

# Horsham

# Water Quality Update

December 14, 2016

# Short Term Remediation Action Plan:

- Well 10:
  - Resin filter has been installed and currently pumping to waste
- Wells 17 and 21:
  - Hopeful to have DEP approval and operations permit by end of December
  - Once the operations permit is issued we have to schedule the contractor to make the necessary changes

# Short Term Remediation Action Plan:

- Permanent Treatment Systems at Well 26:
  - Electrical service upgrade needed to support new systems.
    - Have to schedule with PECO
    - On Jan. 4, 2017, PECO is scheduled to suspend power at Well 26 for 1 ½ weeks for contractor to complete service upgrade.
  - Expect the carbon (40,000 lbs) to be delivered during the week of Dec. 26<sup>th</sup>.
  - Expect to have Well 26 operational and testing to begin in mid-January
  - Expectation is that once testing begins DEP will want 6 – 8 weeks of results before approving well to be put back into the public system.

# Short Term Remediation Action Plan:

- Permanent Treatment Systems at Well 40:
  - Carbon was delivered on Dec. 13<sup>th</sup> (40,000 lbs.)
  - Training and orientation of system is being done Dec. 14<sup>th</sup>.
  - Goal is to have Well 40 filters operational & testing to begin by December 16, 2016.
  - Expectation is that once testing begins DEP will want 6 – 8 weeks of results before approving well to be put back into the public system.

# WELL #26



# WELL #26



# WELL #26



# WELL #26



# WELL #40



# WELL #40



# WELL #40



# WELL #40



# WELL #40



# WELL #40



# WELL #40



# WELL #40



## Short Term Remediation Action Plan:

- Well #2 has been shutdown.
- Well #20 will be shutdown by Dec. 16<sup>th</sup>.
- Sequence of remaining well shutdowns:
  - 1, 3, & 9 after wells 17 & 21 are back in service
  - Allow system to stabilize
  - 4 & 19 after wells 26 & 40 are back in service
  - Lastly, 22 and Aqua interconnect

# Short Term Remediation Action Plan:

- North Wales Water Authority
  - Increased from 400,000gpd to 700,000gpd
  - Ready to go to 900,000gpd if demand requires
- Aqua PA
  - Reduced 400,000gpd to 225,000 gpd the end of July
  - Will reduce once wells 17 & 21 are back in service
  - Will not be able to go to zero until wells 26 & 40 are back in service
  - In negotiations with Aqua on our request for a reprieve to our interconnect contract.

# Other Factors:

- Drought Watch:
  - Nov. 8<sup>th</sup>: DEP Declaration of Drought Watch for Montgomery County and other counties
  - Nov. 13<sup>th</sup>: HWSA published notice of drought watch calling for voluntary 5% reduction in consumption
- Water Main Breaks:
  - 8 main breaks in last 2 – 3 weeks
  - Very early in season for main breaks
  - Likelihood result of breaks is the blending of increased NWWA water with our water
  - Average temperature of our water is 56 degrees. Average temperature of NWWA water is in the high 30's because it is surface water.

# Private Wells:

- Navy:
  - 450 private wells have been sampled
  - 90 tested above the EPA LHAL 70 ppt
  - 70 tested between 40 and 70 ppt
  - 62 have been connected to public system as of Dec. 14th
- 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 in January, at which time they will review our application
- There is a process to then get to 'settlement' with Pennvest that includes full designs and bid ready
- We estimate that it will be around April 2017 when Pennvest will be ready to 'settle'

# Education:

- **NSF Product and Service Listings** - Home Drinking Water Treatment Units.  
Click the link below to see the NSF certified units reported to reduce PFOS & PFOA levels in drinking water. Keep referring to the link below for updated information and other certified filters. [www.info.nsf.org](http://www.info.nsf.org)

# 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 PFC contamination
- Begin implementation of the long term plan

# Communication:

- Monthly updates at Council's second Wednesday public meetings
- Township website: [www.horsham.org](http://www.horsham.org)
- HWSA website: [www.horshamwater-sewer.com](http://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](mailto:water@horsham.org)