

Horsham

Water Quality Update

September 11, 2019

Short Term Remediation Action Plan:

- Well 10 is on the public system using resin only.
- HWSA has shutdown Well 7 and Well 21
- North Wales Water Authority: 800,000 gpd;
 - 6.6 ppt combined (June 2019 test result)
 - 6.1 ppt combined (March 2019 test result)
 - 6.1 ppt combined (Feb. 2018 test result)
- Aqua PA interconnect July 15th test: 10.5 ppt combined
 - July 1st test: 11.0 ppt combined
 - June 17th test: 9.9 ppt combined
 - June 3rd test: 8.7 ppt combined
- Well 9: Aug. 6th test: 10.4 ppt combined
 - July 28th test: 7.8 ppt combined
 - July 10th test: 6.0 ppt combined
 - June 12, 2019 test: 3.8 ppt combined

Long Term Remediation Action Plan:

- “Group 1” permanent treatment systems at Wells 2, 20 and 22:
 - Wells 2, 20 and 22 in service.
- “Group 2” permanent systems include Wells 4 & 19 and the Aqua Interconnect:
 - Wells 4 and 19 are in service
 - Aqua Interconnect: construction is on-going.
- 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 98 for drinking water wells & 7 for non-drinking water wells (Navy - 100 and NGB - 5)
- 91 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.

- Park Creek Treatment Plant Wastewater:

- Effluent monitoring results averaging 24.4 ppt combined.
- Influent monitoring March was result 28 ppt combined. May result was 26 ppt combined.

Navy Stormwater Management Update

Navy Plan for Pilot Pump and Treat Plants

- Hanger 680 Site:
 - Assembly of the treatment system to be completed in early September
 - Schedule is to be operational for start up testing by late September
- Horsham Road Site:
 - The draft work plan is scheduled to be completed by the end of 2019.

Storm Sewer Pipes

- Storm sewer pipe work has been awarded and work is scheduled to start by the end of 2019.
- Navy has taken samples from surface water and sediment on and off the Base as per their Surface Water Monitoring Sampling Analysis Plan and the results are currently being validated.

Recap of Drinking Water Efforts:

- Currently, approximately **92%** 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 **2.7 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.