



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Environmental Cleanup & Brownfields

Storage Tank Advisory Committee

In-Person/Virtual Meeting

December 6, 2022

10:00 a.m.

Tom Wolf, Governor

Ramez Ziadeh, P.E., Acting Secretary

Membership & USTIF Updates

- Approval of Minutes from June 7, 2022 Meeting
 - Chairperson
- STAC Membership List
 - Kris Shiffer, Chief, Storage Tanks Division
- Underground Storage Tank Indemnification Fund
 - Richard Burgan, Dept. of Insurance, USTIB

DEP Updates

Final Rulemaking: Storage Tank and Spill Prevention Program

(25 Pa. Code Chapter 245)

Effective December 22, 2018

- Added UMI Certification
- Emergency generator tank systems now required to perform release detection
- Added periodic testing requirements
- Added walkthrough inspections

DEP Updates

Added UMI Certification

- 24 Companies added UMI Certification to their qualifications.
- 63 Individuals have become UMI Certified.
 - 8 of these individuals went on to obtain UMX Certification

DEP Updates

Emergency generator tank systems now required to perform release detection

- The removal of the release detection deferral for emergency generator tanks was set to affect 605 UST systems.
- 558 of the 605 UST systems remain (29 more have since been installed)
- 71% performing Interstitial Monitoring for Tank Release Detection
- 50% performing Interstitial Monitoring for Piping Release Detection

DEP Updates

Added periodic testing requirements

- At least every 3 years the following components must be tested:
 - Containment sumps used for interstitial monitoring
 - Spill prevention equipment
 - Overfill
- At least annually the following components must be tested:
 - Electronic and mechanical components of release detection equipment

DEP Updates

Containment sumps used for interstitial monitoring

- 9,103 UST systems were affected by the containment sump testing requirement.
- Currently, 8459 UST systems perform interstitial monitoring for piping release detection
- Alternate methods to using water
- Low level sump test method

DEP Updates

Spill prevention equipment

- Almost all UST systems affected by this requirement.
- Compliance with testing both spill prevention and containment sumps
 - 2020: 72.6%
 - 2021: 75.1%
 - 2022: 81.2%

DEP Updates

Overfill

- At the time of the rulemaking, a total of 3,306 UST systems were reported to have ball float valves as the current form of overfill prevention
- Today, this number is 1,126.
- Compliance with testing overfill:
 - 2020: 71.4%
 - 2021: 72.3%
 - 2022: 77.8%

DEP Updates

Electronic and mechanical components of release detection equipment

- Almost all UST systems affected by this requirement. Compliance with testing of tank release detection equipment:
 - 2020: 83.5%
 - 2021: 79.3%
 - 2022: 81.5%

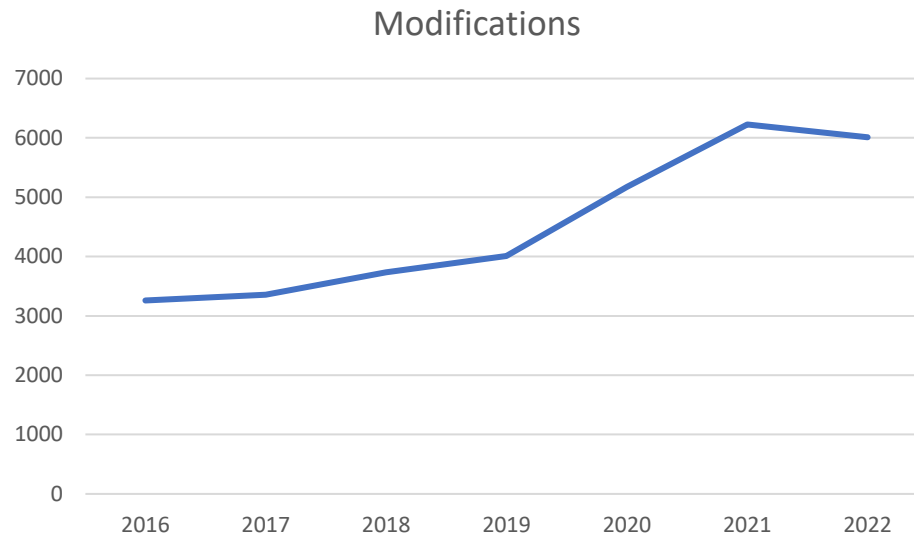
DEP Updates

Walkthrough Inspections

- Almost all UST systems affected by this requirement. Compliance with walkthrough inspections:
 - 2020: 74.2%
 - 2021: 76.7%
 - 2022: 80.2%

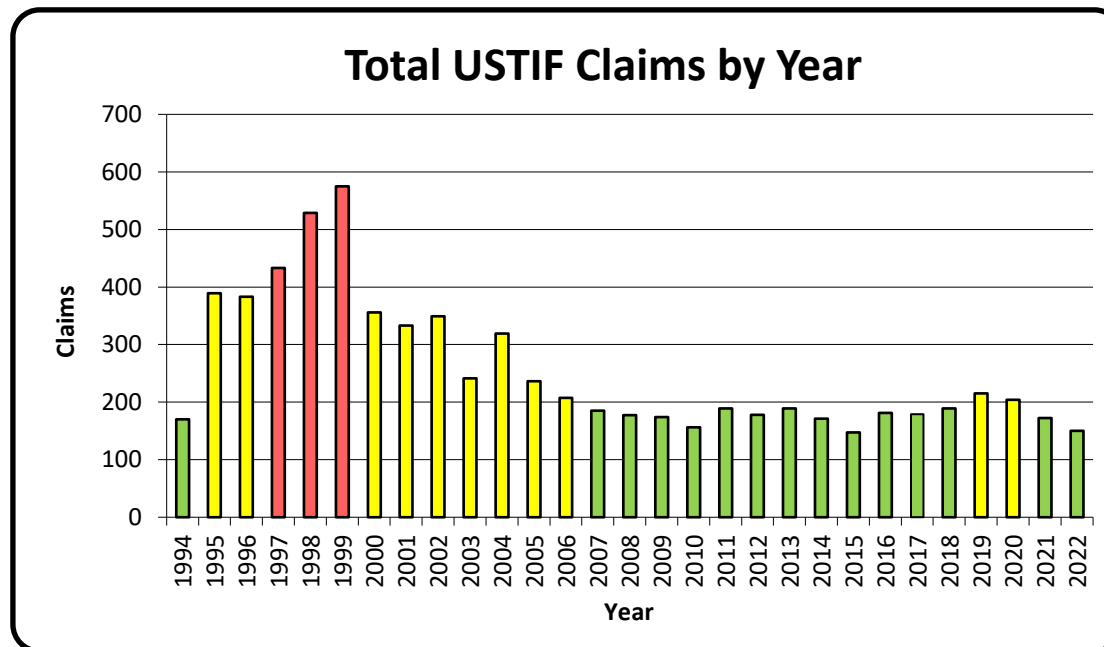
DEP Updates

Increase in modifications



DEP Updates

Initial increase in USTIF Claims ...followed by decrease



DEP Updates

- UST Lifespan
 - Tanks
 - Piping
 - Components no longer being supported
- Cost Planning for Facilities
 - Increase in Evs/alternate fuels
 - Increased cost of capital
 - Risk a facility may be taking on delaying tank replacement for 10-15 years.

DEP Updates

UST Active Tanks as of 06-30-2022

Tank Capacity in Gallons	6/30/2017	12/31/2017	6/30/2018	12/31/2018	6/30/2019	12/31/2019	6/30/2020	12/31/2020	6/30/2021	12/31/2021	6/30/2022	% Change 5 Years	% Change 3 Years	% Change 1 Year
111 to 5,000	5,697	5,657	5,594	5,523	5,439	5,340	5,238	5,199	5,136	5,045	5,011	-12.04%	-7.87%	-2.43%
5,001 to 10,000	11,506	11,422	11,316	11,209	11,122	11,035	10,938	10,865	10,808	10,712	10,649	-7.45%	-4.25%	-1.47%
10,001 and Greater	5,232	5,250	5,259	5,327	5,387	5,449	5,488	5,513	5,552	5,542	5,580	6.65%	3.58%	0.50%
Total for UST Tanks	22,435	22,329	22,169	22,059	21,948	21,824	21,664	21,577	21,496	21,299	21,240	-5.33%	-3.23%	-1.19%

Total AST/UST Tanks	40,271	40,066	39,874	39,788	39,796	39,676	39,458	39,339	39,172	38,820	38,694	-3.92%	-2.77%	-1.22%
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DEP Updates

- Alternatives to replacement
 - Rigid bladders
 - Stand alone systems
- Tank shortage in the industry
- Trained staff shortage
 - Certification requirements vs. safety
 - Suspicious activity
- Biofuels Tank Upgrade
 - Compatibility proposal at Federal level
- Addressing water in tanks

DEP Updates

- Funding
 - Storage Tank Fund
 - Regulated Community
- Improving compliance
 - Public Outreach
 - Enforcement
 - Alternate Fees
 - Public Knowledge
- Staffing
 - DEP
 - Regulated/Certified Community

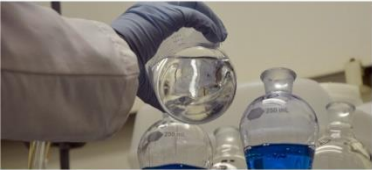
Old Business & New Business

Old Business – Chairperson

New Business – Chairperson

- Public Comment
- Election of Officers – Nominating Committee Report
- Election of Officers
- Approval of Meeting Dates for 2023
 - Tuesday, March 21
 - Wednesday, June 7
 - Wednesday, September 6
 - Wednesday, December 13

Adjourn - Chairperson



pennsylvania

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Kris Shiffer

Chief, DEP

Division of Storage Tanks

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