GREEN MOUNTAIN ENGINEERING, INC.

1438 South Brownell Road P.O. Box 159 Williston, VT 05495 (802) 862-5590 (Fax) 862-7598

.via email April 23, 2019

Ms. Valerie Caples, Town Administrator 1 South St. PO Box 249 Bristol, VT 05443

RE:

Annual Inspection for Bristol Landfill

GME Project No. 25-015

Dear Ms. Capels;

Green Mountain Engineering, Inc. (GME) conducted the annual inspection of the landfill cap on April 23rd, 2019, for the Bristol Landfill site located on Pine Street in Bristol, Vermont. Enclosed, please find the Explanation of Findings and Photos from the inspection.

A summary of the issues identified during the inspection include minor soil erosion that occurred in many areas, some damage from mowing machinery, and some washouts along the northern drainage swale. GME recommends that areas of disturbance and erosion be restored by scarifying, filling (if needed) and seeding.

If you have any questions regarding these documents, please feel free to contact our office.

Respectfully,

GREEN MOUNTAIN ENGINEERING, INC.

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Engineering Technician

enc.

cc:

Alan Huizenga, P.E. President

Explanation of Findings Bristol Landfill Inspection April 23, 2019

Explanation of Findings Bristol Landfill Inspection Report - 2019

Green Mountain Engineering, Inc. performed the inspection for the Bristol Landfill and has recommended the following items be considered for maintenance and/or repair:

- 1. Several areas of the cap showed erosion as can be seen in attached photos and marked up site plan. The areas shown on the marked plans are approximate, and GME recommends that all areas of erosion be scarified, filled and reseeded to prevent erosion through the cap.
- 2. The area shown in photo #7 the plan appears to have been damaged by mowing and should be addressed the same way as erosion.
- 3. The drainage swale along the north limits of the landfill cap is showing some erosion as shown in photo #6 #9. Any areas where the outer drainage swale is eroded should be restored.

Bristol Landfill Inspection Report – April 2019 Inspection Photographs



Photo #1: Erosion along southern facing slope



Photo #3: Closeup of eroded area on south facing slope



Photo #2: Closeup of eroded areas on north facing southern limit



Photo #4: Closeup of eroded area on north facing slope

Bristol Landfill Inspection Report – April 2019 Inspection Photographs



Photo #5: Eroded area on West facing slope



Photo #7: Damage showing some erosion **Green Mountain Engineering, Inc.**



Photo #6: Eroded area on north facing drainage swale



Photo #8: Closeup of erosion on north facing swale

Attachment No. 1

Bristol Landfill Inspection Report – April 2019 Inspection Photographs



Photo #9: Erosion along drainage swale on northern limits



Photo #10: Erosion on northeast slope

