

Annual Inspection Report

Page No. 1 of 1

Inspection and report meeting the requirements of Part 257.84(b)

Merrimack Station Ash Landfill

Location: Bow, New Hampshire

Year: 2019

File No. 2025.09

Date of Inspection: October 3, 2019

Volume of CCR in place: 206,750 cubic yards

Completed by: Lisa Damiano, P.E.

Changes in landfill geometry since previous annual inspection? Yes No *If yes, please explain below.*Observed actual/ potential structural weakness? Yes No *If yes, please explain below.*Observed existing conditions that are disrupting/could disrupt the operation and safety of the facility?
Yes No *If yes, please explain below.*

Other Observations:

- Steep slope observed at the active face of the landfill. If the slope failed, CCR would slide into existing empty lined cell. We recommend reducing the slope for safety of operators.
- The leachate collection and storage system was observed to be in good operating condition.
- Perimeter fence was secure and in good condition.

Review of available information regarding the status and condition of the landfill:

Weekly Inspection Forms:

Any stability, operation, or safety issues reported? Yes No *If yes, please explain below.*

Previous Annual Inspection Reports:

Any stability, operation, or safety issues reported? Yes No *If yes, have the issues been addressed?*

Steep slope observed at the active face of the landfill. Sanborn Head performed an Interim Slope Stability Evaluation, dated 2/29/2016 and concluded that the slope was likely stable for interim conditions. However, to reduce the potential for instability, we recommended that the slope be flattened such that the inclination approaches 2H:1V or flatter. The slope modification has not been completed at this time.

Signature:



Date: 1/3/2020

Attachments:

- None
- Site Photographs
- Field Sketch
- Other

Reviewed By:



Date: 1/3/2020

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ANNUAL INSPECTION PHOTOGRAPHS



Photo 1: Active cell of the landfill with steep slope at working face looking north (right photo) from leachate collection building and east from east side of active cell (left photo)



Photo 2: Active cell of the landfill with steep slope at working face looking west.



Photo 3: Stable and established slopes in inactive capped area of landfill looking north from top of active cell.



Photo 4: Landfill cells not currently in use looking southeast from east side of active cell.