October 18, 2026

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

RE: Evening Ambient Air Monitoring Activity – 10/18/2026
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 October 18, 2026, for hydrogen sulfide (H_2S) 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_2S 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_2S 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_2S Reading (PPB)*	Wind Direction	Wind Speed (MPH)	Temp (°F)	Sulfur Odor**
1st & Galena Ave	10/18/26	2139	0.00	SE	5	52	No
Front St – E. of Bridge	10/18/26	2142	0.00	SE	5	52	No
Front & Bellevue St	10/18/26	2145	0.00	SE	5	51	No
Landfill Gate	10/18/26	2147	0.00	SE	5	51	No
1401 K 66	10/18/26	2151	0.00	SE	5	51	No
3rd & Bellevue St	10/18/26	2155	0.00	SSE	6	51	No
4th & Lincoln Ave	10/18/26	2200	0.00	SSE	6	51	No
5th & Joplin St	10/18/26	2203	0.00	SSE	6	51	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 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
417-499-3481


Ambient Air Monitoring Locations Map
City of Galena, KS C&D Landfill
KDHE Permit No. 738
Legend
Sampling Location
Front & Bellevue
Landfill Gate
Front St - E of Bridge
1st & Galena
3rd & Bellevue
4th & Lincoln
1401 K 66
5th & Joplin
Clark St
N Main St
S Main St
Galena Ave
Bellevue St
Shaw Hill Rd
E 2nd St
E 3rd St
E 4th St
E 5th St
E 6th St
E 7th St
Chicago
Keller St
Short Creek
Google Earth
Image © 2026 Airbus
N
1000 ft