

Horsham

Water Quality Update

August 12, 2020

Short Term Remediation Action Plan:

- Wells 7, 9, and 21 are shutdown but remain in active status for emergency use and in order to perform monthly sampling.
- North Wales Water Authority: 652,774 gpd;
 - Non-detect (June 2020 result)
 - Non-detect (May 2020 result)
 - 2.4 ppt combined (April 2020 result)
- Aqua PA interconnect:
 - June 15 test: non-detect
 - June 2nd test: 2.3 ppt combined
 - May 18th test: non-detect
- Well 10:
 - Back in service on March 10th
 - DEP approved a 1 year extension of the pilot program to May 1, 2021.

Long Term Remediation Action Plan:

- Wells 2, 4, 19, 20 and 22 all in service with permanent treatment systems
- Aqua PA Interconnect:
 - removed from service to install an in-line mixer for chlorine control. Expect back in-service by end of August.
- 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)
- 93 have been connected to the public system
- Another 2 are in the progress of being connected.
- One property owner requested an extension to accept offer due to COVID-19.
- 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 23.6 ppt combined.
- Influent monitoring:
 - December 2019 result was 18 ppt combined.
 - February 2020 result was 15 ppt combined.
 - May 2020 results was 98 ppt combined.
 - June 2020 results were 45 ppt combined.

Navy Stormwater Management Update

- Pump and Treat System at Hangar 680:
 - Full operation commenced on March 2020
 - Influent results ranges from 20,000 to 35,000 ppt for PFOA and PFOS.
 - Effluent is testing at non-detect.
 - More than 2.8 million gallons of water have been treated.
- Pump and Treat System at Fire Training Area:
 - Draft Work Plan has been received by the Navy and will be submitted to regulators shortly.
- Storm Sewer Piping:
 - Over 15,500 LF of piping evaluated.
 - Includes a portion of piping on the Air Guard Station.
 - Repairs planned to start late Summer 2020
- Permeable Reactive Barrier:
 - Considering system
 - Would go along Keith Valley Rd side of the Base

Air Guard Stormwater Management Update

- Revised Phase III filter system is in place at the Basin.
- Designed to treat 180 gallons per minute.
- Improvements to the stormwater basin are underway to retain some precipitation runoff to allow the system time to treat it.
- When NPDES permit is finalized, a permanent treatment system will be designed and built to meet the permit requirements.

Updates:

- **Navy and Air National Guard Restoration Advisory Board meeting:**
 - **September 16, 2020 at 6pm. It will be virtual.**
- **Meeting between HWSA and HAGs schedule for 8/11 to discuss renewal of HAGs discharge permit to HWSA sewer system for their PFAS treatment system and an updated contract for the purchase of supplemental water for emergencies.**
- **PA Department of Health Multi-Site National Health Study:**
 - **Community Assistance Panel (CAP) Committee meeting: Aug. 13th.**
 - **Site office establishment – Spring 2021**
 - **Recruitment and data collection – Summer & Fall 2021**
 - **Analysis and Reporting to Community – Spring 2024**
 - **Website: www.papfas.rti.org**
- **MIRIA (Military Installation Remediation & Infrastructure Authority)**
 - **Certification deadline is August 31st**
 - **39 of 112 businesses have filed since August 6th**
 - **We need all of the businesses to be Clean Water Corporate Partners.**

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.
- April 2017 – Public System reached non-detect levels (<5ppt).
- October 2019 – Public System is below detection levels (<2ppt).
- October 2019 – HWSA eliminated the PFAS surcharge.
- Horsham Township continues to achieve more stringent water quality standards than those set by EPA and DEP.