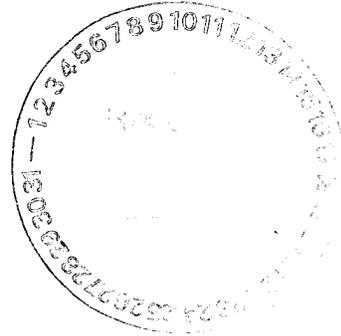




**REPUBLIC**  
SERVICES OF NC, LLC



October 3, 2006

Mr. Edward F. Mussler, III, P.E.  
NC Department of Environment & Natural Resources  
1646 Mail Service Center  
Raleigh, NC 27699-1646

**Re: JMN/Cleveland Container Landfill  
Quarterly Methane Monitoring Results**

Dear Mr. Mussler:

I have enclosed the results for the July 2006 quarterly methane monitoring event at the subject site. These results show no methane exceedances.

These results will be placed in the facility operating record.

Should you have any questions, please call.

Sincerely,

Ray Hoffman, P.E.

cc: Clint Courson, w/o encl.

# PERIODIC METHANE MONITORING REPORT

3rd/ July / 2006  
(Quarter / Month / Year)

Facility	<u>JMN Cleveland Container Landfill</u>	Date of Monitoring	<u>July 25, 2006</u>
Permit Number:	<u>23-03</u>	Monitoring Conducted By:	<u>Joe Combs</u>
County/Client:	<u>Cleveland/Republic Services, Inc.</u>	Equipment Calibrated By:	<u>Joe Combs</u>
Monitoring Equipment:	<u>Industrial Scientific ATX 620</u>	Date of Calibration:	<u>July 25, 2006</u>

## 1. Monitoring Well/Point Locations

### a. Property Boundary

<u>Well #</u>	<u>Monitoring Results</u>	<u>Well #</u>	<u>Monitoring Results</u>
GP-1	% Methane by Volume: <u>0</u> % Oxygen: <u>20.6</u> * Alarm Level Condition: <u>Safe</u>	GP-6	% Methane by Volume: <u>0</u> % Oxygen: <u>21.0</u> * Alarm Level Condition: <u>Safe</u>
GP-2	% Methane by Volume: <u>0</u> % Oxygen: <u>20.3</u> * Alarm Level Condition: <u>Safe</u>	GP-7	% Methane by Volume: <u>0</u> % Oxygen: <u>20.9</u> * Alarm Level Condition: <u>Safe</u>
GP-3	% Methane by Volume: <u>0</u> % Oxygen: <u>19.9</u> * Alarm Level Condition: <u>Safe</u>	GP-8	% Methane by Volume: <u>0</u> % Oxygen: <u>21.0</u> * Alarm Level Condition: <u>Safe</u>
GP-4	% Methane by Volume: <u>0</u> % Oxygen: <u>20.2</u> * Alarm Level Condition: <u>Safe</u>	GP-9	% Methane by Volume: <u>0</u> % Oxygen: <u>20.7</u> * Alarm Level Condition: <u>Safe</u>
GP-5	% Methane by Volume: <u>0</u> % Oxygen: <u>20.7</u> * Alarm Level Condition: <u>Safe</u>		

\* Alarm Level Condition: Safe, Caution, Peril, Explosive, Immediately Dangerous to Life and Health (IDLH).  
These conditions are determined by the percent concentration by volume of the methane and oxygen.

b. Facility Structures: (All on-site facility structures must be listed and monitored. Must be <25% LEL in  
There are no structures currently located on-site.

## PERIODIC METHANE MONITORING REPORT

### c. Off-site and Adjacent Structures

There are no structures located off-site and adjacent to the facility and within 300 feet of the property boundary in identified migration pathways.

### 2. Climatic/Physical Conditions at the Site:

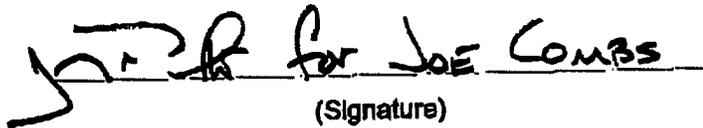
a. Soil Conditions at Site:	<u>Normal</u>
b. Weather Conditions:	<u>Mostly Cloudy</u>
c. Temperature (°F)	<u>83</u>
d. Barometric Conditions (" Hg)	<u>30.04</u>
e. Relative Humidity with the Range of 10 to 90%	<u>87%</u>
f. Water Table Conditions:	<u>Normal</u>

### 3. Survey of Site Vegetation

A survey of the site vegetation was conducted and vegetated areas were not noted as being stressed or impacted as a result of the presence or migration of methane gas.

### CERTIFICATION

I certify that the established concentration of methane gas detected during this Third Quarter 2006 monitoring/sampling event does not exceed 25% lower explosive limit (LEL) for methane in facility structures. The methane gas concentration does not exceed the LEL for methane at the facility property boundary, except as noted below.

  
 (Signature)

8/2/2006  
 (Date)

Joe Combs

111 Smith Hines Road, Suite J, Greenville, South Carolina 29607 (864) 678-2202  
 (Typed Name, Address, and Telephone Number)

LEL - Lower explosive limit (LEL) means the lowest percent by volume of a mixture of explosive gasses in air that will propagate a flame at 25C and atmospheric pressure. The LEL is a 5% concentration by volume of methane. The UEL (upper explosive limit) is a 15% concentration by volume of methane. Explosive range (5-15%, LEL-UEL)

% Oxygen - (19.5% to 25%): established range required by select monitoring instruments for proper functioning.

<u>Conditions</u>	<u>Property Boundary</u>	<u>Structures</u>
Safe	0% - 2%	0%
Caution	2% - 3%	1.00%
Peril	4% - 5% and >15%	1.25% - 5% and > 15%
Explosive	5%-15%	5%-15%