

### WASTE MANAGEMENT INC. OF FLORIDA

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

February 20, 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 first quarter of 2012. Please contact me at (386) 804-4183 if you have any questions or need additional information regarding this submittal.

Respectfully Submitted,

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 1st QUARTER 2012

# SIGNIFICANT ACTIVITIES

- Routine perimeter gas monitoring occurred on February 13, 2012.
- 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: February 13, 2012

Analyst: Jason Bever

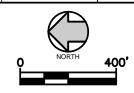
Gas Instrument Type: GEM 2000; Serial No: GM13716

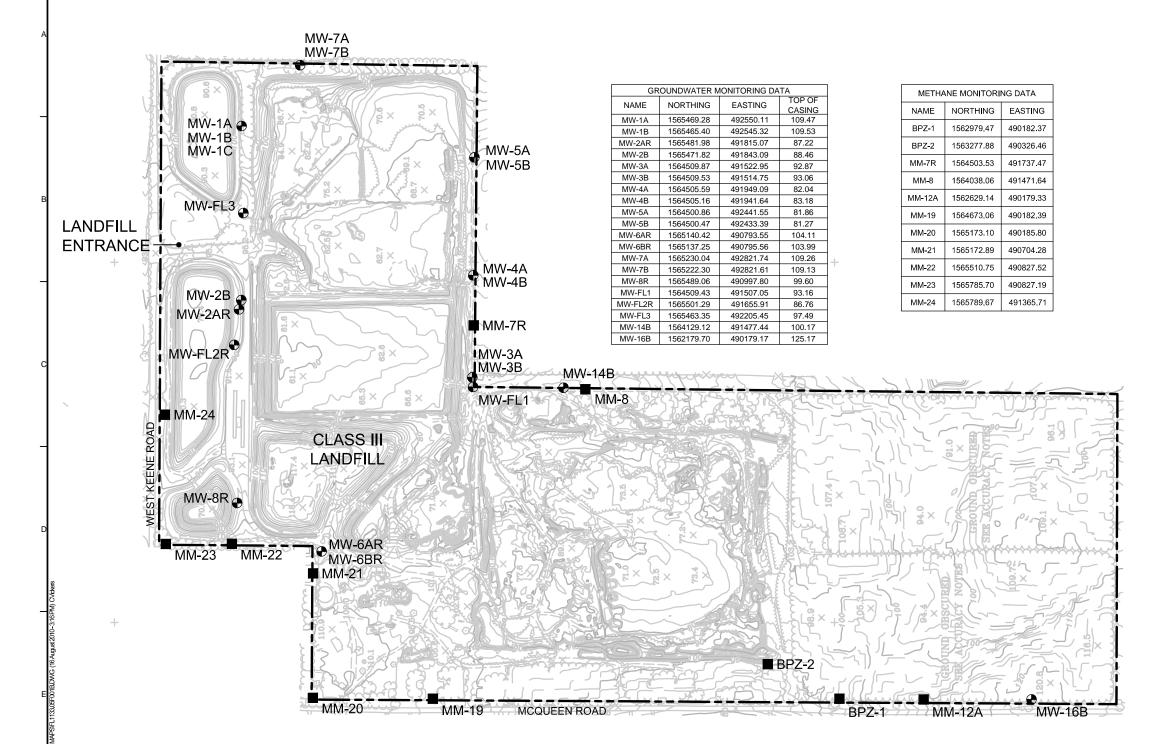
Calibration Acceptable: Yes; Span Gas 50% volume, response 50.7%, adjusted 50.0%

Weather Conditions: 68°F, Clear skies, Winds NE 5 Mph

Barometric Pressure: 30.12" 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	0	
Scales	0	0	





# LEGEND

APPROXIMATE PROPERTY LINE CONTOUR ELEVATION (FEET)

FENCE LINE

PAVED ROAD
UNPAVED ROAD

TREE LINE
DITCH (WATER) LINE

POWER POLEBUILDING

MW-5A GROUNDWATER MONITORING WELL

(NOTE 6)

MM-8 ■ METHANE MONITORING DATA

(NOTE 7)

#### MAPPING NOTES:

- 1. CONTOURS NINETY (90) PERCENT OF THE ELEVATIONS DETERMINED FROM THE SOLID LINE CONTOURS OF THIS TOPOGRAPHIC MAP HAVE AN ACCURACY WITH RESPECT TO TRUE ELEVATION OF ONE-HALF (1/2) CONTOUR INTERVAL OR BETTER AND THE REMAINING TEN (10) PERCENT OF SUCH ELEVATIONS ARE NOT IN ERROR BY MORE THAN ONE CONTOUR INTERVAL IN DENSELY WOODED AREAS WHERE HEAVY BRUSH OR TREE COVER FULLY OBSCURES THE GROUND AND THE CONTOURS ARE SHOWN AS DASHED LINES, THEY HAVE BEEN PLOTTED AS ACCURATELY AS POSSIBLE FROM THE STEREOSCOPIC MODEL, WHILE MAKING FULL USE OF SPOT ELEVATIONS OBTAINED DURING GROUND CONTROL SURVEYS AND ALL SPOT ELEVATIONS MEASURED PHOTOGRAMMETRICALLY IN PLACES WHERE THE GROUND IS VISIBLE
- THIS MAP WAS COMPILED BY 3001 INC. USING PHOTOGRAMMETRIC METHODS. CONTOURS
  PORTRAYED AS DASHED OR BROKEN LINES REPRESENT AREAS OF DENSE VEGETATION AND
  SHOULD BE CONSIDERED APPROXIMATE. THIS MAP HAS NOT BEEN FIELD VERIFIED. PRIOR TO
  USE AS A BASIS FOR DESIGN / CONSTRUCTION, IT SHOULD BE FIELD VERIFIED.
- 3. BUILDINGS ARE SHOWN ROOFLINE ONLY.
- 4. DATE OF PHOTOGRAPHY: 21 DEC 2009
- GRID COORDINATES ARE BASED ON FLORIDA EAST STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM (NAD 83) VERTICAL DATUM NGVD 29.

### MONITORING DATA NOTES:

- 6. GROUNDWATER MONITORING DATA SHOWN HEREON WAS OBTAINED FROM A SURVEY PREPARED BY PICKETT AND ASSOCIATES DATED 16 FEB 2007 AND TECHMAP DATED DEC 2009.
- METHANE MONITORING DATA SHOWN HEREON WAS OBTAINED FROM A SURVEY PREPARED BY PICKETT AND ASSOCIATES DATED 28 AUG 2009 AND TECHMAP DATED DEC 2009.

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REV	DATE	DESCRIPTION	DRN	APP
0	25-MAY-2007	ISSUED PER CLIENT APPROVAL		KBT
1	26-OCT-2009	ADD METHANE MONITORING DATA		JDQ
2	16-AUG-2010	ADD METHANE MONITORING DATA		JDQ



55 RIVEREDGE DRIVE, SUITE TAMPA, FLORIDA 33637 USA



TITLE:

# **ENVIRONMENTAL MONITORING LOCATION MAP**

SITE INFO:	DRAWN BY:	JWO	PROJECT NO	: FL1133.05
VISTA LANDFILL SC48-0165969-001/SO48-0165969-002	CHECKED BY:	JWO	FILE:	FL1133.05F001B
230 WEST KEENE ROAD	REVIEWED BY:	JDQ	FIGURE NO.:	
APOPKA, FLORIDA 32703	APPROVED BY:	KBT		1