



**WASTE MANAGEMENT INC. OF FLORIDA**

Vista Landfill, LLC.  
242 W. Keene Road  
Apopka, FL 32703  
P:407-886-2920 F:407-889-8043

January 3, 2012

Gloria-Jean De Pradine  
Florida Department of Environmental Protection  
Central District Solid Waste Section  
3319 Maguire Boulevard, Suite 232  
Orlando, FL 32803

Subject: Vista Landfill  
Quarterly Methane Sampling Report

Dear Ms. De Pradine:

Enclosed is the methane monitoring report for the fourth quarter of 2011. Please contact me at (386) 804-4183 if you have any questions or need additional information regarding this submittal.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Paul Bermillo', written in a cursive style.

Paul Bermillo  
Environmental Protection Manager  
North Florida Market Area

cc: James Getting, Waste Management  
Jay Davoll, City of Apopka

**VISTA LANDFILL  
 QUARTERLY LANDFILL GAS MONITORING AND ACTIVITIES REPORT  
 4th QUARTER 2011**

**SIGNIFICANT ACTIVITIES**

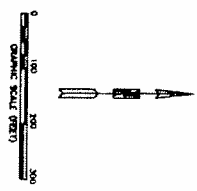
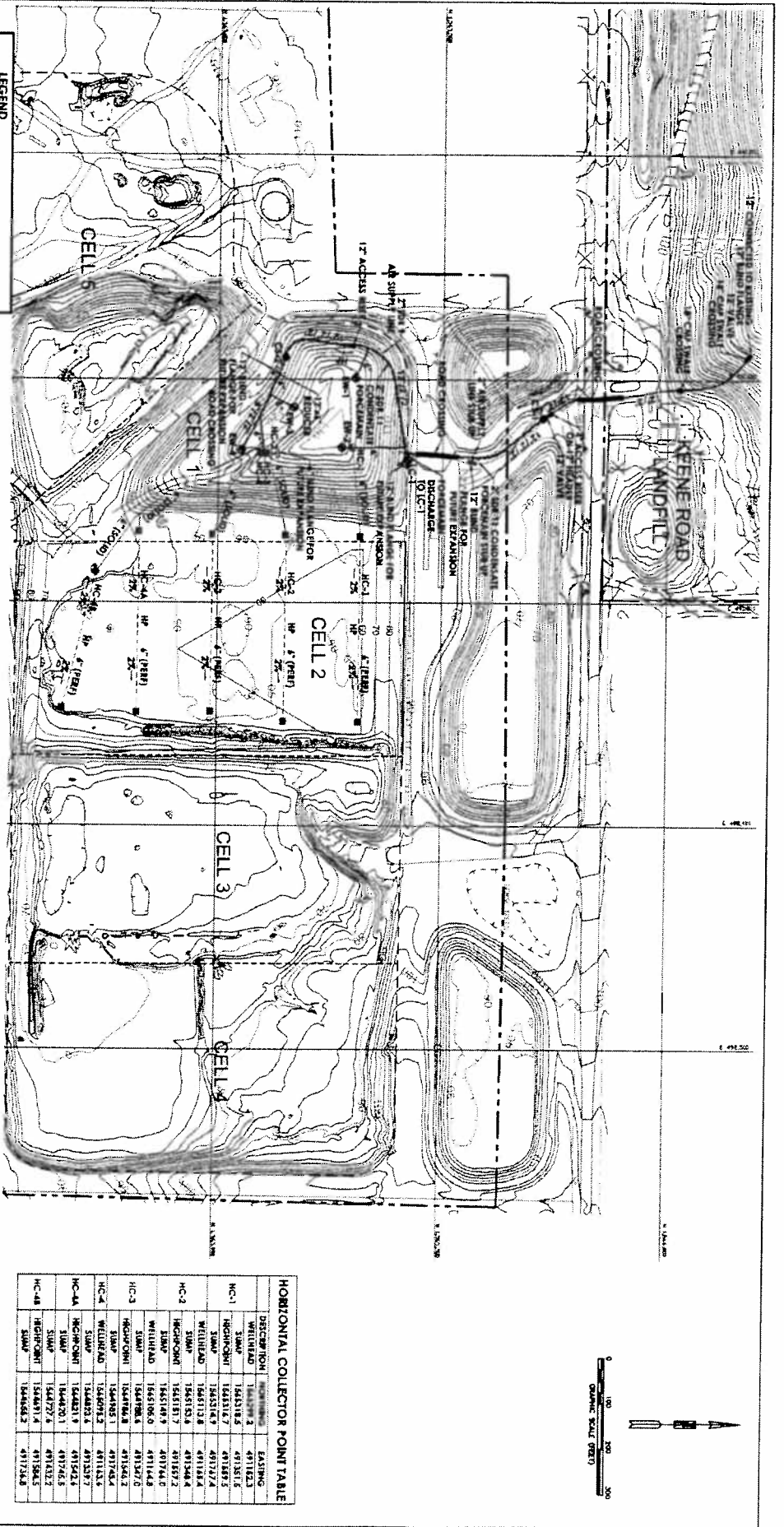
- Routine perimeter gas monitoring occurred on December 21, 2011.
- No objectionable odors or gas migration issues were noted.
- Previously, Vista Landfill performed 6 barhole punches to monitor for landfill gas. For the 1<sup>st</sup> Quarter 2009 and beyond readings, Vista Landfill has installed 8 permanent gas monitoring probes. The construction of the permanent gas monitoring probes does not allow the technician to take water levels, thus they are not shown or reported on this document.
- Vista Landfill installed 4 passive gas vents on September 28, 2010 to aid in the collection and control of gas being generated in Cell 1. As allowed by the Title V construction permit issued by Orange County, these 4 wells were connected to the Keene Road Landfill active gas collection system on the week of February 18<sup>th</sup>.
- Vista Landfill installed 5 horizontal gas collectors in Cell 2 in April 2011. These collectors are also connected to the Keene Road gas collection system.

**GAS MONITORING RESULTS**

Date Monitored: December 21, 2011  
 Analyst: J. Lowery  
 Gas Instrument Type: GEM 2000; Serial No: GM08579  
 Calibration Acceptable: Yes; Span Gas 50% volume, response 49.9%, adjusted 50.0%  
 Weather Conditions: 73°F, Clear skies, Winds SE 5 Mph  
 Barometric Pressure: 30.01" Hg

Monitor Point	CH4 % by volume air	CH4 % LEL	Comments
MM-24	0	0	
MM-23	0	0	
MM-22	0	0	
MM-21	0	0	
MM-20	0	0	
MM-19	0	0	
MM-7	0	0	
MM-8	0	0	
Office	0.1	2	
Scales	0.1	2	





HORIZONTAL COLLECTOR POINT TABLE		
DESCRIPTION	POINT NUMBER	EXISTING
HC-1 WELLHEAD	154277.3	491382.3
HC-1 SUMP	154211.2	491381.5
HC-1 WELLHEAD	154211.7	491381.5
HC-1 SUMP	154211.4	491381.4
HC-1 WELLHEAD	154211.2	491381.4
HC-2 WELLHEAD	154217.7	491374.2
HC-2 SUMP	154217.9	491374.2
HC-2 WELLHEAD	154218.0	491374.2
HC-2 SUMP	154218.6	491374.2
HC-3 WELLHEAD	154218.4	491374.2
HC-3 SUMP	154218.5	491374.2
HC-4 WELLHEAD	154218.3	491374.2
HC-4 SUMP	154218.1	491374.2
HC-4 WELLHEAD	154218.3	491374.2
HC-4 SUMP	154218.1	491374.2
HC-4 WELLHEAD	154218.3	491374.2
HC-4 SUMP	154218.1	491374.2

- LEGEND**
- PROPERTY BOUNDARY
  - PAVED LIMITS OF WASTE
  - 15-FOOT CONTOUR LINE
  - 2-FOOT CONTOUR LINE
  - CELL BOUNDARY
  - 15-FOOT UNDER SUBGRADE CONTOUR
  - EXISTING GAS HEADS/LATERAL
  - EXISTING AIR SUPPLY LINE
  - EXISTING COMPACTED FORECOURT
  - EXISTING GAS COMPENSATE SWMP
  - EXISTING GAS WELL
  - EXISTING ABOVE GRADE STUB UP
  - EXISTING BAND FLANGE
  - EXISTING HEADER ACCESS BRN
  - EXISTING HEADER VALVE
  - EXISTING LFG SPRING ROAD CROSSING

- PROPOSED 2011 LFG FEATURES**
- PROPOSED LFG HEADS/LATERAL
  - PROPOSED HORIZONTAL COLLECTOR - 30" ID
  - PROPOSED HORIZONTAL COLLECTOR - 18" DIA
  - PROPOSED HORIZONTAL COLLECTOR W/FLANG
  - PROPOSED HORIZONTAL COLLECTOR SWMP
  - PROPOSED LFG SPRING ROAD CROSSING
  - PROPOSED BAND FLANGE

- NOTES:**
1. AERIAL PHOTOGRAPHY COMPILED BY HICKET & ASSOCIATES FROM AERIAL PHOTOGRAPHY FROM DECEMBER 27, 2010.
  2. EXISTING LFG AIR-BEARING INFORMATION SURVEYED BY HICKET & ASSOCIATES SURVEYING AND MAPPING PA ON DECEMBER 27, 2010 AND PROVIDED TO CEC BY VISTA LANDFILL, LLC.
  3. NOTES THAT THE LFG SYSTEM FEATURES MAY BE DIFFERENT THAN SHOWN ON THIS PLAN AND THAT VISTA LANDFILL, LLC OR THEIR CONTRACTORS TO ACCOMMODATE LATERAL OPERATIONS AND/OR OTHER EDUCATIONS.
  4. CEC RESERVES THE SITE AERATION LOCATIONS AND THE ADJUSTED ACCOMPANY.

**DRAWING TITLE**  
**PROPOSED LFG SITE PLAN**

**PROJECT:** LANDFILL GAS COLLECTION AND CONTROL SYSTEM  
**2011 LFG SYSTEM EXPANSION**

**SITE:**  
 VISTA LANDFILL, LLC  
 VISTA LANDFILL  
 APOKA, FLORIDA

**CARLSON ENVIRONMENTAL CONSULTANTS, PC**

NO. 1001 MAIN STREET  
 MONROE, NORTH CAROLINA 28113  
 PHONE: 704.234.2700  
 FAX: 704.234.2705

CEC PROJECT NO. 101.07.01 DWG. VITALDG (SHEET 1)  
 REV. 0

SCALE 1"=100'  
 DATE MARCH 2011

**SHEET 3 OF 5**

ISSUED FOR CONSTRUCTION