

Coakley Landfill Community Update

US Environmental Protection Agency (EPA)

NH Department of Environmental Services (NHDES)

July 12, 2017

1. Status of water supply sampling (residential well monitoring)

There have been no cases where a private well result has exceeded the 70 parts-per-trillion (ppt) Public Health Advisory or equivalent NHDES ambient groundwater quality criteria for PFASs (otherwise known as PFCs). Private well sampling/testing will be repeated on a subset of the 81 wells previously sampled and will be performed by the Coakley Landfill Group (CLG) in August 2017 and February and August 2018. On June 29th, EPA, in consultation with NHDES, requested the CLG to include five additional private drinking water wells into the regular semi-annual sampling program starting with the sampling event scheduled for August 2017.

2. Status of Spring/Fall Site Monitoring

The CLG conducted the Spring Site-wide sampling event during the weeks of April 24th and May 1st. The event included groundwater samples from monitoring wells, leachate seep samples, and co-located sediment/surface water samples. Validated results were submitted to the regulatory agencies on June 28th and are being reviewed. The next sampling (Fall) event is scheduled for mid-August 2017.

3. Status of additional bedrock monitoring wells

As summarized previously, the CLG is proceeding with a phased approach for the installation of two new well couplets in the north/northwest GMZ area.

Phase I Running data loggers in six existing monitoring wells was initiated on April 26 and finalized on May 27.

Phase II Borehole geophysics study at the existing bedrock wells located within the proposed 10-lot subdivision off of Breakfast Hill Road was performed on May 31st. The CLG submitted the results of the data loggers, borehole geophysics study, and proposed packer sampling locations (intervals) on June 29th. The agencies and their technical consultants are currently evaluating those results in order to assess the appropriateness of the proposed sampling intervals. These sampling intervals will be used to perform a round of sampling at the existing bedrock well and thus complete Phase II. The agencies expect that this sampling will be performed concurrent with the Fall Sampling event (August 2017).

Phase III Based on the data gathered in the foregoing studies, the locations and depths of the proposed GMZ compliance wells will be refined and finalized by the regulatory agencies, prior to installation. At this time, the installation of those wells is anticipated for Fall 2017.

4. Surface Water Quality

On May 8th, 2017, NHDES and EPA site managers and risk assessor conducted a site visit to observe Berrys Brook reach from the Coakley site to its confluence with the Piscataqua River. Conditions were

found to be consistent with information previously provided by NH Department of Fish and Game. On May 25th, 2017, EPA requested additional fishery information to NHDES in order to determine whether further investigations and/or risk evaluations are needed and whether it is necessary to implement Site-specific fish consumption screening levels. On May 30th, 2017, NHDES forwarded the requested information to the NH Department of Fish and Game. Once received, EPA will evaluate this additional information in conjunction with the recently obtained results from the Spring Site-wide sampling event, and observations in the field to make this determination.

EPA, in consultation with NHDES, will continue to direct the CLG's monitoring work for PFASs in surface waters on-site, as well as downgradient of the Site to determine if additional corrective actions are required to protect human health and the environment.

5. NHDES/EPA plan moving forward

The agencies, with the assistance of their technical consultants, will continue to review private well sampling data, private well and site monitoring well construction details, surface water and groundwater interactions and site and regional hydrogeological information to better evaluate contaminant fate and transport mechanisms, and the need to further investigate the off-site migration of contaminants that may present unacceptable risks to human health and the environment. EPA and NHDES plan to continue providing community email updates on a regular as-needed basis.

For further information, please contact:

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