

Coakley Landfill Update

US Environmental Protection Agency (EPA)

NH Department of Environmental Services (NHDES)

January 9, 2018

1. Status of private water supply sampling & Fall 2017 site-wide monitoring

The Coakley Landfill Group (CLG) submitted validated results for private drinking water wells north, northwest, south and southeast of the Site to the agencies on 12/12/2017. None of the results exceed the EPA Drinking Water Advisory Level for PFOA and PFOS or any of the EPA Cleanup Levels (CLs) or State standards, except for manganese in three private wells, whose concentrations exceeded the EPA CL (0.30 mg/L). The concentrations of the untreated water samples were 0.45 mg/L, 0.42 mg/L, and 2.3 mg/L. In-home private treatment systems (*e.g.*, water softeners) effectively remove this naturally occurring element from water. Manganese is a naturally occurring element that can be mobilized by a variety of natural and human-caused conditions. The occurrence of manganese in area private wells may or may not be related to the Coakley Landfill, however, the pending arsenic/manganese background study will further inform this issue. Private well owners were notified of their results via e-mail on 12/14/2017.

A final report of the Site-wide Monitoring Data (including the private water well data) is expected in mid-January 2018.

2. Status of the well couplets to be installed in the northwest area of the Groundwater Management Zone (GMZ).

The agencies reviewed geophysical data collected by the CLG from an existing deep bedrock well off Breakfast Hill Road (Chinburg Well) and, in December 1st correspondence, instructed the CLG to perform Packer Interval sampling at multiple depths. The CLG via its contractor, CES Inc., performed the Packer Interval sampling during the week of December 5th and will submit a report to the agencies by mid-February 2018. The agencies will review that report and determine, based on the report findings, the ideal locations and depths of the two new well couplets. The installation of the new wells is planned for June 2018.

3. Status of the deep bedrock investigation.

The agencies will provide the CLG a summary of key concerns and justification to perform a deep bedrock investigation that will be the basis for the CLG to prepare a detailed proposal to be submitted to the agencies for review. The investigation is expected to last approximately two years.

4. Status of the fish tissue sampling

EPA has prepared a set of site-specific screening levels for tissue in fish caught from Berrys Brook and will send the screening levels and a formal request to perform such sampling to the CLG along with guidance on the preparation of a sampling protocol and a Quality Assurance Project Plan (QAPP). In conjunction with NHDES and the NH Fish & Game Department, EPA is developing an initial draft protocol that will be sent to the CLG as guidance in the preparation of a final version that will be reviewed and approved by the Agencies. EPA will be sharing the draft fish sampling protocol and QAPP with local stakeholders for review and comment in an effort to address relevant and appropriate concerns of the fishing community along Berrys Brook. EPA expects to make available the draft of the fish sampling protocol and model QAPP to the CLG and the general public by mid-January 2018.

5. Meetings in 2018

EPA expects to meet with the Town of Greenland Board of Selectmen in February to present the plan for conducting a Technical Assistance Needs Assessment (TANA) and further refine this approach. EPA and NHDES also plan to hold a public meeting, likely in March, to provide an overview and update on activities at the Coakley Landfill Superfund Site. Representatives from EPA, NHDES, and the Coakley Landfill Group (CLG) will be present to provide information and answer questions.

6. Five Year Review press release

EPA will be issuing a press release this week to announce the completion of Five Year Reviews at 14 New England Superfund Sites during 2017. Five Year reviews were completed at 3 New Hampshire sites: Auburn Road Landfill, Londonderry; Coakley Landfill, North Hampton; and Dover Municipal Landfill, Dover. There are brief fact sheets available on the EPA Region 1 website for three non-Federal Facility sites.

The Coakley document referenced in the press release, the [ADDENDUM TO THE FOURTH FIVE-YEAR REVIEW \(FYR\) REPORT DATED 09/23/2016](#) is the *same document* that was distributed to this email group on October 4, 2017 and was discussed at the last Coakley public meeting on November 15 at North Hampton Town Hall. The two-page fact sheet included with this Update is simply a brief summary of the 482-page Addendum. Here again is the link to the full report:

<https://semspub.epa.gov/work/01/622624.pdf>

For further information, please contact:

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