

Boyertown Landfill HSCA Site Informational Session

12/10/2025

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Pennsylvania
Department of
Environmental Protection

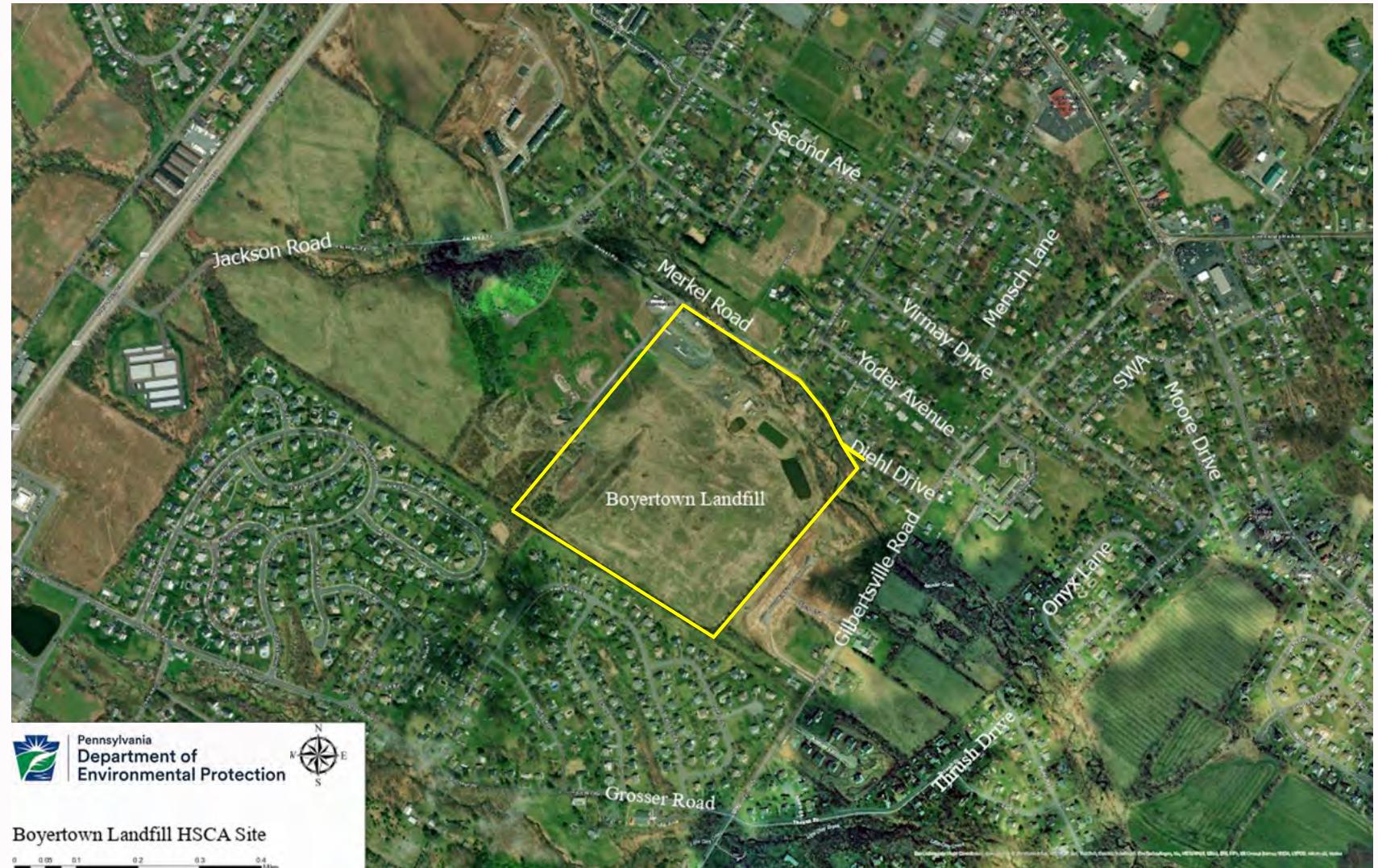
Agenda

Topics:

- History of Boyertown Landfill
- Per and Polyfluoroalkyl Substances (PFAS)
- Private Well Sampling
- Interim Response
- EPA Superfund Evaluation
- Ways to Stay Informed
- Questions and Answers



Boyertown Landfill



History

Old Landfill:

- Began operations in the 1950s
- Municipal, residual, and hazardous wastes
- Closed in 1987; poorly maintained by owner
- DEP took actions in early 2000s, and 2010s
- In 2019, DEP sampling detected PFAS at landfill

What are PFAS?

Per and Polyfluoroalkyl Substances:

- Widespread use for decades:
 - Consumer products (textiles, food packaging)
 - Industrial processes
 - Firefighting foams
- Man-made - slow to break down
- Typically found as mixtures

Initial Sampling

Initial PFAS Private Well Sampling:

- Sampling in 2019 and 2020
- Adjacent to the Landfill
 - 28 homes
 - No exceedances of applicable standards

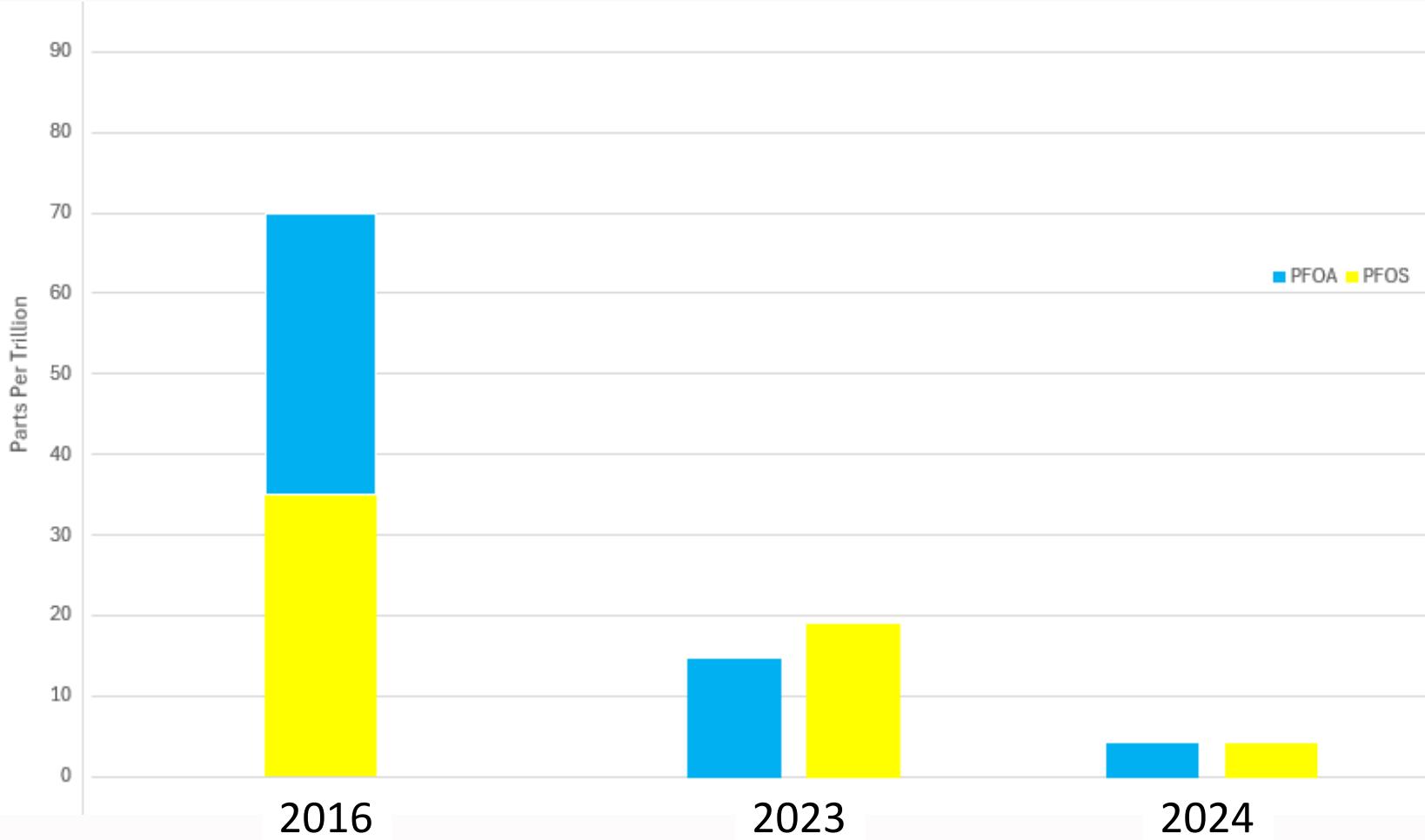
Initial Sampling



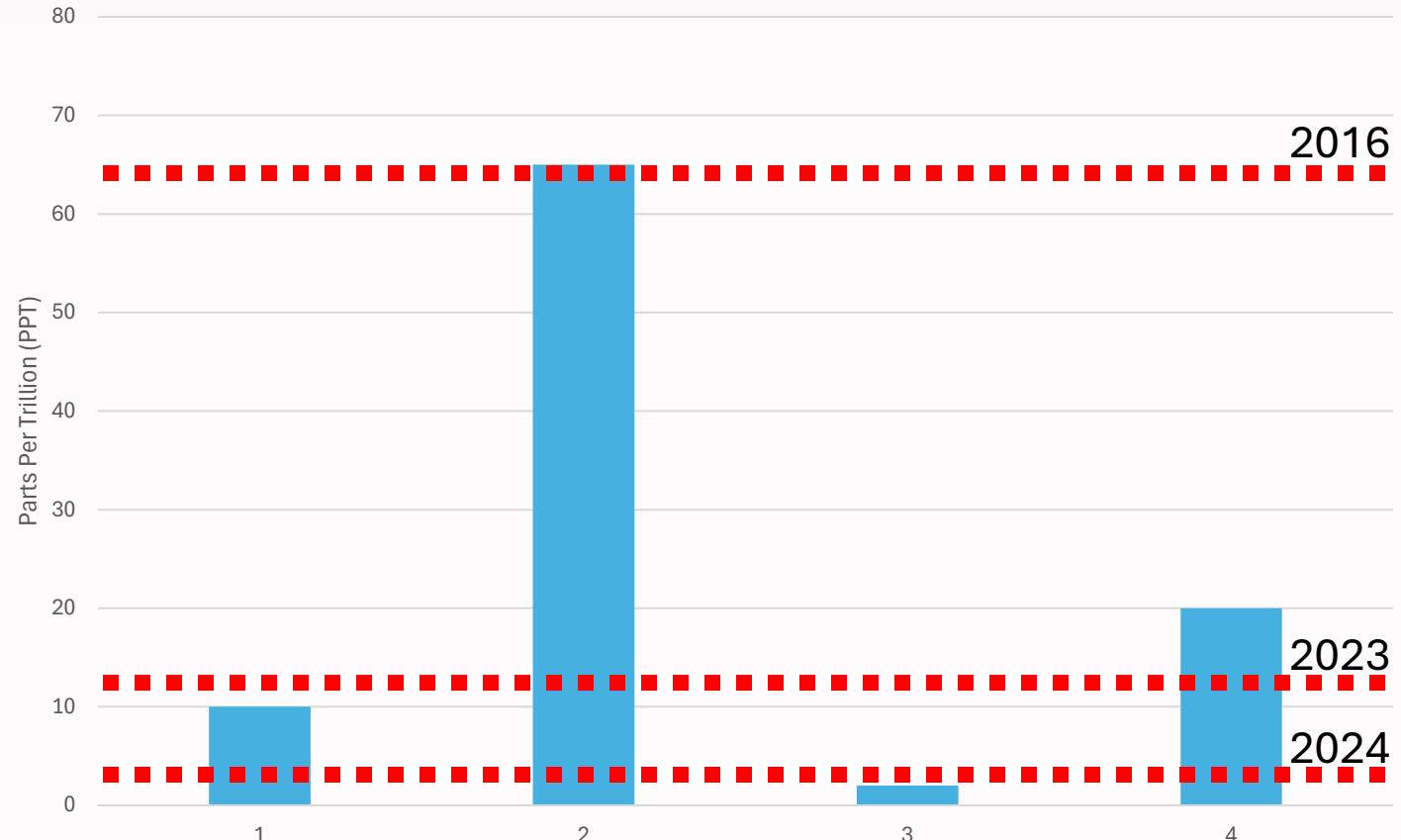
Changing PFAS Standards

Perfluorooctanoic Acid
(PFOA)

Perfluorooctanesulfonic
Acid (PFOS)



Changing PFAS Standards



PA Standard Sampling

May 2023 – April 2024





EPA Standard Sampling

April 2024 – May 2025



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Private Well PFAS Sampling Results 2019 - 2024

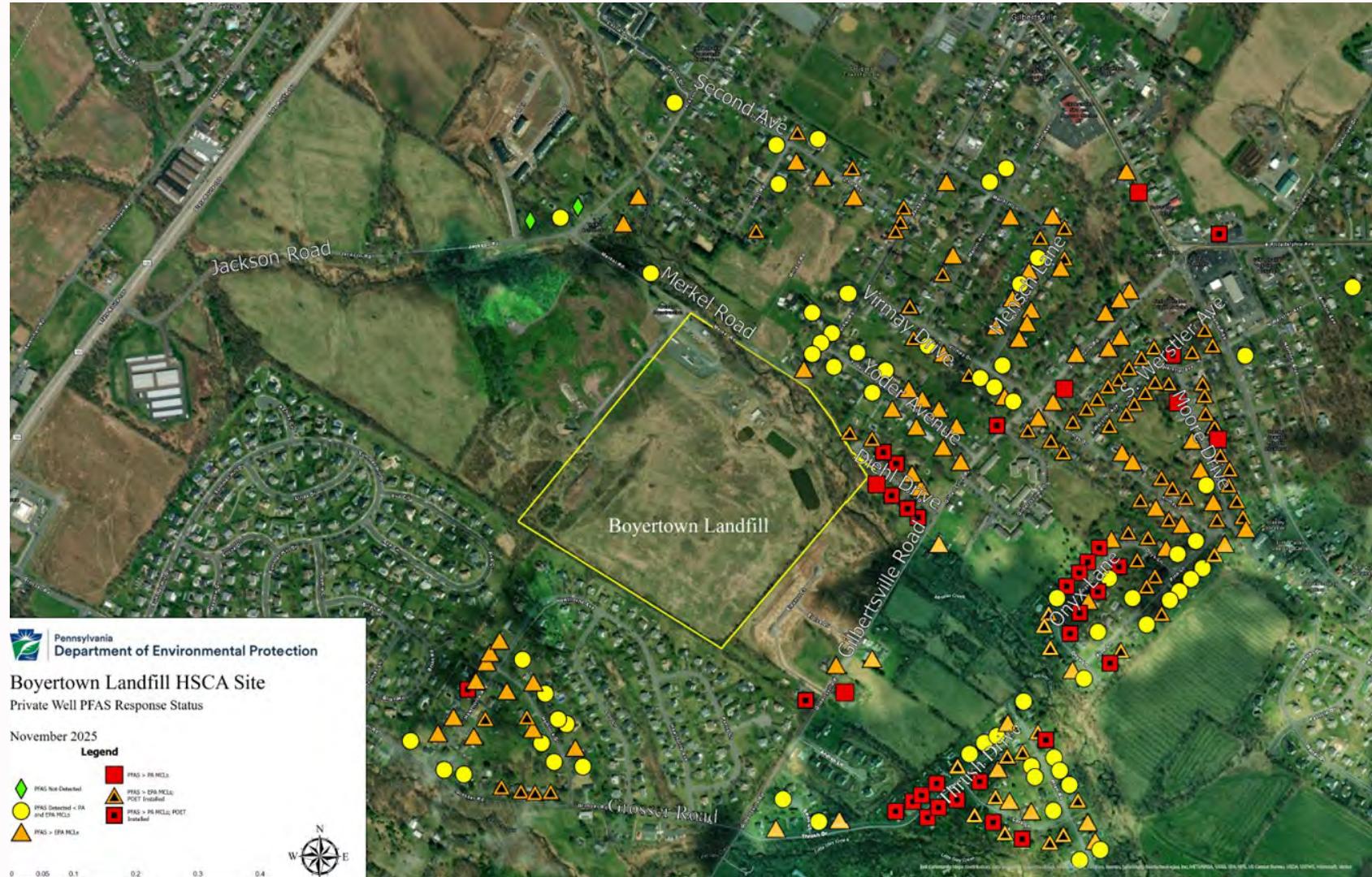
Legend

- Net Detected
- Detected Below MCL
- PFAS
- Exceeds MCL
- Exceeds MCL & DEP
- Exceeds MCL & DEP & DEP
- Exceeds MCL & DEP & DEP
- Exceeds MCL & DEP & DEP

0.05 0.1 0.2 0.3 0.4 Miles

Current Status

May 2025 – Present



PFAS Detections

Major Types of PFAS Exceeding Standards:

- PFOA – textiles, foams; 4 ppt standard
- PFOS – textiles, foams; 4 ppt standard
- PFNA - lubricants, foams; 10 ppt standard
- Differing areas of highest concentration:
 - PFOA: Southeast of Landfill
 - PFOS: East of Landfill
 - PFNA: Northeast of Landfill



Distribution of PFAS

PFOA



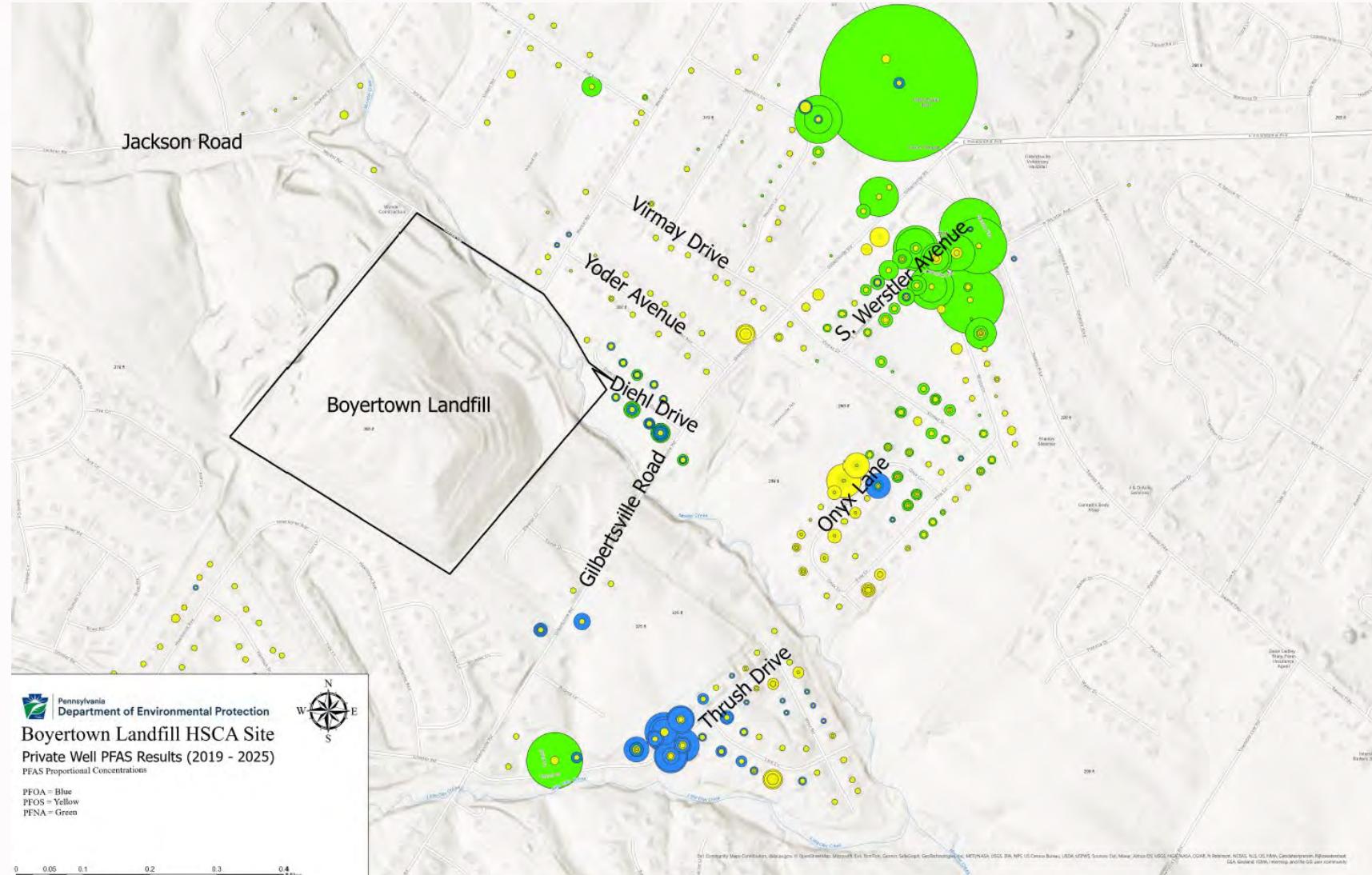
PFOS



PFNA



Bigger = higher concentration



Interim Response

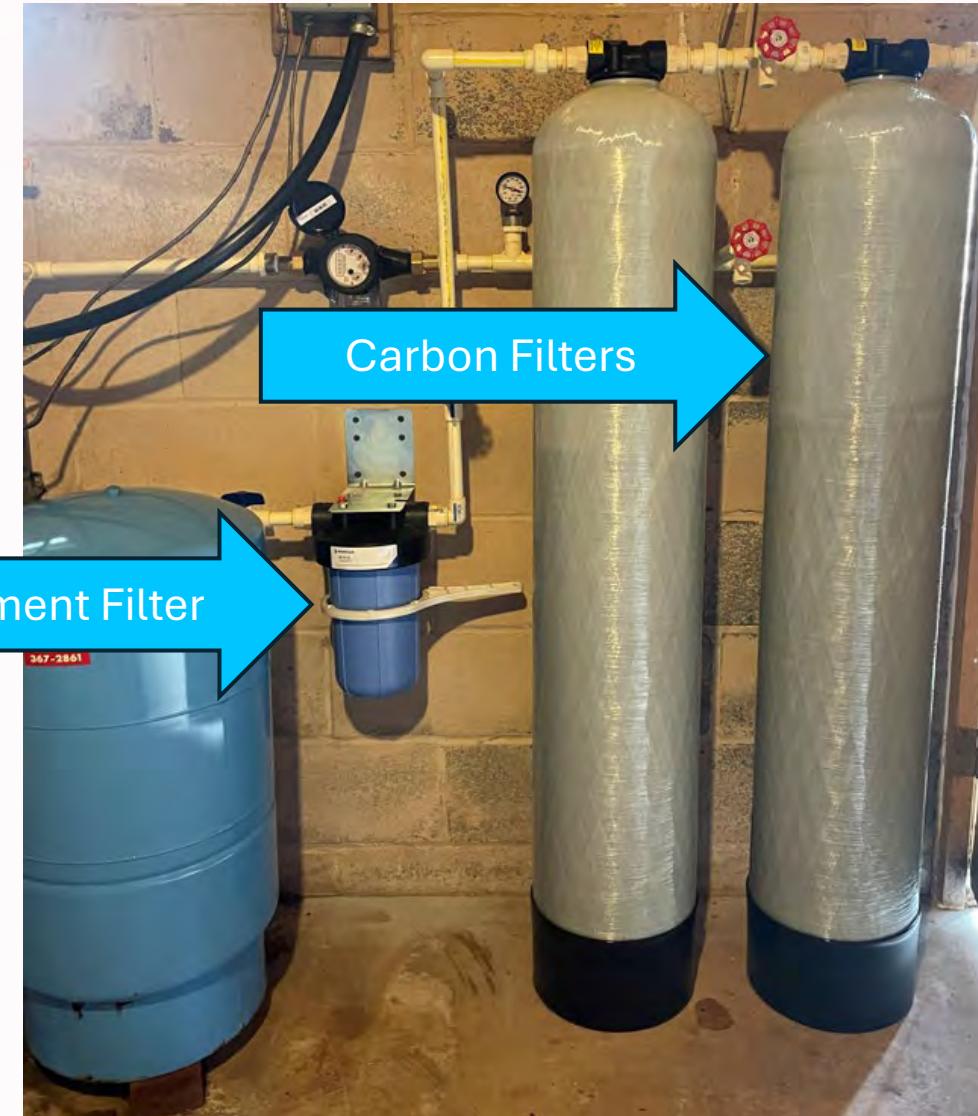
Prompt Interim Response (2023):

- June 2023 Public Hearing
- Point-Of-Entry Treatment (POET) System:
 - Treats all water entering a home
 - Activated Carbon
 - DEP maintains until permanent response



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Interim Response



Next Steps

Next Steps:

- Continued Private Well Sampling
- Additional POET Installations
- Investigation of Potential Additional Sources
- EPA Superfund Evaluation

Stay Informed

Website:

- Search DEP.pa.gov > Search “Boyertown Landfill” - Past reports and current sampling data

Sign up for email updates:

- ra-ep-seroecb@pa.gov

<https://www.pa.gov/agencies/dep/about-dep/regional-office-locations/southeast-regional-office/southeast-community-information/boyertown-landfill-hsca-site>



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