: _____ FAX NUMBER: _____	PRIMARY NAICS CODE: _____ SECONDARY NAICS CODE: _____
LATITUDE: Degrees: _____ Minutes: _____ Seconds: _____	LONGITUDE: Degrees: _____ Minutes: _____ Seconds: _____
*** PRIOR TO RETAIL SALE OF FUEL TO THE PUBLIC USING MEASURED DISPENSING DEVICES, ANY METER MUST BE REGISTERED WITH THE TEXAS DEPARTMENT OF AGRICULTURE 1-800-TELL-TDA (1-800-835-5832).	
3. TANK OPERATOR INFORMATION <input type="checkbox"/> (mark here if same as owner)	
* "Operator" means any person in day-to-day control of, and having responsibility for, the daily operation of the UST system.	
TCEQ Operator ID No.: _____ (Assigned by TCEQ) CN _____	
TANK OPERATOR NAME: <u>(Do Not List Employees or Contractors)</u> _____	TYPE OF TANK OPERATOR: <input type="checkbox"/> Individual <input type="checkbox"/> Corporation <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Federal Gov't <input type="checkbox"/> State Gov't <input type="checkbox"/> County Gov't <input type="checkbox"/> Local Gov't
MAILING ADDRESS: _____	Date listed person became operator: _____
CITY: _____ STATE: _____ ZIP CODE: _____	
OPERATOR'S AUTHORIZED REPRESENTATIVE: _____	
TCEQ-0724 (Rev. 1/2006) PST Rules are located in Title 36 TAC, Chapter 334 Page 1 of 5	



AST Registration Form-0659

PST /	/ CO /	/ AST
For internal use only		
Customer No.: CN Regulated Entity No.: RN		
TCEQ – ABOVEGROUND STORAGE TANK REGISTRATION FORM		
 For Use in TEXAS	Texas Commission on Environmental Quality	* Please mail completed form to: Petroleum Storage Tank Registration Program (MC-138) Texas Commission on Environmental Quality P. O. Box 13087 Fax (512) 239-3398 Austin, Texas 78711-3087 (512) 239-2160 *WINK A COPY OF FORM FOR YOUR RECORDS*
	TCEQ Facility ID No.:	
	TCEQ Owner ID No.:	
	Federal Tax ID No.:	
1. TANK OWNER INFORMATION		
Tank Owner BUSINESS OR LAST NAME:		Tank Owner FIRST NAME:
Owner Mailing Address:		Type of Tank Owner: <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Common Carrier Railroad <input type="checkbox"/> Individual <input type="checkbox"/> Corporation <input type="checkbox"/> Federal Gov't <input type="checkbox"/> State Gov't <input type="checkbox"/> Local Gov't <input type="checkbox"/> County Gov't <input type="checkbox"/> City Gov't
City:		Location of Records: <input type="checkbox"/> At facility <input type="checkbox"/> Offsite at:
COUNTRY (OUTSIDE USA):	E-MAIL ADDRESS:	OFFSITE RECORDS LOCATION ADDRESS CITY STATE
OWNER'S AUTHORIZED REPRESENTATIVE:	TELEPHONE NO.:	RECORDS CUSTODIAN/CONTACT PERSON: TELEPHONE NO.:
STATE FRANCHISE TAX ID:	DUNN NO.:	INDEPENDENTLY OWNED & OPERATED <input type="checkbox"/> YES <input type="checkbox"/> NO
NUMBER OF EMPLOYEES: <input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-600 <input type="checkbox"/> 601 & HIGHER		
2. FACILITY INFORMATION		
Facility Name:		Type of Facility: <input type="checkbox"/> Emergency Generator <input type="checkbox"/> Wholesale <input type="checkbox"/> Retail <input type="checkbox"/> Farm or Residential <input type="checkbox"/> Fleet Refueling <input type="checkbox"/> Aircraft Refueling <input type="checkbox"/> Indian Land <input type="checkbox"/> Watercraft Fueling <input type="checkbox"/> Industrial/Manufacturing/Chemical Plant
Physical Location:		Number of regulated 'USTs' at this facility: _____ *Underground Storage Tanks (USTs) Number of regulated 'ASTs' at this facility: _____ *Aboveground Storage Tanks (ASTs)
City:	Zip Code:	County:
TEXAS		
On-Site Contact Person:	Title:	Telephone No.:
E-MAIL ADDRESS:	FAX NUMBER:	PRIMARY SIC CODE: SECONDARY SIC CODE:
Latitude: Degrees Minutes Seconds	Longitude: Degrees Minutes Seconds	PRIMARY NAICS CODE: SECONDARY NAICS CODE:
3. TANK OPERATOR* INFORMATION <input type="checkbox"/> (mark here if same as owner)		
* "Operator" means any person in day-to-day control of, and having responsibility for, the daily operation of the UST system. TCEQ Operator ID No.: _____ (Assigned by TCEQ) CN		
Tank Operator Name: (Do Not List Employee of Operator)		Type of Tank Operator: <input type="checkbox"/> Individual <input type="checkbox"/> Corporation <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Federal Gov't <input type="checkbox"/> State Gov't <input type="checkbox"/> County Gov't <input type="checkbox"/> City Gov't <input type="checkbox"/> Local Gov't
Mailing Address:		
City:	State:	Zip Code:
Operator's Authorized Representative:	Title:	Telephone No.:
		Date listed person became operator: _____
4. REGISTRATION STATUS		
Reason For Submitting Form (Mark all that apply): 1. <input type="checkbox"/> Initial Registration 2. <input type="checkbox"/> AST Ownership Change (New Owner indicate effective date:) _____ 3. <input type="checkbox"/> Amendment of: A. <input type="checkbox"/> Owner Information Update B. <input type="checkbox"/> Operator Information Update C. <input type="checkbox"/> Facility Information Update C. <input type="checkbox"/> Tank Information Update 4. <input type="checkbox"/> Other (specify): _____		
5. OWNER CERTIFICATION		
I certify under penalty of law that I have personally examined and am the owner or the person authorized in the and all attached documents, and based on the best of my knowledge and belief, the information furnished by me is true and correct. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including civil penalties).		
PRINTED NAME OF OWNER/OPERATOR (OR AUTHORIZED REPRESENTATIVE)		TITLE:
SIGNATURE OF OWNER/OPERATOR (OR AUTHORIZED REPRESENTATIVE)		DATE OF SIGNATURE (PLEASE PRINT)
Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-2160.		

STEERS

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

Questions or Comments >>

TCEQ Home

Welcome to STEERS, the State of Texas Environmental Electronic Reporting System.

Here is what you can do online in STEERS:

e-Permits\Registration:

- » Aggregate Production Operations Registration
- » Air New Source Review Registrations
- » CAFO General Permit
- » Concrete Batch Plants General Permit
- » Hydrostatic Test Water General Permit
- » Municipal Solid Waste Notifications
- » Pesticide General Permit
- » Petroleum Storage Tank (PST) Registrations
- » Stormwater General Permits (Construction & Multi-Sector)
- » Tax Relief for Pollution Control Property
- » Texas Emission Reduction Program (TERP)
- » Water Quality Emergency Preparedness System
- » Water Treatment Plant **NEW**


e-Reporting:

- » Annual Emissions Inventory Report (AEIR)
- » Air Emissions & Maintenance Events (AEME) Reporting
- » Emissions Banking and Trading (EBT)
- » Industrial & Hazardous Waste (IHW) NOR and Summaries
- » Municipal Solid Waste (MSW) Reporting
- » Pollution Prevention Planning (P2PLAN) Reporting
- » Public Drinking Water (PDW)
- » Tier II (TIERII)
- » Training Roster Online Submittal (TROLS)

See [details of what you can do](#).

This is STEERS version 6.5.

Enter STEERS:



ER Account Number:

Password:

Login

I need:

- [my password](#)
- [to create a new account](#)
- [to authorize another user's account](#)

Find Out When STEERS Will Be Offline

We do our best to ensure that STEERS is online when you need it. But for upgrades, security measures, and other maintenance, we must bring STEERS or one of its modules offline. We cannot predict emergency outages, but for scheduled downtimes, see our [STEERS maintenance schedule](#).



Financial Assurance

Requirements

- Corrective action (cleanup)
- Third party liability (bodily injury & property damage)
- Most common coverage amounts
 - \$1 Million per occurrence
 - \$1 Million annual aggregate

Options

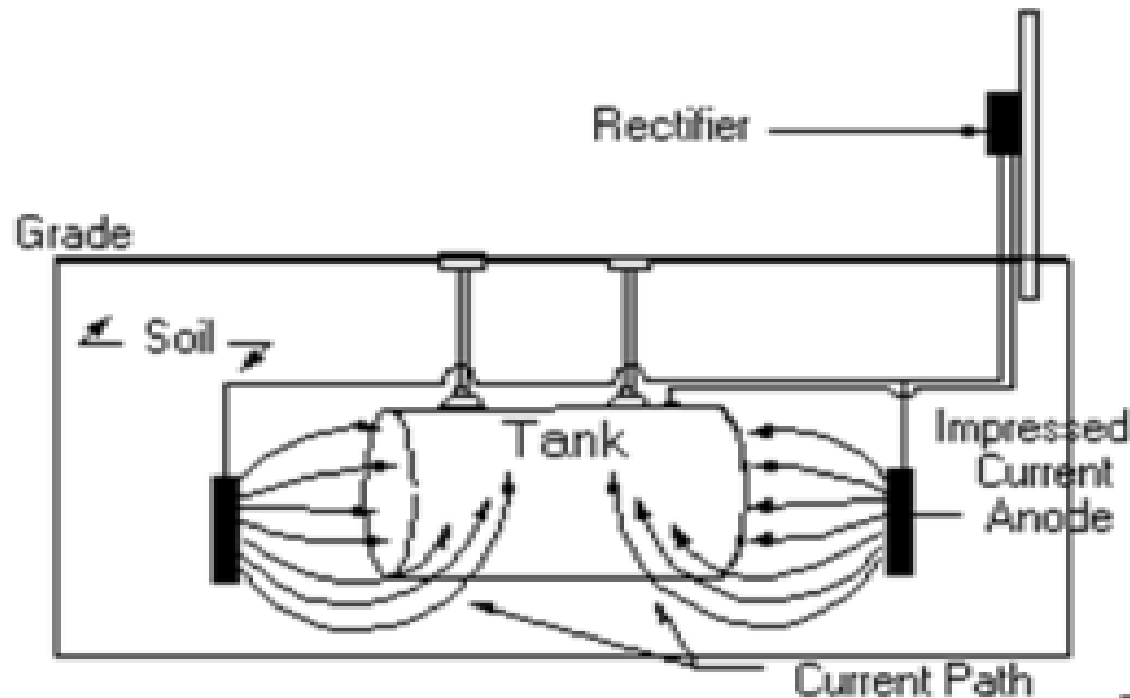
- Insurance or surety bond
- Financial test
- Corporate guarantee
- Trust fund
- Letter of credit
- Local-government financial test

Corrosion Protection

- Protect all underground/underwater metal components from corrosion
- Acceptable methods
 - Noncorrodible material (such as fiberglass reinforced plastic)
 - Electric isolation
 - Cathodic protection

Cathodic Protection

- Two types:
 - Galvanic (sacrificial) system
 - Impressed current system
- Testing frequency:
 - At installation
 - 3-6 months after installation
 - Every 3 years
 - Impressed current systems: 60-day rectifier readings



Rectifier



Sump Corrosion Protection



Tank Release Detection

- Monitoring (0.2 gallons per hour (gph)) conducted at least once every 30 days
- Conduct in accordance with third-party certification requirements/limitations - <https://neiwppcc.org/nwglde/>
- 30-day and annual walkthrough inspections
 - Test alarms, check for operability, review records
- Annual test
 - Test operability

Tank Release Detection Options

- ATG with Inventory Control
 - ATG only - Emergency Generators and Used Oil tanks
- SIR with Inventory Control
- Interstitial Monitoring
- Groundwater/Vapor Monitoring
- Secondary Containment
- 30-day Tank Gauging*
- Manual Tank Gauging*

Tank Stick



ATG Test Printouts

[REDACTED]
[REDACTED]
[REDACTED]
APR 2, 2015 5:10 PM
LEAK TEST REPORT
T 1:REG UNLEADED 1
PROBE SERIAL NUM 762191

TEST STARTING TIME:
MAR 4, 2014 2:00 AM

HEIGHT = 31.1 INCHES
WATER = 0.0 INCHES
TEMP = 73.5 F

TEST LENGTH = 2.0 HRS
STRT VOLUME = 1523.4 GAL
PERCENT VOLUME = 18.9

LEAK TEST RESULTS
0.20 GAL/HR TEST INVL

0.20 GAL/HR FLAGS:
LOW LEVEL TEST ERROR
PERCENT VOLUME TOO LOW

***** END *****

[REDACTED]
[REDACTED]
[REDACTED]
APR 2, 2015 5:10 PM
LEAK TEST REPORT
T 3:SUPER UNLEADED
PROBE SERIAL NUM 762190

TEST STARTING TIME:
MAR 4, 2014 2:00 AM

HEIGHT = 28.6 INCHES
WATER = 0.0 INCHES
TEMP = 74.5 F

TEST LENGTH = 2.0 HRS
STRT VOLUME = 1344.0 GAL
PERCENT VOLUME = 16.6

LEAK TEST RESULTS
0.20 GAL/HR TEST INVL

0.20 GAL/HR FLAGS:
LOW LEVEL TEST ERROR
PERCENT VOLUME TOO LOW

***** END *****

[REDACTED]
[REDACTED]
[REDACTED]
APR 2, 2015 5:10 PM
LEAK TEST REPORT
T 2:REG UNLEADED 2
PROBE SERIAL NUM 762189

TEST STARTING TIME:
MAR 4, 2014 2:00 AM

HEIGHT = 36.0 INCHES
WATER = 0.0 INCHES
TEMP = 73.6 F

TEST LENGTH = 2.0 HRS
STRT VOLUME = 1860.5 GAL
PERCENT VOLUME = 23.0

LEAK TEST RESULTS
RATE = 0.08 GAL/HR
THRS = -0.13 GAL/HR
0.20 GAL/HR TEST PASS

[REDACTED]
[REDACTED]
[REDACTED]
APR 2, 2015 5:10 PM
LEAK TEST REPORT
T 4:DIESEL
PROBE SERIAL NUM 558552

TEST STARTING TIME:
MAR 4, 2014 2:00 AM

HEIGHT = 33.8 INCHES
WATER = 1.5 INCHES
TEMP = 74.4 F

TEST LENGTH = 2.0 HRS
STRT VOLUME = 1812.9 GAL
PERCENT VOLUME = 29.9

LEAK TEST RESULTS
RATE = 0.09 GAL/HR
THRS = -0.13 GAL/HR
0.20 GAL/HR TEST PASS



ATG Test Printouts

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ATG Test Printouts

<p>[REDACTED]</p> <p>APR 2, 2015 5:10 PM LEAK TEST REPORT</p>	<p>[REDACTED]</p> <p>APR 2, 2015 5:10 PM LEAK TEST REPORT</p>
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<p>[REDACTED]</p> <p>APR 2, 2015 5:10 PM LEAK TEST REPORT</p> <p>T 2:REG UNLEADED 2 PROBE SERIAL NUM 762189</p> <p>TEST STARTING TIME: MAR 4, 2014 2:00 AM</p> <p>HEIGHT = 36.0 INCHES WATER = 0.0 INCHES TEMP = 73.6 F</p> <p>TEST LENGTH = 2.0 HRS STRT VOLUME = 1860.5 GAL PERCENT VOLUME = 23.0</p> <p>LEAK TEST RESULTS RATE = 0.08 GAL/HR THRS = -0.13 GAL/HR 0.20 GAL/HR TEST PASS</p>	<p>[REDACTED]</p> <p>APR 2, 2015 5:10 PM LEAK TEST REPORT</p> <p>T 4:DIESEL PROBE SERIAL NUM 558552</p> <p>TEST STARTING TIME: MAR 4, 2014 2:00 AM</p> <p>HEIGHT = 33.8 INCHES WATER = 1.5 INCHES TEMP = 74.4 F</p> <p>TEST LENGTH = 2.0 HRS STRT VOLUME = 1812.9 GAL PERCENT VOLUME = 29.9</p> <p>LEAK TEST RESULTS RATE = 0.09 GAL/HR THRS = -0.13 GAL/HR 0.20 GAL/HR TEST PASS</p>
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30- Day Inventory Control with Reconciliation

****Remove this form and replace it with your facility's records****

MONTHLY INVENTORY RECORD

TANK IDENTIFICATION & TYPE OF FUEL: 4 MIDGRADE UNL

MONTH/YEAR: 9, 93

FACILITY NAME: LAST CHANCE #2

DATE OF WATER CHECK: 9/1 **LEVEL OF WATER (INCHES):** 0

SAMPLE

DATE	O		P		Q		R		S		T		U
	START STOCK INVENTORY (GALLONS)	GALLONS DELIVERED	GALLONS PUMPED	BOOK INVENTORY (GALLONS)	END STOCK INVENTORY (INCHES)	GALLONS	DAILY OVER (+) OR SHORT (-) ("End" - "Book")	INITIALS					
1	4047 (+)	—	(-) 333	(-) 3714	38 1/4	3690	-24	JD					
2	3690 (+)	—	(-) 44	(-) 3646	38	3658	+12	JD					
3	3658 (+)	—	(-) 329	(-) 3329	35 3/8	3223	-6	JD					
4	3323 (+)	—	(-) 60	(-) 3263	35	3275	+12	JD					
5	3275 (+)	—	(-) 145	(-) 3130	33 3/4	3117	-13	JD					
6	3117 (+)	—	(-) 238	(-) 2879	31 1/2	2790	-87	JD					
7	2790 (+)	6134	(-) 117	(-) 2807	80	2844	+27	JD					
8	2844 (+)	—	(-) 127	(-) 2717	78 3/8	2732	+15	JD					
9	2732 (+)	—	(-) 142	(-) 2590	72 1/2	2591	+41	JD					
10	2591 (+)	—	(-) 205	(-) 2386	75 1/2	2379	-7	JD					
11	2379 (+)	—	(-) 204	(-) 2175	73 3/8	2173	-2	JD					
12	2173 (+)	—	(-) 166	(-) 2007	72	2001	-16	JD					
13	2007 (+)	—	(-) 320	(-) 1687	69 3/4	1680	-159	JD					
14	1687 (+)	—	(-) 307	(-) 1380	67	1402	-21	JD					
15	1402 (+)	—	(-) 76	(-) 1326	66 1/2	1342	+16	JD					
16	1326 (+)	—	(-) 224	(-) 1102	64 1/2	1058	-68	JD					
17	1102 (+)	—	(-) 390	(-) 712	61	663	-3	JD					
18	663 (+)	—	(-) 296	(-) 367	58 3/8	354	-7	JD					
19	367 (+)	—	(-) 78	(-) 289	58 1/2	290	+14	JD					
20	289 (+)	—	(-) 424	(-) 147	54 3/8	147	+3	JD					
21	147 (+)	—	(-) 205	(-) 147	53 1/8	147	-25	JD					
22	147 (+)	4177	(-) 403	(-) 944	86 1/2	942	+10	JD					
23	944 (+)	—	(-) 87	(-) 857	85 1/2	834	+7	JD					
24	857 (+)	—	(-) 311	(-) 546	82	546	+4	JD					
25	546 (+)	—	(-) 239	(-) 307	71 1/2	307	-40	JD					
26	307 (+)	—	(-) 256	(-) 53	74 3/8	524	+25	JD					
27	524 (+)	—	(-) 264	(-) 260	74 1/2	270	+8	JD					
28	260 (+)	—	(-) 263	(-) 197	72	199	-16	JD					
29	197 (+)	—	(-) 185	(-) 12	69	11	-5	JD					
30	12 (+)	—	(-) 116	(-) 104	68	10	-5	JD					
31	(+)	(-)	(-)										

W TOTAL GALLONS PUMPED > 6594 **X** TOTAL GALLONS OVER OR SHORT > -74

DROP THE LAST 2 DIGITS from the PUMPED number and enter on the line below

Y LEAK CHECK: 65 + 130 = 195 gallons

Compare these numbers

Is "TOTAL GALLONS OVER OR SHORT" LARGER than "LEAK CHECK" result? YES (NO) (circle one) **2**

If answer is "YES" for 2 MONTHS IN A ROW, notify regulatory agency as soon as possible.

KEEP THIS PIECE OF PAPER ON FILE FOR AT LEAST 5 YEARS

SIR with Inventory Control

****Remove this form and replace with your facility's records****

Monthly SIR Report - [REDACTED]

Page 1 of 1

MONTHLY STATISTICAL INVENTORY RECONCILIATION (SIR) REPORT

FACILITY NAME: [REDACTED] FACILITY ID#: [REDACTED]
TANK LOCATION: [REDACTED]
() OWNER/ [REDACTED] PHONE: [REDACTED]
() OPERATOR: [REDACTED] Houston, TX 77032

SIR PROVIDER: [REDACTED] Phone: 1-(772)-[REDACTED]
SIR VERSION: [REDACTED] DATE OF SIR REPORT: 09/16/2013 TIME 13:30:40
PERIOD COVERED: 08/13 Data points to calculate leak rate: 20 or more

TANK NUMBER	TANK CONTENTS	TANK CAPACITY	LEAK THRESHOLD	MIN. DET. LEAK RATE	CALCULATED LEAK RATE	CRMT	PREV.	2 MO.
1100	Regular	16000	0.005	0.010	0.002	X	X	X
1300	Premium	6000	0.052	0.104	-0.008	X	X	X

NOTE: () OWNER/ () OPERATOR -> Be sure to check the appropriate status.
CRMT = Current Month, PREV = Previous Month, 2 MO. = 2 months prior
F/I/C = Pass, Fail and Inconclusive

1. A copy of this SIR report form shall be maintained on-site for review for each month that SIR is used for release detection.
2. [REDACTED]
3. Results of each monthly analysis must include the calculated results from the data set for leak threshold, the minimum detectable leak rate, the calculated leak rate, and a determination of whether the result of the test was 'Pass', 'Fail', or 'Inconclusive'.
4. 'Pass' means the calculated leak rate for the data set is less than the leak threshold and the minimum detectable leak rate is less than or equal to the certified performance standard (0.2gph).
5. 'Fail' means the calculated leak rate for the data set is equal to or greater than the leak threshold.
6. 'Inconclusive' means the minimum detectable leak rate exceeds the certified performance standard (0.2gph) and the calculated leak rate is less than the leak threshold. If for any other reason the test result is not a 'Pass' or 'Fail', the result is 'Inconclusive'.
7. An Incident Notification Form shall be submitted to the regulators when a monthly SIR report of 'Fail' is received, or after the receipt of one monthly SIR report of 'Inconclusive'.
8. S.I.R. monitors the complete UST system, from UST fuel tube to dispenser, including the piping. In certain states passing S.I.R. test can be substituted for annual line test. The UST owner/operator is responsible for obtaining the applicable states regulations concerning S.I.R. and required line test.

*Fail/Inconclusive
for one
month -
must fill out
disposal
release for
at release
portion*

Person conducting evaluation: [REDACTED]
Signature: [REDACTED]
Tank Owner/Operator: [REDACTED]
Signature: [REDACTED]

Date: 09/18/2013

Date: / /



SIR with Inventory Control

****Remove this form and replace with your facility's records****
Monthly SIR Report - [REDACTED] Page 1 of 1

MONTHLY STATISTICAL INVENTORY RECONCILIATION (SIR) REPORT
FACILITY NAME: [REDACTED] FACILITY ID#: [REDACTED]
TANK LOCATION: [REDACTED]
HOUSTON, TX 77032

SIR VERSION: [REDACTED] DATE OF SIR REPORT: 09/18/2013 TIME 13:30:40
PERIOD COVERED: 08/13 Data points to calculate leak rate: 20 or more

TANK NUMBER	TANK CONTENTS	TANK CAPACITY	LEAK THRESHOLD	MIN. DET. LEAK RATE	CALCULATED LEAK RATE	CURRENT P F I	PREV. P F I	2 MO. P F I
1100	Regular	16000	0.005	0.010	0.002	X	X	X
1300	Premium	6000	0.052	0.104	-0.008		X	X

NOTE: () OWNER/() OPERATOR -> Be sure to check the appropriate status.

CRRMT = Current Month, PREV = Previous Month, 2 MO. = 2 months prior

P|F|I = Pass, Fail and Inconclusive

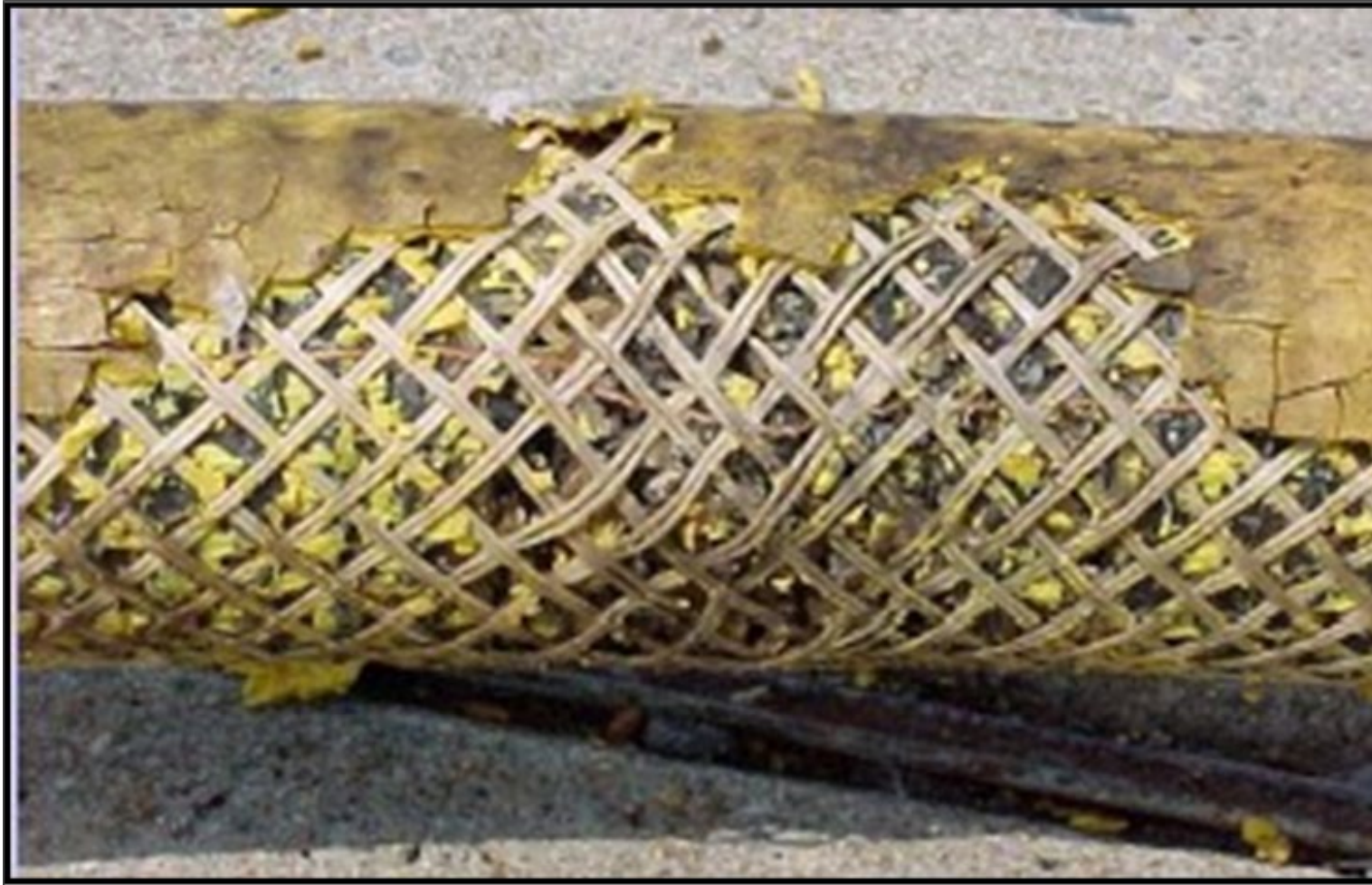
- A copy of this SIR report form shall be maintained on-site for review for each month that SIR is used for release detection.
- [REDACTED]
- Results of each monthly analysis must include the calculated results from the data set for leak threshold, the minimum detectable leak rate, the calculated leak rate, and a determination of whether the result of the test was 'Pass', 'Fail', or 'Inconclusive'.
- 'Pass' means the calculated leak rate for the data set is less than the leak

Fail/Inconclusive
for one
month -
must fill out
disposal
release for
at least
portion

Person conducting evaluation:
Signature: [REDACTED]
Tank Owner/Operator:
Signature: [REDACTED]

Date: 09/18/2013
Date: [REDACTED]

Piping Release Detection



Piping Release Detection

Pressurized piping

- Automatic line leak detector (3 gph)
- Monitoring every 30 days (0.2 gph) or annually (0.1 gph)

Suction piping

- Monitoring every 30 days (0.2 gph) or every 3 years (0.1 gph)

Piping Release Detection Records

Pressurized Piping Systems

- Automatic line leak detector function test AND
- Annual piping tightness test results OR
- Vapor or groundwater monitoring results OR
- Interstitial monitoring OR
- Electronic leak monitoring

Piping Release Detection Records

Suction Piping Systems

- 3-year piping tightness results OR
- Vapor or groundwater monitoring results OR
- Interstitial monitoring OR
- SIR and inventory control

Piping Release Detection Summary

Table 5. Release Detection Methods for Piping

Release Detection Method	Required Records	Frequency
Piping tightness test	Test results	Pressurized systems: every year Suction systems: every 3 years
Groundwater or vapor monitoring	Logs of dates monitored and any results	Every 30 days
Interstitial monitoring (secondary containment)	Logs of dates monitored and any results	Every 30 days for monitoring logs.
Statistical Inventory with Reconciliation (SIR) ¹	Results from an SIR vendor stating "Pass," "Fail," or "Inconclusive" and inventory control records	Every 30 days
Electronic leak monitoring	Logs of dates monitored and any results	Every 30 days

Spill Prevention

- Tight fill fitting
 - Liquid tight spill bucket
 - Visually inspect at least every 30 days
 - Remove debris and liquid within 96 hours
 - 30-day walkthrough inspections
 - Tightness tested every 3 years
- OR
- *Double-walled and inspect every 30 days

Spill Prevention

- All containment sumps:
 - *Walkthrough inspections conducted every year
 - Containment Sumps with Interstitial Monitoring of secondary containment
 - *Test for liquid tightness every 3 years
- OR
- *Double-walled and inspect every 30 days
 - All spill and overflow prevention equipment must be tested within 30 days of repairs

Spill Bucket



Spill Buckets



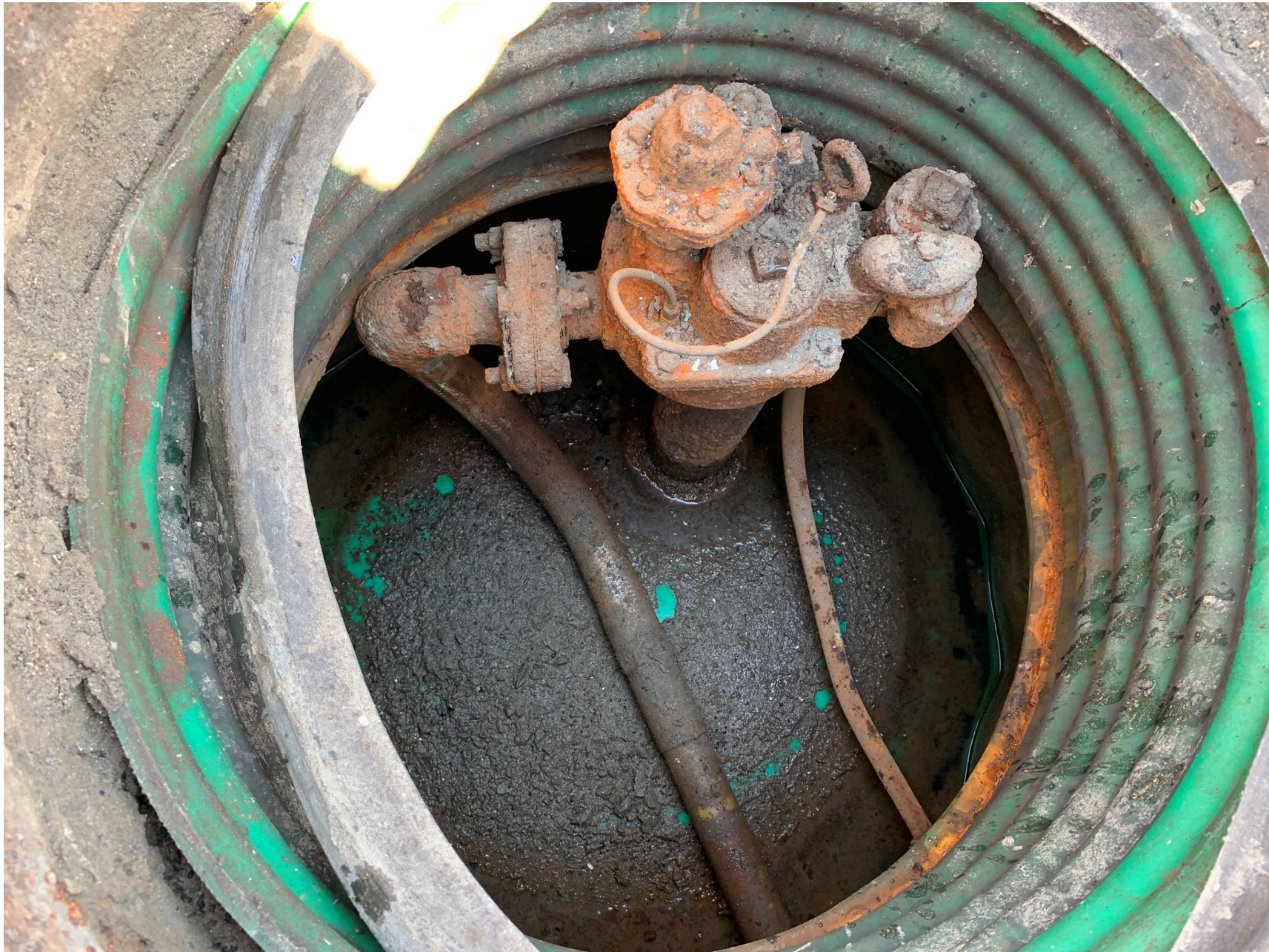
Cut Vent Lines



Sump



Sump



Sump



Overfill Prevention

Automatic shutoff

- Visually verifiable by investigator
- Installation records
- Records of any repairs
- 3-year test

Flow restrictor (ball floats)

- Installation records
- 3-year test
- Ball floats not allowed to be repaired or replaced at existing UST systems after September 1, 2018

Release Reporting

- Report within 24 hours to TCEQ's Remediation Division with Incident Report Form-20097:
 - Date of suspected release
 - Date the owner/operator became aware of the suspected release
 - Results of investigation steps taken
 - Date and results of system tightness test (required within 30 days of the suspected release)
- Investigate within 30 days
- Submit Release Determination Report within 45 days
 - TCEQ Form- 0621

Time Frame³	Scenario or Description	Required Report or Form⁴
Within 24 hours of suspecting a release	Report all suspected releases to TCEQ (30 TAC 334.72).	PST Program Incident Report form (TCEQ-20097)
Within 30 days of suspecting a release	Conduct system test, site check, or other approved procedure to investigate and confirm suspected release (30 TAC 334.74).	N/A
Within 45 days of suspecting a release	Report investigation of a suspected release where ultimately, no release was found (30 TAC 334.74(3)).	PST Release Determination Report form (TCEQ-00621)
Within 24 hours of release confirmation	Report all confirmed releases to TCEQ (30 TAC 334.76).	PST Program Incident Report form (TCEQ-20097)
Within 20 days of release confirmation	Report a confirmed release, whether above or below action levels (30 TAC 334.77(b)).	PST Release Determination Report form (TCEQ-00621)
Within 45 days of release confirmation	Conduct site assessment and submit report (30 TAC 334.78(c)).	Assessment Report Form (TCEQ-00562)



Operator Training

- Designate and train A/B and C operators for each facility
- List of approved A/B operator training courses:
https://www.tceq.texas.gov/remediation/pst_rp/ust_training
- Training certificate expires after 3 years
- Must take an Operator Training course that has been approved by the agency after April 1, 2018
- Certified Class A and Class B operators should have been re-trained by January 1, 2020

Temporarily Out of Service Facility



Temporarily Out of Service (TOOS)

Empty

- Corrosion Protection
- Operator Training
- Empty Documentation
- *Financial Assurance
 - No financial assurance if site check was completed
 - Documentation of Site Check

Not Empty

- Corrosion Protection
- Operator Training
- Financial Assurance
- Annual Self Certification
- Release detection records
- Report Suspected Releases

Resources for Petroleum Storage Tanks

- EPA Guidance
- UST Compliance Notebook RG-543
- PST Superguide RG-475
- UST Compliance Resource Webpage

EPA Guidance

Operating And Maintaining Underground Storage Tank Systems- Practical Help And Checklists (EPA 510-K-16-001, 2/2016)

- Page 54: Sample Walkthrough Inspection Checklist
- Page 32: Checklist For Spill Buckets
- Page 33: Sample Recordkeeping Form For Liquid Tightness Tests For Spill Buckets And Containment Sumps (For Use By A Qualified Tester)
- Page 36: Checklist For Automatic Shutoff Devices
- Page 38: Checklist For Overfill Alarms
- Page 40: Checklist For Ball Float Valves
- Page 42: Sample Recordkeeping Form For Overfill Equipment Inspections (For Use By A Qualified Inspector)
- Page 10: Sample Annual Release Detection Testing Recordkeeping Form

PST Compliance Resources



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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Questions or Comments:
TexasEnviroHelp@tceq.texas.gov

Petroleum Storage Tanks (PST): Compliance Resources

Find out if your storage tank is regulated by TCEQ, how to register and self-certify your storage tank, how to prepare for an investigation, and what your requirements are for operations, monitoring, and reporting.

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[What is a petroleum storage tank?](#)

[Do I need to register my storage tank?](#)

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TEXAS COMMISSION ON
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<https://www.tceq.texas.gov/assistance/industry/pst>

Thank you!

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www.texasenvirohelp.org