

January 19, 2026

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

RE: Afternoon/Evening Ambient Air Monitoring Activity – 1/19/2026
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 afternoon and evening of January 19, 2026, for hydrogen sulfide (H₂S) around the Jordan Disposal Landfill. The afternoon event was after discovering a “warm spot” on the NW side of the landfill during a thermal inspection alongside Michelle Murphy. A significant odor was observed at that location around 1:30pm, and the Jerome unit was subsequently obtained and used to analyze three air samples approximately 2 to 3 feet above the ground at that location. 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. The standard seven (7) predetermined locations were analyzed later in the evening, per the typical protocol. 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.

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**
NW of Working Face on LF	1/19/26	1401	435.00	NNW	6	25	Consistent (S)
NW of Working Face on LF	1/19/26	1402	144.00	NNW	6	25	Consistent (S)
NW of Working Face on LF	1/19/26	1403	879.00	NNW	6	25	Consistent (S)
1 st & Galena Ave	1/19/26	2038	0.00	SW	2	19	No
Front St – E. of Bridge	1/19/26	2042	0.00	SW	3	19	No
Front & Bellevue St	1/19/26	2045	0.00	SW	3	19	No
Landfill Gate	1/19/26	2047	0.00	SW	3	19	No
1401 K 66	1/19/26	2053	0.00	SSW	3	19	No
3 rd & Bellevue St	1/19/26	2057	0.00	SSW	3	18	No
4 th & Lincoln Ave	1/19/26	2101	0.00	SSW	3	18	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.

Shane McKinzie
shanemckinzie2@gmail.com
417-499-3481

Ambient Air Monitoring Locations Map

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

Legend

 Sampling Location



NW of Working Face on Landfill

Front & Bellevue

Landfill Gate

1st & Galena

3rd & Bellevue

4th & Lincoln

1401 K 66

Google Earth

Image © 2026 Airbus



1000 ft