

# Horsham

# Water Quality Update

March 13, 2019

# Short Term Remediation Action Plan:

- Well 10 is on the public system using resin only. We are the first in PA with resin only going back into a public system.
- HWSA is reviewing the possibility of shutting down Well 21 due to Well 22 being back on-line
- Well 7 Feb. 20th test result: 15.1 ppt combined
- North Wales Water Authority: 1.1 mgd; 4.3 ppt combined (Sept. 2018 test result)
- Aqua PA interconnect Feb. 2nd test result: 11.2 ppt combined
- Well 9 is back on-line. Feb. 20th test result: 7.4 ppt combined.

# Long Term Remediation Action Plan:

- “Group 1” permanent treatment systems at Wells 2, 20 and 22:
  - Well 22 went back on line the week of March 4th.
  - Well 20: scheduled for start up testing the week of March 11th.
  - Well 2: equipment is all in place. Waiting for the aeration building to arrive.
- “Group 2” permanent systems include Wells 4 & 19 and the Aqua Interconnect:
  - Wells 4 & 19: construction active at both sites. Substantial completion by the end of May.
  - Aqua Interconnect: contractor will be mobilized by the end of March.
- All main extensions are complete
- NWWA interconnection on County Line Rd is operational.

- Private Wells:

- One new private well tested above LHAL, total is now at 97 for drinking water wells & 7 for non-drinking water wells (Navy - 99 and NGB - 5)
- 90 have been connected to the public system
- Another 5 are in the progress of being connected.
- Two property owners have rejected the offer to be connected.
- Two property owners have not responded.

- Park Creek Treatment Plant Wastewater:

- Effluent monitoring results averaging 25 ppt combined.

## **Navy Stormwater Management Update**

### **Navy PFAS Soil Removal Action**

- Sites have been filled with clean soil.
- Navy reviewing options of what to do with contaminated soil.

### **Navy Plan for Pilot Plants**

- Navy moving forward
- Work plan has been commented on by EPA and PADEP
- Goal is to have the first pilot plant operational by early summer

# Other Efforts and Meetings:

- PA Dept. of Health results of blood testing
- U.S. House PFAS Task Force
  - Meeting held on March 6th
- Governor Wolf's PFAS Action Team
  - 2nd meeting to be held in April
- HWSA lawsuit against foam manufacturers
- Restoration Advisory Board meetings
  - Next meeting is on March 14th at 6pm at the Horsham Township Library
- Senator Collett's PFAS bills
- Federal Delegation: Casey, Toomey, Fitzpatrick, Dean and Boyle have requested DOD & EPA to visit PA to provide an update

# Blood Testing & Health Study:

- PA Dept. of Health results of blood testing
  - Completed in Dec. 2018
  - Initial Letters response rate was 46% (276/600 households)
  - Actual participants response rate was 40% (235/584 participants)
  - Participants represented 118 households of the 276 who responded
  - Tested for 11 PFAS compounds
  - Average PFAS blood levels were higher compared to national level
  - Entire PADOH presentation is available on the HWSA website

# Blood Testing & Health Study:

- ASTDR National Exposure Assessments
  - Study eight communities across the country with exposure to PFAS
  - Will fund a few additional activities related to the pilot exposure assessment in Bucks and Montgomery Counties
  - Studies are expected to begin 2019 and continue through 2020
  - Will lay the groundwork for a nationwide health study



# Blood Testing & Health Study:

- CDC/ASTDR Competitive Multi-site Health Study Grant
  - PA DOH will be applying for the Multi-Site Study grant for the Horsham/Warminster/Warrington area
  - Six sites will be selected. Site selection will be based on criteria that allow ATSDR to create the most robust scientific study possible
  - Grants will range from \$500,000 to \$3 million
  - Recipients must test 1,000 adults and 300 children
  - Grants are due May 10th and recipients have one year to complete the study
  - Horsham's support and partnership with PADOH:
    - Support letter for grant application
    - Consultation for historical reconstruction
    - Community outreach for recruitment, meetings, etc.
    - Meeting space and temporary office

# Recap of Drinking Water Efforts:

- Currently, approximately 87% of water serving the public system is either filtered or supplied by NWWA.
- As of this update, the system-wide average in the public system is approximately 4 ppt combined. This is an average that is determined using a mass calculation formula.
- Horsham Township continues to achieve more stringent water quality standards than those set by EPA and DEP.