Volusia County
FLORIDA

Public Works Department
Solid Waste Division

February 10, 2016 ENV-16-105

Mr. F. Thomas Lubozynski
Program Administrator
Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard Suite 232
Orlando, FL 32803

Re: Quarterly Landfill Gas Monitoring Report – First Quarter 2016
Volusia County's Tomoka Farms Road
Permit No. S064-0078767

Dear Mr. Lubozynski:

Enclosed please find a copy of the First Quarter 2016 Landfill Gas Monitoring Report for Volusia County's Tomoka Farms Road Landfill.

If you have any comments or questions regarding this matter please contact me at (386)947-2952 or jstirk@co.volusia.fl.us.

Sincerely,

Jennifer R Stirk
Digitally signed by Jennifer R Stirk
DN: cn=Jennifer R Stirk, o=Volusia County Solid Waste, ou, email=jstirk@volusia.org, c=US
Date: 2016.02.11 13:47:00 -05'00'

Jennifer R. Stirk
Environmental Specialist III

Enclosure: Landfill Gas Monitoring Report

CC: file

First Quarter 2016
Tomoka Farms Road Landfill
02/03/2016

Building	CH4 Percent	LEL Percent
Scale House	0.0	0.0
Maintenance Building	0.0	0.0
Administration Building	0.0	0.0
HHW Building	0.0	0.0
GEL Corp Building	0.0	0.0
WWTP Building	0.0	0.0

Gas Monitoring Report Tomoka Roads Landfill

Gas Probes	CH4 Percent	LEL Percent
MW-1	0.0	0.0
MW-2	0.0	0.0
MW-3	0.0	0.0
MW-4	0.0	0.0
MW-5	0.0	0.0
MW-7	0.0	0.0
MW-8	0.0	0.0

LOCATION OF GAS MONITORING WELLS

ADDITIONAL ABBREVIATIONS–TREE LEGEND

CP	CAMPHOR TREE	MG	MAGNOLIA
MP	MAPLE TREE	BY	BAY TREE
SC	SYCAMORE TREE	EM	ELM TREE
OK	OAK TREE	CT	CHERRY TREE
SG	SWEET GUM TREE	PN	PINE TREE
HK	HICKORY TREE	PM	PALM TREE
BH	BIRCH TREE	MU	MULBERRY TREE

TREE TYPE — TREE SIZE (INCHES) DIAMETER AT BREAST HEIGHT — MULTIPLE TRUNKS — TREE SYMBOL

SLIGER & ASSOCIATES, INC.
PROFESSIONAL LAND SURVEYORS
3921 NOVA ROAD
PORT ORANGE, FL. 32127
(386) 761-5385
LICENSED BUSINESS CERTIFICATION NUMBER 3019
www.sligerassociates.com

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TOMOKA FARMS ROAD LANDFILL
VOLUSIA COUNTY, FLORIDA

FOR: VOLUSIA COUNTY DEPARTMENT OF PUBLIC WORKS

JOB NO. 12-0429

ABBREVIATIONS

W/	WITH	TC	TOP COVER				RES	RESIDENCE	IRC	IRON ROD & CAP
CM	CONCRETE MONUMENT	WV	WATER VALVE	D	CENTRAL ANGLE	INV	INVERT	—FC—	BURIED FIBER OPTIC CABLE	MES	MITERED END SECTION
TOB	TOP OF BANK	TSB	TRAFFIC SIGNAL BOX	R	RADIUS	SEC	SECTION	—T—	BURIED TELEPHONE LINE	RCP	REINFORCED CONCRETE PIPE
TOE	TOE OF SLOPE	FH	FIRE HYDRANT	L	ARC LENGTH	TWP	TOWNSHIP	—W—	BURIED WATER LINE	CMP	CORRUGATED METAL PIPE
CLS	CENTERLINE OF SWALE	WM	WATER METER	CB	CHORD BEARING	RGE	RANGE	—E—	BURIED ELECTRIC LINE	MH	MANHOLE
STA	STATION	LP	LIGHT POLE	CH	CHORD DISTANCE	R/W	RIGHT OF WAY	—G—	BURIED GAS LINE	MB	MAP BOOK
CO	CLEANOUT	IV	IRRIGATION VALVE	FP&L CO	FLORIDA POWER & LIGHT COMPANY	CONC	CONCRETE	—TV—	BURIED TELEVISION LINE	IP	IRON PIPE
SAN	SANITARY	GA	GUY ANCHOR	NGVD	NATIONAL GEODETIC VERTICAL DATUM	EL	ELEVATION	—FM—	BURIED FORCE MAIN	ORB	OFFICIAL RECORDS BOOK
ES	ELECTRIC SERVICE	CPP	CORRUGATED PLASTIC PIPE			(NR)	NON RADIAL	— / —	AERIAL UTILITY LINE	PG	PAGE
HDP	HIGH DENSITY POLYETHYLENE PIPE	DIP	DUCTILE IRON PIPE	USC & GS	UNITED STATES COAST AND GEODETIC SURVEY	(R)	RADIAL	(P)	PLATTED DIMENSION	ID	IDENTIFICATION
VCP	VITREOUS CLAY PIPE	PVC	POLYVINYL CHLORIDE			N&D	NAIL AND DISK	(D)	DEEDED DIMENSION	(TYP)	TYPICAL
CV	CHECK VALVE	DW	DRIVEWAY	℄	CENTERLINE	RV	REUSE VALVE	(M)	MEASURED DIMENSION	REC	RECOVERED
								(C)	CALCULATED DIMENSION		

LEGEND

EB	ELECTRIC BOX	TSB	TRAFFIC SIGNAL BOX
MB	MAIL BOX	CO	CLEAN OUT
	SIGN		CONCRETE MONUMENT
	TREE		PERMANENT REFERENCE MONUMENT
FH	FIRE HYDRANT		PERMANENT CONTROL POINT
WM	WATER METER	LP	LIGHT POLE
GA	GUY ANCHOR	WV	WATER VALVE
	UTILITY POLE		
	IRON ROD WITH CAP	0.00 X	EXISTING ELEVATION
	IRON PIPE	TV	CABLE TELEVISION BOX
TB	TELEPHONE BOX		

FOR: VOLUSIA COUNTY DEPARTMENT OF PUBLIC WORKS

SCALE: 1" = 400' FIELD BOOK: 1199,1245,1275,1283 PAGE(S): 44–77,25,43,69–70 SHEET 1 OF 2

TYPE OF SURVEY	SURVEY DATE	JOB NUMBER	PARTY CHIEF	DRAWN BY	CHECKED BY
SPECIFIC PURPOSE :	–	–	–	–	–
BOUNDARY SURVEY :	–	–	–	–	–
TOPOGRAPHIC SURVEY :	–	–	–	–	–
AS–BUILT SURVEY :	01/19/2010	09–0362	L HOFFMAN	J MOLLER	J ZAPERT
FINAL IMPROVEMENTS :	–	–	–	–	–
RECERTIFICATION :	–	–	–	–	–

PLAT PREPARED FOR THE FOLLOWING: (ONLY THE LAST DATE IS CERTIFIED ON SEALED COPY)

THIS PLAT OF SURVEY IS CERTIFIED TO AND PREPARED FOR THE SOLE AND EXCLUSIVE BENEFIT OF THE ENTITIES AND\OR INDIVIDUALS LISTED BELOW, ON THE MOST CURRENT DATE, AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL, WHOMSOEVER.

TYPE OF SURVEY	CERTIFIED TO	SURVEY DATE	JOB NUMBER
AS–BUILT	VOLUSIA COUNTY DEPARTMENT OF PUBLIC WORKS	5/01/2009	09–0362
	NOT CERTIFIED TO ANY ENTITIES AND/OR INDIVIDUALS		
	OTHER THAN THOSE LISTED ABOVE.		

SPECIFIC PURPOSE SURVEY

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 61G17–6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

JE. ZAPERT, P.L.S. NO. 4046
CLYDE O. VAN KLEECK JR., P.S.M. NO. 6149
STEVEN T. KRUGER, P.L.S. NO. 4722
MICHAEL S. MURPHY, P.S.M. NO. 6208
VALID WITH SIGNATURE & EMBOSSED SEAL ONLY

Field Calibration Documentation for the GEM5000
Volusia County Solid Waste Division

Date	Time	Location Where check is performed	Individual Performing Check	Results Actual Reading	Passed or Failed (Yes or No)	Readings associated with a failed check	Corrective actions taken to fix problem	Calibrated (Yes or No)	Initials
01-21-16	10:25 Am	Tomoka	Quinn	50.2/34.9/20.9	Yes	N/A	N/A	Yes	
01-22-16	7:30 Am	Tomoka	Quinn	49.9/35.1/20.9	Yes	N/A	N/A	Yes	
01-25-16	7:30 Am	Tomoka	Quinn	49.9/35.1/20.9	Yes	N/A	N/A	Yes	
01-26-16	7:25 Am	Tomoka	Quinn	49.8/34.9/20.9	Yes	N/A	N/A	Yes	
01-27-16	9:25 Am	Tomoka	Quinn	50.2/35.0/21.0	Yes	N/A	N/A	Yes	
01-28-16	7:30 Am	Tomoka	Quinn	50.0/35.0/21.0	Yes	N/A	N/A	Yes	
01-29-16	7:30 Am	Tomoka	Quinn	50.0/34.9/20.9	Yes	N/A	N/A	Yes	
02-02-16	7:05 Am	Tomoka	Quinn	49.9/35.0/20.9	Yes	N/A	N/A	Yes	
02-03-16	7:11 Am	Tomoka	Quinn	50.0/35.1/21.0	Yes	N/A	N/A	Yes	