

Volusia County
FLORIDA
Public Works Department
Solid Waste Division

June 25, 2013

ENV-13-125

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

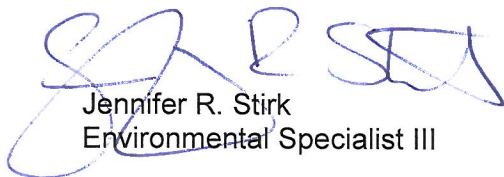
Re: Quarterly Landfill Gas Monitoring Report – Second Quarter 2013
Volusia County's Tomoka Farms Road
Permit No. S064-0078767

Dear Mr. Lubozynski:

Enclosed please find a copy of the Second Quarter 2013 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
Environmental Specialist III

Enclosure: Landfill Gas Monitoring Report

CC: file

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**Second Quarter 2013
Tomoka Farms Road Landfill**

Building	CH4 Percent	O2 Percent	LEL Percent
Scale House	0.0	17.9	0
Maintenance Building	0.0	18.4	0
Administration Building	0.0	18.9	0
HHW Building	0.0	19.0	0
GEL Corp Building	0.0	19.1	0
WWTP Building	0.0	19.0	0
N-Viro Building	0.0	18.5	0

Gas Monitoring Report Tomoka Roads Landfill

Gas Probes	CH4 Percent	CO2 Percent	O2 Percent	Balance Percent	LEL Percent
MW-1	0.0	1.9	17.8	80.2	0
MW-2	0.0	0.8	18.1	81.1	0
MW-3	0.0	0.3	17.9	81.8	0
MW-4	0.0	0.2	18.1	81.7	0
MW-5	0.0	3.6	17.9	78.7	0
MW-7	0.0	0.0	18.9	81.1	0
MW-8	0.0	2.2	18.8	79.0	0

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Field Calibration Documentation for the GEM2000
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
7/5/2011	0845	TOMOKA	EX/NE	50.3/34.8/4.0	YES	NA	NA	YES	ELM
11/16/2011	8:50	Tomoka	J. Stirk	36.8/35.0/3.7	No	City 36.8	send for factory cal	NO	J. Stirk
11/29/2011	8:30	Tomoka	P. Ballard	50.6/31.7/3.9	Yes	NA	NA	Yes	P.B
3/14/2012	2:00P	Tomoka	J. Stirk	50.0/31.8/4.6	Yes	NA	NA	Yes	J.R.S.
3-16/2012	9:15 AM	Tomoka	K. Stutes	49.9/35.0/4.1	Yes	NA	NA	Yes	KS
6-5-2012	9:40 AM	Tomoka	K. Stutes	50.3/35.8/4.2	Yes	NA	NA	Yes	KS
8/9/12	8:00 AM	Tomoka	J. Stirk	49.5/34.1/4.3	Yes	NA	NA	Yes	JRS
9/6/12	8:35 AM	Tomoka	J. Stirk	51.8/34.2/4.0	Yes	NA	NA	Yes	JRS
12/18/12	10:30 AM	Tomoka	J. Stirk	52.3/34.8/4.0	Yes	NA	NA	Yes	JRS
3/18/13	11:30 AM	Tomoka	J. Stirk	50.0/35.6/4.9	Yes	NA	NA	Yes	JRS
3/22/13	10:00 AM	Tomoka	J. Stirk	50.9/33.9/4.0	Yes	NA	NA	Yes	JRS
6/25/13	9:00	Tomoka	J. Stirk	49.5/34.8/4.2	Yes	NA	NA	Yes	JRS

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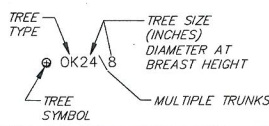
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LOCATION OF GAS MONITORING WELLS

DEP Central Dist.

ADDITIONAL ABBREVIATIONS-TREE LEGEND

CP	CAMPOR 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



SLIGER & ASSOCIATES, INC.
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PORT ORANGE, FL 32127
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LICENSED BUSINESS CERTIFICATION NUMBER 3019
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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	TO TOP COVER	D CENTRAL ANGLE	IN INVERT
CM CONCRETE MONUMENT	WV WATER VALVE	R RADIUS	SEC SECTION
TOR TOP OF BANK	TBR TRAFFIC SIGNAL BOX	L ARC LENGTH	TWP TOWNSHIP
TOE TOP OF SLOPE	FM FIRE HYDRANT	CB CHORD BEARING	RGE RANGE
CLS CENTERLINE OF SWALE	WM WATER METER	CH CHORD DISTANCE	R/W RIGHT OF WAY
STA STATION	LP LIGHT POLE	CH CHORD DISTANCE	CONC CONCRETE
CD CLEARDIST	H IRRIGATION VALVE	FL CO FLORIDA POWER & LIGHT COMPANY	EL ELEVATION
SAN SANITARY	GA GUY ANCHOR	INDO NATIONAL GEODESIC	EL ELEVATION
ES ELECTRIC SERVICE	CPP CORRUGATED PLASTIC PIPE	USC & OS UNITED STATES COAST AND GEODETIC SURVEY	EL ELEVATION
NIP HIGH DENSITY POLYETHYLENE PIPE	DIP DUCTILE IRON PIPE	USC & OS UNITED STATES COAST AND GEODETIC SURVEY	EL ELEVATION
VCP VITREOUS CLAY PIPE	PVC POLYVINYL CHLORIDE	USC & OS UNITED STATES COAST AND GEODETIC SURVEY	EL ELEVATION
CV CHECK VALVE	DR DRIVEWAY	USC & OS UNITED STATES COAST AND GEODETIC SURVEY	EL ELEVATION

LEGEND			
CP CONCRETE MONUMENT	CM CONCRETE MONUMENT	CM CONCRETE MONUMENT	CM CONCRETE MONUMENT
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PLAT PREPARED FOR THE FOLLOWING: (ONLY THE LAST DATE IS CERTIFIED ON SEALED COPY)			
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 61017-8, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.
J.E. ZAPERT, P.L.S. NO. 4046
CLYDE D. VAN KLECK 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