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December 14, 2023

Ms. Joy Dubin Grossman, Assistant Town Manager
Town of Hinesburg
10632 VT Route 116
Hinesburg, VT 05461

Submitted via email at jdubingrossman@hinesburg.org

Re: Professional Opinion on Findings of 2023 Residential Drinking Water Supply Testing for the Hinesburg Closed Municipal Waste Landfill, 907 Beecher Hill Road, Hinesburg, VT

Dear Ms. Dubin Grossman:

KAS, Inc. (KAS) is pleased to present our professional opinion regarding the findings of the drinking water testing completed in the spring and fall 2023 by Stone Environmental, Inc. (Stone) at six nearby residential properties to the Town of Hinesburg closed municipal landfill located at 907 Beecher Hill Road. I have fully reviewed the data obtained by Stone during the spring 2023 and fall 2023 drinking water monitoring events, as presented in the laboratory analytical reports. The following is my professional opinion regarding the findings and Stone's recommendation to discontinue testing of the six residential supply well locations.

Summary of Results / Project Understanding

As part of the spring 2023 landfill monitoring, Stone collected a drinking water sample from the following six drinking water supply wells in March/April 2023 and again in June 2023:

- 413 North Road
- 206 Forest Edge Road
- 714 Beecher Hill Road
- 182 Forest Edge Road
- 490 North Road
- 794 Beecher Hill Road

An additional sampling round occurred from these same locations on October 11, 2023. At each of the residential properties, a drinking water sample was collected for analysis of volatile organic compounds (VOCs) and Per- and Polyfluoroalkyl Substances (PFAS). No VOCs or PFAS were detected above the laboratory reporting limits in any of the water supply wells during the March/April, June or October events except for a low concentration of Acetone at 206 Forest Edge Road, which is a common laboratory contaminant.



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Opinion on Recommendations

Stone presented the following recommendation in their most recent report dated September 18, 2023 regarding the six nearby drinking water supply wells. KAS' opinion regarding this recommendation is presented in bold italic.

- If the preventive action level (PAL) as established by the Groundwater Protection Rule and Strategy (GWPRS) §12-602 is exceeded at any of the water supply wells, then additional drinking water locations will be evaluated to be monitored. If PFAS and VOCs are not detected above the PAL at the water supply wells during the October 2023 event, then monitoring shall cease.

Given the lack of VOC and PFAS detections identified to date in the six residential supply wells (413 North Rd, 206 Forest Edge, 714 Beecher Hill, 182 Forest Edge, 490 North Rd, and 794 Beecher Hill), KAS agrees with this recommendation. It is our professional opinion that it is unlikely these private drinking water wells are at risk from the contaminants released from the nearby landfill given the consistent non-detect results obtained. Recommendations to discontinue testing at locations with consistent non-detect results is a common practice and is typically expected from a regulatory standpoint. The only noted detection at 206 Forest Edge is believed to be attributed to the laboratory's use of acetone as a cleaner, which is a common occurrence.

KAS appreciates the opportunity to provide our professional opinion to the Town of Hinesburg. Please feel free to reach out to me via e-mail to JeremyR@kas-consulting.com or by phone at 802-383-0486 with any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "J.R.", is written over the typed name and title.

Jeremy Roberts, P.G.
Principal / Environmental Program Manager

cc. KAS #603230053