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March 3, 2020

Transmitted via GEOS Submittal ID: 469173

Mr. John Sayer Georgia Department of Natural Resources Environmental Protection Division Solid Waste Management Program 4244 International Parkway, Suite 104 Atlanta, Georgia 30354

RE: Periodic Monitoring Report – First Quarter 2020

Forsyth County-Hightower Road Landfill

Solid Waste Permit Nos.: 058-006D(SL), 058-009D(SL), & 058-010D(SL)

Forsyth County

Dear Mr. Sayer:

Atlantic Coast Consulting, Inc. (ACC) is providing Georgia Department of Natural Resources, Environmental Protection Division (EPD) this Methane Monitoring Report for the closed Hightower Road Solid Waste Landfill. Perimeter monitoring was conducted February 28, 2020 with procedures in accordance with the facility's approved methane monitoring plan. Attached is the SWM-19 form and recent potentiometric map. The monitoring well methane concentrations were reported as being less than 5 percent methane by volume during this monitoring event and the methane concentration in the facility structure was less than 1.25 percent methane by volume. A copy of this report will be placed in the Operating Record. Please contact me if you have any questions regarding this report.

Thank you,

ATLANTIC COAST CONSULTING, INC.

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Charles Adams, P.G. Project Manager

Attachments

cc: Garrin Coleman, Samuel Buckles with attachments via email.

EPD Mountain District, Cartersville cover letter only via Regular mail.

Operating Record

SWM-19 FORM AND POTENTIOMETRIC MAP

Periodic Methane Monitoring Report

First Quarter 2020

Quarter or Month / Year

Facility Name:	Hightower Road Landfill	Date(s) of Monitoring:	2/28/2020
Facility Permit #'s:	058-006D(SL), 058-009D(SL)	Monitoring Conducted by:	D. Davis
Permit #'s (cont):	058-010D(SL)	Equipment Field Calibrated by:	D. Davis
County (Location):	Forsyth	Date of Field Calibration:	2/28/2020
Monitoring Equipment:	Envision	Manufacturer Calibration/Service Date:	9/26/2019

- 1. All reports must include a scaled and dated potentiometric surface map, (this applies only to those facilities required to perform groundwater monitoring) that shows ALL monitoring points, accompanied by a table listing the as-built depths and corresponding elevations of the bottoms of the methane monitoring wells and/or barhole punches. The potentiometric surface maps must be updated on an annual basis, and signed & sealed by a qualified groundwater scientist. Those facilities that do not conduct groundwater monitoring should, at a minimum, include a site map that shows ALL monitoring locations.
- 2. All reports must specify whether each monitoring location is a structure, permanent well, barhole punch, or vent (e.g. MM-1=scalehouse, MM-1=well, MM-1=BHP (barhole punch), MM-1=vent, or GWC-1=groundwater well).

3. Monitoring Results

a. Permanent Approved COMPLIANCE Monitoring Locations

Monitoring Point			Monitoring Point		
<u>Identification</u>	Monitoring Results		<u>Identification</u>	Monitoring Results	
MM-1R	_ % Methane By Volume:	0.0%	MM-6	% Methane By Volume:	0.0%
Well	% Oxygen:	19.3%	Well	% Oxygen:	19.4%
	Time Sampled:	12:31]	Time Sampled:	13:11
MM-2	% Methane By Volume:	0.0%	MM-7	% Methane By Volume:	0.0%
Well	% Oxygen:	19.6%	Well	% Oxygen:	17.0%
	Time Sampled:	13:36		Time Sampled:	13:41
			1		
MM-3	% Methane By Volume:	0.0%	MM-8	% Methane By Volume:	0.0%
Well	% Oxygen:	16.7%	Well	% Oxygen:	18.5%
	Time Sampled:	12:38	1	Time Sampled:	13:47
			1		
MM-4	% Methane By Volume:	0.0%	MM-9	% Methane By Volume:	0.0%
Well	% Oxygen:	17.3%	Well	% Oxygen:	19.8%
	Time Sampled:	12:45	1	Time Sampled:	13:55
			1		
MM-5	% Methane By Volume:	0.0%	MM-10	% Methane By Volume:	0.0%
Well	% Oxygen:	17.0%	Well	% Oxygen:	13.9%
	Time Sampled:	12:58	1	Time Sampled:	14:00

a. Permanent Approved COMPLIANCE Monitoring Locations (continued)

Monitoring Point Identification	Monitoring Results		Monitoring Point Identification	Monitoring Results	
MM-11	% Methane By Volume:	0.3%	MM-14	% Methane By Volume:	0.0%
Well	% Oxygen:	4.4%	Well	% Oxygen:	19.5%
	Time Sampled:	14:05		Time Sampled:	13:25
MM-13	_% Methane By Volume:	0.0%	MM-15	_% Methane By Volume:	0.0%
Well	% Oxygen:	19.1%	Well	% Oxygen:	20.9%
	Time Sampled:	13:31		Time Sampled:	13:19
•	Structures (All on-site structu	ıres must l	_	• • •	
Facility Structure	Monitoring Results		Facility Structure	Monitoring Results	
Tool Shed	_% LEL:	0.0%	N/A	_% LEL:	
	% Methane by Volume:	0.0%		% Methane by Volume:	
	% Oxygen:	20.9%		% Oxygen:	
	Time Sampled:	12:26	J	Time Sampled:	
c. Miscella	nneous Monitoring Location	s (vents, t	renches not part of	compliance monitoring)	
Monitoring Point			Monitoring Point		
Identification	Monitoring Results		Identification	Monitoring Results	
N/A	% Methane By Volume:		N/A	% Methane By Volume:	
	% Oxygen:			% Oxygen:	
	Time Sampled:]	Time Sampled:	
d. Adjacen	nt Off-Site Structures (off-site	structures	s at facilities with kn	nown release)	
Off-Site Structure	Monitoring Results		Off-Site Structure	Monitoring Results	
N/A	% LEL:		N/A	% LEL:	
. 47. 1	% Methane by Volume:			% Methane by Volume:	
	% Oxygen:			% Oxygen:	<u> </u>
	Time Sampled:			Time Sampled:	<u> </u>

4. Climatic/Physical Conditions at Site

Samples must be collected under normal/average conditions of temperature, pressure, and climate for the season. Barhole punch sampling should not be performed during or immediately after rain events, or when soils are saturated or frozen. All sampling at compliance monitoring locations must be performed after 12:00 pm, and completed by 6:00 pm. Barometric information can be obtained from many locations.

(i.e. http://weather.noaa.gov)

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			midity					Yes	Х		No						ange	: <u>57-</u>
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CERTIFICATION

I CERTIFY that all required information on this form is complete and accurate, and

I further CERTIFY that methane sampling accordance with all applicable rules and of during this sampling/monitoring event do (LEL) for methane in facility structures (concentrations do / _X_ do not exceed locations.	current EPD guidance. Concentrations of the excluding the gas recovery system con	of methane detected lower explosive limit mponents), and gas
(IF THIS STATEMENT IS NOT SIGNED OR THE RESULTS FR	HE FORM IS ALTERED, THE DIVISION WIL ROM THE SUBJECT FACILITY.)	L NOT ACCEPT THE
(Signature)	Professional Geologist P.G. 1632 (Title)	3/3/2020 (Date)
·	w Parkway, Suite 100, Roswell GA 30076, 77 Address, and Telephone Number)	<u>'0-594-5998</u>

