

# Boyertown Landfill HSCA Site Informational Session

12/10/2025





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# 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





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# Boyertown Landfill





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# 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





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# 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





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# Initial Sampling



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## Results of November 2020 Residential Well Sampling

### Combined PFOA & PFOS Concentration (ng/L):

- Below Detection Limit
- Above Detection Limit – 20
- 21 - 40
- 41 - 69

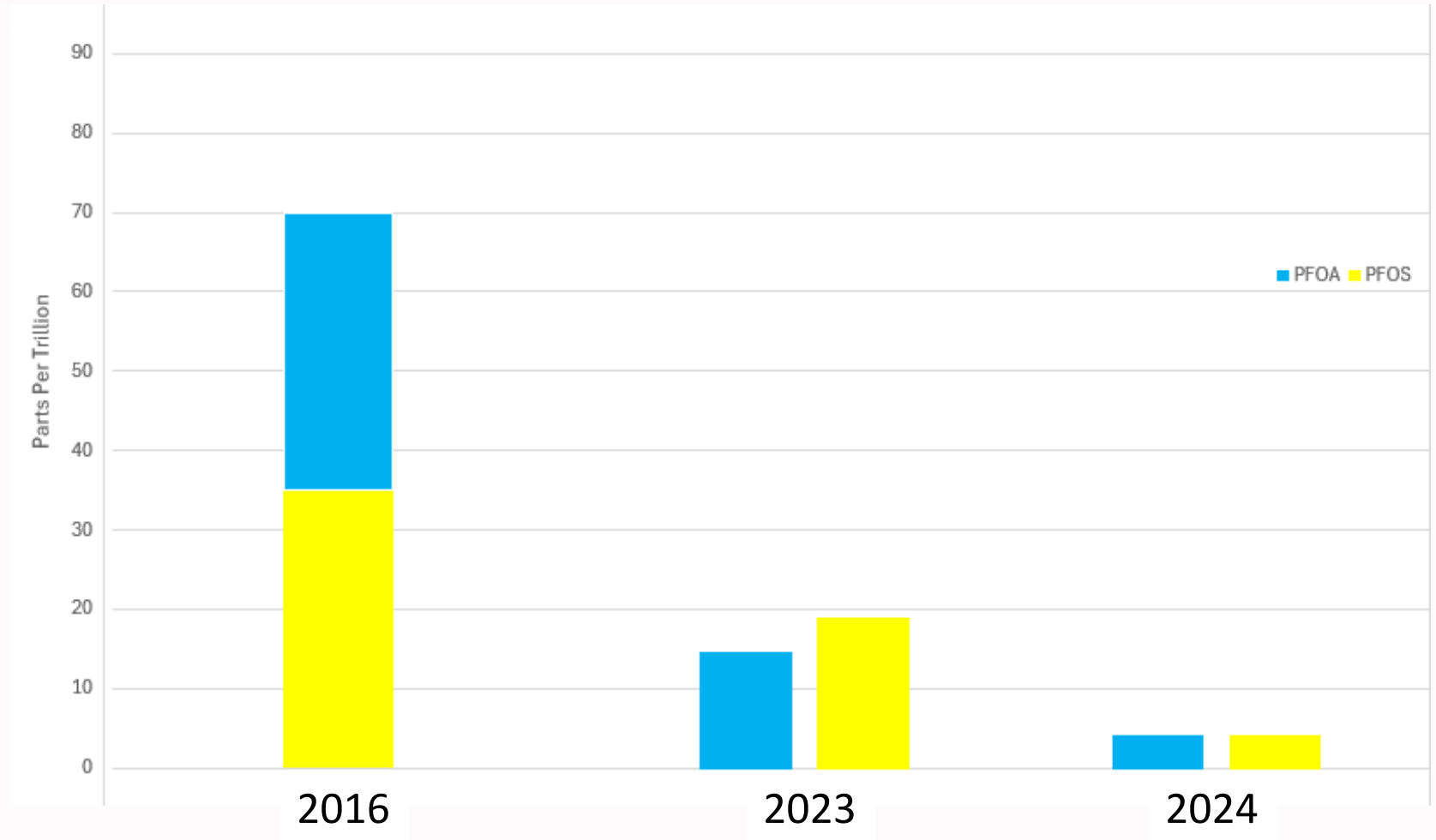


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# Changing PFAS Standards

Perfluorooctanoic Acid  
(PFOA)

Perfluorooctanesulfonic  
Acid (PFOS)

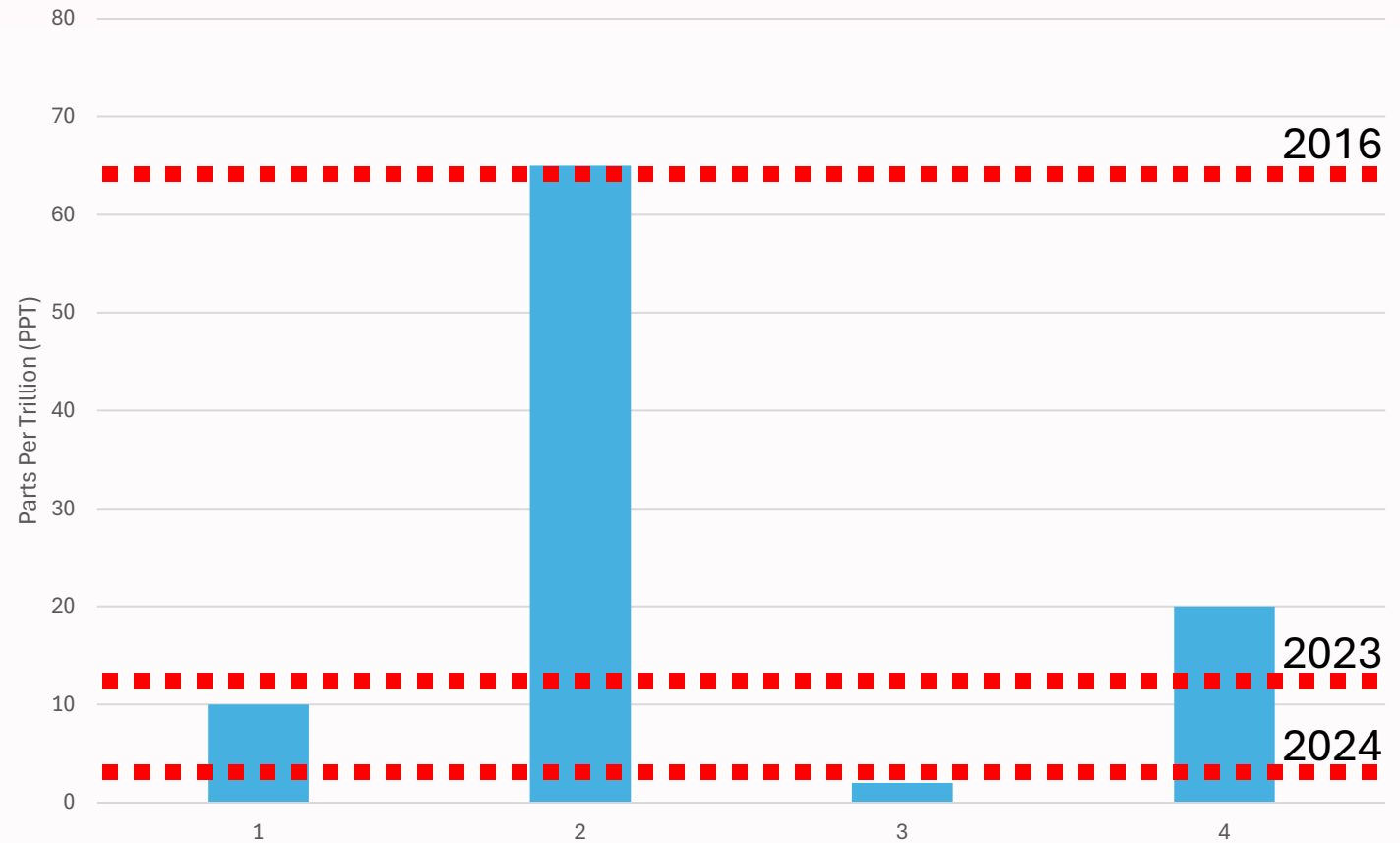






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# Changing PFAS Standards





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# PA Standard Sampling

May 2023 – April 2024







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# EPA Standard Sampling

April 2024 – May 2025



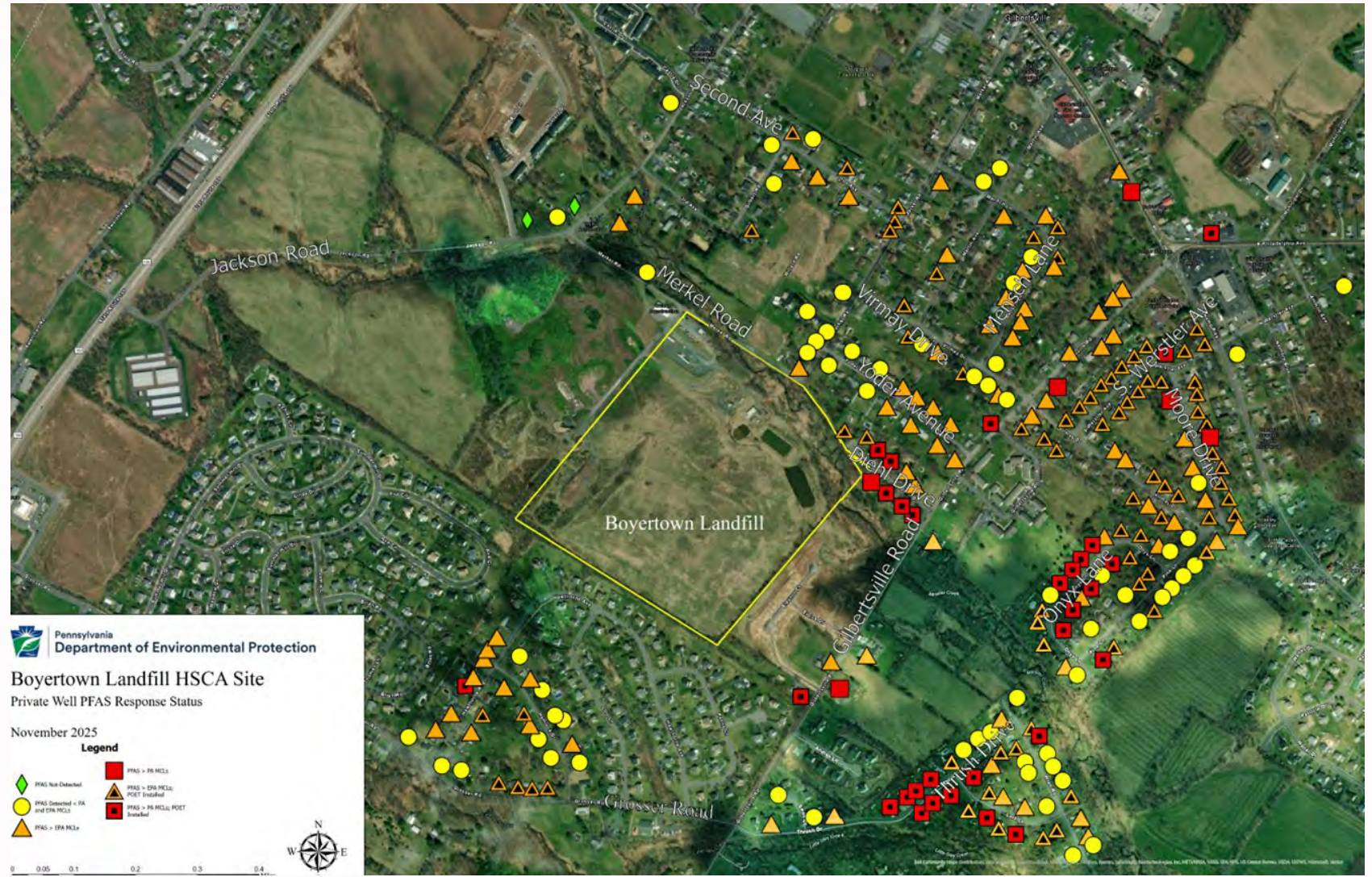




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# Current Status

May 2025 – Present





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# 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






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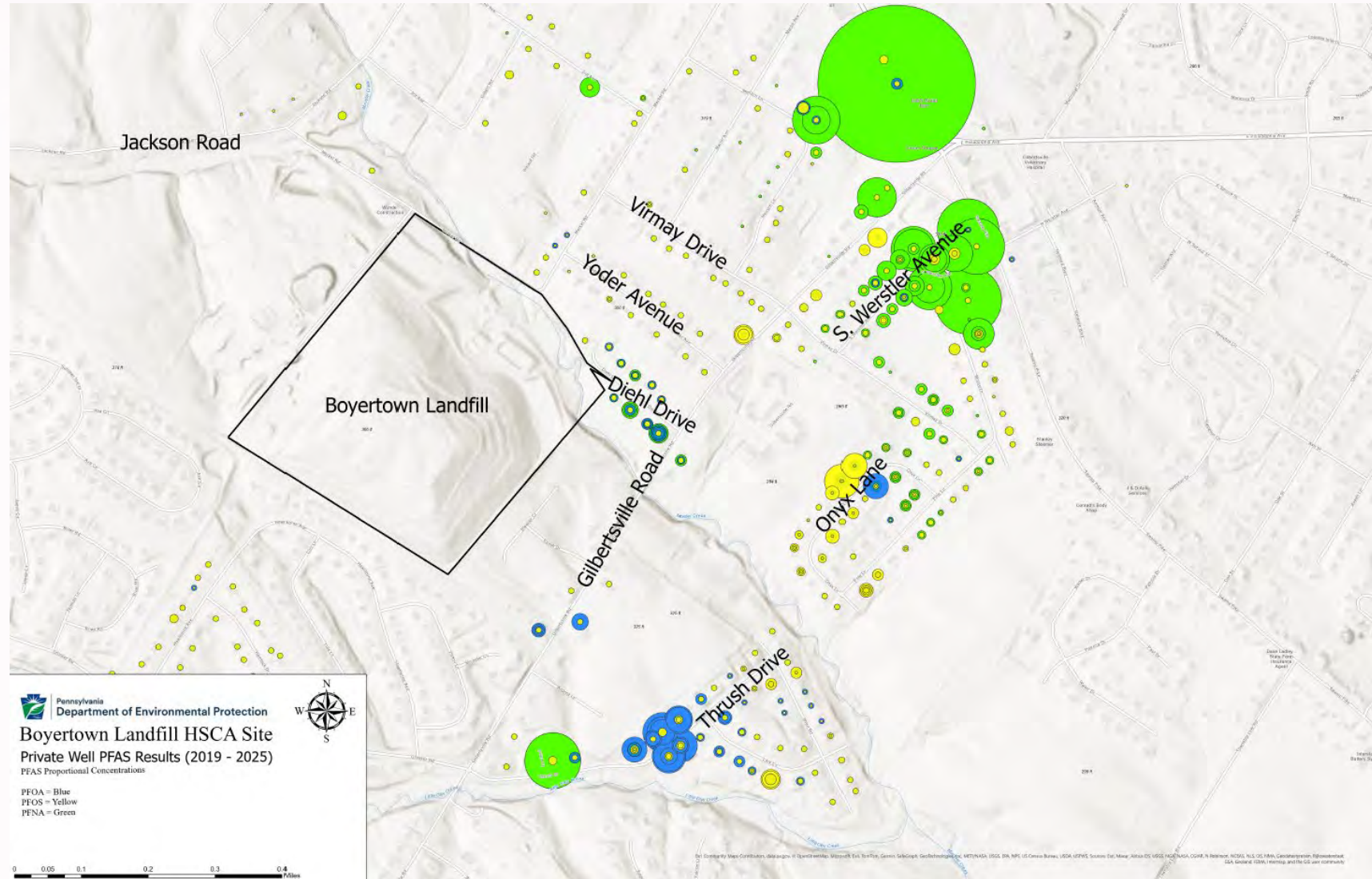
# Distribution of PFAS

PFOA 

PFOS 

PFNA 

Bigger = higher concentration





# Interim Response

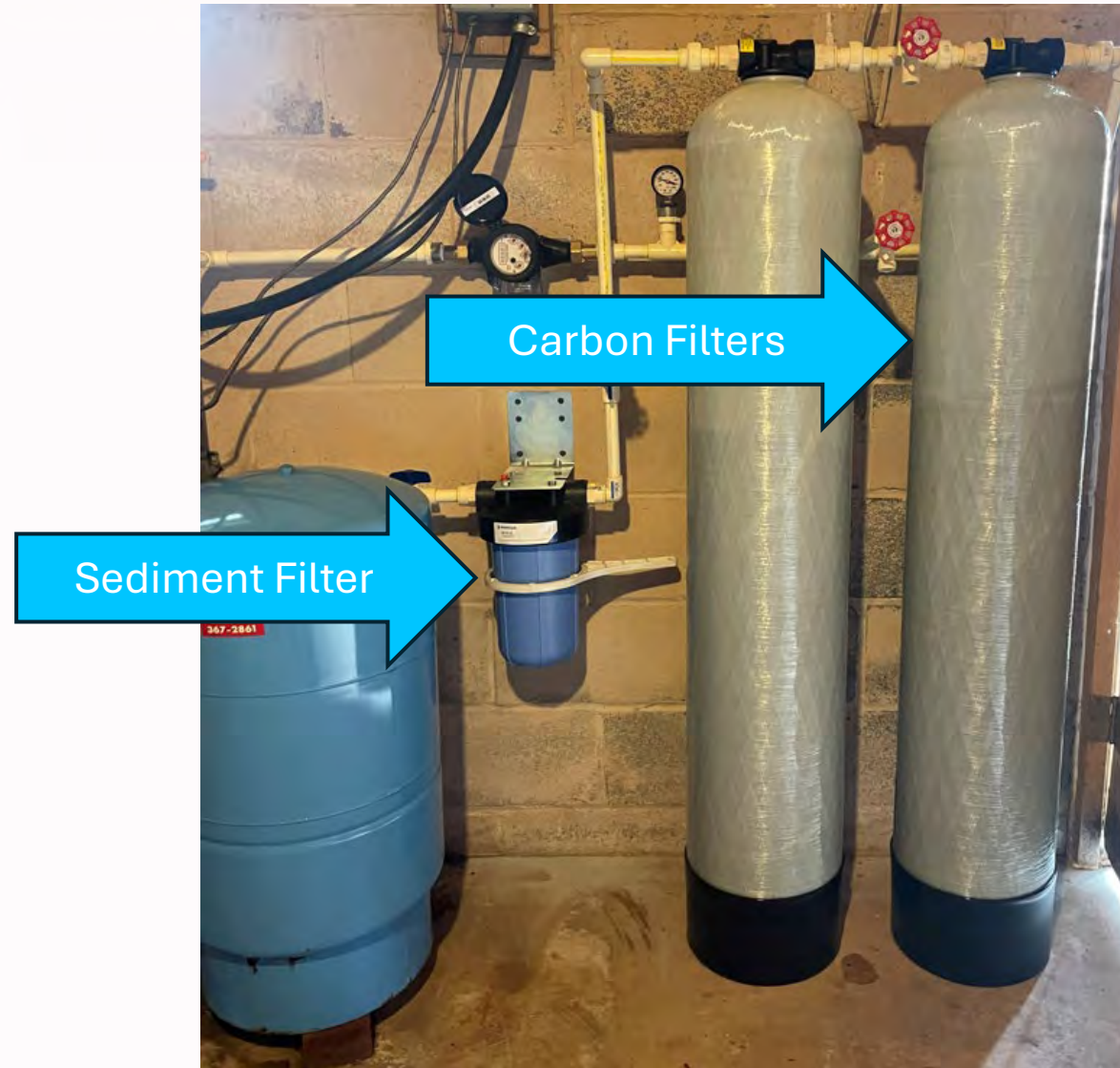
## Prompt Interim Response (2023):

- 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





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# Next Steps

## Next Steps:

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





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# 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](mailto: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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