

26- October -2015

Jaclynne Drummond
NC Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

RE: Kimberly-Clark, Berkeley Mill South Landfill Permit #45-02, Gas Monitoring and
Groundwater Quality Monitoring Report

Dear Ms Drummond:

Please find attached our South Landfill Gas Monitoring and Groundwater Quality Monitoring
Reports from April of 2015. As noted in the report there have been no exceedances during this
period at the designated compliance points (Gas Monitoring Wells 1, 2, 3, and 5).

Please contact me if you questions or need additional information. (828) 697-4018

Sincerely,

A handwritten signature in cursive script, appearing to read "Michael Baldwin".

Michael Baldwin
Product Supply Safety Consultant
Kimberly Clark, Berkeley Mills

KIMBERLY-CLARK SOUTH LANDFILL
LANDFILL GAS MONITORING REPORT

Permit Numbers: _____ Date: 9-23-15

I. GENERAL INFORMATION:

Monitoring Conducted By: MARK SWANN
Monitoring Equipment: GEM 500
Equipment Calibrated By: Enviro Equip
Date of Calibration: _____

II. CLIMATIC/PHYSICAL CONDITIONS:

Weather Conditions: PARTLY CLOUDY
Temperature (°F): 77
Barometric Pressure: 30.15
Relative Humidity: 51%
Soil Conditions: Dry

III. SURVEY OF SITE VEGETATION:

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

Comments: _____

Very dry summer, Veg looks good
despite drought

IV. SAMPLING INFORMATION:

Well ID	Monitoring Results	
GMW-1 1245	%Methane by Volume: <u>00.0</u> % Oxygen by Volume: <u>20.6</u> *Alarm Level Condition: <u>SAFE</u> Depth to Water (ft): <u>7.12</u>	CO ₂ - 00.0
GMW-2 1735	%Methane by Volume: <u>00.0</u> % Oxygen by Volume: <u>20.7</u> Alarm Level Condition: <u>SAFE</u> Depth to Water (ft): <u>15.77</u>	CO ₂ - 00.1%
GMW-3 1215	% Methane by Volume: <u>00.0</u> % Oxygen by Volume: <u>20.7</u> Alarm Level Condition: <u>SAFE</u> Depth to Water (ft): <u>None</u>	CO ₂ - 00.0
GMW-4 1300	% Methane by Volume <u>00.1</u> % Oxygen by Volume: <u>19.1</u> Alarm Level Condition: <u>SAFE</u> Depth to Water (ft): <u>36.01</u>	CO₂ CO ₂ 1.7%
GMW-5 1305	% Methane by Volume: <u>00.0</u> % Oxygen by Volume: <u>19.5</u> Alarm Level Condition: <u>SAFE</u> Depth to Water (ft): <u>31.30</u>	CO ₂ - 1.6
MW-2S 1155	% Methane by Volume <u>00.0</u> % Oxygen by Volume: <u>20.6</u> Alarm Level Condition: <u>SAFE</u> Depth to Water (ft): <u>7.70</u>	CO ₂
MW-3S 1145	% Methane by Volume <u>00.0</u> % Oxygen by Volume: <u>20.5</u> Alarm Level Condition: <u>SAFE</u> Depth to Water (ft): <u>8.63</u>	CO ₂

MW-4S

1330

% Methane by Volume: 00.0
% Oxygen by Volume: 19.4
Alarm Level Condition: Safe
Depth to Water (ft): Safe

CO₂ - 00.9%

MW-5S

% Methane by Volume: 00.0
% Oxygen by Volume: 20.7
Alarm Level Condition: Safe
Depth to Water (ft): 00.1

CO₂ %

*Alarm Level Conditions. Safe, Caution, Peril, Explosive At property boundary Safe 0-2%; Caution 2-3%; Peril 4-5% and >15%; Explosive 5-15%.

Certificate

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

[Signature]
(Signature)

9-23-15
(Date)

Noted exceptions. _____

