



**Public Works Department
Solid Waste Division**

September 7, 2012

ENV-12-144

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


Re: Quarterly Landfill Gas Monitoring Report – Third Quarter 2012
Volusia County's Tomoka Farms Road
Permit No. S064-0078767

Dear Mr. Lubozynski:

Enclosed please find a copy of the Third Quarter 2012 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

**Third Quarter 2012
September 6, 2012
Tomoka Farms Road Landfill**

Building	CH4 Percent	O2 Percent	LEL Percent
Scale House	0.0	18.7	0.0
Maintenance Building	0.0	17.6	0.0
Administration Building	0.0	18.6	0.0

Gas Monitoring Report Tomoka Roads Landfill

Gas Probes	CH4 Percent	CO2 Percent	O2 Percent	Balance Percent	LEL Percent
MW-1	0.0	0.3	17.1	82.6	0.0
MW-2	0.0	0.3	17.2	82.4	0.0
MW-3	0.0	2.2	17.4	80.2	0.0
MW-4	0.0	2.4	17.4	80.3	0.0
MW-5	0.0	1.4	17.4	81.2	0.0
MW-7	0.0	0.1	18.1	81.8	0.0
MW-8	0.0	0.0	18.3	81.7	0.0



LOCATION OF GAS MONITORING WELLS

ADDITIONAL ABBREVIATIONS-TREE LEGEND

CP	CAMPBOR TREE	MG	MAGNOLIA	<p>TREE TYPE</p> <p>TREE SIZE (INCHES) DIAMETER AT BREAST HEIGHT</p> <p>TREE SYMBOL</p> <p>MULTIPLE TRUNKS</p>
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.

PROFESSIONAL LAND SURVEYORS

3821 NOVA ROAD
PORT ORANGE, FL 32127
(386) 761-5385

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	TC TOP COVER
CM CONCRETE MONUMENT	WV WATER VALVE
TB TOP OF BANK	TSB TRAFFIC SIGNAL BOX
TOE TOE OF SLOPE	FW FIRE HYDRANT
CLS CENTERLINE OF SWALE	WP WATER METER
STA STATION	LP LIGHT POLE
CO CLEANOUT	IV IRRIGATION VALVE
SAW SAWHOLE	GA GUY ANCHOR
ES ELECTRIC SERVICE	CP CORRUGATED PLASTIC PIPE
HDP HIGH DENSITY POLYETHYLENE PIPE	DI DUCTILE IRON PIPE
VCP VITREOUS CLAY PIPE	PVC POLYVINYL CHLORIDE
CV CHECK VALVE	DW DRAINWAY
D CENTRAL ANGLE	INV INVERT
R RADIUS	SEC SECTION
ARC ARC LENGTH	TWP TOWNSHIP
CH CHORD BEARING	RSE RANGE
CD CHORD DISTANCE	R/W RIGHT OF WAY
CONC CONCRETE	FLOR. CO FLORIDA POWER & LIGHT COMPANY
NOVD NATIONAL GEODETIC VERTICAL DATUM	(NR) NON RADIAL
USC & GS UNITED STATES COAST AND GEODETIC SURVEY CENTERLINE	(R) RADIAL
	NAD NAD 83 AND DISK
	(D) MEASURED DIMENSION
	(C) CALCULATED DIMENSION
RES RESIDENCE	FC BURIED FIBER OPTIC CABLE
IRI IRON ROD & CAP	MB METERED END SECTION
REINFORCED CONCRETE PIPE	CONCRETE MONUMENT
MANHOLE	MAP BOOK
IRON PIPE	OFFICIAL RECORDS BOOK
IRON ROD WITH CAP	IDENTIFICATION
TELEPHONE BOX	RECOVERED

LEGEND	
EM ELECTRIC BOX	TSB TRAFFIC SIGNAL BOX
MB METERED END SECTION	CONCRETE MONUMENT
MANHOLE	MAP BOOK
OFFICIAL RECORDS BOOK	IDENTIFICATION
RECOVERED	

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
SPECIFIC PURPOSE				
BOUNDARY SURVEY				
TOPOGRAPHIC SURVEY				
AS-BUILT SURVEY	01/19/2010	09-0362	L HOFFMAN	J MOLLER
FINAL IMPROVEMENTS				J ZAPERT
RE-CERTIFICATION				

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 6107-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

J.E. ZAPERT, P.L.S. NO. 4048
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

