



March 10, 2021

Mr. Dean Starook
Groundwater Remediation Specialist
Commonwealth of Virginia
Department of Environmental Quality
Piedmont Regional Office
4949-A Cox Rd.
Glen Allen, Virginia 23060

**Re: Shoosmith Sanitary Landfill, Permit No. 587
SSI Exceedance Notification
First Quarter 2021 Groundwater Monitoring Event
Project No. 2210264.00/Phase 01**

Dear Dean:

On behalf of Shoosmith Bros., Inc., LaBella Associates, D.P.C., P.C., (LaBella) is hereby notifying the Virginia Department of Environmental Quality (DEQ) of a Statistically Significant Increase (SSI) over background during the first quarter 2021 compliance monitoring event at the Shoosmith Sanitary Landfill, Permit No. 587 (facility). The facility is monitored under the Assessment Monitoring program, with a subset of wells monitored under the Detection Monitoring program. The first quarter 2021 event was conducted on January 25 through 27, 2021. The laboratory data packages were dated February 10, 2021. A verification sample was collected from MW-22 on February 23, 2021. The verification laboratory data package was dated February 26, 2021.

Based on value-to-value comparisons, the following constituents exceeded or background values during the first quarter 2021 groundwater monitoring event:

| Constituent | Monitoring Well | Result (µg/L) | Background Value (µg/L) |
|-------------|-----------------|---------------|-------------------------|
| Barium | MW-22 | 200 (211) | 188 |

*Note: All concentrations are in micrograms per liter (µg/L)
Verification event is shown in parenthesis.*

Due to the suspect SSI of barium in MW-22, the facility intends to move MW-22 into the Assessment Monitoring program. The next monitoring event is tentatively scheduled for April 27, 2021, where monitoring well MW-22 will be sampled for the complete VSWMR Table 3.1 Column B list of constituents.



Please contact me at (804) 355-4520 or at rsmith@labellapc.com if you have any questions or comments.

Respectfully,
LaBella Associates

Ryan Smith
Technical Consultant

Enclosure

c: Bruce Coble, Shoosmith Bros., Inc.
Shawn Weimer, DEQ-CO
Geoff Christe, DEQ-CO
Ted Barclay, Chesterfield County

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