

March 27, 2026

Josh Reed  
City Superintendent  
1020 S Wood St.  
Galena, KS 66739  
[j.reed@galenaks.gov](mailto:j.reed@galenaks.gov)

**RE: Morning Ambient Air Monitoring Activity – 3/27/2026**  
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 March 27, 2026, for hydrogen sulfide (H<sub>2</sub>S) 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 H<sub>2</sub>S 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 H<sub>2</sub>S 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 <sub>2</sub> S Reading (PPB)*	Wind Direction	Wind Speed (MPH)	Temp (°F)	Sulfur Odor**
1 <sup>st</sup> & Galena Ave	3/27/26	0935	0.00	NNE	20	46	No
Front St – E. of Bridge	3/27/26	0939	0.00	NNE	20	46	No
Front & Bellevue St	3/27/26	0942	0.00	NNE	20	46	No
NW of LF Working Face	3/27/26	0951	0.00	NNE	20	46	No
1401 K 66	3/27/26	1018	0.00	NNE	18	46	No
3 <sup>rd</sup> & Bellevue St	3/27/26	1022	0.00	NNE	18	46	No
4 <sup>th</sup> & Lincoln Ave	3/27/26	1026	0.00	NNE	18	46	Consistent
5 <sup>th</sup> & Joplin St	3/27/26	1028	0.00	NNE	18	47	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,




Shane McKinzie  
[shanemckinzie2@gmail.com](mailto: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



Google Earth

Image © 2026 Airbus