

# Horsham

# Water Quality Update

August 8, 2018

# EPA Community Engagement Meeting Recommendations/Needs

- The impacts of the past exposure cannot be ignored – more extensive epidemiology testing for the community is needed to include former military members assigned to the base
- Risk communication strategies to address public concerns concerning past exposures and regulatory inconsistencies are needed
- As the source of the PFAS contamination is known, the citizens of Horsham should not bear any of the costs for removing PFAS from their drinking water

# EPA Community Engagement Meeting Recommendations/Needs

- The raw water in the aquifer remains contaminated and will be for a long time – HWSA treating the water at their own wells should not be the long-term remediation method for the aquifer
- Sources of PFAS remain at the base in the water & the soil and must be mitigated
- HWSA, other PFAS impacted utilities, and state primacy agencies need guidance in determining the best available technologies for PFAS treatment and appropriate permitting strategies

# EPA Community Engagement Meeting

## HLRA Recommendations:

- PFOS and PFOA should be listed as CERCLA hazardous substances
- Government should retain liability for all PFAS contamination resulting from past use or spills on military property.
- Government standards should be consistent (resolve differences between different agencies (i.e. EPA, ATSDR))
- EPA should require the former NAS-JRB Willow Grove and the Horsham Air Guard Station (HAGS) to have one remedial plan and the same expedited schedule.
- Given the financial impact to the Township and its residents, the federal government should transfer ownership of property at no cost, once the remediation plan has been implemented.

# EPA Community Engagement Meeting

- Horsham continues to be a great place to live, work and play.
- Thanks to the expedited efforts of the Horsham Township community, our drinking water continues to be high quality and safe
- Horsham will be a leader in redeveloping property impacted by PFAS contamination
- But we need EPA's assistance in promptly establishing standards



# Short Term Remediation Action Plan:

- HWSA will be following up with DEP on their two requests:
  - to have resin at Wells 10, 17 and 21 for the permanent systems.
  - to allow temporary system at Well 10 to be resin only when put back on the system
- Carbon was changed out at Well 17.
- Well 7 July test result: 15.1 ppt combined
- North Wales Water Authority: used 1.5 mgd in July
- Aqua PA interconnect June test result: 23 ppt combined
- Looking at possibly putting Well 9 back on-line.

# Long Term Remediation Action Plan:

- Contractor is moving along with the “Group 1” permanent treatment systems at Wells 2, 20 and 22.
  - Expect operations permit by end of the year
- “Group 2” permanent systems include Wells 4 & 19 and the Aqua Interconnect. Well 4 and 19 are now under construction. Aqua PA interconnection construction is expected to late summer/early Fall. Group 2 systems are expected to be operational in 2019.
- 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 104 (Navy - 99 and NGB - 5)
  - 84 of the 104 have been connected to the public system
  - Navy is following up with the others that have never responded or previously rejected the offer to be connected to the public system
  - Phase III is under construction & is expected to be done by the end of October. It includes 4 properties: 2 on Easton Rd and 2 on Maple Ave.
- Park Creek Treatment Plant Wastewater:
  - Effluent monitoring results averaging 26 ppt combined.



- Stormwater:
  - Horsham Air Guard Station:
    - The old filtration system has been removed.
    - New system will be a 4-step filtration process, removing organics before the carbon filters.
    - New system is expected to arrive on August 10th and hopefully will be operational the same day.
  - Navy Base:
    - Looking to raise an inlet by 3 to 4 feet in a rear basin to hold more water & is expected to be done by end of September
    - Continued discussions within the Navy on putting in a culvert connecting two basins since one basin doesn't hold as much water
    - Soil Removal project: contractor is awaiting comments from the regulatory agencies (EPA & DEP) on their work plan then they will mobilize on site
    - Surveying approximately 3,300 feet of stormwater pipes via TV inspections in September with a report in October
    - Pump and Treat Systems: contract expected to be awarded by late September

# Recap of Drinking Water Efforts:

- Currently, approximately 86% 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 4 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.