

Horsham

Water Quality Update

April 10, 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 has shutdown Well 21
- Well 7 March 6th test result: 10.0 ppt combined
 - Feb. 20th test result: 15.1 ppt combined
- North Wales Water Authority: 1.0 mgd; 6.4 ppt combined (Jan. 2019 test result)
 - 4.3 ppt combined (Sept. 2018 test result)
- Aqua PA interconnect March 4th test result: 11.0 ppt combined
 - 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: in start up testing mode; DEP Inspection occurred on April 3rd.
 - Well 2: Put in start up testing mode on April 2nd.
- “Group 2” permanent systems include Wells 4 & 19 and the Aqua Interconnect:
 - Well 4: Carbon scheduled to be delivered week of April 9th
 - Well 19: Carbon has been delivered
 - Aqua Interconnect: contractor mobilized, material has been delivered.
- 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)
- 88 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.
- 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
- Have to run 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
 - April 15th, 6pm to 9pm, Abington H.S. Auditorium
- 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
- Federal Delegation: Casey, Toomey, Fitzpatrick, Dean and Boyle have requested DOD & EPA to visit PA to provide an update
- U.S. Senators Casey and Carper roundtable discussion held on April 8th & co-sponsors of "PFAS Action Act of 2019"

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.