



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](#)

[The Advocate: Email Updates](#)

[Compliance Assistance Videos](#)

 [How are we doing? Take our customer satisfaction survey](#)

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

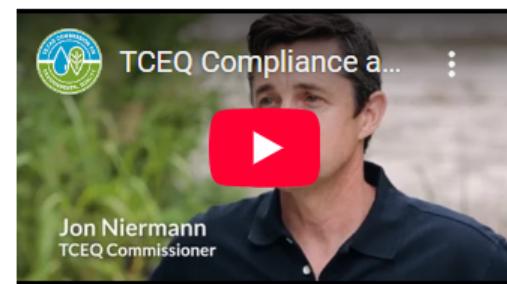
TexasEnviroHelp - Small Business and Local Government Assistance

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

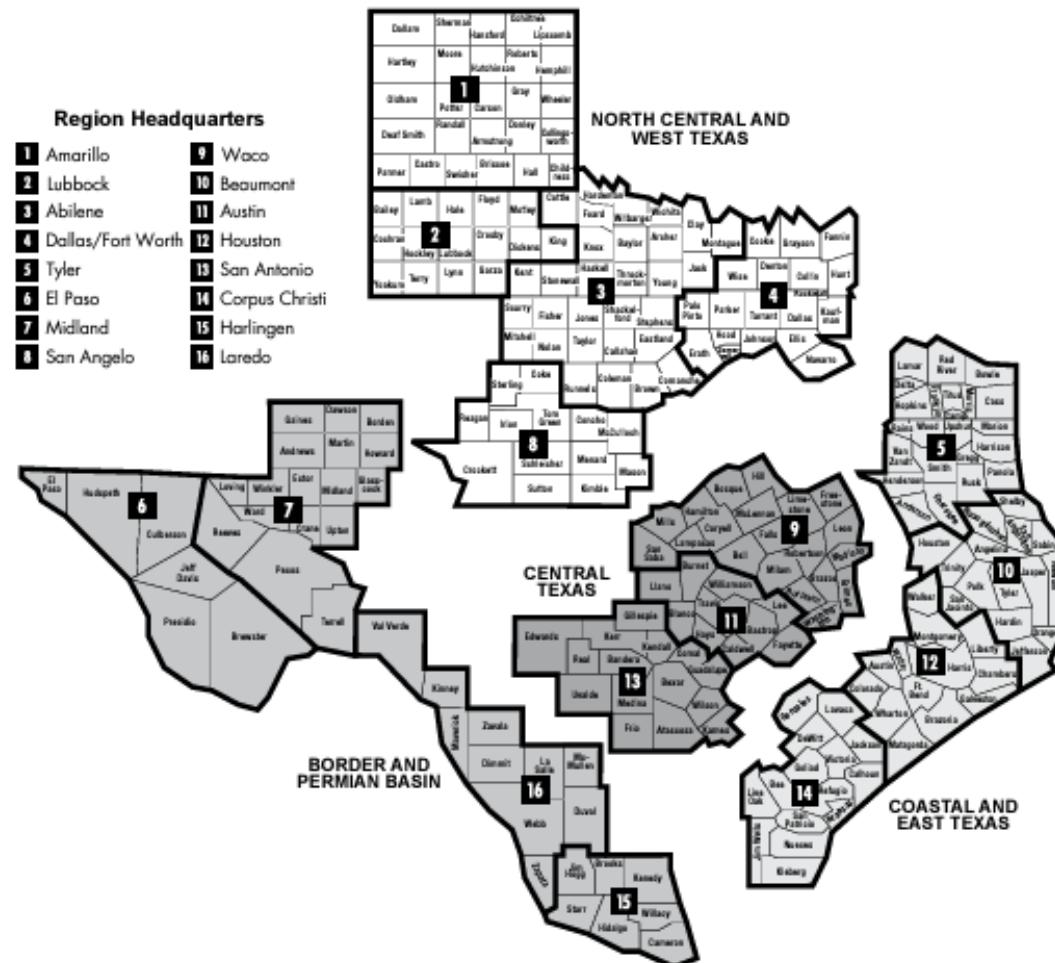
HOT Public water systems must submit their initial lead service line inventories to TCEQ by October 16, 2024. Please see the **Lead and Copper Rule Revisions** webpage for instructions on submitting your inventory.

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



<https://www.tceq.texas.gov/downloads/publications/m/areas-regions-watermasters-m-70.pdf>

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

<u>PST</u> _____ <small>For internal use only</small>	<u>RE</u> _____	<u>UST</u>
Owner's Customer No.: CN Facility's Regulated Entity No.: RN		
TCEQ - UNDERGROUND STORAGE TANK REGISTRATION & SELF-CERTIFICATION FORM <small>(Use this form for filing registration and self-certification information)</small>		
<small>Page 1 of 5</small>		
 Texas Commission On Environmental Quality TCEQ	<small>* Please mail completed form to:</small> Petroleum Storage Tank Registration Team (MC-138) Texas Commission on Environmental Quality P. O. Box 13087 Austin, Texas 78711-3087 (512) 239-2160 Fax (512)239-3398 <small>MAKE A COPY OF FORM FOR YOUR RECORDS*</small>	
1. TANK OWNER INFORMATION		
<small>TANK OWNER BUSINESS OR LAST NAME:</small> _____		<small>TANK OWNER FIRST NAME:</small> _____
<small>OWNER MAILING ADDRESS:</small> _____		
<small>CITY:</small> _____		<small>STATE:</small> _____
<small>ZIP CODE:</small> _____		<small>OFFSITE RECORDS LOCATION ADDRESS:</small> _____
<small>COUNTRY (OUTSIDE USA):</small> _____		<small>MAIL ADDRESS:</small> _____
<small>OWNER'S AUTHORIZED REPRESENTATIVE: TITLE:</small> _____		<small>TELEPHONE NO.:</small> _____
<small>STATE FRANCHISE TAX ID:</small> _____		<small>DUNS NO.:</small> _____
<small>NUMBER OF EMPLOYEES:</small>		<small>0-20</small> <input type="checkbox"/> <small>21-100</small> <input type="checkbox"/> <small>101-250</small> <input type="checkbox"/> <small>251-500</small> <input type="checkbox"/> <small>501 & HIGHER</small> <input type="checkbox"/>
<small>** 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. **</small>		
2. FACILITY INFORMATION		
<small>Facility Name:</small> _____		
<small>Physical Location:</small> _____		
<small>CITY:</small> _____		<small>ZIP CODE:</small> _____
<small>COUNTY:</small> _____		<small>INDIAN LAND:</small> _____
<small>TX</small>		<small>WATERCRAFT FUELING:</small> _____
<small>On-Site Contact Person:</small> _____		<small>Title:</small> _____
<small>TELEPHONE NO.:</small> _____		<small>PRIMARY SIC CODE:</small> _____
<small>E-MAIL ADDRESS:</small> _____		<small>SECONDARY SIC CODE:</small> _____
<small>LATITUDE:</small> <small>Degrees:</small> _____		<small>LONGITUDE:</small> <small>Degrees:</small> _____
<small>Minutes:</small> _____		<small>Minutes:</small> _____
<small>Seconds:</small> _____		<small>Seconds:</small> _____
<small>*** 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 (1-800-335-5832).</small>		
3. TANK OPERATOR INFORMATION		
<small>* "Operator" means any person in day-to-day control of, and having responsibility for, the daily operation of the UST system.</small>		
<small>TCEQ Operator ID No.: _____ (Assigned by TCEQ) CN</small>		
<small>TANK OPERATOR NAME: Do Not List Employee of Operator</small>		
<small>MAILING ADDRESS:</small> _____		
<small>CITY:</small> _____		<small>STATE:</small> _____
<small>ZIP CODE:</small> _____		<small>TYPE OF TANK OPERATOR:</small>
<small>OPERATOR'S AUTHORIZED REPRESENTATIVE:</small> _____		<small>Individual</small> <input type="checkbox"/> <small>Sole Proprietorship</small> <input type="checkbox"/> <small>State Gov't</small> <input type="checkbox"/> <small>Local Gov't</small> <input type="checkbox"/> <small>County Gov't</small> <input type="checkbox"/> <small>City Gov't</small> <input type="checkbox"/>
<small>Date listed person became operator: _____</small>		



AST Registration Form-0659

PST / For internal use only	/ CO / For internal use only	/ AST	
Customer No.: CN Regulated Entity No.: RN TCEQ - ABOVEGROUND STORAGE TANK REGISTRATION FORM			
For Use in TEXAS  TCEQ	Texas Commission on Environmental Quality P. O. Box 13087 Austin, Texas 78711-3087 (512) 239-2160 <small>**PRINT A COPY OF FORM FOR YOUR RECORDS**</small>	* 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 <small>**PRINT A COPY OF FORM FOR YOUR RECORDS**</small>	
		TCEQ Facility ID No.: TCEQ Owner ID No.: Federal Tax ID No.:	
1. TANK OWNER INFORMATION			
TANK OWNER BUSINESS OR LAST NAME:		TANK OWNER'S FIRST NAME: <input type="checkbox"/> 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	
OWNER MAILING ADDRESS:		LOCATION OF RECORDS: <input type="checkbox"/> At facility <input type="checkbox"/> Office at: CITY: STATE: ZIP CODE: OFFICE RECORDS LOCATION ADDRESS: CITY: STATE:	
COUNTRY (OUTSIDE USA)		E-MAIL ADDRESS: RECORDS CUSTOMER 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		NUMBER OF EMPLOYEES: <input type="checkbox"/> 0-25 <input type="checkbox"/> 26-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 & HIGHER	
2. FACILITY INFORMATION			
Facility Name:			
Physical Location:			
CITY:	STATE:	ZIP CODE:	COUNTY:
ON-SITE CONTACT PERSON		TITLE: TELEPHONE NO.:	
E-MAIL ADDRESS:		PRIMARY NAICS CODE:	
LATITUDE: Degrees		Minutes	
LONGITUDE: Degrees		Seconds	
Minutes		Seconds	
3. TANK OPERATOR* INFORMATION <input type="checkbox"/> (mark here if same as owner)			
<small>* "Operator" means any person in day-to-day control of, and having responsibility for, the daily operation of the LST system.</small>			
TCEQ Operator ID No.:		<small>(Assigned by TCEQ)</small> CN	
TANK OPERATOR NAME: (DO NOT LIST EMPLOYEE OR OFFICER)		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:		<small>Date listed person became operator:</small> _____	
CITY: STATE: ZIP CODE:			
OPERATOR'S AUTHORIZED REPRESENTATIVE: TITLE: TELEPHONE NO.:			
4. REGISTRATION STATUS			
Reason For Submitting Form <small>(Mark all that apply):</small>			
1 <input type="checkbox"/> Initial Registration 2 <input type="checkbox"/> AST Ownership Change <small>(New owner indicate effective date):</small> _____ 3 <input type="checkbox"/> Amendment of: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> P <input type="checkbox"/> Q <input type="checkbox"/> R <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> U <input type="checkbox"/> V <input type="checkbox"/> W <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> Z <input type="checkbox"/> Other (specify): _____			
5. OWNER CERTIFICATION			
<small>Check applicable box for statement of personal information and personal identification information, and attach any additional documents, and based on the quality of this information, the agency may accept or deny the application. TCEQ reserves the right to inspect any account and compare it with the information provided on this application.</small>			
PRINTED NAME OF OWNER/OPERATOR (OR AUTHORIZED REPRESENTATIVE)		DATE OF SIGNATURE (PLEASE PRINT)	
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 do](#).

This is STEERS version 6.5.

Enter STEERS:

ER Account Number:

Password:

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

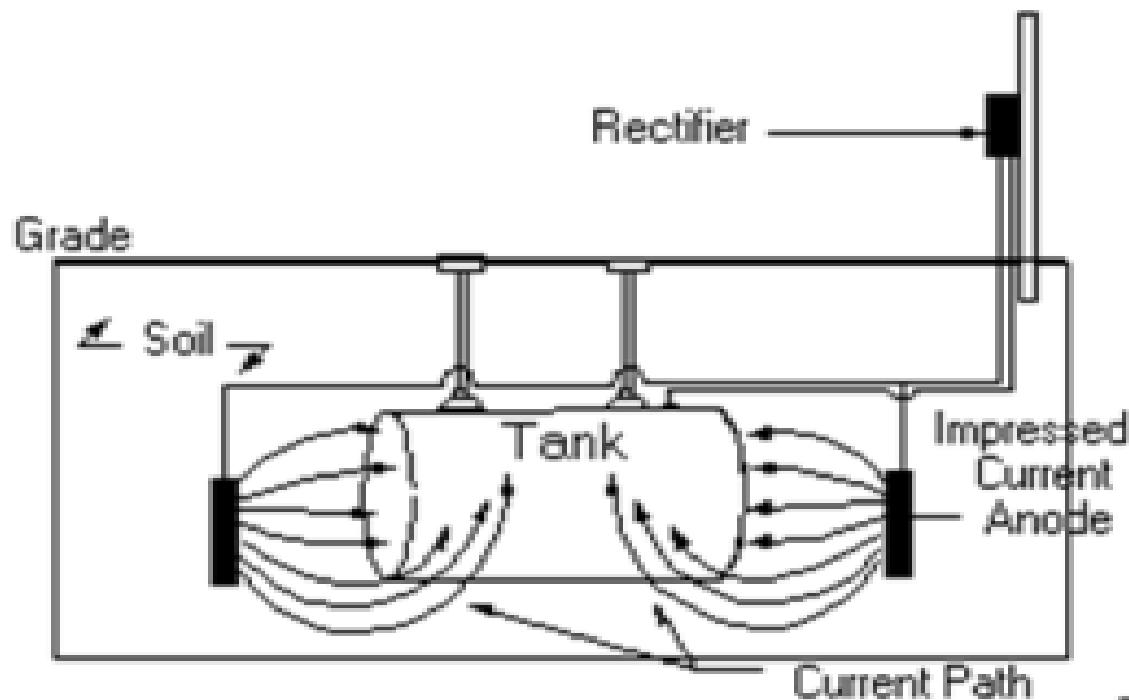
Options

- 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



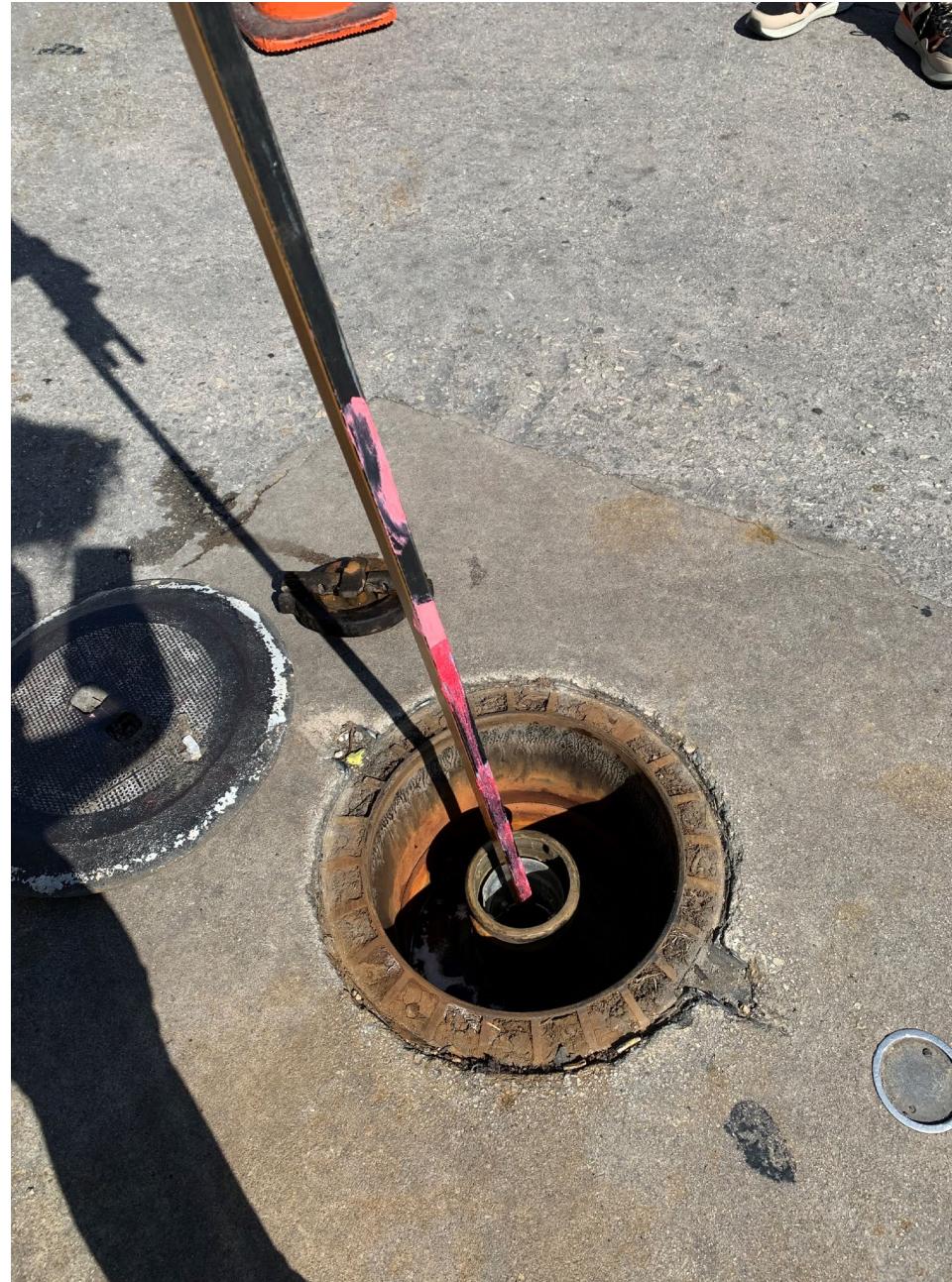
Tank Release Detection

- Monitoring (0.2 gallons per hour (gph)) conducted at least once every 30 days
- Conduct in accordance with third-party certification requirements/limitations - <https://neiwpcc.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

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

***** END *****

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

***** END *****

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

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



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 * * * * *

APR 2, 2015 5:10 PM

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 * * * * *

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

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

ATG Test Printouts

[REDACTED]

[REDACTED]

APR 2, 2015 5:10 PM

LEAK TEST REPORT

APR 2, 2015 5:10 PM

LEAK TEST REPORT

[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]

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

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

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

30- Day Inventory Control with Reconciliation

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

SAMPLE

MONTHLY INVENTORY RECORD

N TANK IDENTIFICATION & TYPE OF FUEL: 4 MIDGRADE ULL
MONTH/YEAR: 9/93

FACILITY NAME: LAST CHANCE #2

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

DATE	START STICK INVENTORY (GALLONS)	GALLONS DELIVERED	GALLONS PUMPED	BOOK INVENTORY (GALLONS)	END STICK INVENTORY (INCHES) <small>E (GALLONS)</small>	DAILY OVER (+) OR SHORT (-) <small>(Eend - Book)</small>	INITIALS	
1	4047 (+)	—	(-1) 333	(-1) 3714	38 1/4	3690	-24	JD
2	3690 (+)	—	(-1) 44	(-1) 3646	38	3658	+12	JD
3	3658 (+)	—	(-1) 329	(-1) 3329	35 3/8	3223	-6	JD
4	3223 (+)	—	(-1) 60	(-1) 3263	35	3295	+12	JD
5	3295 (+)	—	(-1) 145	(-1) 3130	33 3/4	3117	-13	JD
6	3117 (+)	—	(-1) 238	(-1) 2879	31 1/8	2790	-89	JD
7	2790 (+)	—	(-1) 117	(-1) 8807	80	8844	+87	JD
8	8844 (+)	—	(-1) 127	(-1) 8717	78 3/8	8732	+15	JD
9	8732 (+)	—	(-1) 182	(-1) 8550	77 1/2	8591	+41	JD
10	8591 (+)	—	(-1) 205	(-1) 8386	75 1/2	8379	-7	JD
11	8379 (+)	—	(-1) 204	(-1) 8175	73 3/8	8193	-2	JD
12	8193 (+)	—	(-1) 166	(-1) 8007	72	7991	-16	JD
13	7991 (+)	—	(-1) 320	(-1) 7671	69 3/4	7720	-159	JD
14	7720 (+)	—	(-1) 307	(-1) 7423	67	7402	-21	JD
15	7402 (+)	—	(-1) 76	(-1) 7326	66 1/2	7342	+16	JD
16	7342 (+)	—	(-1) 224	(-1) 7118	64 1/2	7050	-68	JD
17	7050 (+)	—	(-1) 390	(-1) 6660	61	6657	-3	JD
18	6657 (+)	—	(-1) 216	(-1) 6361	58 3/8	6354	-7	JD
19	6354 (+)	—	(-1) 78	(-1) 6276	58 1/8	6290	+14	JD
20	6290 (+)	—	(-1) 429	(-1) 5861	54 3/8	5869	+3	JD
21	5869 (+)	—	(-1) 205	(-1) 5664	53 1/8	5639	-25	JD
22	5639 (+)	4 (177)	(-1) 403	(-1) 5413	50 1/2	4423	+10	JD
23	4423 (+)	—	(-1) 67	(-1) 9336	45 1/2	8343	+7	JD
24	8343 (+)	—	(-1) 311	(-1) 9032	82	9036	+4	JD
25	9036 (+)	—	(-1) 239	(-1) 8797	71 1/8	8757	-40	JD
26	8757 (+)	—	(-1) 256	(-1) 8501	76 3/8	8526	+25	JD
27	8526 (+)	—	(-1) 264	(-1) 8262	74 1/2	8270	+8	JD
28	8270 (+)	—	(-1) 268	(-1) 8007	72	7991	-16	JD
29	7991 (+)	—	(-1) 165	(-1) 7806	69	7811	+5	JD
30	7811 (+)	—	(-1) 16	(-1) 7695	68	7690	-5	JD
31	(+)	(-)	(-)					

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

DROP THE LAST 2 DIGITS from the **TOTAL GALLONS PUMPED** number and enter on the **TOTAL GALLONS** 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

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]
[REDACTED] Houston, TX 77032 [REDACTED]
() OWNER/ [REDACTED] PHONE: [REDACTED]
() OPERATOR: [REDACTED] Houston, TX 77032

SIR PROVIDER: [REDACTED] Phone: 1-(772)-[REDACTED]
SIR VERSION: [REDACTED] DATE OF SIR REPORT: 08/18/2013 TIME 13:30:40
PERIOD COVERED: 08/13 Data points to calculate leak rate: 20 or more

TANK	TANK	TANK	LEAK	MIN. DET.	CALCULATED	CURRENT	PREV. 2 MO.
NUMBER	CONTENTS	CAPACITY	THRESHOLD	LEAK RATE	LEAK RATE	P F I P F I P F I	
1100	Regular	15000	0.005	0.010	0.002	X X X	
1300	Premium	6000	0.052	0.164	-0.008	X X X	

NOTE: () OWNER/() OPERATOR -> Be sure to check the appropriate boxes.
CURRENT = Current Month, PREV = Previous Month, 2 MO. = 2 months prior
P|F|I| = 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. 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".

3. "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).

4. "Fail" means the calculated leak rate for the data set is greater than or equal to the leak threshold.

5. "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".

6. 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".

7. 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-
over fill out
inspected
please to
review
portion

Person conducting evaluation: [REDACTED] Date: 09/18/2013
Signature: [REDACTED]
Tank Owner/Operator: [REDACTED] Date: [REDACTED]
Signature: [REDACTED]

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: 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	TANK	LEAK	MIN. DET.	CALCULATED	CURRENT	PREV.	2 MO.	
OWNER	CONTENTS	CAPACITY	THRESHOLD	LEAK RATE	LEAK RATE	P F I P F I P F I P F I	P F I P F I P F I	
1100	Regular	16000	0.005	0.010	0.001	X	X	X
1300	Premium	6000	0.052	0.104	-0.008		X	X

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

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

P|F|I = 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] [REDACTED] [REDACTED] [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

Person conducting evaluation:

Signature: [REDACTED]

Date: 09/18/2013

Tank Owner/Operator:

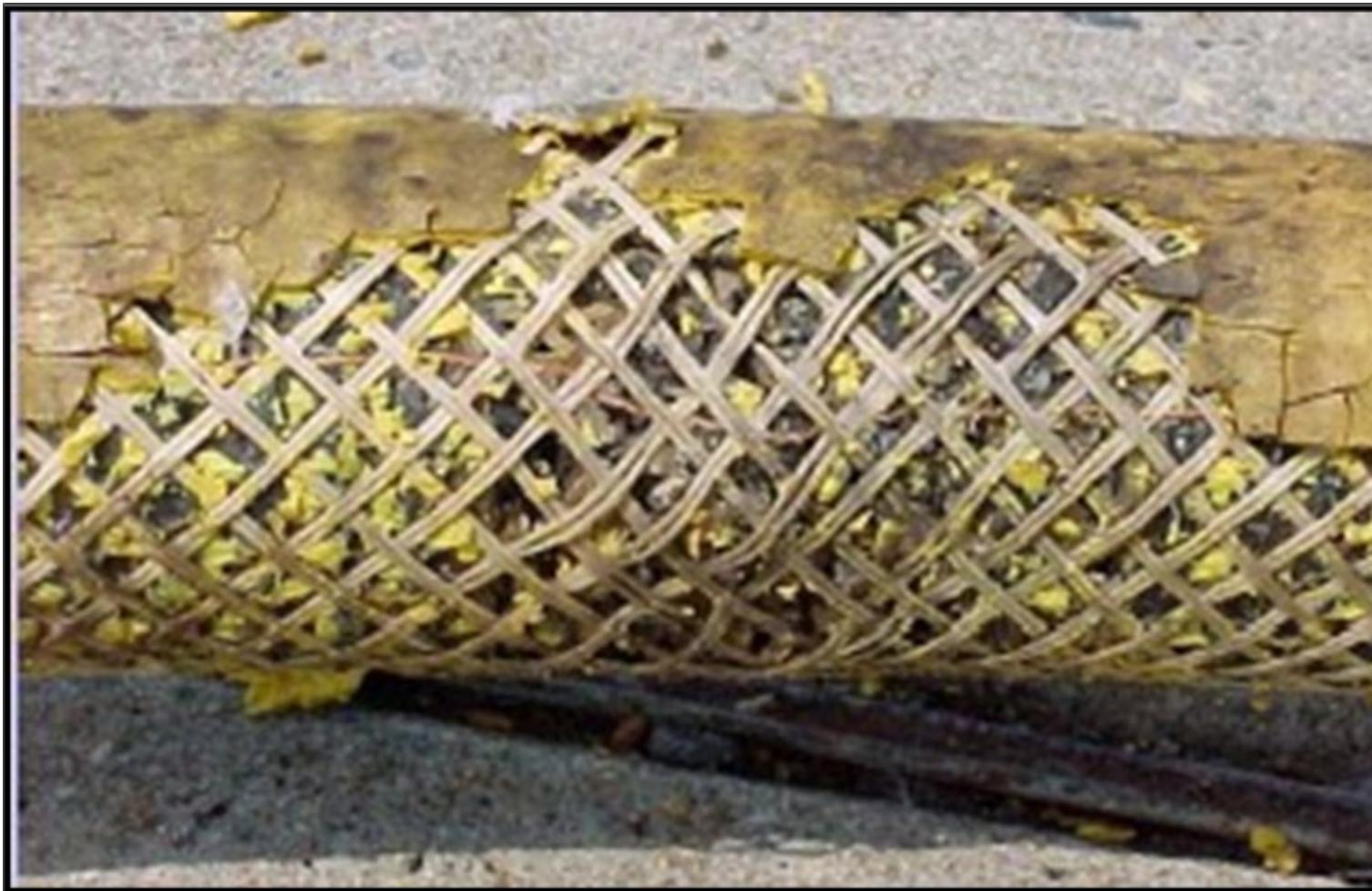
Signature: [REDACTED]

Date: [REDACTED]

for / procedure
for one
month -
next 6th at
suspected
release w/
& repeat
portion



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 sums:
 - *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 overfill prevention equipment must be tested within 30 days of repairs

Spill Bucket



TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY

Spill Buckets



Cut Vent Lines



TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY

Sump



TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY

Sump



TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY

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

Search Site



[Home](#) [Air](#) [Land](#) [Water](#) [Licenses](#) [Permits](#) [Reporting](#)



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

[Air Compliance Resources](#)

[Water Compliance Resources](#)

[Waste Compliance Resources](#)

[The Advocate: Email Updates](#)

[Compliance Assistance Videos](#)

[Home](#) / [Small Business and Local Government Assistance](#) / [Compliance Resources for Small Businesses](#)
[Petroleum Storage Tanks: Compliance Resources](#)

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.

What's new in PST?

What is a petroleum storage tank?

Do I need to register my storage tank?

How do I register and self-certify my storage tank?

Where can I get a copy of my delivery certificate?

[How are we doing? Take our customer satisfaction survey](#)



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

Thank you!

Courtney Lanier

courtney.lanier@tceq.texas.gov

Office: 806-796-7092

Jean-Marie Holmes

jean-marie.holmes@tceq.texas.gov

Office: 817-588-5875

SBLGA Contacts

Hotline: 1-800-447-2827

www.texasenvirohelp.org