

Horsham

Water Quality Update

September 9, 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: 700,000 gpd;
 - Non-detect (July 2020 result)
 - Non-detect (June 2020 result)
 - Non-detect (May 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:

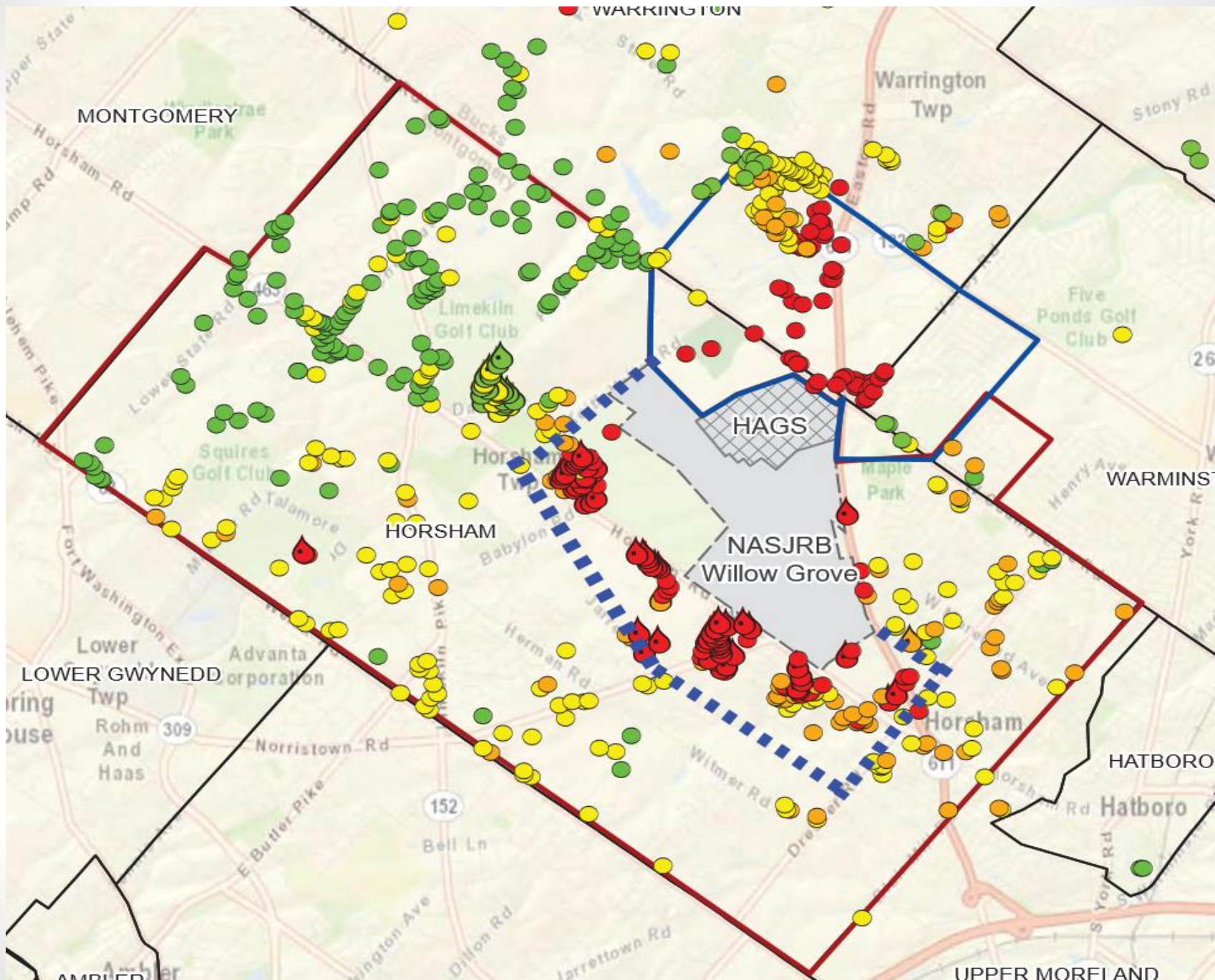
- Wells 2, 4, 19, 20 and 22 all in service with permanent treatment systems
- Aqua PA Interconnect:
 - Went back into service on 8/17/2020. It was removed from service to install an in-line mixer for chlorine control.
- All main extensions are complete
- NWWA interconnection on County Line Rd is operational.

- 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 3 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 ~30 properties with private wells below 70 ppt that are located in an area where the plume and its movement has been defined.

- Park Creek Treatment Plant Wastewater:

- Effluent monitoring results averaging 24.7 ppt combined.
- Influent monitoring:
 - February 2020 result was 15 ppt combined.
 - May 2020 results was 98 ppt combined.
 - June 2020 results were 45 ppt combined.
 - July 2020 results were 113 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 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:**
 - **September 16, 2020 at 6pm. It will be virtual.**

- **Navy Site 3 and 12 Landfill Comment Period of Proposed Plans:**
 - **Comment Period – Sept. 10th to Oct. 25th**
 - **Navy Virtual Public Meeting – Sept. 23rd 6pm to 8pm**
 - **Township Council discussion – Sept. 28th at 7pm**

- **PA Department of Health Multi-Site National Health Study:**
 - **Community Assistance Panel (CAP) Committee Public Meeting – Nov. 2020**
 - **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)**
 - **Parcel reports were due by Sept. 1st**
 - **102 out of 109 parcel (93.6%) owners/businesses filed.**
 - **Awarded 3 Quick Response Grants at their Sept. 4th meeting.**
 - **Remaining grants to be considered in December.**

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.