

Horsham

Water Quality Update

November 13, 2019

Short Term Remediation Action Plan:

- Well 10 is on the public system using resin only.
- HWSA has shutdown Wells 7, 9, and 21. All three wells remain in active status in order to perform weekly sampling.
- North Wales Water Authority: 775,000 gpd;
 - 2.5 ppt combined (Sept. 2019 test result)
 - 2.6 ppt combined (July 2019 test result)
 - 6.6 ppt combined (June 2019 test result)
- Aqua PA interconnect: shutdown on Oct. 7th and next time it is turned on it will be filtered
 - Sept. 4th test: 9.1 ppt combined
 - Aug. 19th test: 28.0 ppt combined
 - July 15th test: 10.5 ppt combined
 - July 1st test: 11.0 ppt combined
 - June 17th test: 9.9 ppt combined

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 expected to be substantially complete in November then will enter DEP permit requirements. Hope to have back in service to the public system in early next year
- 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 99 for drinking water wells & 7 for non-drinking water wells (Navy - 101 and NGB - 5)
- 91 have been connected to the public system
- Another 3 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 19 ppt combined.
- Influent monitoring March was result 28 ppt combined. May result was 26 ppt combined. August result was 18 ppt combined.

Navy Stormwater Management Update

Navy Plan for Pilot Pump and Treat Plants

- Hanger 680 Site:
 - Pilot test treatment system completed on schedule
 - Start-up test identified mechanical and analytical improvements
 - Full operation expected by early December 2019
- Horsham Road Site:
 - Draft work plan expected January 2020
 - Work plan incorporates improvements identified from Hanger 680 system

Storm Sewer Pipes

- Storm sewer pipe work is scheduled to start this month (November) and is expected to be complete by the end of December.
- 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 results are currently being validated.

Updates:

- **Horsham Township letter to Navy and National Guard Bureau to test soils at the Strawbridge Park**
 - **Navy responded and declined**
 - **No response from the National Guard Bureau**
- **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**
- **House Bill 1410**
 - **Would redirect state tax revenue to pay for the costs of the water contamination**
 - **Has passed the House and is now in the Senate**
 - **Rep. Todd Stephens updated Council on Nov. 4th**

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 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.