

# Horsham

# Water Quality Update

January 9, 2019

# Short Term Remediation Action Plan:

- Well 10 is back on the public system using resin only. We are the first in PA with resin only going back into a public system.
- HWSA continues to follow up with DEP on their two requests to have resin at Wells 10, 17 and 21 for the permanent systems.
- Well 7 Nov. 27th test result: 18.4 ppt combined
- North Wales Water Authority: 1.1 mgd; 5.4 ppt combined (3.4 ppt PFOA & 2.0 ppt PFOS)
- Aqua PA interconnect Sept. test result: 12.3 ppt combined
- Well 9 is back on-line. Nov. 27th test result: 8.5 ppt combined.

# Long Term Remediation Action Plan:

- Contractor is moving along with the “Group 1” permanent treatment systems at Wells 2, 20 and 22.
  - Well 22 is in start up mode, DEP has inspected, it is pumping to waste & hoping for DEP operations permit in early 2019.
- “Group 2” permanent systems include Wells 4 & 19 and the Aqua Interconnect. Well 4 and 19 are now under construction. Aqua PA interconnection construction is expected to be expected to begin shortly. Group 2 systems are expected to be operational in 2019 with Wells 4 & 19 pumping to waste by the end of the first quarter 2019.
- 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 97 for drinking water wells & 7 for non-drinking water wells (Navy - 99 and NGB - 5)
  - 90 have been connected to the public system
  - Navy followed up with the others that have never responded or previously rejected the offer to be connected to the public system & an additional 3 have now accepted connection.
- Park Creek Treatment Plant Wastewater:
  - Effluent monitoring results averaging 25 ppt combined.

## **Navy Stormwater Management Update**

### **Navy PFAS Soil Removal Action**

- Contractor mobilized in October 2018
- Removal work underway
- Work anticipated to take 1-2 months
- Contaminated soils to be taken off-site and landfilled in approved landfill
- Navy has tested the side walls and bottoms of two of the three locations and results are lower than their target
- No soil has been removed from site due to partial Federal Government shutdown.

# Navy PFAS Removal Action





Photo shows excavation in front of Navy Fire House.

Navy Soil Removal Project – NAS-JRB Willow Grove  
Photo taken from 12-12-18 RAB presentation



Navy Soil Removal Project – NAS-JRB Willow Grove  
Photo from 12-12-18 RAB meeting presentation





Navy Soil Removal Project – NAS-JRB Willow Grove  
Photo taken 11-28-2018

# Navy Plan for Pilot Plants

Status as of January 9, 2019:

- Draft work plan review on-hold due to partial Federal Government shutdown
- Draft Pilot Test Work Plan adjacent to Hanger 680 sent to EPA for review
- Contract awarded in FY 2018
- Contract will be design/build
- Work may involve temporary treatment plants to test feasibility
- Type of treatment (GAC, ion-exchange/resin) still TBD
- Two potential locations (one by hangars, one by fire fighter training area)
- Discharge locations still TBD
- Treatment standard still TBD

# Other Efforts and Meetings:

- PA Dept. of Health public meeting to review results of blood testing
- Congressman Fitzpatrick's PFAS Task Force
- Governor Wolf's PFAS Action Team
- HWSA lawsuit against foam manufacturers
- Restoration Advisory Board meetings
- Senator Collett's PFAS bills

# Recap of Drinking Water Efforts:

- Currently, approximately 84% 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 is approximately 4 ppt combined. This is an average that is determined using a mass calculation formula.
- Horsham Township continues to achieve more stringent water quality standards than those set by EPA and DEP.