

Storage Tank Advisory Committee

Bureau of Environmental Cleanup and Brownfields
12/04/2024





Pennsylvania
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Membership

- Approval of Minutes: June 5, 2024
 - Chairperson
- STAC Membership List
 - E. Alex Eckman, Acting Storage Tank Program Manager



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USTIF Updates

- Underground Storage Tank Indemnification Fund
 - Benjamin Lorah, Director, Bureau of Special Funds, Pennsylvania Department of Insurance, USTIF



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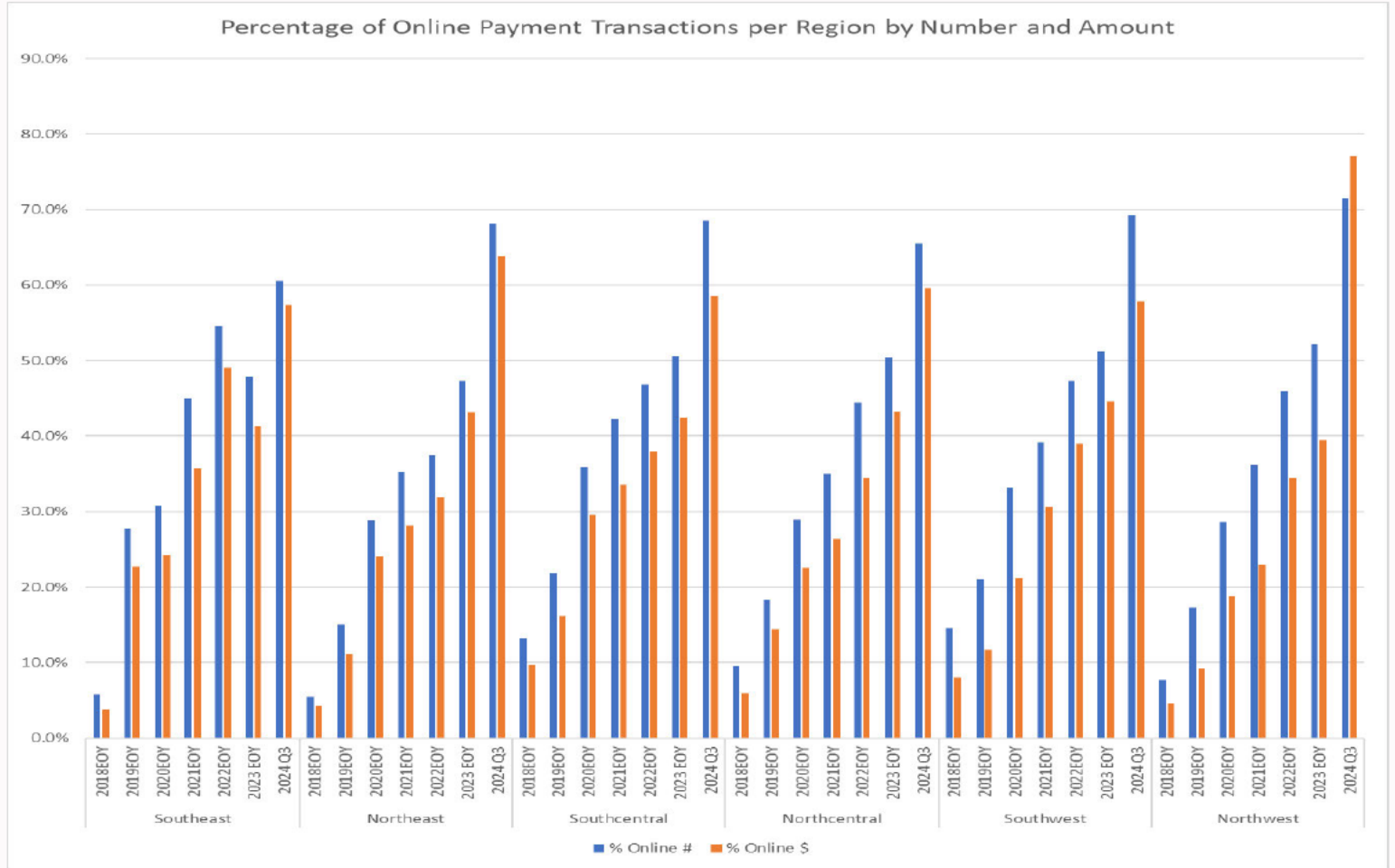
DEP Updates

- Storage Tank Program Statistics
 - E. Alex Eckman, Acting Storage Tank Program Manager



Program Statistics

- Online Payments have increased >10%
- 60% of registration fees paid online
- 50% of online payments through “Quick Pay”



Online Fee Payments continue to increase annually



Program Statistics

- Continued decreases in total tank population.
- Minor in small ASTs
- Apparent consolidation of smaller USTs into larger USTs

AST Active Tanks as of 6-30-2024														
Tank Capacity in Gallons	6/30/2019	12/31/2019	6/30/2020	12/31/2020	6/30/2021	12/31/2021	6/30/2022	12/31/2022	6/30/2023	12/31/2023	6/30/2024	% Change 5 Years	% Change 3 Years	% Change 1 Year
251 to 5,000	8,664	8,677	8,651	8,671	8,626	8,572	8,586	8,643	8,621	8,653	8,676	0.14%	0.58%	0.64%
5,001 to 50,000	7,439	7,451	7,426	7,384	7,363	7,322	7,307	7,316	7,276	7,206	7,181	-3.47%	-2.47%	-1.31%
50,001 to 500,000	884	869	860	852	847	826	805	800	782	768	763	-13.69%	-9.92%	-2.43%
500,001 to 2,000,000	464	459	458	456	453	445	436	436	428	428	426	-8.19%	-5.96%	-0.47%
2,000,001 and Greater	397	396	399	399	387	356	320	313	308	301	300	-24.43%	-22.48%	-2.60%
Total for AST Tanks	17,848	17,852	17,794	17,762	17,676	17,521	17,454	17,508	17,415	17,356	17,346	-2.81%	-1.87%	-0.40%

UST Active Tanks as of 6-30-2024														
Tank Capacity in Gallons	6/30/2019	12/31/2019	6/30/2020	12/31/2020	6/30/2021	12/31/2021	6/30/2022	12/31/2022	6/30/2023	12/31/2023	6/30/2024	% Change 5 Years	% Change 3 Years	% Change 1 Year
111 to 8,000	10,598	10,431	10,276	10,199	10,099	9,940	9,875	9,769	9,635	9,518	9,427	-11.05%	-6.65%	-2.16%
8,001 and Greater	11,350	11,393	11,388	11,378	11,397	11,359	11,365	11,386	11,382	11,367	11,365	0.13%	-0.28%	-0.15%
Total for UST Tanks	21,948	21,824	21,664	21,577	21,496	21,299	21,240	21,155	21,017	20,885	20,792	-5.27%	-3.28%	-1.07%

Total AST/UST Tanks	39,796	39,676	39,458	39,339	39,172	38,820	38,694	38,663	38,432	38,241	38,138	-4.17%	-2.64%	-0.76%
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UST Active Tanks as of 6-30-2024														
Tank Capacity in Gallons	6/30/2019	12/31/2019	6/30/2020	12/31/2020	6/30/2021	12/31/2021	6/30/2022	12/31/2022	6/30/2023	12/31/2023	6/30/2024	% Change 5 Years	% Change 3 Years	% Change 1 Year
111 to 5,000	5,439	5,340	5,238	5,199	5,136	5,045	5,011	4,927	4,855	4,780	4,720	-13.22%	-8.10%	-2.78%
5,001 to 10,000	11,122	11,035	10,938	10,865	10,808	10,712	10,649	10,598	10,517	10,434	10,389	-6.59%	-3.88%	-1.22%
10,001 and Greater	5,387	5,449	5,488	5,513	5,552	5,542	5,580	5,630	5,645	5,671	5,703	5.87%	2.72%	1.03%
Total for UST Tanks	21,948	21,824	21,664	21,577	21,496	21,299	21,240	21,155	21,017	20,885	20,812	-5.18%	-3.18%	-0.98%

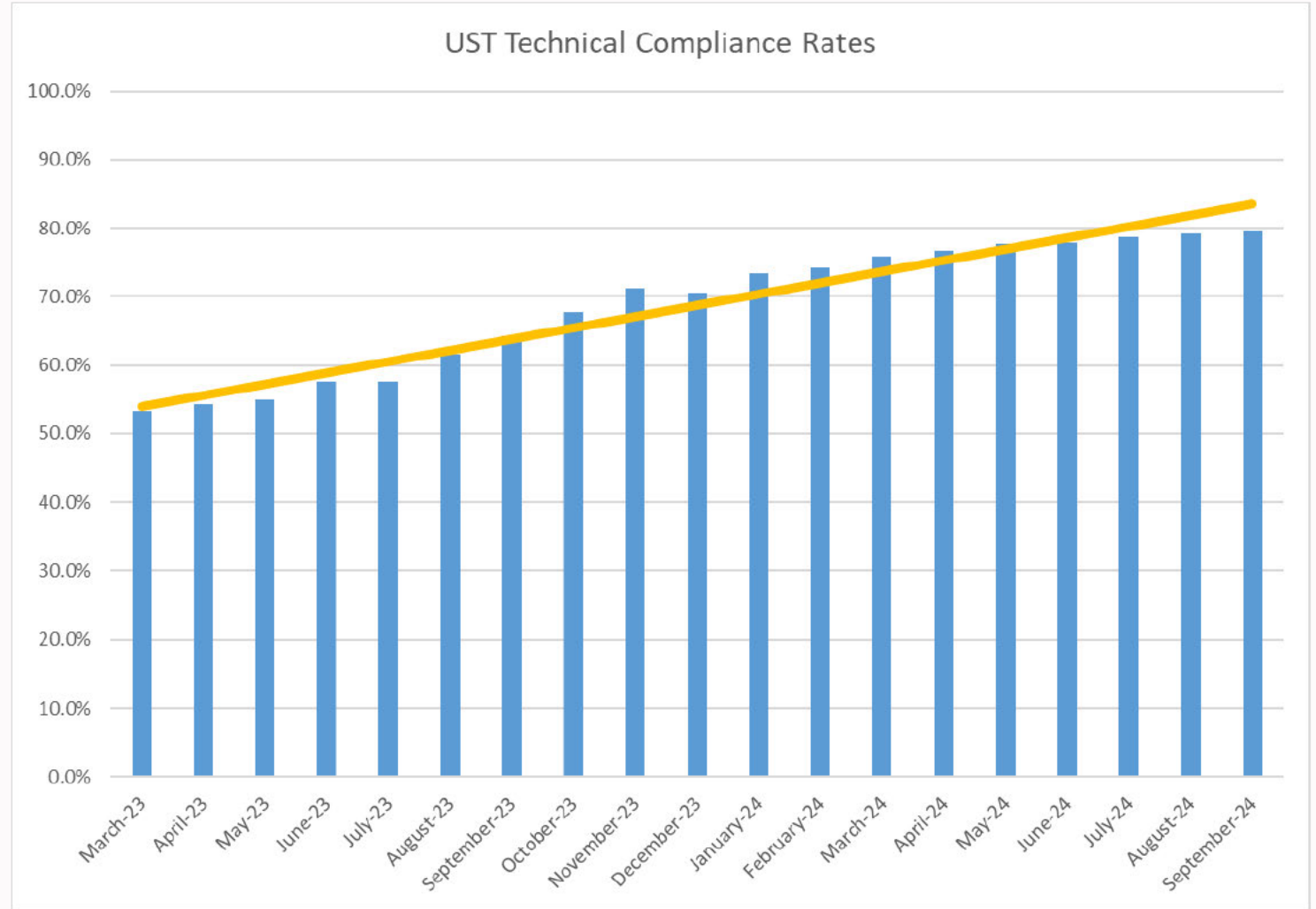
Total AST/UST Tanks	39,796	39,676	39,458	39,339	39,172	38,820	38,694	38,663	38,432	38,241	38,158	-4.12%	-2.59%	-0.71%
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Program Statistics

UST Technical Compliance Rates
continue to trend upwards month-
by-month.

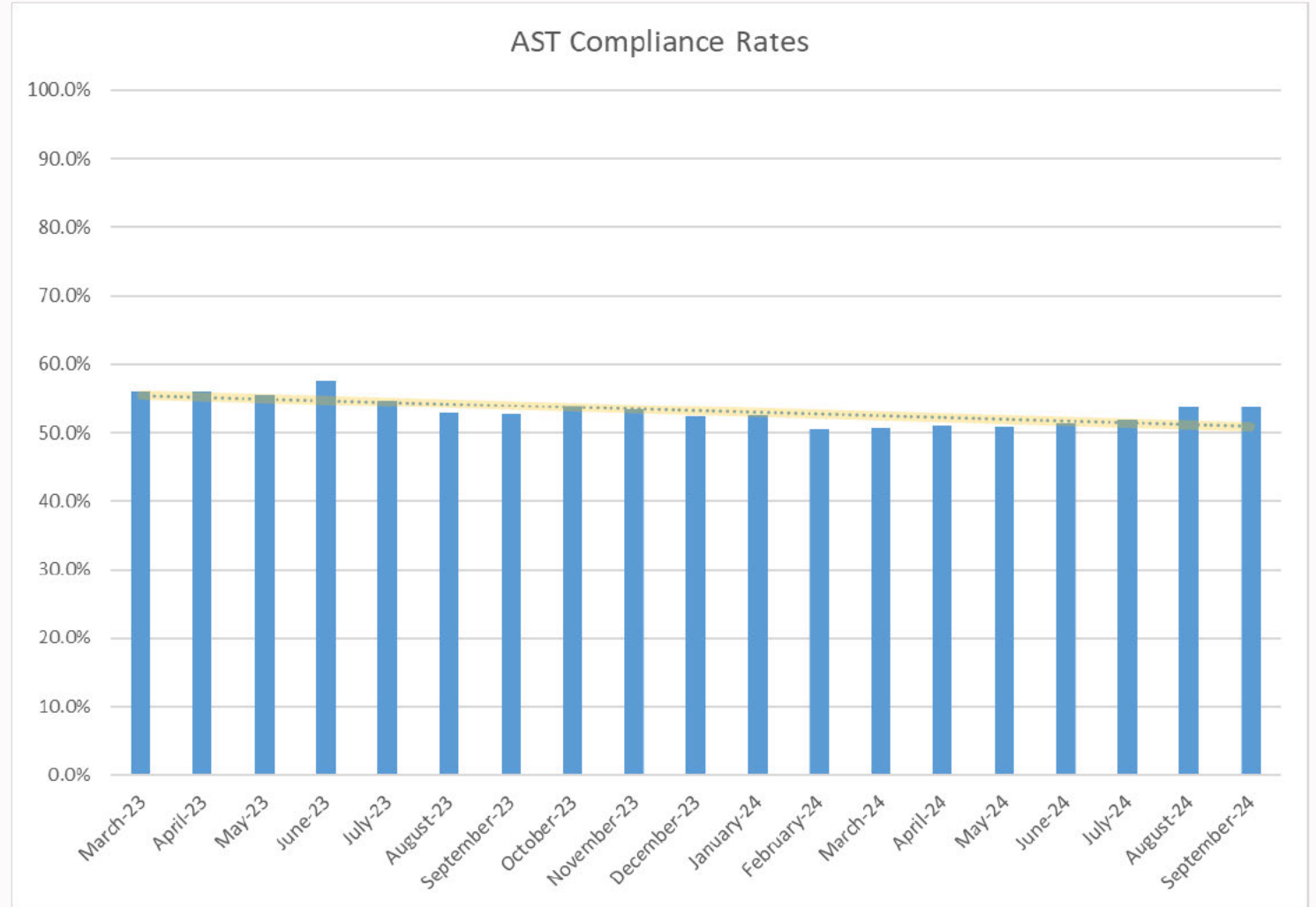




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Program Statistics

AST compliance rates have stayed mostly flat just over 50%, with a slight downward trend.



AST Compliance Rates

- Majority Violations: Routine Maintenance
- Planned Solutions:
 - Annual AST Operator Training Seminar
 - Pre-inspection Communication/Checklist
 - Updated eFACTS Violation Codes
 - Tracking Compliance Trends



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DEP Updates

- Technical Guidance Document Updates
 - Closure Requirements for Aboveground Storage Tank Systems (263-4200-001)
 - Published as FINAL in *PA Bulletin* August 24, 2024
 - Closure Requirements for Underground Storage Tank Systems (263-4500-601)
 - Published as FINAL in *PA Bulletin* October 5, 2024



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DEP Updates

- DEP Form Updates
 - Aboveground Storage Tank System Closure Report Form (2630-FM-BECB0514)
 - Underground Storage Tank System Closure Report Form (2630-FM-BECB0159)



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PFOS/PFOA Tanks



- Reported to Date:
33 Tanks at 23 Facilities
- Refineries, Bulk Plants, Airports
- Construction Code, Containment



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PFOS/PFOA Tanks



**Pressurized by City
Water**



**ASME Section VIII
175 PSI**



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PFOS/PFOA Tanks



NOT Pressurized



**ASME Section VIII
175 PSI**



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Robotic Lining Inspections

- Introduction to In-Service Robotic Tank Inspections by Square Robot
 - Ross Jarvis, Square Robot
 - E. Alex Eckman, Aboveground Storage Tank Unit Chief



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Robotic Lining Inspections

- State of DEP Position on In-Service Robotic Tank Inspections
 - Out-of-Service Inspections
 - Lining Inspections



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STAC Business

Old Business – Chairperson



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STAC Business

New Business – Chairperson

- Public Comment
- Election of Officers – Nominating Committee Report
- Election of Officers



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STAC Business

New Business (*continued*) – Chairperson

- Approval of Meeting Dates for 2025
 - Wednesday, March 5
 - Wednesday, June 4
 - Wednesday, September 3
 - Wednesday, December 3
- Adjourn - Chairperson



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Get In Touch

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The Department of Environmental Protection's mission is to protect Pennsylvania's air, land and water resources and to provide for the health and safety of its residents and visitors, consistent with the rights and duties established under the Environmental Rights Amendment (Article 1, Section 27 of the Pennsylvania Constitution).