

**North Hampton Select Board Meeting
April 23, 2018**



AQUARION
Water Company

John Walsh, Vice-President, Operations

**John Herlihy, Vice-President, Water Quality & Environmental
Management**

Dan Lawrence, Director Engineering & Planning

Carl McMorran, Operations Manager

Agenda

- Eversource Settlement
- PFAS
 - Monitoring
 - Operations
 - Treatment
- Well 22
- Mill Road WTP
- Mill Road Main Replacement



Eversource Settlement

- PFAS
- Exeter Road Water Storage Tank
- Well 22
- Hydrants
- Regular Meetings
- Inclining Block Rates

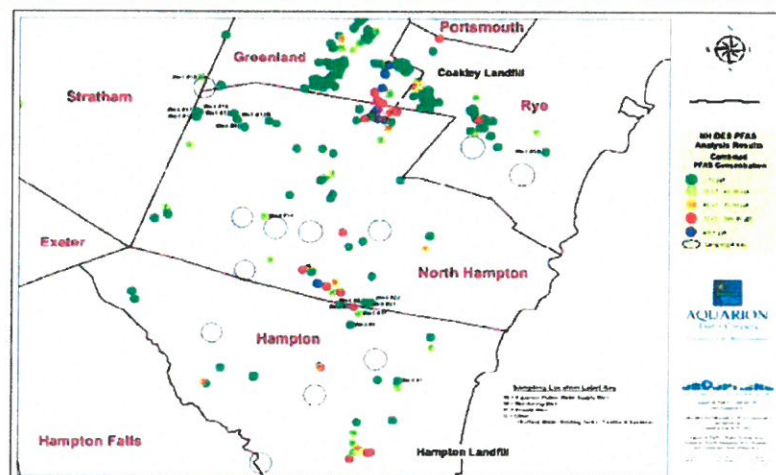


Per- and Poly-Fluoro-Alkyl Substances (PFAS)

- Extensive monitoring since August 2016
- Partnered with DES to collect data from private wells
- To date, no data supports that Coakley Landfill is a PFAS source to our wells, but other potential sources have been identified
- Well 6
 - Trace PFAS levels observed in most wells, and in tap water, which cannot be removed
 - Well 6 will likely be needed to meet summer demand
 - Tap water levels will be minimized through source selection and blending
- Evaluation of Treatment Options
 - Bench scale test report expected in June
 - Regulatory uncertainty, but standards being proposed are higher than the PFAS levels observed in wells



Per- and Poly-fluoroalkyl Substances (PFAS)



Green dots show that many wells have little or no PFAS, including some between Aquarion wells and Coakley. There are other wells with higher PFAS near Rt 1 corridor and other local landfill.

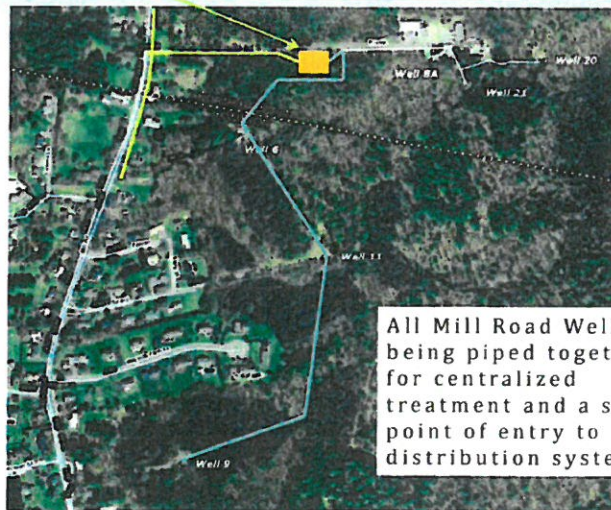


Mill Road Water Treatment Plant

- A centralized facility for
 - Improved chemical storage and control
 - Improved operational efficiency
 - Reduction in maintenance requirements (consolidating 5 treatment systems into 1)
 - Blending of six wells
- Construction of pipelines in progress
 - Well 6 to plant location; combined flows with Wells 8A, 20 & 21
 - Pipe connecting Wells 9 and 11 to Well 6
 - 900-feet of new distribution main on Mill Road
- Building on hold pending resolution of zoning board appeal (June 7)



Mill Road Water Treatment Plant

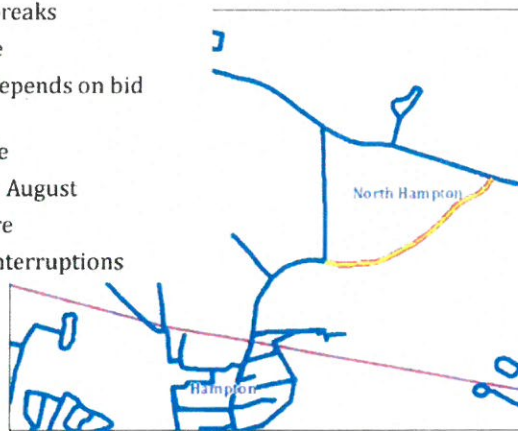


All Mill Road Wells are being piped together for centralized treatment and a single point of entry to the distribution system



Mill Road Main Replacement

- Replacement of up to 4,000 feet from Pine Road to Atlantic Avenue
 - History of main breaks
 - Old cast iron pipe
 - Actual distance depends on bid prices v. budget
- Construction schedule
 - Mid-May through August
 - Single lane closure
 - No long service interruptions



Well 22

- Pumping Test
 - 2 week test between May 8 and 22
 - Approximately 30 private wells to be monitored; both water levels and water quality
 - DES approved revised pumping test plan that incorporated public comments
 - Water will be treated and pumped into the distribution system
 - Round-the-clock monitoring to ensure that there are no adverse impacts
- Large Groundwater Withdrawal Permit
 - Final application by late summer
 - Final permit by year end