

# Horsham

# Water Quality Update

October 14, 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. HWSA has submitted construction permit to DEP for permanent systems. HWSA hopes to get construction started in 2021.
- North Wales Water Authority: 750,000 gpd (due to Well 40 being down for rehab)
  - Non-detect (August 2020 result)
  - Non-detect (July 2020 result)
  - Non-detect (June 2020 result)
- Aqua PA interconnect:
  - June 15 test: non-detect
  - June 2nd test: 2.3 ppt combined
  - May 18th test: non-detect
- Well 10:
  - DEP approved a 1 year extension of the pilot program to May 1, 2021.

# Long Term Remediation Action Plan:

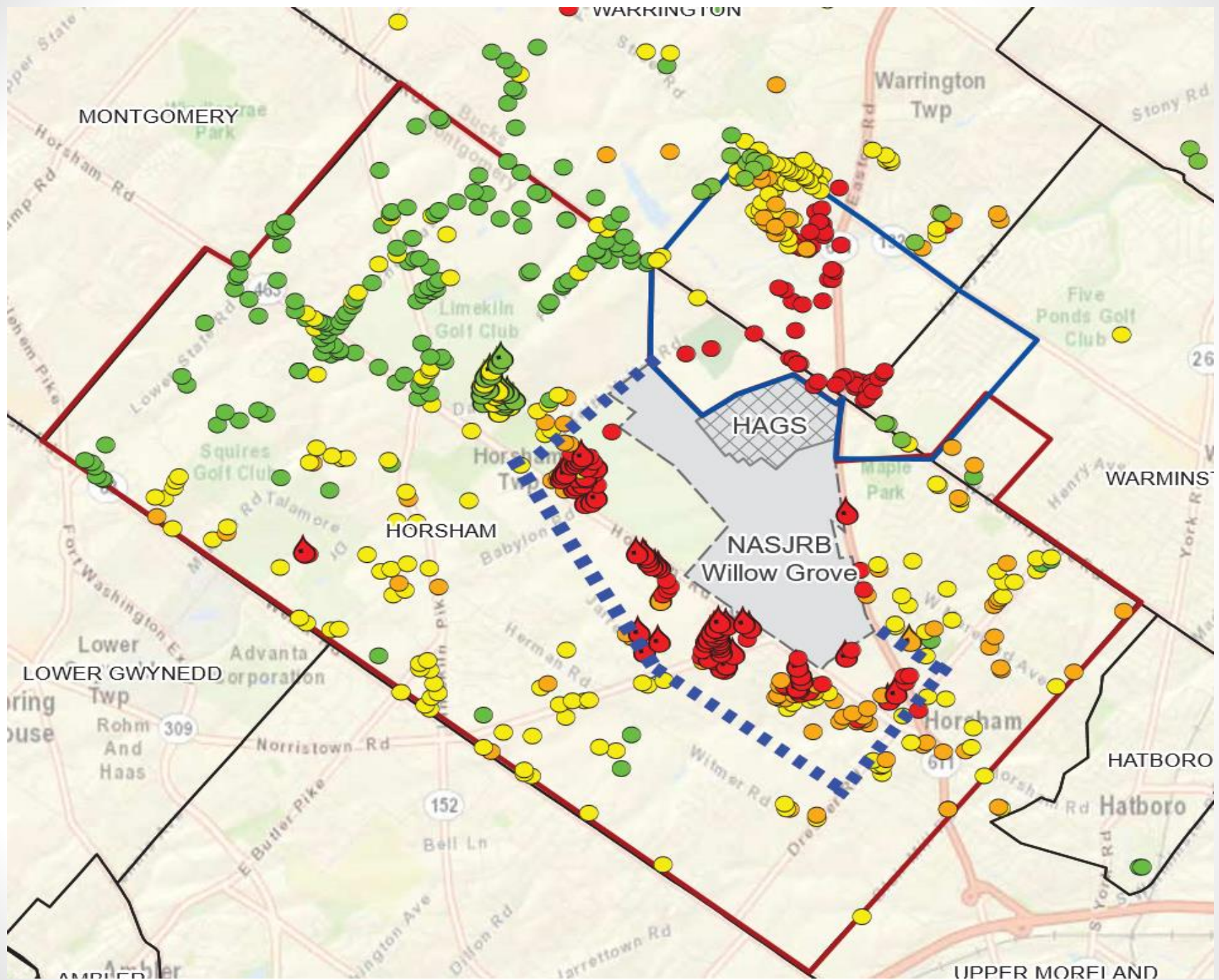
- Wells 2, 4, 19, 20 and 22 all in service with permanent treatment systems
- Aqua PA Interconnect:
  - Went back into service on 8/17/2020.
  - It has been running intermittently while troubleshooting the disinfection process.
- All main extensions are complete
- NWWA interconnection on County Line 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.
  - HWSA is working with the Navy to identify all of the properties with private wells that fall within the defined boundary.

- Park Creek Treatment Plant Wastewater:

- Effluent monitoring results averaging 25.1 ppt combined.
- Influent monitoring:
  - May 2020 results was 98 ppt combined.
  - June 2020 results were 45 ppt combined.
  - July 2020 results were 113 ppt combined.
  - Sept. 2020 results were 36 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:**
  - **December 2, 2020 at 6pm.**
- **Navy Site 3 and 12 Landfill Comment Period of Proposed Plans:**
  - **Comment Period – Sept. 10th to Oct. 25th**
  - **Township Council sent letter and unanimously approved a Resolution for the alternative for complete removal, treatment and off-site disposal for both landfill sites**
- **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](http://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.
- 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.