



**CONESTOGA-ROVERS
& ASSOCIATES**

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October 29, 2009

Reference No. 055710

Mr. Thomas Lewis
District Manager
WMNY - CHAFFEE LANDFILL
10860 Olean Road
Chaffee, NY 14030

Dear Mr. Lewis:

Re: Fourth Quarter Surface Monitoring at Chaffee Landfill
NYSDEC Permit ID No.: 9-1642-00001/00013

On October 14, 2009 Conestoga-Rovers & Associates, Inc. (CRA) conducted the fourth quarter surface monitoring at the Waste Management of New York, LLC - Chaffee Landfill facility located in Sardinia, New York. The monitoring was conducted in accordance with Code of Federal Regulations (CFR) Title 40, Part 60, Appendix A, Method 21.

Mr. Bryan Szalda of CRA performed the calibration evaluation and monitoring using a Thermo Environmental Instruments Toxic Vapor Analyzer (TVA) 1000 flame ionization detector (FID) to determine surface methane levels. Attachment 1 contains the monitoring instrument performance evaluation and calibration documentation. Mr. Bryan Szalda was accompanied with Mr. Al Zylinski of the New York State Department of Environmental Conservation (NYSDEC) during the surface monitoring. The monitoring followed a serpentine pattern at 30-meter intervals, as required in 40 CFR Part 60 Subpart 60.753, and generally followed the pattern described in the Surface Monitoring Plan for the facility.

During the surface scan, the following area was avoided for safety reasons, as stated under 40 CFR 60.753(d):

- The southern portion of the Original Landfill is being prepared for final cap construction. During the surface scan, a number of trucks and heavy equipment were operating on the southern portion of the landfill. In addition, the soil in this region was unstable and un-level, making it very difficult to traverse this area.

Figure 1 shows the area described above, which could not be monitored during this quarterly period.

During the fourth quarter surface scan, no readings exceeding the 500-ppm limit were detected at any of the locations, and no further action is required for the Q-4 monitoring period. Therefore the Chaffee Landfill facility is in compliance with the requirement of 40 CFR 60.753(d) for Municipal Solid Waste (MSW) Landfills.

Yours truly,

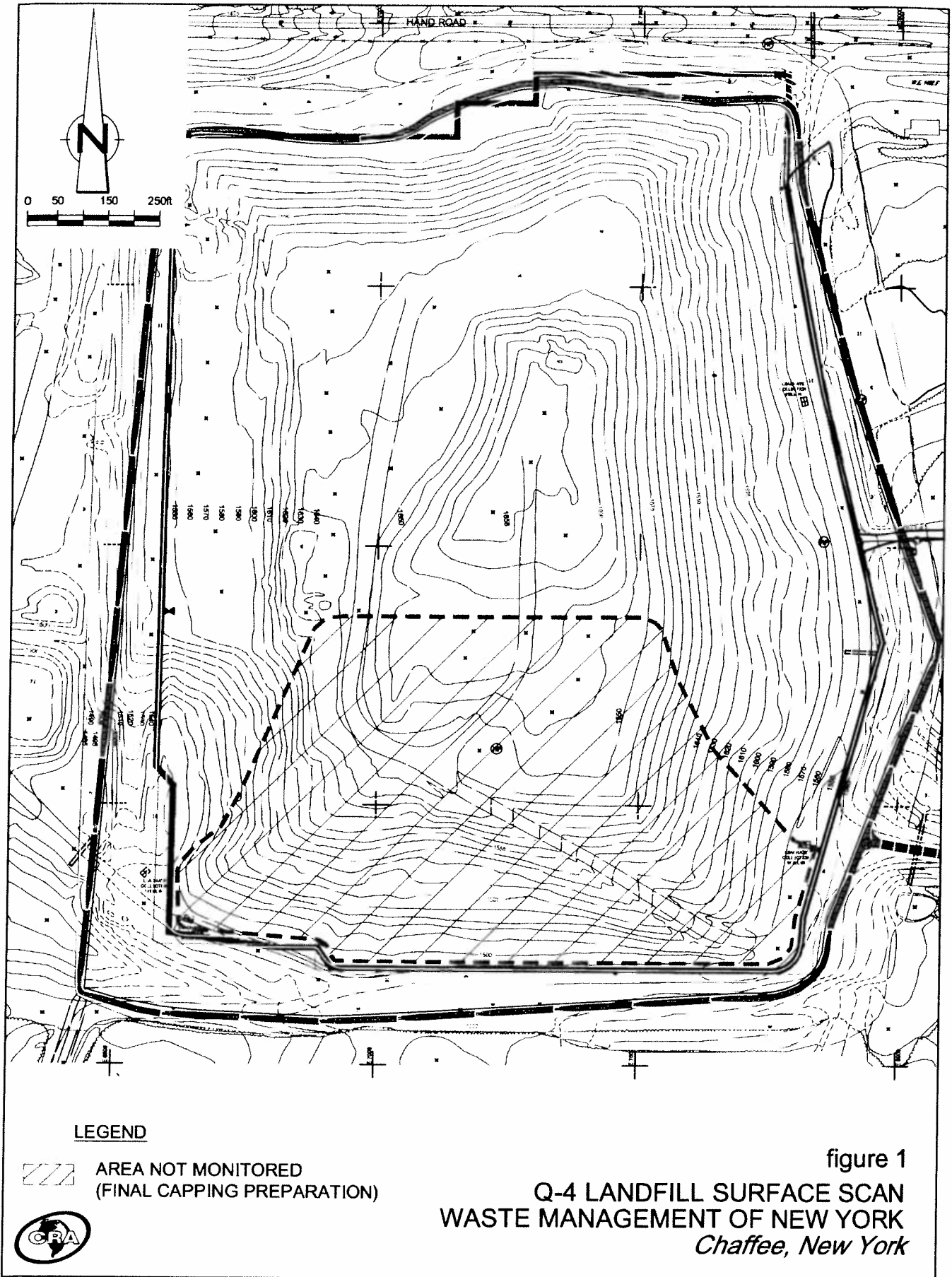
CONESTOGA-ROVERS & ASSOCIATES

William F. Doebler IV
WFD/cs/5

Equal
Employment Opportunity
Employer

REGISTERED COMPANY FOR
ISO 9001
ENGINEERING DESIGN

FIGURE



LEGEND

 AREA NOT MONITORED
(FINAL CAPPING PREPARATION)



figure 1
Q-4 LANDFILL SURFACE SCAN
WASTE MANAGEMENT OF NEW YORK
Chaffee, New York

ATTACHMENT 1

MONITORING INSTRUMENT PERFORMANCE EVALUATION AND CALIBRATION
DOCUMENTATION



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Project Number: 055710

Client: WMNY

Date: 10-14-09

Operator Name: Bryan Szalda

Facility: Chaffee Landfill

Instrument ID: IE TVA-1000 FID (4B18276B)

Calibration Gas Conc.: 500 ppm

90% of Calib. Gas Conc.: 450 ppm

<u>Trial No.</u>	<u>Time to reach 90% gas value</u>
1	<u>4.0</u> seconds
2	<u>4.0</u> seconds
3	<u>4.0</u> seconds
Average	<u>4.0</u> seconds

NOTE: Must be < 30 seconds

<u>Trial No.</u>	<u>Meter Reading After Zero Gas *</u>	<u>Meter Reading After Methane Gas</u>	<u>Difference Between Calibration Gas and Meter Reading</u>
1	<u>0</u> ppm	<u>507</u> ppm	<u>7</u> ppm
2	<u>0</u> ppm	<u>506</u> ppm	<u>6</u> ppm
3	<u>0</u> ppm	<u>507</u> ppm	<u>7</u> ppm

Average Difference: 6.67 ppm

$$\begin{aligned}
 \text{Calibration Precision} &= \text{Average Difference} / \text{Calibration Gas Conc.} \times 100\% \\
 &= \frac{6.67}{500} \times 100\% \\
 &= 1.3\%
 \end{aligned}$$

* If results are > zero (0 ppm) then an internal calibration is required



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Project Number: 055710

Client: WMNY

General Information:

Date: 10-14-09

Operator Name: Bryan Szalda

Facility: Chaffee landfill

Instrument ID: IE TVA-1000 FID (413182763)

Wind Direction: N NE E SE S SW W (NW) (circle one)

Approximate Wind Speed ~ 5 mph

General Weather: 35 °F,
clear, partly cloudy, overcast (circle one or write in)

no precip., drizzle, rain, snow, _____ (circle one or write in)

Calibration Information:

Calibration Gas Conc.: 500 ppm

Conduct internal zero calibration? Yes No (circle one)

Instrument reading after calibration: 500 ppm (should be same as above)

Time of Calibration: 9:20 (am) pm (fill in and pick one)

Background Concentration Information:

Background concentration upwind of site: 1.4 ppm

Background concentrations downwind of site: 3.8 ppm

Average: 2.6 ppm

Location of background readings

Upwind: NW of Old Landfill at fence

Downwind: SE of Old Landfill at road