
THE COLINAS GROUP, INC.
HYDROGEOLOGISTS & ENGINEERS

January 7, 2011

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway Dept. of Environmental Protection
Temple Terrace, FL 33637

FEB 14 2011

Subj: Sumter County Closed Landfill Southwest District
Long-Term Care Permit No. 22926-003-SF
2010 Annual Gas Migration Monitoring
TCG Project No. P-431

Dear Mr. Morris:

In accordance with the Sumter County Closed Landfill Long-Term Care Permit requirements, The Colinas Group, Inc. (TCG) measured and recorded landfill gas concentrations at Gas Probes and Gas Vents located throughout the landfill property. Locations of measuring points are shown on attached Figure 1. Gas measurements were recorded on December 10, 2010. A copy of the Calibration Certificate for the methane monitoring instrument used is attached.

Ambient air in the Animal Control buildings, Recyclable Storage Area, Equipment and Maintenance Shop, Old Material Recovery building and New Material Recovery Tipping Area was tested upon morning opening. All measurements in these buildings and work areas were reported as zero percent methane LEL.

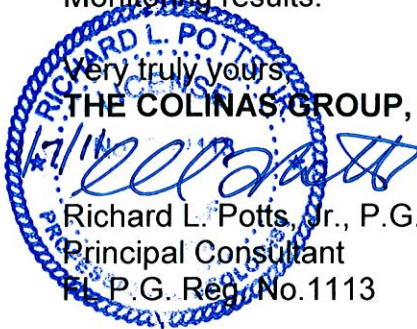
Perimeter Gas Probes (GP-1 through GP-4 and M-1 through M-20) reported zero percent methane LEL. Gas Vents located within the closed waste cell footprint reported varying percentages of methane LEL, ranging from zero to 100 % LEL. Reported methane measurements for Gas Probes, Gas Vents and occupied buildings are shown on Figure 1.

The former landfill Scale House building and nearby Office building (trailer) to the northeast are permanently closed and locked and were not tested. Gas Probes M-6 and M-17 were found destroyed, apparently by mowing equipment, and could not be measured.

Please let me know if you have any questions concerning the Gas Migration Monitoring results.

Very truly yours

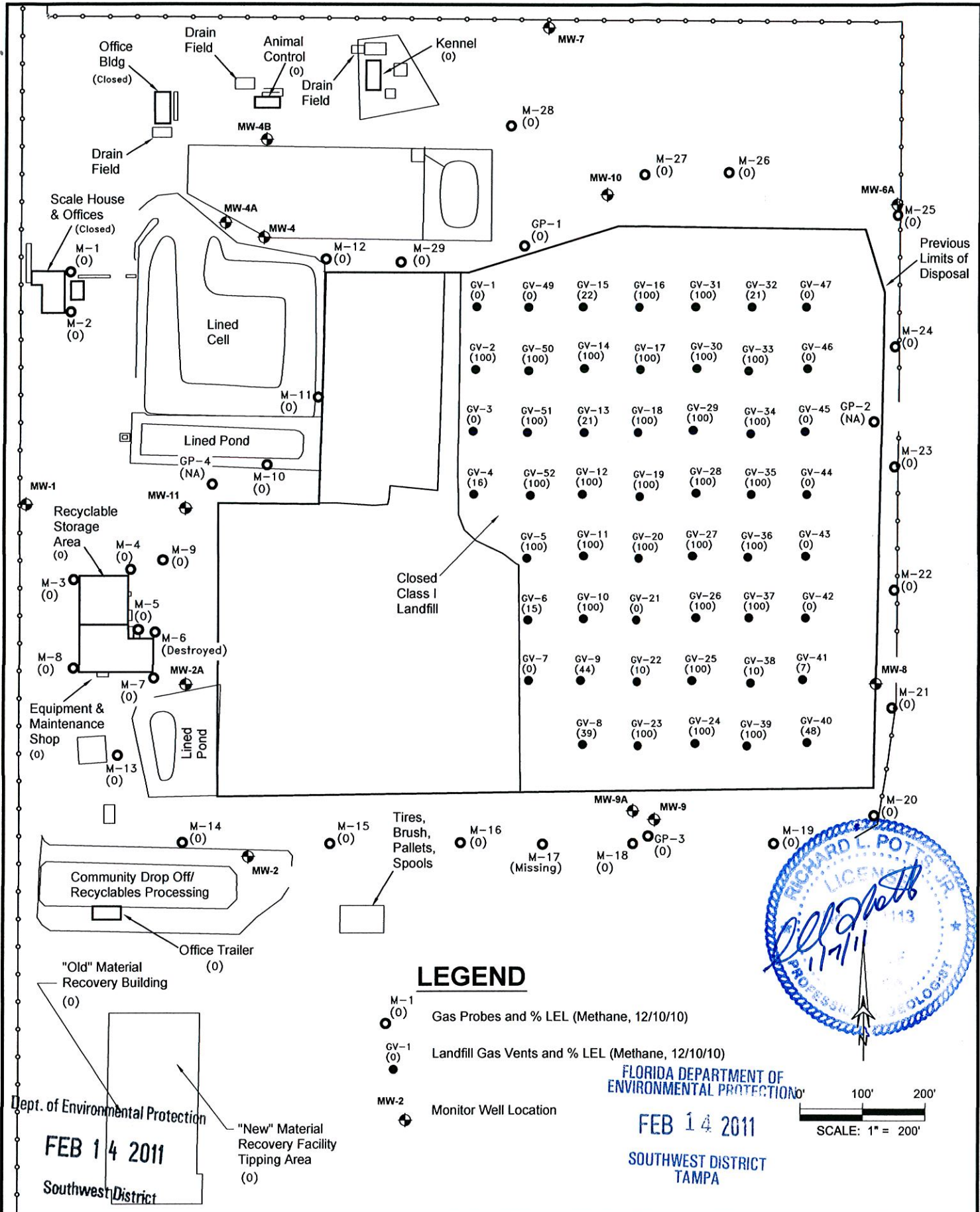
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Richard L. Potts, Jr., P.G.
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FL P.G. Reg. No.1113

cc: Jimmy Wise, Sumter County
Denise Warnock, Sumter County

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The Colinas Group, Inc.
 509 N. Virginia Avenue
 Winter Park, Florida 32789

PROJ. NO.: P-431
 DATE: DECEMBER 2010
 SCALE: 1" = 200'

**SUMTER COUNTY CLOSED CLASS I LANDFILL
 YEAR 2010 ANNUAL LANDFILL GAS
 MIGRATION MONITORING
 SUMTER COUNTY, FLORIDA**

FIGURE 1

Cyclone Instruments
73 W. Colonial Drive
Orlando, FL 32801
(407) 246-7276

CALIBRATION CERTIFICATE

RAE Systems
VRAE Toxic Gas Meter

SERVICE DATE: 12.10.10

TECHNICIAN: Peter Joseph

SERIAL #: SN # 101710

CALIBRATION CHECK

Calibration Gas Standards Used: Certified Gas
Accuracy +/- 5% Certified
Lot #LK 2020 cm exp 10/2011

		Instrument Response
Oxygen	20.9 %	<u>20.9</u>
Hydrogen Sulfide	25 ppm	<u>24</u>
Carbon Monoxide	50 ppm	<u>50</u>
LEL (methane 2.5%)	50 %	<u>49</u>

The calibration results were obtained by following the manufactures standard Calibration Procedures.

All measurement standards are calibrated at scheduled intervals as prescribed by the NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST) or are measured against certified standards which are traceable to the National Institute of Standards and Technology, formerly the National Bureau of Standards (NBS).

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