

Horsham

Water Quality Update

July 10, 2019

Short Term Remediation Action Plan:

- Well 10 is on the public system using resin only.
- HWSA has shutdown Well 21
- Well 7 June 12, 2019 test result: 5.1 ppt combined
 - May 29, 2019 test result: 12.5 ppt combined
 - May 15, 2019 test result: 14.7 ppt combined
 - May 1, 2019 test result: 8.6 ppt combined
- North Wales Water Authority: 975,000 gpd;
 - 6.1 ppt combined (March 2019 test result)
 - 6.1 ppt combined (Feb. 2018 test result)
- Aqua PA interconnect May 8th test: 10.8 ppt combined
 - April 15th test: 10.8 ppt combined
 - March 18th test result: 10.8 ppt combined
- Well 9 May 29, 2019 test result: 8.5 ppt combined.
 - May 15, 2019 test result: 8.1 ppt combined
 - May 1, 2019 test result: 6.9 ppt combined.
- Use of wells 7 & 9 will be phased out as new treatment systems go on line

Long Term Remediation Action Plan:

- “Group 1” permanent treatment systems at Wells 2, 20 and 22:
 - Well 20 and 22 in service.
 - Well 2: Expected to be in service within the next two weeks.
- “Group 2” permanent systems include Wells 4 & 19 and the Aqua Interconnect:
 - Well 4: Damaged part found in one of the pressure vessels. Once repaired than do testing for operations permit. Hope is to have it back in operation within 6 weeks.
 - Well 19: Awaiting test results. Hope is to have it in operation within 6 weeks
 - 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)
- 90 have been connected to the public system
- Another 4 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 PFAS Soil Removal Action

- Have filled in the three sites with clean soil.
- Navy reviewing options of what to do with contaminated soil.

Navy Plan for Pilot Plants

- Electric system has been run from the Air Guard Station
- Two new wells have been drilled
- Have to assemble the treatment system
- Hope to be operational by late summer

Other

- The Navy has a cost proposal from the contractor for the storm sewer rehab. It will be another few weeks before it gets awarded.
- The new connection between the northern ponding areas is helping. Staff has seen significant water flowing from the southeast area into the southwest area.
- Navy is finalizing the surface water monitoring SAP and plan to sample and measure flow rates in mid-July.

Recap of Drinking Water Efforts:

- Currently, approximately 87% 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 3.8 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.