

July 21, 2026

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

**RE: Evening Ambient Air Monitoring Activity – 7/10/2026**  
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 evening of July 10, 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  | 7/10/26 | 2210 | 0.00                            | SSW            | 6                | 81        | No            |
| Front St – E. of Bridge       | 7/10/26 | 2213 | 0.00                            | SSW            | 6                | 81        | Yes           |
| Front & Bellevue St           | 7/10/26 | 2215 | 0.00                            | SSW            | 6                | 81        | No            |
| Landfill Gate                 | 7/10/26 | 2217 | 0.00                            | SSW            | 6                | 81        | No            |
| 1401 K 66                     | 7/10/26 | 2221 | 0.00                            | SSW            | 6                | 81        | No            |
| 3 <sup>rd</sup> & Bellevue St | 7/10/26 | 2225 | 0.00                            | SSW            | 6                | 81        | No            |
| 4 <sup>th</sup> & Lincoln Ave | 7/10/26 | 2228 | 0.00                            | SSW            | 6                | 81        | No            |
| 5 <sup>th</sup> & Joplin St   | 7/10/26 | 2231 | 0.00                            | SSW            | 6                | 81        | No            |

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

\*\*A value of “Yes” indicates the presence of a rotten egg smell indicative of sulfur.

- 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 Blake Lasseigne, 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  
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417-499-3481

# Ambient Air Monitoring Locations Map

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

## Legend

 Sampling Location



Google Earth

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