

Horsham

Water Quality Update

January 11, 2017

Short Term Remediation Action Plan:

1. Temporary Treatments Systems at Wells 10, 17 and 21
2. Permanent Treatment Systems at Wells 26 and 40
3. Shutdown all other wells except keep Well 7 in operation
4. North Wales Water Authority increase to 1.2 million gpd
5. Aqua PA Interconnection

Short Term Remediation Action Plan Update:

1. Temporary Treatment Systems at Wells 10, 17 and 21:

- Well 10: Pilot study on-going with the installed Resin Filter
- Well 17: Received DEP approval on Jan. 6th to place back in the public water system. Goal is to have back in service by Jan. 20th.
- Well 21: Received DEP approval on Jan. 6th to place back in the public water system. Goal is to have back in service by Jan. 20th.

Short Term Remediation Action Plan Update:

2. Permanent Treatment Systems at Wells 26 & 40:

- Well 26:
 - Carbon is being delivered on Friday, Jan. 13th
 - Goal is have well operating in 'test mode' in mid to late January
- Well 40:
 - Was put into 'test mode' on Dec. 19th
 - Had some mechanical issues due to well being shutdown for 2 ½ years
 - Well is now operating in 'test mode'.

Short Term Remediation Action Plan Update:

3. Shutdown all other wells except keep Well 7 in operation:

- Wells 2 and 20 have been shutdown
- Wells 1, 9 & 19 will be shut down once Wells 17 & 21 are back in service with filters
- Remaining wells (3, 4 & 22) will be shutdown after wells 26 & 40 are permitted to be back in service

4. North Wales Water Authority increase to 1.2 million gallons per day:

- Currently at 750,000 to 800,000 gpd
- Once Wells 1, 9 & 19 are shut down, we will go to almost the full 1.2 million gpd

5. Aqua PA Interconnect:

- Currently at 225,000 gpd

Other Factors:

- PA-DEP Permit Approvals
- Changes in drought status
- Demand changes
- Chlorine Residual
- Water Main Breaks

Private Wells:

- Navy:
 - 450 private wells have been sampled
 - 91 tested above the EPA LHAL 70 ppt
 - 70 tested between 40 and 70 ppt
 - 63 have been connected to public system as of Jan. 9th
- Air National Guard:
 - 5 private wells have been sampled
 - 3 have been connected to the public system

Long Term Action Plan:

- We are continuing to work through the various permitting requirements
- PennVest Board meeting is on January 25th, at which time they will review our application
- There is a process to then get to 'settlement' with PennVest that includes full designs and 'shovel' ready
- We anticipate that it will be around April 2017 when PennVest will be ready to 'settle'

Recap:

- Treatment systems were installed on all planned five wells by the end of 2016
- By the end of 2016, 40% of all sources coming into the public system met the 'Horsham Standard'. Expect to be at 70% by the end of January.
- Will continue to purchase water and rely on a mix of sources to ensure our residents have a safe and adequate supply
- Will continue to test filters per our plan while waiting for PA-DEP permit approvals
- When completed Horsham Township will have the cleanest and safest water.

Looking forward:

- Continue communication to the residents
- Continue the implementation of the short term remediation plan
- Continue to work with PennVest to secure the funding to assist with the implementation of the long term plan
- Continue to meet, lobby and work to address the storm water run off from the bases
- Continue to lobby to receive reimbursement of costs and full funding relating to the contamination
- Begin implementation of the long term plan

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