

Horsham

Water Quality Update

November 9, 2016

Short Term Remediation Action Plan:

- Temporary Treatments Systems at Wells 10, 17 and 21
 - Request for operations permit for Wells 17 and 21 submitted to PA-DEP.
 - Well 10 still shutdown:
 - Received DEP approval for extension of temporary discharge.
 - Waiting for DEP approval of third treatment vessel.

Short Term Remediation Action Plan:

- Permanent Treatment Systems at Well 26:
 - Construction material delivered to Well 26 on October 13, 2016.
 - Building footing and foundation walls are installed at Well 26 on October 21, 2016.
 - Floor drain piping and concrete pad for the vessels installed at Well 26 on October 28, 2016.
 - Building walls completed on November 3, 2016.
 - Filter vessels delivered to Well 26 on November 4, 2016.
 - Goal is to have Well 26 filters operational & testing to begin by December 19, 2016.

Short Term Remediation Action Plan:

- Permanent Treatment Systems at Well 40:
 - Building footing and foundation walls were installed on October 21, 2016.
 - Floor drain piping and concrete pad for the vessels installed on November 4, 2016.
 - The block walls are scheduled to be completed by November 15, 2016.
 - Filter vessels are expected to be delivered on November 17, 2016.
 - Goal is to have Well 40 filters operational & testing to begin by December 19, 2016.

WELL #26



WELL #26



WELL #40



Short Term Remediation Action Plan:

- Well #2 to be shutdown in the next couple of weeks
- North Wales Water Authority
 - Increased from 400,000gpd to 600,000gpd
 - When Well #2 is shutdown will increase to 800,000gpd
 - Received DEP approval for temporary increase of permitted maximum purchase from NWWA
- Aqua PA
 - Reduced 400,000gpd to 225,000 gpd the end of July
 - Issued a letter to Aqua PA requesting reprieve from minimum purchase requirement
 - Meeting with Aqua PA on November 10, 2016.

Private Wells:

- Navy:
 - 450 private wells have been sampled
 - 85 tested above the EPA LHAL 70 ppt
 - 70 tested between 40 and 70 ppt
 - 59 have been connected to public system as of Nov. 8th
- Air National Guard:
 - 4 private wells have been sampled
 - 3 have been connected to the public system

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 December.

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.
- DOD responded to the Township to say we will receive a response in November.
- 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:

- On October 12, 2016 Council adopted alternative 4 as the long term plan recommended to the HWSA for implementation:
 - Continued use of wells 10, 17, 21, 26 and 40 with treatment systems funded by the Navy.
 - Treatment on wells 2, 4, 19, 20 and 22
 - Treatment on Aqua PA interconnect
 - New 1 MG storage tank
 - New interconnection with Forest Park (NWWA)
 - 2.0 miles of water main extensions
 - Minimum purchase of 600,000 gpd from Forest Park (NWWA)
 - Wells 1, 3, 7, and 9 will be in reserve status

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