Public Water System Expansion

Bedford Public Meeting
Peter Woodbury School
May 22, 2018
NHDES Update

Clark Freise
Assistant Commissioner
Consent Decree

– What is a Consent Decree?
  • Settlement to resolve a dispute between two parties without admission of guilt or liability

– Settles the State of NH’s claims against SGPP for contamination in groundwater

– Does NOT waive private right of action by individuals or parties
Consent Decree Cont.

• Who is covered?
  – All properties in the “disputed” areas

• Neighborhoods with wells that tested above 70 parts per trillion (ppt) for PFOA + PFOS
Consent Decree Cont.

• 148 to be connected in Bedford
  • 101 in Back River Road area (97 developed + 4 undeveloped) (Pennichuck has lead)
  • 47 in South River Road area (21 developed + 26 undeveloped) (CT Male has lead)
• All sourced from Manchester Water Works
• Point-of-Entry Treatment Systems at 4 properties (CT Male has lead)
Consent Decree Cont.

• 3 properties on Back River Road to be connected in Merrimack
  • Included in design and construction by Pennichuck
  • Sourced from MVD
  • CT Male is the lead with Pennichuck also a point of contact during construction
Water Quality in the MWW System

- PFOA + PFOS = 2.6 to 3.29 parts per trillion
Water Quality in the MVD System

• Cabot Preserve “proxy for MVD”
  – 103 sample results (weekly sampling)
  – 3 to 60 ppt
    • 60 ppt was April ’16 when MVD 4/5 were operating
  – 2017 average = 17.5 ppt / max = 25 ppt
  – 2018 average = 16.4 ppt / max = 20.9 ppt
  – Last result is for sampled collected on 4/11/2018; other weekly sample results are pending

• Treatment to be installed on MVD 4/5
Contaminated Site Management

Discovery

Emergency Response

Site Investigation – What is source? Where is it going?

Remediation

Groundwater Management Zone
Site Investigations

**Complete**
- Soil testing at sensitive receptor & agricultural properties
- Testing at facility
  - Air emissions
  - Soil
  - Groundwater
  - Stormwater
- Merrimack River & Dumpling Brook testing

**Upcoming**
- More testing at facility
  - Air
  - Soil
  - Groundwater
  - Stormwater
- Stormwater infrastructure improvements
- Soil and groundwater sampling at other properties
- Testing of drinking water supply wells not getting public water
Why Should I Decommission My Well?

• Prevent exposure to PFOA

• May be required in the future at your expense

• Must be disclosed at sale
C.T. Male Associates
Overview of Project Areas

- Back River Road Area, Bedford
- Back River Road Area, Merrimack
- South River Road Area, Bedford
- Point-of-Entry Treatment Systems, Bedford
Overview of Project Areas
Points of Contact

- Back River Road Area, Bedford
  - Pennichuck Corporation

- Back River Road Area, Merrimack
  - Pennichuck Corporation
  - C.T. Male Associates

- South River Road Area, Bedford
  - C.T. Male Associates

- Point-of-Entry Treatment Systems, Bedford
  - C.T. Male Associates
  - Culligan Water Technologies
Point-Of-Entry Treatment Systems

- Saint-Gobain has contracted with Culligan Water Technologies for the installation, operation, and maintenance of Point-of-Entry Treatment (POET) systems in New Hampshire.

- The treatment technology used for PFAS material removal in drinking water is granular activated carbon (GAC) filtration.
Point-Of-Entry Treatment Systems

- Culligan will be responsible for meeting with property owners at their home or business prior to final equipment selection and installation.
  - A sample of the well water will be collected by Culligan at this initial visit to confirm equipment selection.

- Culligan will be responsible for installation, operation, and maintenance.

- C.T. Male will be responsible for on-going sampling, analysis, and reporting.
South River Road Area

- Saint-Gobain has contracted with C.T. Male Associates to manage and oversee the installation of water services and water main extensions in the S. River Road area of the Town of Bedford.

- C.T. Male Associates will retain the services of a contractor or contractors to perform the water main and service installations.

- Manchester Water Works will be the water supplier.
South River Road Area

- C.T. Male Associates will continue to be in direct contact with you regarding the status of your public drinking water service.

- Upon completion of the water service application and payment of fees to Manchester Water Works, a selected contractor will be given the details of your water service installation for connection to the public water supply.

- C.T. Male Associates will inform property owners of the contractor performing the construction work and an approximately schedule after which the contractor will be in direct communication with the property owner for all work.
Pennichuck Corporation
Project Overview

- Pennichuck is entering into a contract with Saint-Gobain Performance Plastics to begin the expansion of the current public water system in Bedford
- This is a two-phased project
  - Phase One will be underway and substantially completed in 2018
  - Phase Two will be completed in the Spring and early Summer of 2019
- There are 2 different contracts that have been entered into that will be managed simultaneously by Pennichuck, giving oversight to the selected contractors
  - 1 water main extension project, which is anticipated to begin in July 2018, and is possibly going to be completed during 2018
  - 1 water service installation project, which is anticipated to being in July 2018, but will extend into 2019
- Construction will result in certain streets being impacted throughout the area, with temporary pavement being installed initially, and a final recoat of the roads as sections are brought to full completion
Phase One

- Phase One objectives
  - Begin the installation of Water Mains starting at connection points to our existing water system connection with MWW, in the town of Bedford
  - Seeking to install nearly all of the approximately 8,000 feet of new water mains, and as many of the 97 residences/properties being connected to water as time and weather will allow before winter, in Phase One
  - The number of properties connected in Phase One will depend on weather for the remainder of the year, and the status of the completion, testing and “charging” of the water mains installed
  - An additional 53 “main to stop” connections are to be installed during Phase 1 or Phase 2, as specified in the water system buildout design, for properties not yet “built out.”
Map of areas where the expansion of public water is being installed – both phases
Phase Two

Phase Two objectives

- Complete the installation of Water, starting at the termination points from Phase One
- Connection of all of the remaining service connections to existing residences/properties
- Construction on Phase Two to begin on or about April 1, 2019, weather permitting
- Construction scheduled to be completed by mid-August of 2019
- Any and all pavement will be initially “base coated” and then allowed to winter over, with the final pavement coat to be completed the following year (as such, some final pavement may not be completed until the Spring of 2020)
Key Personnel

- The Pennichuck team consists of the following individuals:
  - Chief Engineer – John Boisvert
  - Construction Manager – Mark Filion
  - Pennichuck Field Liaison and Construction Inspectors
    - Pennichuck Employees
    - Pennichuck Inspector Subcontractors
  - Construction Company Subcontractors
  - Pennichuck Customer Service Department
    - Will field all calls at 800-553-5191
    - Will answer questions directly, or redirect to an individual that can assist
We will need to gain access to your home and property once again

- In order to install the water service line to your home
  - A main to stop service line will be installed from the water mains in the streets to a shut-off valve (the “stop”) installed at your property line
  - A new service line will be installed from the stop to end on your property, beginning at the shut-off valve and coming into your home through your foundation
  - Once the water mains have been installed, pressure tested and fully “charged” the connection of your current well will be terminated in your home and the new water meter will be installed allowing for the supply of public water to be initiated
  - If the homeowner elects to retain their well for “non consumptive” use, the well line will be reconnected to their irrigation system and/or up to two external hose “bibs.”
How will you know that the person needing to access your property works for Pennichuck?

- We will not seek to gain access to your home without a prearranged appointment
  - Please Note: There will be crews from Pennichuck or our subcontractors working in the area, but not directly on your property

- All of our employees will be wearing Pennichuck Water logo clothing

- Have a Pennichuck badge with the following information:
  - Employee name
  - Employee picture
  - Badge number
  - The Company “800” number
How will you know that the person needing to access your property works for Pennichuck?

- If you would like to call the Company to confirm the identity of the individual, they will give you a card with the “800” number and their name on it, so you can call our Customer Service department to confirm their identity.

- Most employees will be driving Pennichuck logo vehicles; however, some individuals may be driving vehicles without logos. The Bedford police department and our Customer Service department will have a list of these vehicles, including make, model and registration number, which can be confirmed with those entities.
What does it mean to be a customer of a public water system?

- You will have access to water at your property which:
  - Is subject to compliancy with all of the State and Federal standards under the Safe Drinking Water Act
  - Is monitored and treated in compliance with these standards levels and testing requirements, including treatment for disinfection using Chloramination
  - Is supplied to you by a system with 24/7/365 access, including backup power systems in the event of a power failure in your area
  - For more information on the water quality results for the water supply for the Bedford system, please go to: http://www.pennichuck.com/consumer_wqr.php and select the “Little Pond” water system in the menu
What’s Next?

- In the back of the hall, we have a series of tables setup, alphabetically by the last name of the legal property owner, with Pennichuck personnel ready to assist with:
  - To have you complete and sign a Service Application Agreement in order to have access to public water thru Pennichuck Water Works
  - Make and sign your well decommissioning election
  - Complete, sign and notarize your pressure reducing valve form (if applicable to your property)
  - Obtain a copy of the template documents as well as our New Customer introduction materials
Service Application Agreement
New Customer Introduction

Materials
Questions?