

Horsham

Water Quality Update

June 12, 2019

Short Term Remediation Action Plan:

- Well 10 is on the public system using resin only.
- HWSA has shutdown Well 21
- Well 7 May 2019 test result: 14.7 ppt combined
 - April 2019 test result: 8.3 ppt combined
 - March 2019 test result: 10.0 ppt combined
 - Feb. 2019 test result: 15.1 ppt combined
- North Wales Water Authority: 850,000 to 900,000 mgd; 6.4 ppt combined (Jan. 2019 test result)
 - 4.3 ppt combined (Sept. 2018 test result)
- Aqua PA interconnect May 8th test: 10.8 ppt combined
 - March 18th test: 10.8 ppt combined
 - March 4th test result: 11.0 ppt combined
 - Feb. 2nd test result: 11.2 ppt combined
- Well 9 May 2019 test result: 8.1 ppt combined.
 - April 2019 test result: 9.2 ppt combined
 - Feb. 2019 test result: 7.4 ppt combined.
- Use of wells 7 & 9 to be phased out as new treatment systems go on line

Long Term Remediation Action Plan:

- “Group 1” permanent treatment systems at Wells 2, 20 and 22:
 - Well 20 and 22 in service.
 - Well 2: Waiting for test results for operations permit.
- “Group 2” permanent systems include Wells 4 & 19 and the Aqua Interconnect:
 - Well 4: Waiting for test results for operations permit.
 - Well 19: Completing work then will be doing testing.
 - Aqua Interconnect: construction began in April.
- 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 98 for drinking water wells & 7 for non-drinking water wells (Navy - 100 and NGB - 5)
 - 90 have been connected to the public system
 - Another 4 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 24.5 ppt combined.
 - Influent monitoring result 28 ppt combined.

Navy Stormwater Management Update

Navy PFAS Soil Removal Action

- Have filled in the three sites with clean soil.
- Navy reviewing options of what to do with contaminated soil.

Navy Plan for Pilot Plants

- Have to drill two new wells
- Have to assemble the treatment system
- In the process of running electric to system from the Air Guard Station
- Hope to be operational by late summer

Navy Basins

- Connected via pipe two basins off Keith Valley Road.

Other Efforts and Meetings:

- U.S. House PFAS Task Force
 - Meeting held on March 6th
- Governor Wolf's PFAS Action Team meeting held on April 15th
- HWSA lawsuit against foam manufacturers
- Restoration Advisory Board meetings
 - Next meeting is on May 30th at 6pm at the Horsham Township Library
- Senator Collett's PFAS bills
- U.S. Senators Casey and Carper roundtable discussion held on April 8th & co-sponsors of "PFAS Action Act of 2019"
- Congresswoman Dean tour, press conference and round table discussion on May. 6th
- Congressman Fitzpatrick round table discussion on May 7th

Blood Testing & Health Study:

- PA Dept. of Health Pilot study completed in Dec. 2018
- ASTDR National Exposure Assessments
- 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
 - 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 3.7 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.