



May 17, 2026

Kansas Department of Health and Environment
Bureau of Waste Management
1000 SW Jackson Street, Suite 400
Topeka, KS 66612-1367
Attention: Heather Merritt

RE: Ambient Air Monitoring Activities – 4/21/2026
City of Galena Construction and Demolition Landfill
KDHE Permit No. 738
Galena, Cherokee County, Kansas

Dear Ms. Merritt,

Air monitoring was conducted on April 21, 2026, according to the Ambient Air Monitoring Protocol dated October 6, 2025, and approved by KDHE on October 29, 2025. The protocol, following Kansas Administrative Regulations (K.A.R.) 28-29-333(b)(1), included the use of a Jerome J605 to monitor hydrogen sulfide (H₂S) in parts per billion (ppb) and a Landtec GEM5000 to monitor methane (CH₄) concentrations as a percent of the lower explosive limit (LEL). These two instruments were calibrated prior to use, and a prevailing south-southwest wind determined the monitoring locations. A Kestrel 4000 was used on site as a handheld weather meter to determine wind speed, temperature, humidity, dew point, and barometric pressure. A handheld Garmin GPS device was utilized to document the location of each sampling event along the landfill property boundary.

One location was monitored on the upwind (south) side of the landfill boundary as a background location, and a total of three additional locations were monitored downwind along the north side of the property. The H₂S readings were taken every minute for 15 minutes, and the Time Weighted Average (TWA) was documented as the average of the 15 readings from each location. The south (Sample ID 26042101) and northeast (Sample ID 26042102) locations registered no detectable H₂S concentrations (≥ 0.003 ppm); however, the north-central (Sample ID 26042103) and northwest (Sample ID 26042104) locations exhibited a sulfur odor and detectable H₂S concentrations. The north central location exhibited H₂S concentrations ranging from 0 to 25.13 parts per billion (ppb), with a TWA of 5.63 ppb. The northwest location exhibited H₂S concentrations ranging from 3.77 to 46.92 ppb, with a TWA of 11.85 ppb.

All sampling locations did not register any methane concentrations above 0.0%. A site map is included as an attachment to this letter, and the tables attached below exhibit the air monitoring data (Table 1) and the location and weather conditions (Table 2) of each sampling location. Calibration certificates/reports for both the Jerome J605 and GEM5000 instruments are also included as attachments to this letter.

TriCore appreciates your time and consideration on this matter. If you have questions, comments, or need additional information, please do not hesitate to contact the undersigned.

Sincerely,

TriCore Group, LLC



Greg A. Vance



Joe Paul Edwards, P.E.

Attachments: Table 1: Ambient Air Monitoring Data
Table 2: Ambient Air Monitoring Location, Weather, and Observations
Figure 1: Air Monitoring Locations
Instrument Calibration Documents

Cc: Ashley Groves – City of Galena
Michelle Murphy – Jordan Disposal
Mads Gisselbaek – Jordan Disposal

C&D Landfill (No. 738) Ambient Air Monitoring Data

Table 1: Ambient Air Monitoring Data

| Sample ID | Date | Time | Individual H ₂ S Readings | | | | | | | | | | | | | | | H ₂ S TWA | CH ₄ |
|-----------|---------|-----------|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------------|-----------------|
| | | | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | | |
| 24042101 | 4/21/26 | 1421-1435 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.0 |
| 24042102 | 4/21/26 | 1444-1458 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.0 |
| 24042103 | 4/21/26 | 1508-1522 | 0 | 0.02513 | 0.01221 | 0.00602 | 0 | 0 | 0.02232 | 0.00425 | 0.01452 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00563 | 0.0 |
| 24042104 | 4/21/26 | 1534-1548 | 0.00377 | 0.00717 | 0.00651 | 0.02819 | 0.00576 | 0.00492 | 0.04692 | 0.02997 | 0.00934 | 0.00673 | 0.00559 | 0.00398 | 0.00717 | 0.00424 | 0.00742 | 0.01185 | 0.0 |
| 24042105 | 4/21/26 | 1600 | 0 | | | | | | | | | | | | | | | n/a | 0.0 |

*The H₂S (hydrogen sulfide) results are reported in parts per million (ppm).

**The CH₄ (methane) results are reported as a percentage of the lower explosive limit (LEL).

Table 2: Ambient Air Monitoring Location, Weather, and Observations

| Sample ID | Date | Time | Latitude | Longitude | Wind Direction | Wind Speed (mph) | Temp. (F) | Humidity (%) | Dew Point | Barometric Pressure | Odor Observations |
|-----------|---------|-----------|------------|------------|----------------|------------------|-----------|--------------|-----------|---------------------|---|
| 24042101 | 4/21/26 | 1411-1413 | 37.078556 | -94.631945 | SSW | 12 | 74.8 | 45.7 | 52.0 | 29.11 | No noticeable odor |
| 24042102 | 4/21/26 | 1446-1448 | 37.082189 | -94.628680 | SSW | 12 | 76.4 | 51.2 | 57.3 | 29.09 | No noticeable odor |
| 24042103 | 4/21/26 | 1511-1513 | 37.082196 | -94.631302 | SSW | 13 | 76.1 | 55.6 | 58.1 | 29.15 | Intermittent strong sulfur odor |
| 24042104 | 4/21/26 | 1537-1539 | 37.082122 | -94.633618 | SSW | 14 | 73.7 | 56.4 | 58.7 | 29.14 | Consistent sulfur odor, but stronger at times |
| 24042105 | 4/21/26 | 1559-1601 | Scalehouse | | n/a | n/a | n/a | n/a | n/a | n/a | No noticeable odor |

*Each weather reading is reported as: Wind Speed = miles per hour, Temperature & Dew Point = degrees Fahrenheit, Humidity = percentage, and Barometric Pressure = inches of mercury



FIGURE 1
 AMBIENT AIR MONITORING
 JORDAN DISPOSAL LANDFILL
 AIR MONITORING LOCATIONS 4.21.26



TriCore Group, LLC
 PO Box 720992
 Oklahoma City, OK 73172
 405-256-2277
 www.tricoregrp.com

Address:
 1040 East Front Street
 Galena, KS 66739

County: Cherokee
 Lat: 37.083115
 Long: -94.62861

Drafted by SCM
 Drafted Date: 4/23/26
 Project #26C1KS-010



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

4911-99 Street NW
Edmonton, AB T6E 4Y1
Office: 780-643-2680
Fax: 780-468-3050

Pine Environmental Services, Inc.

Instrument ID 22232
Description Arizona Jerome J605 Hydrogen Sulfide Analyzer
Calibrated 3/20/2026 12:36:07PM

| | |
|---|------------------------|
| Manufacturer Arizona | State Certified |
| Model Number J605 | Status Pass |
| Serial Number/ Lot Number 60500188 | Temp °C 24.1 |
| Location Edmonton | Humidity % 20 |
| Department | |

Calibration Specifications

Group # 1
Group Name Operational Check / Regen /
Zero Check

Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

| <u>Test Standard ID</u> | <u>Description</u> | <u>Manufacturer</u> | <u>Model Number</u> | <u>Serial Number / Lot Number</u> | <u>Next Cal Date / Last Cal Date/ Expiration Date Opened Date</u> |
|-------------------------|--------------------|---------------------|---------------------|---------------------------------------|---|
|-------------------------|--------------------|---------------------|---------------------|---------------------------------------|---|

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Diya P. Patel

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



CERTIFICATE NUMBER 381208
CUSTOMER NAME PINE ENVIRONMENTAL
ADDRESS 92 N MAIN ST
 BLDG 20
 WINDSOR NJ 08561
 USA

INSTRUMENTATION & SPECIALTY CONTROLS DIVISION
 11 Commerce Blvd. | Middleboro, MA 02346
 P: 508.946.6200 | F: 508.946.6262

CERTIFICATE OF INSTRUMENT CALIBRATION

| <u>MODEL</u> | <u>SERIAL NUMBER</u> | <u>CALIBRATION DATE</u> | <u>CALIBRATION DUE DATE</u> |
|--------------|----------------------|-------------------------|-----------------------------|
| J605-0001 | 60500188 | 9/24/2025 | 9/23/2026 |

To the NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY within the limitations of the Institute's calibration services, or have been derived from accepted values of natural physical constants, or have been derived by the ratio type of self-calibration techniques. Disclaimer: Any unauthorized adjustments, removal or breaking of QC seals, or other customer modifications on your Jerome Analyzer WILL VOID this factory calibration. Because any of the above acts could affect the calibration and readings of the instrument, their certification will no longer be valid and, further, AMETEK Brookfield WILL NOT be responsible for any liabilities created as a result of using the instrument after such adjustments, seal removal, or modifications. This document shall not be reproduced, except in full, without the written approval of AMETEK Brookfield.

REFERENCE EQUIPMENT USED TO CALIBRATE THE EQUIPMENT

| <u>TYPE/MODEL</u> | <u>SERIAL/LOT NUMBER</u> | <u>CALIBRATION DATE</u> | <u>CALIBRATION DUE DATE</u> |
|-------------------|--------------------------|-------------------------|-----------------------------|
| Cal Set | CC240536 | 2/21/2024 | 2/21/2027 |
| <u>TYPE/MODEL</u> | <u>SERIAL/LOT NUMBER</u> | <u>CALIBRATION DATE</u> | <u>CALIBRATION DUE DATE</u> |
| Alicat | 124604 | 1/29/2025 | 1/30/2026 |
| <u>TYPE/MODEL</u> | <u>SERIAL/LOT NUMBER</u> | <u>CALIBRATION DATE</u> | <u>CALIBRATION DUE DATE</u> |
| Alicat | 124602 | 1/29/2025 | 1/30/2026 |
| <u>TYPE/MODEL</u> | <u>SERIAL/LOT NUMBER</u> | <u>CALIBRATION DATE</u> | <u>CALIBRATION DUE DATE</u> |
| Fluke | 95640975 | 8/11/2025 | 8/11/2026 |

NIST TRACE # SRM 2730; 65-D-035; CAL013399

PROCEDURE #: 730-0099

All reference equipment used to calibrate the instrument listed upon this certificate have calibrations that are traceable to the National Institute of Standards and Technology (NIST).

APPROVAL SIGNATURE

TODD PLACE, QUALITY ENGINEER

CALIBRATION PERFORMED BY GM



September 24, 2025
 3375 N. Delaware Street, Chandler, AZ 85225
 800.528.7411 Fax 602.281.1745
 BrookfieldEngineering.com

J605 Incoming / Outgoing Data Sheet

| MODEL | SRO NUMBER | SERIAL NUMBER |
|-------|------------|---------------|
| J605 | S205902 | 60500188 |

| <u>INCOMING</u> | | |
|---|---|------------------------------------|
| Calibration Gas | | |
| | Allowable Range $\pm 6\%$ 0.47 to 0.53 ppm H2S | $\leq 3\%$ |
| Concentration | Mean @ Saturation | Relative Standard Deviation |
| <input type="text" value="0.5000"/> ppm H2S | <input type="text" value="0.4513"/> ppm H2S | <input type="text" value="2.87%"/> |
| Calibration Status as Received: | Out of Calibration. | |
| <u>OUTGOING</u> | | |
| Calibration Gas | | |
| | Allowable Range 0.47 to 0.53 ppm H2S $\pm 6\%$ | $\leq 5\%$ |
| Concentration | Mean @ Saturation | Relative Standard Deviation |
| <input type="text" value="0.500"/> ppm H2S | <input type="text" value="0.491"/> ppm H2S | <input type="text" value="0.60%"/> |
| Calibration Status as Left: | In Calibration. | |

Estimated Uncertainty of Calibration System: 3.5%



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

Pine Environmental Services, Inc.

Instrument ID 220160
 Description GEM5000
 Calibrated 4/15/2026 11:11:48AM

| | |
|----------------------------|-----------------|
| Manufacturer QED | State Certified |
| Model Number GEM5000 | Status Pass |
| Serial Number/ Lot G509297 | Temp °C 20 |
| Number | |
| Location Illinois | Humidity % 54 |
| Department | |

Calibration Specifications

| Calibration Specifications | | | | | | | |
|----------------------------|----------------|----------------|-----------------|---------------|---------------|-------------|------------------|
| Group # 1 | | | | Range Acc % | 0.0000 | | |
| Group Name Methane | | | | Reading Acc % | 3.0000 | | |
| Stated Accy Pct of Reading | | | | Plus/Minus | 0.00 | | |
| <u>Nom In Val / In Val</u> | <u>In Type</u> | <u>Out Val</u> | <u>Out Type</u> | <u>Fnd As</u> | <u>Lft As</u> | <u>Dev%</u> | <u>Pass/Fail</u> |
| 50.00 / 50.00 | %Volume | 50.00 | %Volume | 53.80 | 50.00 | 0.00% | Pass |
| Group # 2 | | | | Range Acc % | 0.0000 | | |
| Group Name Carbon Dioxide | | | | Reading Acc % | 3.0000 | | |
| Stated Accy Pct of Reading | | | | Plus/Minus | 0.00 | | |
| <u>Nom In Val / In Val</u> | <u>In Type</u> | <u>Out Val</u> | <u>Out Type</u> | <u>Fnd As</u> | <u>Lft As</u> | <u>Dev%</u> | <u>Pass/Fail</u> |
| 35.00 / 35.00 | %Volume | 35.00 | %Volume | 35.40 | 35.00 | 0.00% | Pass |
| Group # 3 | | | | Range Acc % | 0.0000 | | |
| Group Name Oxygen | | | | Reading Acc % | 3.0000 | | |
| Stated Accy Pct of Reading | | | | Plus/Minus | 0.00 | | |
| <u>Nom In Val / In Val</u> | <u>In Type</u> | <u>Out Val</u> | <u>Out Type</u> | <u>Fnd As</u> | <u>Lft As</u> | <u>Dev%</u> | <u>Pass/Fail</u> |
| 20.90 / 20.90 | % | 20.90 | % | 20.90 | 20.90 | 0.00% | Pass |
| Group # 4 | | | | Range Acc % | 0.0000 | | |
| Group Name H2S | | | | Reading Acc % | 0.0000 | | |
| Stated Accy Pct of Reading | | | | Plus/Minus | 3.00 | | |
| <u>Nom In Val / In Val</u> | <u>In Type</u> | <u>Out Val</u> | <u>Out Type</u> | <u>Fnd As</u> | <u>Lft As</u> | <u>Dev%</u> | <u>Pass/Fail</u> |
| 50.00 / 50.00 | PPM | 50.00 | PPM | 45.00 | 50.00 | 0.00% | Pass |
| Group # 5 | | | | Range Acc % | 0.0000 | | |
| Group Name CO | | | | Reading Acc % | 0.0000 | | |
| Stated Accy Pct of Reading | | | | Plus/Minus | 3.00 | | |
| <u>Nom In Val / In Val</u> | <u>In Type</u> | <u>Out Val</u> | <u>Out Type</u> | <u>Fnd As</u> | <u>Lft As</u> | <u>Dev%</u> | <u>Pass/Fail</u> |
| 1000.00 / 1000.00 | PPM | 1000.00 | PPM | 1,021.00 | 1,000.00 | 0.00% | Pass |

INSTRUMENT CALIBRATION REPORT



Pine Environmental Services LLC

Pine Environmental Services, Inc.

Instrument ID 220160
Description GEM5000
Calibrated 4/15/2026 11:11:48AM

| <u>Test Instruments Used During the Calibration</u> | | | | <u>(As Of Cal Entry Date)</u> | | |
|---|--|---------------------|---------------------|---------------------------------------|---------------------------------------|--|
| <u>Test Standard ID</u> | <u>Description</u> | <u>Manufacturer</u> | <u>Model Number</u> | <u>Serial Number / Lot Number</u> | <u>Last Cal Date/ Opened Date</u> | <u>Next Cal Date / Expiration Date</u> |
| IL GEM CH4 50% CO2 35% | IL GEM CH4 50% CO2 35% (31803) 103L | Airgas | # 9 | 304-403463525 -1 | 3/5/2026 | 10/15/2030 |
| IL GEM CO 1000PPM, H2S 50PPM | IL GEM CO 1000PPM, H2S 50PPM (32278) 34L | Airgas | # 10 | 304-403463375 -1 | 3/5/2026 | 10/15/2027 |

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Ivan Guerrero

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance