

May 12, 2026

Josh Reed
City Superintendent
1020 S Wood St.
Galena, KS 66739
j.reed@galenaks.gov

RE: Morning Ambient Air Monitoring Activity – 5/12/2026
City of Galena Construction and Demolition Landfill
KDHE Permit No. 738
Galena, Cherokee County, Kansas

Dear Mr. Reed,

Ambient air monitoring was conducted on the morning of May 12, 2026, for hydrogen sulfide (H₂S) around the Jordan Disposal Landfill. Per manufacturer recommendations, the Jerome J605 unit was regenerated and fresh air “zeroed” using the appropriate zero air filter prior to sampling the ambient air for H₂S concentrations at eight (8) predetermined locations. Basic weather information was collected at each location at the time of sampling from the Apple Weather Application and documented along with the H₂S reading from the J605 unit. The sampling locations are exhibited in Figure 1 attached to this summary letter, and the collected data is presented in Table 1 below.

A strong, intermittent sulfur odor was observed at the sampling location on top of the landfill, as the wind was present in small gusts; therefore, two (2) additional samples were taken to attempt to analyze the stronger intermittent odor. As presented in Table 1 below, the third sample at that location exhibited an elevated H₂S concentration after the first two samples exhibited H₂S concentrations barely at or below the monitor’s detection range.

Table 1: Ambient Air Monitoring for Hydrogen Sulfide

Testing Address	Date	Time	H ₂ S Reading (PPB)*	Wind Direction	Wind Speed (MPH)	Temp (°F)	Sulfur Odor**
1 st & Galena Ave	5/12/26	0525	0.00	S	7	53	No
Front St – E. of Bridge	5/12/26	0529	0.00	S	7	53	Intermittent (L)
Front & Bellevue St	5/12/26	0532	0.00	S	7	53	No
NW of LF Working Face	5/12/26	0536	3.12	S	6	53	Intermittent (S)
NW of LF Working Face	5/12/26	0537	0.00	S	6	53	Intermittent (S)
NW of LF Working Face	5/12/26	0538	417.00	S	6	53	Intermittent (S)
1401 K 66	5/12/26	0558	0.00	S	7	53	No
3 rd & Bellevue St	5/12/26	0602	0.00	S	7	53	No
4 th & Lincoln Ave	5/12/26	0606	0.00	S	7	53	No
5 th & Joplin St	5/12/26	0608	0.00	S	7	53	No

* Readings less than 3 PPB are below the J605 instrument detection range and cannot be accurately verified.

**A value other than “No” in the Odor column indicates the presence of a rotten egg smell indicative of sulfur in a manner described as intermittent or consistent. It may be further described as a light or strong odor indicated by an (L) or (S), respectively. e.g. Intermittent, Intermittent (L), Intermittent (S), Consistent, Consistent (L), Consistent (S)

- It must be noted that odor documentation can be subjective, and it is based on the discretion of the technician collecting the data.

The monitoring was conducted by Shane McKinzie, and the opportunity to provide this service is very much appreciated. If you have questions, comments, or need additional information, please do not hesitate to reach out.

Sincerely,

A handwritten signature in black ink, appearing to read 'Shane McKinzie', with a horizontal line extending to the right from the end of the signature.

Shane McKinzie


shanemckinzie2@gmail.com

417-499-3481

Ambient Air Monitoring Locations Map

City of Galena, KS C&D Landfill
KDHE Permit No. 738

Legend

 Sampling Location

