







Bureau of Environmental Cleanup & Brownfields

# Boyertown Landfill HSCA Site

Douglass Township

Montgomery County

Public Meeting and Hearing

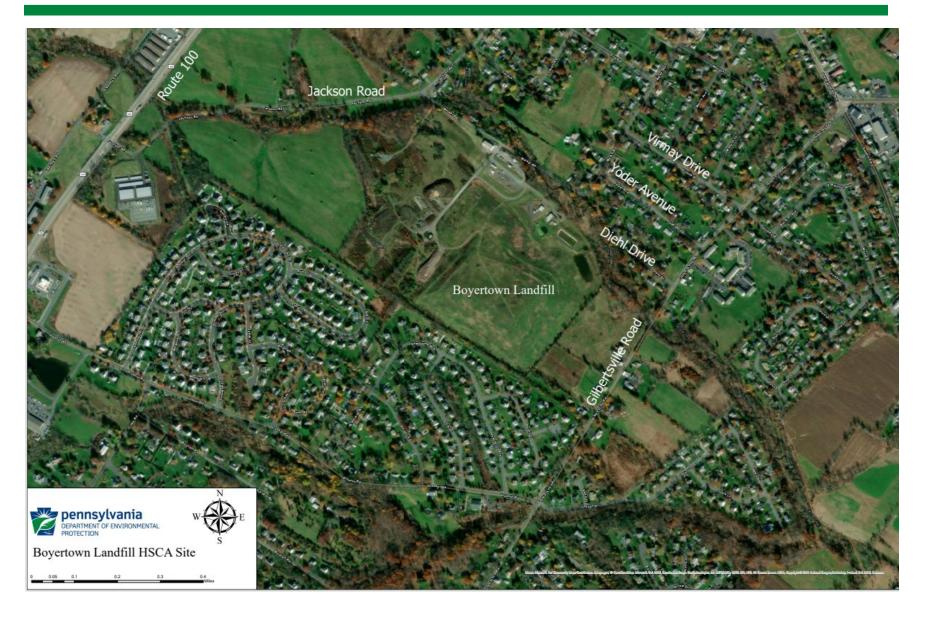
June 21, 2023

## Agenda

- Site Background
- What are PFAS?
- PFAS Investigation
- Prompt Interim Response
- Next Steps
- Informal Question and Answer
- Formal Hearing



# Site Background



## Site Background

- Boyertown Landfill operated for decades before being closed in 1986.
- The Landfill owner was required to perform longterm and maintenance.
- Since 2000, DEP has performed actions to mitigate acute issues at the Landfill under Hazardous Sites Cleanup Act (HSCA).
  - Leachate Interceptor Trench, groundwater sampling.
- In 2019, DEP sampled for PFAS at the Site.



## What are PFAS?

- Per and polyfluoroalkyl substances
  - Found in:
    - Aqueous fire fighting foam
    - Manufacturing processes
    - Many consumer products
      - Water and resistant textiles
      - Food packaging
  - Emerging Contaminants
    - Science and regulations are evolving
    - Not historically sampled for in drinking water





## **PFAS Investigation**

- Spring 2019 Sampling:
  - PFAS detected in leachate & surface water at the Landfill.
- Fall 2019 Sampling:
  - PFAS detected in residential wells surrounding the Landfill.
- Fall 2020 Sampling:
  - PFAS detected in groundwater at the Landfill.
  - PFAS detected in additional residential wells.
- May 2023 Sampling:
  - PFAS detected in additional residential wells.

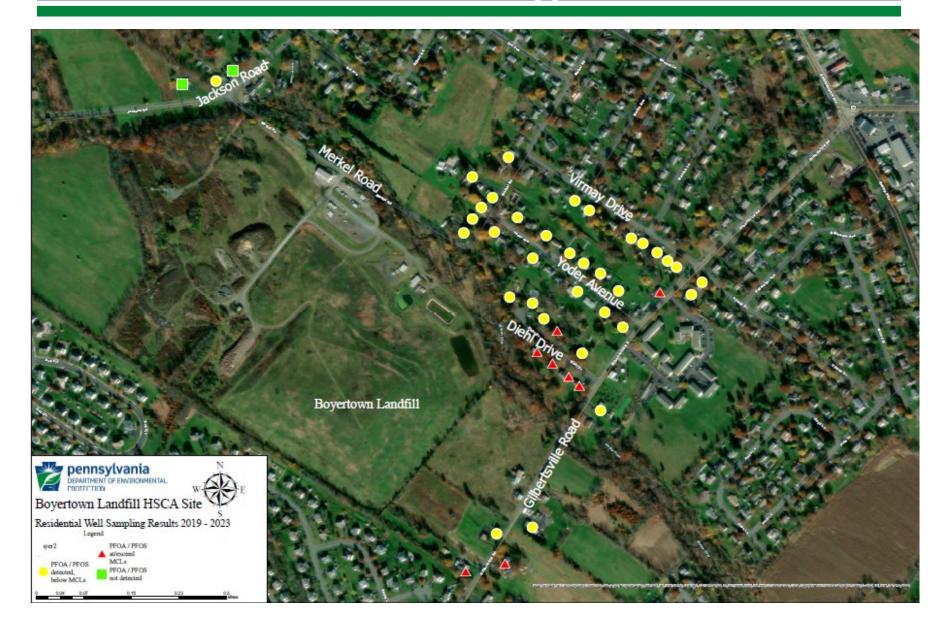


#### **PFAS Investigation**

- Pennsylvania Drinking Water Standards:
  - Drinking water results collected in 2019 2020 were compared to 2016 Lifetime Health Advisory Levels established by USEPA.
  - In 2019, DEP began working on developing enforceable drinking water regulations for PFAS.
    - Known as Maximum Contaminant Levels (MCLs)
  - In January 2023, DEP finalized MCLs:
    - perfluorooctanoic acid (PFOA) = 14 ppt
    - perfluorooctanesulfonic acid (PFOS)= 18 ppt



# PFAS Investigation



#### Prompt Interim Response

#### A Prompt Interim Response Action under HSCA is a:

- A response that DEP may take <u>before</u> the development of an Administrative Record.
- Based on a reasonable belief that prompt action is required to protect public health and safety or the environment.
- Public notice within 30 days of implementing the interim response.



## **Analysis of Alternatives**

Goal: to alleviate the threat to public health posed by PFAS in residential wells:

- Alt. 1: No Action
- Alt. 2: Bottled Water Delivery
- Alt. 3: Installation of Point of Entry Treatment (POET) Systems



#### **Evaluation Criteria**

- Protection of human health and the environment
- Compliance with applicable or relevant and appropriate requirements (ARARs)
- Feasibility
- Effectiveness
- Permanence
- Implementability
- Cost
- Community Acceptance



#### Proposed Response

#### **Installation of POET Systems**

- Protective, Effective, Compliant:
  - Ensures drinking water meets MCLs
- Easy and rapid implementation
- Cost effective



## Proposed Response Details

- Install POET Systems
- Provide bottled water until sampling results show POET systems are working;
- Perform maintenance of the POET systems, as necessary;
- Install additional POET systems, as necessary.



#### **POET Systems**



- Two carbon tanks
  - Sediment Filter
  - Water meter
  - Pressure gauge
  - Sampling ports



#### Next Steps

- Continued maintenance of POET systems.
- Additional drinking water sampling for PFAS.
- Installation of new POET systems for any additional wells that exceed the MCLs.
- Evaluation of a final response action for drinking water.



#### Informal Question and Answer

# Your questions during this time are not being recorded



#### **Public Hearing**

#### Ground Rules:

- Clearly state your first & last name before you begin. You will have 3 minutes to provide testimony.
- This hearing is designed to take public testimony. DEP will not respond to questions during the hearing.
- Comments provided in writing will be given equal consideration to those provided orally.
- DEP will review all public comments & prepare a written comment and response document that will be made public.











Bureau of Environmental Cleanup & Brownfields

#### **Submit Written Comments to:**

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DEADLINE FOR COMMENTS: August 11, 2023