

Middle Spring Creek PFAS

Bureau of Environmental Cleanup and Brownfields
02/20/2025





Pennsylvania
Department of
Environmental Protection

PFAS

- Per- and polyfluoroalkyl substances is a group of substances not naturally found in environment
- “Forever Chemicals” - Slowly breakdown and can build up in environment and in living things.
- Many uses: food packaging, firefighting foam, clothing, and carpets
- Exposure can occur from contaminated food or water, using products containing PFAS, or breathing air that contains PFAS
- Some PFAS have been linked to cancer, high cholesterol, reproductive disorders, and weakened immune systems

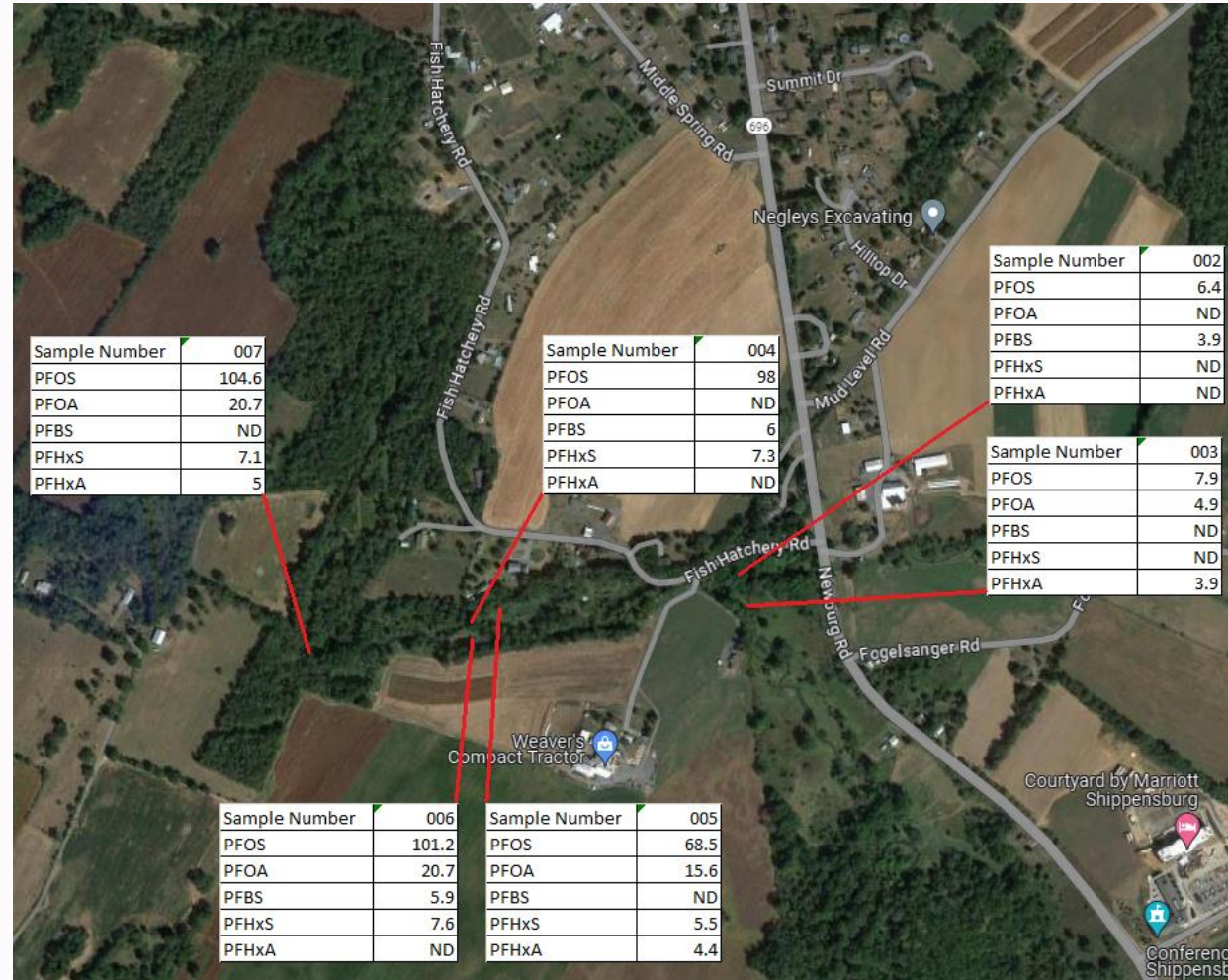


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Site History

- PA American Water sampled stream in August 2023
- PA American Water notified PADEP
- SCRO HSCA sampled stream in November 2023 and May 2024
- PFOA, PFOS, PFBS, PFHxS, and PFHxA found (as well as others in low amounts)
- PADEP sampled homes adjacent to Middle Spring Creek in 2024
- Found PFOS, PFOA, PFBS, PFHxS, PFHxA, PFHpA, PFDA, PFNA over MCLs
- SCRO HSCA providing bottled water to impacted residents

Surface Water Sample Locations



Middle Spring Creek in Southampton Townships in Cumberland and Franklin Counties – November 2023



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New Regulations

In 2024, EPA established Maximum Contaminant Levels (MCLs) for some compounds including PFOA, PFOS, PFHxS, PFNA, and PFBS in drinking water. PADEP adopted the MCLs for groundwater in 2024.



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MCLs

- PFBS – 2,000
- PFHxS – 10
- PFNA - 10
- PFOS – 4
- PFOA - 4

Values are in micrograms per liter ($\mu\text{g/L}$) also known as parts per trillion (ppt).



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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).