

# Horsham

# Water Quality Update

November 11, 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: 625,000 gpd
  - Non-detect (Sept. 2020 result)
  - Non-detect (August 2020 result)
  - Non-detect (July 2020 result)
- Aqua PA interconnect (pre-GAC):
  - September 9 test: 4.6 ppt combined
  - August 26 test: 5.6 ppt combined
  - June 15 test: non-detect
- Well 10:
  - 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:
  - Has been running consistently since early Oct.
  - Cautiously optimistic that the disinfection issues have been resolved.
- All main extensions are complete
- NWWA interconnection on County Line Rd is operational.
- HWSA has submitted permit application for permanent IX treatment at Wells 10, 17 & 21 and is under consideration by DEP since 8/19/2020. DEP has 120 days to review.

- 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)
- 94 have been connected to the public system
- Another 2 are in the progress of being connected.
- Two property owners have rejected the offer to be connected.
- Two property owners have not responded.
- Navy intends to offer connections to ~35 properties with private wells below 70 ppt that are located in an area where the plume and its movement has been defined.
  - Navy is sending letters to the property owners by Thanksgiving.

- Park Creek Treatment Plant Wastewater:

- Effluent monitoring results averaging 25.6 ppt combined.
- Influent monitoring:
  - June 2020 results were 45 ppt combined.
  - July 2020 results were 113 ppt combined.
  - Sept. 2020 results were 36 ppt combined.
  - Oct. 2020 results were 26 ppt combined.

- HWSA MIRIA Grant Funding Projects:

- HWSA has advertised for bids for house connections under the MIRIA grant
  - In the first contact there are 57 properties where mains currently exist.
  - A survey was sent to 170 properties inquiring as to interest for a connection
    - 84 said yes; 5 said no; and the rest are a no response yet
- Surcharge reimbursement:
  - Approximately 6,000 surcharge refund checks totaling \$1.158M have been mailed.
  - HWSA continues to work through approximately 1,650 properties that were sold or had tenant turnover.

# 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 4.9 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.
  - Navy is moving ahead on bringing new electrical service from Horsham Road for the pilot plant system.
- 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.
  - Investigation of Outfall 8 to start Sept. 15, 2020. Navy will be using the Air Force Red Horse personnel to uncover Outfall 8.
- 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.
- Vegetation and debris have been removed from the stormwater basin 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:**
  - **December 2, 2020 at 6pm.**
- **Navy Site 3 and 12 Landfill Comment Period of Proposed Plans:**
  - **Comment Period – extended to Nov. 25th**
- **PA Department of Health Multi-Site National Health Study:**
  - **Community Assistance Panel (CAP) Committee Public Virtual Meeting – tentatively set for Nov. 19 2020, 7pm to 9pm**
  - **Site office establishment – Spring 2021**
  - **Recruitment and data collection – Summer & Fall 2021**
  - **Analysis and Reporting to Community – Spring 2024**
  - **Website: [www.papfas.rti.org](http://www.papfas.rti.org)**
- **MIRIA (Military Installation Remediation & Infrastructure Authority)**
  - **Will know the amount of funds from PA Dept. of Revenue on Dec. 16th**
  - **Remaining grants to be considered at the Dec. 18th MIRIA Board meeting**



# 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.
- October 2020 – Residents receive reimbursement for past PFAS surcharges
- Horsham Township continues to achieve more stringent water quality standards than those set by EPA and DEP.