

Horsham

Water Quality Update

February 12, 2020

Short Term Remediation Action Plan:

- HWSA has shutdown Wells 7, 9, and 21. All three wells remain in active status in order to perform monthly sampling.
- North Wales Water Authority: 600,000 to 625,000 gpd;
 - 5.4 ppt combined (Nov. 2019 test result)
 - 2.1 ppt combined (Oct. 2019 test result)
 - 2.5 ppt combined (Sept. 2019 test result)
- Aqua PA interconnect: shutdown on Oct. 7th and next time it is turned on it will be filtered
 - Dec. 18th test: 8.6 ppt combined
 - Dec. 4th test: 10.5 ppt combined
 - Nov. 18th test: 9.1 ppt combined
- Well 10:
 - HWSA has received permission to install the 3rd anion exchange vessel to absorb the PFHxA.

Long Term Remediation Action Plan:

- Wells 2, 4, 19, 20 and 22 all in service with permanent treatment systems
- Aqua Interconnect: construction is on-going. Contractor is substantially completed. Start up testing has started. DEP inspection occurred on 1/17/2020. HWSA is awaiting sample results in order to submit the operations permit application.
- 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 100 for drinking water wells & 7 for non-drinking water wells (Navy - 102 and NGB - 5)
- Navy is in process of validating results of the new additional well before issuing the offer of connection.
- 91 have been connected to the public system
- Another 3 are in the progress of being connected.
- One property owner has accepted the offer to connect.
- 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 23.1 ppt combined.
- Influent monitoring March was result 28 ppt combined. May result was 26 ppt combined. August result was 18 ppt combined. December result was 18 ppt combined.

Navy Stormwater Management Update

Navy Plan for Pilot Pump and Treat Plants

- Hanger 680 Site:
 - In start-up test mode
 - Full operation expected early this year
- Horsham Road Site:
 - Draft work plan expected January 2020
 - Work plan incorporates improvements identified from Hanger 680 system

Storm Sewer Pipes

- Additional video of storm sewer pipes were completed. Storm sewer pipe work is scheduled to start in Spring 2020.
- Navy has taken samples from surface water and sediment on and off the Base as per their Surface Water Monitoring Sampling Analysis Plan and the July results were shared at the Dec. 4, 2019 RAB meeting. The October results are currently being validated.

Updates:

- **HWSA Lawsuit against fire fighting foam manufacturers:**
 - Case has been assigned to Federal Court in South Carolina
 - Complaint has been officially filed
 - Federal Judge and attorneys from both sides are reviewing informational requests from each side
- **CDC/ASTDR National PFAS Health Study**
 - Horsham/Warminster/Warrington one of seven sites nationwide to be selected to receive Federal funding
 - Horsham Township wrote letters of support, lobbied for funding and have committed Township resources for the study
 - PADOH, RTI International and Temple University will lead the study
 - Study will include blood samples from 1,000 adults and 300 children ages 4 to 17
 - Temple University enhanced study
 - Potential ties to increased cancer rates
 - Develop a historical exposure model
 - Horsham Township wrote letter of support and committed Township resources for the enhanced study
- **PA Dept of Health Testing Phase II**
 - Public Report will be available in March 2020
- **Military Installation Remediation and Infrastructure Authority (MIRIA)**
 - Board's first meeting was held on Feb. 6, 2020
 - Allows state taxes generated on specific parcels to be directed to MIRIA to assist in reimbursement of the cost to remediate the PFAS contamination

Recap of Drinking Water Efforts:

- Currently, **100%** 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 for PFOA/PFOS is **below detection levels (<2ppt)**. This is an average that is determined using a mass calculation formula.
- **HWSA has eliminated the PFC Surcharge on bills effective October 1, 2019.**
- Horsham Township continues to achieve more stringent water quality standards than those set by EPA and DEP.