

# Annual Inspection Report

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

Merrimack Station Ash Landfill

Location: Bow, New Hampshire

Year: 2016

File No. 2025.03

**Date of Inspection:** January 4, 2017 Volume of CCR in place: 203,000 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.
- Limited woody vegetation observed growing near the location of the anchor trench. We recommend removing the vegetation.
- 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.*

*Limited woody vegetation observed growing near the location of the anchor trench. Vegetation was removed during January 2016; however, there is now additional growth that we recommend removing.*

*Limited erosion was observed near the active face of the landfill during the 2015 Annual Inspection and re-grading of the area was completed in 2016.*

Signature:




Date: 1/9/2017

Attachments:

- None
- Site Photographs
- Field Sketch
- Other

Reviewed By:



Date: 1/9/2017

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## ANNUAL INSPECTION PHOTOGRAPHS



Photo 1: Active cell of the landfill with steep slope at working face.



Photo 2: Limited woody vegetation growing near anchor trench.





Photo 3: Stable and established slopes in inactive capped area of landfill.



Photo 4: Area where limited erosion near active face of the landfill was repaired in 2016.