

Agenda
Public Update Meeting – North Carver Landfill
March 12, 2020, 6:00 pm

- I. Introduction and Project Roles
- II. Meeting Purpose
Present existing information on potential impacts from North Carver Landfill on private wells located along Plymouth Street, Hines Avenue and Captain Perkins Lane. Discuss next steps.
- III. Background and History of North Carver Landfill
- IV. Recent Activities Related to Landfill Along Plymouth Street
 - a. Semi-annual groundwater sampling of monitoring wells downgradient of Landfill
 - b. Comparison of results to MassDEP established standards and guidelines for drinking water
 - i. MassDEP standards and guidelines for drinking water based on use in a public water supply but are also used to assess private water supplies
 - ii. Concentrations less than the MassDEP established standards and guidelines are considered safe for a public water supply
 - c. Result exceeded MassDEP drinking water guideline for 1,4-dioxane in monitoring well (not drinking water well) located behind 164 Plymouth Street
 - i. Required sampling of private wells within 500-foot radius of monitoring well
 - ii. Town has been sampling private water supply wells at residents along Plymouth Street since November 2017
 - iii. 1,4-dioxane used in the manufacture of some solvents and is also a trace compound found in household products including cosmetics, shampoo and detergents
 - iv. Sampling of private wells has continued every six months
 - d. MassDEP establishing health-based standards for new “emerging contaminants” that may be present in groundwater downgradient of the Landfill
- V. Overview of Results of Sampling Program
 - a. Sampling of monitoring well near Plymouth Street since the initial round have had detections of 1,4-dioxane but not at concentrations above MassDEP guideline.
 - b. Sampling of the private wells at homes along Plymouth Street has found detections of 1,4-dioxane at three residences
 - i. None of the detections are above the MassDEP guideline for public drinking water.
 - ii. Two residents had detections during initial round (January 2018). No detections since (five rounds).
 - iii. One residence had a detection during the initial round collected at their home (June 2019) and a detection in the latest round (December 2019)
 - iv. No detections for 1,4-dioxane for the four other homes along Plymouth Street
 - v. Town providing water to the three residences where 1,4-dioxane was detected

VI. Next Steps

- a. Town to extend public water supply to private residences along Plymouth Street
 - i. Evaluate extension to homes on Hines Avenue and Captain Perkins Lane
 - ii. Contract for design and permitting off water main has been awarded
 - iii. All private wells receiving public water will be abandoned
 - iv. Schedule
 - 1. Design and permitting – 2020
 - 2. Appropriation of funds for construction – 2021 Annual Town Meeting
 - 3. Construction – Summer 2021
- b. Sampling program of private wells to continue
 - i. Sample all homes previously sampled along Plymouth Street
 - ii. Extend sampling of private wells to homes along Hines Avenue and Captain Perkins Lane
 - iii. Next round of sampling – April 2020
- c. Town to continue to provide bottled water to homes with detectable concentrations of 1,4-dioxane
 - i. MassDEP requiring confirmation that homeowners with 1,4-dioxane detected in their private wells are using bottled water – request confirmation form to be distributed to three homeowners at meeting.

VII. Questions