

Horsham

Water Quality Update

December 9, 2020

Short Term Remediation Action Plan:

- Wells 7 and 9 are shutdown but remain in active status for emergency use and in order to perform monthly sampling.
- Well 21 has been placed in reserve status.
- North Wales Water Authority: 625,000 gpd
 - Non-detect (Oct. 2020 result)
 - Non-detect (Sept. 2020 result)
 - Non-detect (August 2020 result)
- Aqua PA interconnect (pre-GAC):
 - Nov. 10th test: 10.3 ppt combined
 - Oct. 14th test: 7.9 ppt combined
 - September 9 test: 4.6 ppt combined
- 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 waiting for authorization to send letters to the property owners.

- Park Creek Treatment Plant Wastewater:

- Effluent monitoring results averaging 25.8 ppt combined.
- Influent monitoring:
 - July 2020 results were 113 ppt combined.
 - Sept. 2020 results were 36 ppt combined.
 - Oct. 2020 results were 26 ppt combined.
 - Nov. 2020 results were 76 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. 26 connection agreements have been signed.
 - A survey was sent to 170 properties inquiring as to interest for a connection
 - 90 said yes; 6 said no; and the rest are a no response yet
- Surcharge reimbursement:
 - Approximately 5,200 surcharge refund checks totaling \$1.07M have been cashed.
 - First batch of 397 refund checks for properties that had turnover (sale or tenant) to be mailed the week of Dec. 7th.
 - It has been very tedious work and will take several months before all the checks are mailed.

Navy Stormwater Management Update

- Pump and Treat System at Hangar 680:
 - Full operation commenced on March 2020
 - More than 6.0 million gallons of water have been treated.
- Pump and Treat System at Fire Training Area:
 - New wells being drilled
 - New electrical service almost complete.
 - Draft permit received by DEP. Navy is reviewing.
- Storm Sewer Piping:
 - Over 15,500 LF of piping evaluated.
 - Contractor has been selected.
 - Was on-site week of Nov. 30th to prepare for joint repairs.
 - No firm schedule yet.
 - Investigation of Outfall 8 shows there are still blockages & some flow is making it through.
- Permeable Reactive Barrier:
 - Considering system
 - Would go along Keith Valley Rd side of the Base

Air Guard Stormwater Management Update

- Contract for permanent stormwater treatment system has been awarded and work is underway.
- Completion is set for early summer 2021.
- System will be able to treat 500 GPM flow for PFAS.

Updates:

- **Navy and Air National Guard Restoration Advisory Board meeting:**
 - **March 3, 2021**

- **PA Department of Health Multi-Site National Health Study:**
 - **Community Assistance Panel (CAP) Committee Public Virtual Meeting – late January 2021**
 - **Next General public meeting update – March 2021**
 - **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)**
 - **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.