

Horsham

Water Quality Update

October 12, 2016

Education Update

Point of Use Testing Program:

- 575 volunteered and 115 homes were selected and 109 were tested.
- Results ranged from non-detect to 41 ppt combined.
- Combined average is 17.931 ppt.
- Will retest next year after the short term plan is completed and operational.

Short Term Remediation Action Plan:

- Temporary Treatments Systems at Wells 10, 17 and 21
 - Well 10 has been shutdown. Request has been submitted to DEP for a third filter tank.
 - Well 10 testing results:
 - First month (August) was non-detect
 - Beginning of September was 15 ppt combined
 - End of September was 33 ppt combined
 - Wells 17 and 21 results have come back non-detect
 - Request has been made to DEP to put Wells 17 and 21 back onto the public water supply system
 - Goal is to have all three wells back onto the public water supply system by the next update.

WELL #10



WELL #17



WELL #21



Short Term Remediation Action Plan:

- Permanent Treatment Systems at Wells 26 and 40
 - Pre-construction meeting was held on August 26th
 - Land clearing started on Sept. 6th for both systems
 - Filter building footers inspected at Well 40 on Oct. 4th
 - Met with neighbors around Well 26 on Oct. 5th
 - Excavation of filter building footer completed for Well 26 on Oct. 7th
 - Temporary fence installed at Well 26

WELL #26



WELL #40



PFC FILTER TANK MODEL 10



Short Term Remediation Action Plan:

- North Wales Water Authority
 - Agreement with NWWA was signed at Sept. 12th HWSA mtg
 - Increased from 400,000gpd to 600,000gpd
- Aqua PA
 - Continued discussions with Aqua regarding the interconnection
 - Reduced 400,000gpd to 225,000 gpd the end of July
 - Issued a letter to Aqua PA requesting reprieve from minimum purchase requirement

Private Wells:

- Navy:
 - 418 private wells have been sampled
 - 87 tested above the EPA LHAL
 - 52 have been connected to public system as of Sept. 23rd
- Air National Guard:
 - 4 private wells have been sampled
 - 3 have been connected to the public system

Private Wells:

- Water Main Extension Contract has been completed except for Babylon Road.
- Babylon Road water main has been installed and we are waiting for the disinfecting and test results to come back then connections will start.
- Roads where the water main extensions are completed include: Hallowell Ave, Gallen Rd, Wilhelmina Rd, Eugenia Rd, Norristown Rd and Homestead Lane.

Storm water run off:

- Township, HWSA and HLRA sent letters to EPA, DOD, Navy, ANG and PA-DEP expressing our concern about the run off
- Township hosted a meeting on August 18th with HWSA, HLRA, EPA, Navy, ANG, DEP and Aqua PA
- The group did a tour and a second meeting on Sept. 8th
- This concern was brought to the attention of DOD and EPA staff in Washington DC on Sept. 22nd.
- We have our consultant, Arcadis, reviewing test results to offer suggestions/ideas to the Navy and ANG.
- The group will be having a third meeting in November.

Compensation:

- Township Council passed a Resolution on Sept. 14th demanding that the DOD reimburse and pay for all costs relating to the PFC contamination.
- Township sent letter to the Secretary of the DOD.
- HWSA sent letters to DOD, Navy, Air Force & ANG.
- Navy has responded and will not pay for anything under the EPA LHAL of 70 ppt.
- This was brought to the attention of the Deputy Secretary of the DOD in Washington DC on Sept. 22nd.
- We will be lobbying the PA-DEP to set State standard and have a meeting scheduled in the next couple of weeks to formulate an action plan for same.

Long Term Action Plan:

- Staff presented six alternatives to Council and the HWSA Board at a joint meeting on Sept. 26th.
 - Alternative 1 – purchase all water
 - Alternative 2 – Treat all sources
 - Alternative 3 – Purchase needed water
 - Alternative 4 – Treat higher capacity sources and purchase remaining needed water
 - Alternative 5 – Central Treatment and Purchase
 - Alternative 6 – New wells

Communication:

- Monthly updates at Council's second Wednesday public meetings
- Township website: www.horsham.org
- HWSA website: www.horshamwater-sewer.com
- Water hotline: 215-907-0034
- Follow us on Twitter at @HorshamTownship
- Like us on Facebook at Horsham Township
- Sign up for email updates at water@horsham.org