



July 15, 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  
Second 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 second 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 second quarter 2021 event was conducted on April 26 through 28, 2021. The complete laboratory data packages were dated June 2, 2021. Verification sampling was collected from MW-110 on June 10, 2021. The verification laboratory data package was dated June 15, 2021.

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

Constituent	Monitoring Well	Result (µg/L)	Background Value (µg/L)
Barium	MW-110	250 (206)	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-110, the facility will move MW-110 into the Assessment Monitoring program starting with the third quarter 2021 monitoring event. The third quarter 2021 monitoring event is tentatively scheduled for July 26, 2021, where monitoring well MW-110 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](mailto: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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