

September 11, 2012

Ms. Saara Ali Bureau of Landfill and Recycling Management NJDEP – DIVISION OF SOLID AND HAZARDOUS WASTE 401 East State Street, P.O. Box 414 Trenton, New Jersey 08625-0414

Re: Quarterly Landfill Gas Survey –3rd Quarter 2012 **Legler Landfill, Facility No. 1511A**Jackson Township, Ocean County, New Jersey FPA No. 08E004A

Dear Ms. Ali:

INTRODUCTION

This report presents the testing procedures and analytical results of the Quarterly Landfill Gas (LFG) survey conducted by French & Parrello Associates, P.A. (FPA) on September 5, 2012, at Legler Landfill and surrounding properties, Jackson Township, Ocean County, New Jersey. The subject landfill is identified as New Jersey Department of Environmental Protection (NJDEP) Facility No. 1511A.

BACKGROUND

As part of the Closure and Post-Closure Plan Approval dated February 21, 1996, and Corrective Action Plan dated March 2002, methane gas surveys are to be conducted around the landfill perimeter to monitor potential lateral, offsite gas migration. Since 2000, methane gas concentrations have increased in the western portion and southwestern corner of the landfill. As a result, the NJDEP directed Jackson Township to perform quarterly offsite gas surveys to monitor methane gas migration.

Pursuant to the NJDEP letter received April 1, 2009, monitoring is required to be conducted during days of falling barometric pressure in order to accurately monitor gas migration. Barometric pressure data was gathered from the Rutgers Weather and Climate Network station located in Cream Ridge, NJ, approximately 13.5 miles from the Subject Property. Additionally, pursuant to the NJDEP letter dated June 23, 2010, the delineation protocol has been modified. Gas sampling points between each well are no longer required; however, whenever methane gas is detected within one of the onsite gas monitoring wells, three additional sampling points are required.



One point is required 25 feet on either side of the well and the third point is required 25 feet behind (offsite) of the well. In the event methane gas is detected in one of the delineation samples, the same delineation protocol is to be used until methane gas is no longer detected. Delineation samples were collected on the boundary of Block 37, Lot 1, and Block 38, Lot 16.02, and expanded outward from the onsite sampling points.

LANDFILL GAS TESTING PROCEDURES

Gas sampling was performed at 57 gas sampling locations: 23 gas monitoring wells, 32 temporary gas sampling points (GSPs) and two flares. The wells were sampled immediately after removing the locked, metal protective caps by inserting dedicated three-foot, 3/16-inch, white polyethylene tubing through pre-drilled holes in the plastic well caps. The tubing was attached to the LANDTEC GEM-2000 Gas Extraction Monitor (GEM-2000) which instantaneously analyzed the LFG. GSP samples were collected utilizing an AMS Soil Sampling Kit. A slam bar and soil gas probe were utilized to penetrate the soil to an approximate depth of two and one-half feet. Dedicated 3/16-inch inside diameter, polyethylene tubing was pre-fed through the probe, and the GEM-2000 was utilized to instantaneously analyze LFG. GSPs are located primarily along the property boundary 25 feet on each side of the wells containing detectable concentrations of methane gas. On February 4, 2008, four-inch PVC ball valves equipped with fabricated conversion nipples, were installed on the Flares. These valves ensure a sealed connection to the LANDTECH GEM-2000 while sampling.

Offsite gas sampling was conducted on Block 38, Lots 16.02 and 18, as well as Block 37, Lot 1. Samples were collected in 25-foot intervals behind the onsite locations where methane LELs were detected above 0%. Offsite sampling included 12 GSP locations. Each gas sample was analyzed for percent methane, percent oxygen, percent carbon dioxide and methane LEL. Sampling locations are displayed on Drawing No. 1.

GAS TESTING RESULTS

Onsite Gas Testing Results

Methane gas was detected in 16 locations onsite, 12 of which were in excess of the 25 percent LEL: GSP #8a, Well #12, Well #13, Well #15, Well #17, Well #18, GSP #18a, Well #19, GSP #19b, GSP #19bb, Flare One (F-1), and Flare Two (F-2). (Survey results are presented in Table No. 1). A comparison of the most recent monitoring results with the historical results shows no indication of additional methane migration. Changes in onsite methane gas concentrations, since September 2006, are presented in Table No. 2 and graphically on Figure No. 1. Changes in onsite LEL, since September 2006, are presented in Table No. 3, and graphically on Figure No. 2.



OFFSITE GAS MONITORING RESULTS

During the September 5, 2012 landfill gas monitoring event, methane gas was not detected at offsite locations. Field analysis results of the offsite gas survey are presented in Table No. 4. A comparison of the most recent monitoring results with the historical results indicates an overall decreasing trend of LELs. Changes in offsite methane gas concentrations, since April 2009, are presented in Table No. 5, and graphically on Figure No. 3. Changes in offsite LEL, since April 2009, are presented in Table No. 6 and graphically on Figure No. 4.

CONCLUSIONS AND RECOMMENDATIONS

Pursuant to the NJDEP letter received April 1, 2009, FPA conducted the first quarter gas monitoring event on a day with falling barometric pressure. Barometric pressure data is presented in Table No. 7. The most current quarterly gas survey indicates a decreasing trend in LELs when compared to historic surveys. LELs were not detected above the acceptable regulatory percentage in offsite sampling locations during the September 5, 2012 monitoring event.

Should you have any questions or comments, please do not hesitate to contact us.

Very truly yours,

FRENCH & PARRELLO ASSOCIATES, P.A.

Bryan Heller

Environmental Scientist

cc: Dan Burke - Jackson Township Engineer

DRAWINGS

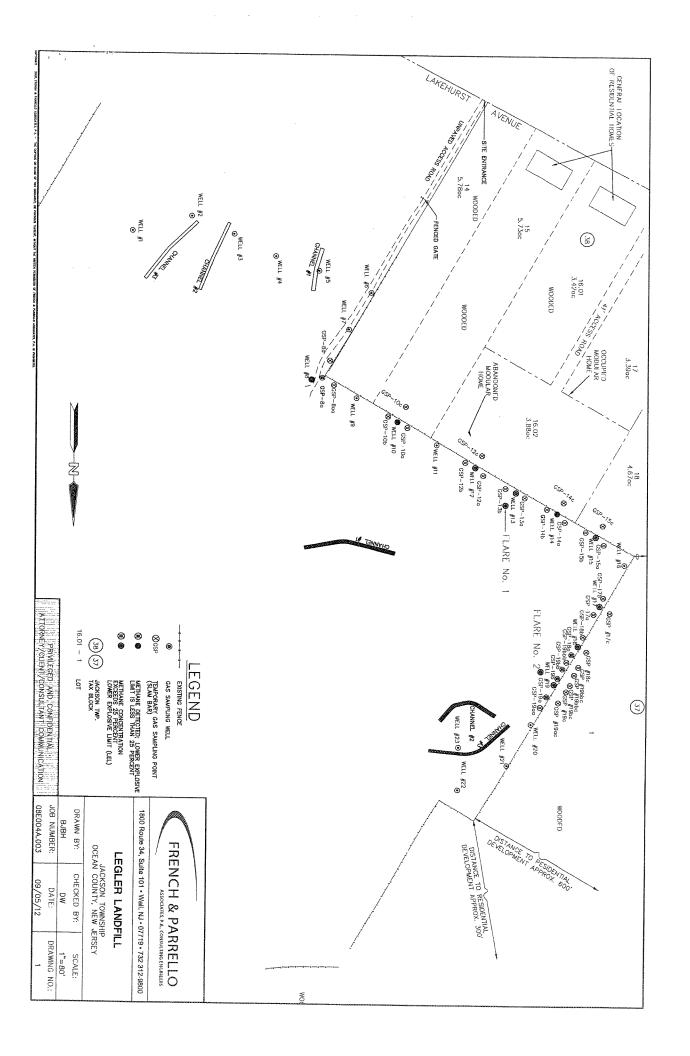


TABLE 1

SEPTEMBER 5, 2012 - ONSITE GAS SURVEY RESULTS
LEGLER LANDFILL (FACILITY No. 1511A)
JACKSON TOWNSHIP, OCEAN COUNTY, NEW JERSEY

Well No./ Gas	Percent	Percent Lower	Percent	Percent	Comments
Sampling Point	Methane	**************************************	Carbon Dioxide	Oxygen	Commend
Well # 1	0.0%	0.0%	0.7%	18.7%	
Well # 2	0.0%	0.0%	3.8%	15.4%	
Well #3	0.0%	0.0%	5.8%	13.8%	
Well # 4	0.0%	0.0%	4.1%	15.4%	
Well # 5	0.0%	0.0%	4.0%	14.1%	
Well # 6	0.0%	0.0%	2.0%	15.7%	
Well # 7	0.0%	0.0%	4.9%	11.2%	
Well # 8	0.7%	14.0%	1.7%	17.5%	
GSP #8a	3.8%	76.0%	15.6%	0.9%	
GSP #8aa	0.0%	0.0%	0.6%	18.6%	
GSP #8ab	0.0%	0.0%	3.7%	16.5%	
Well #9	0.0%	0.0%	12.0%	3.3%	
Well # 10	0.8%	16.0%	14.5%	3.2%	
Well # 10a	0.0%	0.0%	2.5%	17.9%	
Well # 10b	0.0%	0.0%	1.5%	18.7%	
Well # 11	0.0%	0.0%	5.8%	14.8%	
Well # 12	3.2%	64.0%	16.8%	11.0%	
GSP # 12a	0.0%	0.0%	3.2%	16.8%	
GSP # 12b	0.0%	0.0%	1.8%	18.1%	
Well # 13	3.9%	78.0%	22.8%	0.1%	
GSP # 13a	0.0%	0.0%	4.4%	14.8%	
GSP # 13b	0.0%	0.0%	11.3%	7.3%	
Well # 14	0.3%	6.0%	14.3%	6.2%	
GSP # 14a	0.0%	0.0%	11.5%	18.7%	
GSP # 14b	0.0%	0.0%	2.6%	17.4%	
Well # 15	11.7%	234,0%	21.0%	0.3%	
GSP # 15a	0.0%	0.0%	2.2%	18.3%	
GSP # 15b	0.0%	0.0%	3.4%	16.6%	
Well # 16	0.0%	0.0%	11.5%	7.9%	
Well # 17	13.3%	266.0%	18.9%	0.0%	
GSP # 17a	0.0%	0.0%	14.9%	2.8%	
GSP # 17b	0.0%	0.0%	1.5%	19.0%	
Well # 18	9.7%	194.0%	20.8%	0.1%	
GSP # 18a	25.4%	508.0%	20.5%	0.3%	Delineation connects to GSP # 19bbb.
GSP # 18b	0.0%	0.0%	13.1%	4.6%	
Well # 19	40.1%	802.0%	26.2%	0.1%	
GSP # 19a	0.4%	8.0%	4.3%	15.4%	
GSP # 19aa	0.0%	0.0%	11.8%	5.2%	
GSP # 19b	53.8%	1076.0%	24.6%	0.2%	
GSP # 19bb	14.0%	280.0%	18.2%	0.3%	
GSP # 19bbb	0.0%	0.0%	9.8%	7.8%	
Well # 20	0.0%	0.0%	9.0%	12.0%	
Well # 21	0.0%	0.0%	- 4.4%	16.3%	
Well # 22	0.0%	0.0%	0.5%	19.9%	
Well #.23	0.0%	0.0%	0.3%	20.3%	
Flare (F-1)	1.9%	38.0%	7.9%	10.6%	
Flare (F-2)	41.5%	830.0%	24.9%	1.4%	

Notes:
Background methane levels approximately 0.1% methane
Bold values exceed regulatory acceptable levels (25% LEL)

Fara (F.2)	Care F. T.	10 P 22-017	Well-22	Wed-21	GSP-20a	COLUMN TAXABLE	LINP: WES	10 SPP-1800	GUP-190	GSP-19ass	GSP-19an	CDDP-10M	6) pm/m	SUSP-18D	C18P-1844	CSP 10a	81-70 W	562-176	05P-17a	WH 17	TIP TO	CO SECURITION OF THE PROPERTY	The Later	U38*1150	151-151	\$1-P6/M	139.140	35P-14#	Well 14	GIIP-130cb	050-1300	GSP-130	GSP (388	GSP-12a	G151-125	G0P-126	21-10-12	GSP-11a	WAT II	STATE TOWN	C) CRAM	AUGP WA	6-99 W	CISP-flat	SP-SAR	ELSP-BH	DANG 0	C. artista	WALL.	WIEL	1. 111/16	Vot. 2	STATE OF THE PROPERTY OF THE PERSON NAMED IN COLUMN	Gas Muniforing West
28.6%	5.3%	NO.	0.0%	0.0%	0.0%	ON	765	75	NS	NS	NS	0.0%	10.0%	75	16	3,9%	0.1%	SW	3600	0.7%	Na in	40.00	200	100	9.7%	0.7%	15	0.0%	600	NS.	SIN	No.	Š	280	NS NS	11.9%	8.3%	28.4%	200	No.	6000	2,03	0,0%	0.0%	NA.	0.0%	0.0%	2000	2000	\$42.0	200	340.0	2000	MC54
38.6%	×4.5	SAN	0.0%	0.0%	0.0%	0.00	6	755	NS.	No.	Zi.	17.8%	\$1.2%	NS	SM	247.0	4.8%	NS	14.4%	15.2%	No.	0.00	200	100	11,4%	10.7%	NS	0.9%	800	NS	No.	25	NS.	2000	NS	29.1%	36.1%	29.7%	90%	2000	1,0%	0.0%	0.1%	3.5%	NS.	300	1.3%	2000	0.00	200%	0.0%	200	NO.	MO.W.
33,6%	1.61	0.0%	2.0%	3600	0,0%	D ONL	690	200	NE	M	NS	9,000	39.7%	NS.	914	9.0%	200	No.	調整な技	112.7	No.	200	THE PART OF THE PA	760	2.0%	0.0%	No.	2,000	20%	NO	NS	25	NS	2000	NO.	28.0%	20%	12.0%	0.0%	2000	000	0.03	0.0%	0.0%	XX	0.0%	0.2%	TAGO	2000	20%	0.0%	300	No.0	# C)#
\$3.7%	14.4%	200	0.0%	360'0	20%	200	75	NS	NS	NS.	NS.	1,0%	15,8%	- NS	25	0.0%	0.0%	N/S	2000	0.0%	250	200	3000	200	0.0%	0.0%	28	800	0.0%	MI	NS	75	CN	200	NO.	9.90	11,4%	4.3%	10.0	SH	200	200	3600	0.0%	N5	0.0%	5,1%	2000	2000	30%	200%	1000	2000	W D14
34.6%	10.00	0.0%	0.0%	360	0.0%	7600	NS	No	NS	NS	NG.	0.0%	2,2%	NS	NB	96030	350.0	NS.	20%	84%	No.	2000	200	0.00	WO.0	0.0%	NG	0.0%	20%	盐	574	N	S	200	17.0	10.0%	2.4%	7.2%	7000	NE NE	NO D	2000	0.0%	0.0%	NIS.	1600	200	200	2000	0,0%	0.0%	200%	Table of the second	WC34
21,0%	323	200	0.1%	200%	200	0.0%	10	30	NS	MB	MS	0.0%	9.2%	NS.	NS	0.0%	0.1%	NS	0.0%	NS.	NS	200	000	100	0.0%	43%) XS	200	100%	MS	EN	160	NS	200	100	9,0%	26.4%	1.17	0.0%	SN	200	4000	0.0%	250	EN	9.3%	8.7%	2600	2000	30%	200	1000	2000	MON.
41.5%	0.5%	0.0%	0.0%	0.0%	200	00%	N. S.	NS	ME	NS	NS	10.6%	10.2%	145	NS.	1.0%	2,010	200	0.0%	9.8%	NS.	200	not a	Sin G	0.0%	1.7%	NS	200	200%	ME	NS	NS	NS	2,000	200 000	0.0%	27.4%	8.4%	0.0%	24	0.0%	202	0.0%	0.0%	115	0.0%	27%	200	1000	20%	160.0	340.0	0.000	WHC2 %
34.0%	11.4%	0.00	0.0%	0.0%	200	900	No	NO.	100	NS	NS	0.0%	10.8%	舌	SN	20,0%	9,0%	NS.	2000	1.0%	NS.	2000	200	200	200	0.0%	16	0.0%	0.0%	22	ES.	75	3	200	No.	0.0%	21%	140.0	200	BN	0.00	200	0.0%	0.0%	245	9,0%	0.0%	B 5%	2000	0.04	0.0%	0.0%	200	10 CH
16,0%	23%	0.0%	0.0%	200	200	000	200	70	145	NS	20	0.5%	10.7%	NB	NS	0.2%	960.0	35	1600	5.7%	35	2000	D. See	500	2000	2,0%	K	0.0%	0.0%	S	N.S	Mili	No	0.0%	NE	0.8%	10.2%	10.4%	1450	1	1000	2000	1600	200	88	13%	0.8%	260	2000	0.0%	0.0%	20%	360	% CH4
37.5%	2.4.1	2410	0.1%	0.1%	0.1%	W. 0	140	No	ND	Ni	NS	0.1%	18.6%	器	NS	0.1.4	0.1%	N8	0.5%	378,03	ð	2012	2010	2	400	7.0%	20	0.5%	0.1%	NE	Nis	N6	No.	27%		27.12	27.0%	10.01	212	1	200	0.12	0.1%	0.0%	ň	0.1%	8,2%	019	200	0.1%	0.1%	0.1%	2010	* CH4
29,9%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	i d	180	200	N.	NS	0.0%	0.2%	NS	NS	0.0%	0.0%	NS	0.0%	9.3%	SN	200%	0.0%	200	0.0%	3,8%	NS	0.0%	0.0%	NS	NS	NS	NS	0.0%	32.3%	0.0%	22.7%	0.0%	0.0%	NS	0.0%	0.0%	0.0%	0.0%	NS	0.0%	7.5%	0.0%	0.0%	0.0%	0.0%	0.0%	200	% CH4
28.5%	0,9%	0.0%	0.0%	0.0%	0.0%	0.0%	NO.	No.	NS	NS	NS	0.0%	24.5%	SS	NS.	0.0%	0.0%	SN	0.0%	13.4%	NS	0.0%	0.0%	NS S	V.0.29	0.0%	, NS	0.0%	0.0%	SN	NS	NS	NS	0.0%	31.6%	0.0%	2.2%	0.0%	0.0%	NS	0.0%	0.0%	0.0%	0.0%	NS	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	200	% OH4
NS	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	NG G	200	NS	8	S	0.0%	0.9%	NS	ક્ક	0.9%	0.0%	NS	0.0%	1.1%	NS	0.0%	0.0%	NS	NIA 020	0,0%	NS.	0.0%	0.0%	NS	NS	NS	NS	0.0%	7.4%	0.0%	8.1%	0.0%	0.0%	SN	0.0%	0.0%	0.0%	0.0%	SN	5,0%	0,7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(2-10)
41.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	SIS	SAS	NS S	200	200	0.0%	18.3%	SN	NS	0.0%	8.8%	NS	0.0%	14.9%	SS	200%	4.2%	NS	NS ON	0.0%	NS	0.0%	0.0%	SN	SN	SN	NS	0.0%	36.7%	0.0%	26.5%	0.0%	0.0%	NS	0.0%	28%	0.0%	0.0%	SN	3.9%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(4-10)
30.5%	1.2%	0.0%	NS.0.28	0.0%	NS	0.0%	20 6	SN 500	30.5%	NS	Z G	0.0%	0,4%	NS	SN	NS	0.0%	NS	SN	0.0%	SN	SIN	0.0%	Sin	N S	0.0%	NS.	NS.	0.0%	NS	NS	0.0%	NS	0.0%	19.5%	0.0%	0.3%	NS	0.0%	NS	SN	0.0%	0.0%	NS	SN	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	% CH4
28,3%	1.8%	0,0%	20.0%	0.0%	SN	0.0%	200%	0.000	33.0%	NS	0.0%	1,8%	2.6%	NS	NS	NS	0.0%	NS	NS	0.0%	SN	NS	0.0%	NS	No.	NIC NIC	NS.	NS.	0.0%	NS	NS	0.0%	NS	0.0%	27.2%	0.0%	0.3%	NS	0.0%	SN	NS	2000	0.0%	NS	SNS	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0,0%	% CH4
31.6%	0.4%	0.0%	SN 800	0.0%	NS	0.0%	20.00	0.0%	24.0%	No.	200	0.0%	8.0%	0.0%	0.0%	9.7%	0.5%	0.0%	0.0%	9.2%	0.0%	0.0%	0.5%	NS	2000	2,0%	0.0%	0.0%	0.5%	NS	NS	0.0%	0.0%	%8.0	28.8%	0.0%	12.1%	NS	0.0%	0.0%	0.0%	1 0%	0.0%	0.0%	0.0%	4.8%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(3-11)
42.6%	0.1%	0.0%	NS.	0.0%	NS	0.0%	NS OF	20.00	00.0%	No.	0.0%	21,4%	9.8%	0.0%	NS	0.0%	1.1%	0.0%	0.0%	9.6%	SN	NS	0.0%	NS	780.0	0.076	NS NS	5 8	0.0%	NS	K	0.0%	¥S	0.0%	21.2%	S O	0.0%	NS	0.0%	8	NS	0.00	0,0%	NS	SNS	NS	0.0%	0,0%	0.0%	0.0%	0.0%	0.0%	0.0%	×04
40.0%	0.6%	0.0%	NS SN	0.0%	SN	0.0%	789.00	2 49%	40.7%	No	0.8%	25.2%	36.5%	NS.	S	NS.	0.0%	0.0%	0.0%	1.2%	NS	SN	0.0%	0.0%	0.076	0.376	0.0%	0.0%	0.2%	NS	NS	0.0%	NS	0.0%	8.6%	0.0%	5.8%	NS	0.0%	0.0%	0.0%	785.0	0.0%	NS	SN	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(10-11)
14.9%	0.3%	0.0%	NS O	0.0%	0.0%	0.0%	NS OF SERVICE	0.09%	53.4%	M M	Z	0.0%	2.6%	NS	NS	NS	0.0%	SN	NS	0.0%	NS	NS	0.0%	NS	25 8	0.0%	SNS	NS	0.0%	0.0%	0.2%	1.4%	NS	0.0%	0.3%	NS	0.0%	NS	0.0%	SNS	SS	2000	0.0%	No	SN	SN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(1-11) (11-11)
38.7%	1.0%	0.0%	NS	0.0%	- NS	0.0%	200	0.0%	45.0%	NS	NS	0.0%	22.3%	NS	SN	NS	0.0%	0.0%	0.0%	11.6%	0.0%	0.0%	1.8%	NS	7900	2.7%	NS.	NS	0.0%	SN	SS	0.0%	NS	0.0%	33.8%	0.0%	2.1%	NS	0.0%	SN	NS S	0.0%	0.0%	NS	NS	0.0%	5.8%	0.0%	0.0%	0.0%	0.0%	0.0%	W.0.0	% O#
40.0%	0.9%	0.0%	NS 2076	0.0%	NS	0.0%	NO.	20.7%	47.2%	PAS S	NS	0.0%	16,9%	0.0%	NS	15.9%	0.3%	0.0%	0.0%	9.9%	0.0%	0.0%	0.5%	NS	780.0	0.476	NS.	NS	0.0%	SN	0.0%	2.5%	SN	0.0%	31.5%	0.0%	0.6%	NS	0.0%	NS	NS	2000	0.0%	NS	SN	0.0%	6.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5-12)
41.6%	1.9%	0.0%	NS.	0.0%	SN	0.0%	Several	0.0%	25.07b	NS	0.0%	0.4%	40.1%	0.0%	SN	25,4%	9.7%	0.0%	0.0%	13.3%	SN	NS	0.0%	NS	2000	0.702	0.0%	0.0%	0.3%	NS	NS	0.0%	NS	0.0%	3.9%	0.0%	3.2%	NS	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	3.8%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(9-12)

ONSITE METHANE GAS CONCENTRATIONS FROM SEPTEMBER 2008 TO SEPTEMBER 2012 LEGILER LANDFILL FACILITY No. 1511AI JACKSON TOWNSHIP, OCEAN COUNTY, NEW JERSEY

Flare (F-2)	Epol (E 4)	C & 22-40m	Well-22	Well-21	GSP-20a	Well-20	GSP-19bbbb	GSP-19bbb	GSP-1900	GSP-19b	GSP-19aaa	GSP-19aa	GSP-19a	Wall-19	GSP-18b	GSP-18aa	GSP-18s	M/al-18	GSP-17a	Well-17	GSP-16b	GSP-16a	Well-16	GSP-15bb	GSP-15b	GSP-15a	GSP-14b	GSP-14e	Well-14	GSP-13bbb	GSP-13bb	GSP-13aa	GSP-13a	Weli-13	GSP-12b	GSP-19a	GSP-11a	Well-11	GSP-10b	GSP-10a	Well-10	GSP-9a	GSP-Bab	GSP-8aa	GSP-8a	Wet-8	Well-7	Well-6	Well-5	Well-4	Wall-3	I ABANI	cas camping rom
570.0%	406.00/	No	0.0%	0.0%	0.0%	0.0%	NS	NS	No	NS	S	NS	0.0%	200.0%	NS	NS	78.0%	S NS	0.0%	6.0%	NS.	298.0%	0.0%	NS	NS	20%	NS	0.0%	0.0%	NS S	NS 8	NG OG	12.0%	688.0%	NS	200.0%	588.0%	0.0%	NS	0.0%	0.0%	0.0%	0.0%	No	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1000
770.0%	140.00	OW	0.0%	0.0%	0.0%	0.0%	200	NS	No	NS	NS	NS	358.0%	1024.0%	NS	NS	80%	DA NO	288.0%	304.0%	NS	138.0%	138.0%	NS	NS	228.0%	NS	18.0%	0.0%	NS.	NS C	NO NO	0.0%	836.0%	NS	760 C93	574.0%	0.0%	NS	8.0%	20.0%	0.0%	70.0%	No	0.0%	186.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(0.01)
660.0%	20.00	200	0.0%	0.0%	0.0%	0.0%	Ng	NS	NG	NS	V.	NS	0.0%	794.0%	NS	NS	0.0%	O NO	504.0%	150.0%	NS	0.2%	0.0%	SN	NS	0.0%	NS	0.0%	0.0%	NS	NS	NS	0.0%	442.0%	SN	560.0%	240.0%	0.0%	SN	0,0%	0.0%	0.0%	0.0%	N.	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	000
1014.0%	200.00	200	0.0%	0.0%	0.0%	0.0%	NS	N.	200	NS	NG:	SN	20.0%	318.0%	SN	SS	0.0%	0.0%	0.0%	0.0%	NS	0.0%	0.0%	SN	NS	0.0%	NS	0.0%	0.0%	NS	NS	No.	0.0%	180.0%	NS	196.0%	208.0%	0.0%	NS	0.0%	0.0%	0.0%	0.0%	No	0.0%	102.0%	0.0%	0.0%	0.20%	0.0%	0.0%	0.0%	1000
692.0%	100.00	200	0.0%	0.0%	0.0%	0.0%	NS.	No.	NS	S Co	NG:	SN	0.0%	68.0%	NS	SN	0.0%	0.0%	0.0%	8.0%	NS	6.0%	0.0%	NS	NS	0.0%	NS.	0.0%	0.0%	NS	NS C	NS O	0.0%	356.0%	SN	300.0%	146.0%	0.0%	SN	0.0%	0.0%	0.0%	0.0%	No	0.0%	0.0%	0.0%	0,0%	0.0%	0.0%	0.0%	0.0%	0.000
820.0%	64 Day	0.0%	2.0%	0.0%	0.0%	0.0%	No.	No.	No	NS.	No.	NS	0.0%	184.0%	SN	NS	0.0%	30%	0.0%	NS	NS	0.0%	4.0%	NS	NS S	00,0%	NS	0.0%	0.0%	NS	NS 8	NS NS	0.0%	686.0%	NS	0.0%	%0.22 %0.22	0.0%	SN	0.0%	0.0%	0.0%	0.0%	No.	125.0%	114.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2000
830.0%	10.0%	200	0.0%	0.0%	0.0%	0.0%	No.	No.	No	No.	NS.	NS	210.0%	204.0%	SN	NS	20.0%	0.000	0.0%	192.0%	NS	14.0%	4.0%	NS	NS	0.0%	NS.	0.0%	0.0%	NS	NS	2 20	0.0%	590.0%	NS	200%	540.0%	0.0%	SN	0.0%	0.0%	0.0%	0.0%	No.	0.0%	122.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7000
H	†	t	t	+	t	\dagger	\dagger	t	t	\dagger	t	+		Н	+	+	+	+	t	+	+	H	Н	1	+	+	+	+	Н	+	+	+	+	H	NS	+	+	+	\vdash	\dashv	+	+	+	+	+	┝	H	Н	1	+	+	+	+
H	+	\dagger	t	t	H	t	+	t	ł	+	t	t		Н	+	+	+	+	+	t	+	H		+	+	+	+	╀	H	+	+	+	+	H	NS	+	+	+	H	4	+	+	+	+	+	H		Н	+	+	+	+	+
750.0%	$^{+}$	\dagger	t	ł	H	\dagger	\dagger	\dagger	+	+	ł	t		Н	+	+	+	+	+	t	+	H	Н	\dashv	+	+	+	+	H	+	+	+	+	H	+	+	+	+	H	+	+	+	+	Ŧ	+	L	_	Н	-	+	+	+	-
598.0%	\dagger	\dagger	+	+	H	\dagger	\dagger	+	+	+	+	+	+	Н	-	+	+	+	t	ł	H	┝	Н	\dashv	+	+	+	╁	H	+	+	+	+	H	+	+	+	╀	H	4	+	+	+	+	+	ŀ	-	Н	+	4	+	ł	-
570.0%	+	\dagger	H	ł	ŀ	ł	+	+	t	+	ł	ł	\vdash	Н	-	+	+	+	+	1	H	H		+	+	+	+	+	H	H	+	+	+		+	-	+	+	H		+	+	+	+	+	F	L	H	4	+	+	+	-
830.0%	+	+	+	+	+	+	+	ł	+	+	╀	╁	H	Н	+	+	+	+	+	╀	╀	┞	Н	4	4	+	+	+	Н	Н	+	+	\downarrow	H	4	1	+	ŀ	Н	Н	4	4	+	+	Ļ	L		Ц	4	4	1	1	-
756.0%	T	T	Т	Т	Т	T	T	Т	T	T	T	T	П	П	٦	1	T	Ť	T	T	T	T		7	7	1	+	T	Н	П	+	T	\dagger	П	1	+	+	+	Н	Н	7	†	$^{+}$	†	+	1	Н	Н	+	+	+	$^{+}$	-
914.0%	+	+	t	+	t	+	+	+	+	+	t	╁	Н	Н	+	+	+	+	+	+	+	┝	Н	+	+	+	+	+	Н	+	+	+	╁	Н	+	+	+	╀	Н	Н	+	+	+	+	+	\vdash		Н	4	4	+	+	
610.0%	+	\dagger	\dagger	+	t	\dagger	t	t	t	+	t	╁	H	Н	+	+	+	+	+	t	╁	H	Н	+	+	+	+	+	Н	+	+	+	+	H	+	+	+	╀	H	Н	+	+	+	+	+	H		Н	+	+	+	+	
566,0%	+	+	+	-	H	+	+	ł	-	+	+	+	H		+	+	+	+	+	H	H	H		+	+	+	+	\vdash	H	+	+	+	ł		+	+	+	╀		4	+	+	+	╀	+	H		Н	4	-	1	+	4
632.0%	+	+	+	ł	┝	+	+	L	ŀ	╁	┞	H	Н	Н	+	+	+	+	╀	-	-	-		+	+	+	+	┞	Н	+	+	+	\vdash	Н	+	+	+	H	Ц	-	+	+	+	ļ	╀	L	Н	4	+	+	4	\downarrow	-
852.0%	+	t	t	H	H	+	╁	+	t	╁	H	+	Н	Н	+	+	+	+	+	╁	┝	Н	Н	+	+	+	+	H	Н	+	+	╀	╀	Н	+	+	+	╀	Н	+	+	+	╁	+	╀	H		+	4	+	+	+	+
800.0%	+	+	t	╀	-	H	+	H	H	+	H	-	Н	\dashv	+	+	+	+	╀	┝	-	Н	+	+	+	+	+	\vdash	\dashv	+	+	+	H	H	+	+	+	╀	Н	+	+	+	+	+	╀	L	-	+	+	+	+	+	+
298.0%	t	t	t	t		H	t	t	t	+	\vdash		Н	H	+	+	+	+	H	-	H	H	+	+	+	+	+	H	\dashv	+	+	+	Н	Н	+	+	+	╀	Н	+	+	+	+	H	┞	H	+	+	+	+	+	╀	1
774.0%	t	$^{+}$	+	╁	H	H	H	H	╁	H	-	H	Н	+	+	+	+	+	╁	H	Н	Н	+	+	+	+	+	Н	Н	+	+	╀	Н	Н	+	+	+	H	Н	4	+	+	+	Ļ	H	L	4	+	+	+	+	ļ	1
800.0%	+	t	t	H	-	H	╁	+	H	+	┝	H	Н	+	+	+	+	╁	┝	Н	Н	Н	+	+	+	+	╀	Н	+	+	+	╀	Н	Н	+	+	+	H	Н	+	+	+	╀	H	╀	Н	4	+	4	+	+	ļ	+
38.0%	t	t	+	H	-	H	t	H			H	Н	H	+	+	\dagger	t	\dagger	H	H	Н	Н	+	+	+	+	+	Н	+	+	+	+	Н	+	+	+	+	Н	+	+	+	+	+	H	-	Н	+	+	+	+	+	+	ł

TIABLE 3 ONSITE LOWER EXPLOSIVE LIMITS FROM SEPTEMBER 2016 TO SEPTEMBER 2012 LEGLER LANDFILL (FACILITY No. 1511A) JACKSON TOWNSHIP, OCEAN COUNTY, NEW JERSEY

SEPTEMBER 5, 2012 - OFFSITE GAS SURVEY RESULTS
LEGLER LANDFILL (FACILITY No. 1511A)
JACKSON TOWNSHIP, OCEAN COUNTY, NEW JERSEY

Well No./ Gas Sampling Point	Percent	Percent Lower	Per	Percent	Comments
	Meliane	Explosive Lillill	חומסות	CAYGGII	
GSP # 8ac	%0'0	0:0%	5.8%	14.8%	
GSP # 10c	%0.0	%0.0	3.5%	16.5%	
GSP # 12c	%0.0	0:0%	4.6%	11.0%	
GSP # 13c	1		5.9%	1	*
GSP # 14c	%0.0	%0:0	2.6%	18.2%	
GSP # 15c	%0.0	%0.0	9.5%	7.6%	
GSP # 17c	%0.0	%0.0	4.8%	15.8%	
GSP # 18c	%0.0	0.0%	6.7%	12.3%	
GSP # 18ac	%0.0	%0:0	8.6%	9.6%	
GSP # 19c	%0.0	%0.0	3.4%	16.9%	
GSP # 19ac	%0.0	%0:0	1.5%	18.7%	
GSP # 19bc	%0.0	%0.0	8.7%	%6.9	
GSP # 19bbc	%0:0	0.0%	5.7%	11.7%	

Notes:

Bold values exceed regulatory acceptable levels (25% LEL)

^{* -} Due to a large berm located offsite behind Well-13, sampling at the GSP # 13c location could not be conducted.

TABLE 5
OFFSITE METHANE GAS CONCENTRATIONS FROM APRIL 2009 TO SEPTEMBER 2012
LEGLER LANDFIL (FACILITY No. 1511A)
JACKSON TOWNSHIP, OCEAN COUNTY, NEW JERSEY

	GSP-19bbbb (25') (GSP # 19bbbbc)	GSP-19bbb (25') (GSP # 19bbbc	GSP-19bb (25') (GSP # 19bbc)	GSP-19b (25') (GSP # 19bc)	GSP-19aa (25') (GSP # 19aac)	GSP-19a (25') (GSP # 19ac)	Well-19 (25') (GSP # 19c)	GSP-18a (25')	Well-18 (25') (GSP-18c)	Well-17 (25') (GSP-17c)	Well-16 (25') (GSP-16c)	GSP-16a (25')	Well-15 (25') (GSP-15c)	GSP-15a (25')	Well-14 (25') (GSP-14c)	GSP-13bb (25') (GSP-13bbc)	GSP-13b (25') (GSP-13bc)	Well-13 (25) (GSP-13c)	Well-12 (50')	Well-12 (25') (GSP-12c)	Well-10 (25') (GSP-10c)	GSP-8a (25') (GSP-8ac)	Sampling Point	Gas Monitoring Well/
	~		NS	SN	SN	NS	0.0%	NS	NS	0.0%	NS	SN	0.0%	SN	NS	SN	NS	:.	NS	0.0%	SN	SN	(4-09)	Gas % CH4
	SN	NS	NS	NS	NS	NS	0.0%	NS	NS	0.0%	NS	SN	NS	NS	NS	NS	NS	*	NS	0.0%	NS	SN	(9-09)	% CH4
	NS	NS	NS	NS	NS	NS	0. t%	SN	0.1%	0.0%	SN	0.0%	0.0%	NS	NS	SN	NS		NS	0.2%	0.0%	SN	(12-09)	% CH4
	NS	NS	NS	SN	SN	NS	0.0%	0.0%	SN	0.0%	SN	NS	NS	0.0%	NS	NS	NS	:,	NS	0.0%	0.0%	0.0%	(2-10)	% CH4
	SN	SN	SN	SN	NS	NS	0.0%	SS	0.0%	0.0%	0.0%	NS	0.0%	SN	NS	SN	NS		0.0%	2.0%	0.0%	0.0%	(4-10)	% CH4
The second secon	NS	NS	NS	0.0%	NS	NS	0.0%	NS	NS	SN	SN	NS	NS	NS	NS	NS	SN	.,	NS	0.0%	NS	SN	(7-10)	% CH4
	NS	0.0%	0.0%	0.0%	NS	0.0%	0.0%	NS	SN	NS	SS	NS	NS	NS	NS	NS	SN	.*	NS	0.0%	NS	NS	(11-10)	% CH4
	NS	NS	0.0%	0.0%	NS	NS	0.0%	NS	0.0%	0.0%	0.0%	SNS	0.0%	NS	0.0%	NS	NS	.,	NS	0.0%	0.0%	0.0%	(3-11)	% CH4
	NS	0.0%	0.0%	0.0%	NS	0.0%	0.0%	0.0%	0.0%	0.0%	NS	SN	0.0%	NS	SS	NS	NS	*	NS	NS	NS	NS	(7-11)	% CH4
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	NS	NS	0.0%	NS	NS	0.0%	NS	0.0%	NS	NS	1.	SN	0.0%	0.0%	SN	(10-11)	% CH4
	NS	NS	0.0%	0.0%	NS	NS	0.0%	SS	NS	NS	NS	NS.	NS	NS	NS	0.0%	1.6%**	**	NS	NS	NS	NS	(11-11)	% CH4
	SN	SN	0.0%	0.0%	NS	NS	0.0%	NS	NS	0.0%	0.0%	SN	0.0%	SN	NS	NS	NS		NS	0.0%	NS	NS	(3-12)	% CH4
	NS	0.0%	0.0%	0.0%	SS	NS	0.0%	0.0%	0.0%	0.0%	0.0%	SN	0.0%	NS	NS	NS	0.0%	1,	NS	0.0%	NS	SS	(5-12)	% CH4
	NS	NS	0.0%	0.0%	SS	0.0%	0.0%	SS	0.0%	0.0%	NS	SS	0.0%	NS	0.0%	NS	NS.		NS	0.0%	0.0%	0.0%	(9-12)	% CH4

Noise.

- Not Sampled

- Not Sampled

- Use to a large berm located offsite behind Well-13, sampling at the GSP-13 (25) location could not be NS - On-site readings were 0.0% during this event; therefore, no offsite readings were required.

TABLE 6
OFFSITE LOWER EXPLOSIVE LIMITS FROM APRIL 2009 TO SEPTEMBER 2012
LEGLER LANDFILL (FACILITY No. 1511A)
JACKSON TOWNSHIP, OCEAN COUNTY, NEW JERSEY

GSP-19bbbb (25') (GSP-19bbbbc)	GSP-19bbb (25") (GSP-19bbbc)	GSP-19bb (25') (GSP-19bbc)	GSP-19b (25') (GSP-19bc)	GSP-19aa (25') (GSP-19aac)	GSP-19a (25') (GSP-19ac)	Well-19 (25') (GSP-19c)	GSP-18b (25') (GSP-18bc)	GSP-18a (25') (GSP-18ac)	Well-18 (25') (GSP-18c)	Well-17 (25") (GSP-17c)	Well-16 (25') (GSP-16c)	Well-15 (25') (GSP-15c)	GSP-15a (25')	Well-14 (25') (GSP-14c)	GSP-13bb (25') (GSP-13bbc)	GSP-13b (25') (GSP-13bc)	Well-13 (25') (GSP-13c)	Well-12 (50')	Well-12 (25') (GSP-12c)	Well-10 (25') (GSP-10c)	GSP-8a (25') (GSP-8ac)	Sampling Point	Gas Monltoring Well/ Gas
NS	NS	NS	NS	SN	NS	0.0%	NS	NS	NS	0.0%	NS	0.0%	NS	NS	NS	NS	*	NS	0.0%	NS	NS	(4-09)	듄
SN	SN	NS	SN	SN	NS	0.0%	NS	NS	SN	0.0%	NS	NS	NS	NS	NS	SN	:,	NS	0:0%	NS	NS	(9-09)	Ę
SN	NS	NS	NS	NS	NS	0.0%	NS	NS	1.0%	0.0%	0.0%	0.0%	NS	NS	NS	NS	*	NS	1.0%	0.0%	NS	(12-09)	F
NS	NS	NS	NS	NS	NS	0.0%	NS	NS	NS	0.0%	NS	NS	0.0%	NS	NS	NS	1,	NS	0.0%	0.0%	0.0%	(2-10)	
NS	NS	NS	NS	NS	NS	0.0%	NS	NS	0.0%	0.0%	0.0%	0.0%	NS	SN	SN	SNS	1,	0.0%	40.0%	0.0%	0.0%	(4-10)	
SN	NS	NS	0.0%	NS	NS	0.0%	NS	SN	NS	NS	NS	NS	NS	NS	NS	NS	1,	NS	0.0%	NS	NS	(7-10)	
SN	0.0%	0.0%	0.0%	NS	0.0%	0.0%	SN	NS	NS	NS	NS	NS	NS	NS	NS	NS	1,	NS	0.0%	NS	NS	(11-10)	E
NS	NS	0.0%	0.0%	NS	NS	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	NS	0.0%	NS	NS	1,	NS	0.0%	0.0%	0.0%	(3-11)	E
NS	0.0%	0.0%	0.0%	NS	0.0%	0.0%	NS	0.0%	0.0%	0.0%	NS	0.0%	NS	NS	NS	NS	1,	NS	NS	NS	SNS	(7-11)	E
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	NS	NS	NS	0.0%	NS	0.0%	NS	0.0%	NS	NS	1,	NS	0.0%	0.0%	NS	(10-11)	Е
SN	NS	0.0%	0.0%	NS	NS	0.0%	NS	NS	SN	0.0%	0.0%	0.0%	SN	NS	NS	SN	;,	NS	0.0%	NS	NS	(3-12)	ĘĘ
NS	0.0%	0.0%	0.0%	NS	NS%	0.0%	ND	0.0%	0.0%	0.0%	0.0%	0.0%	NS	NS	NS	0.0%	1,	NS	0.0%	NS	SN	(5-12)	Ē
SN	NS	0.0%	0.0%	SN	0.0%	0.0%	SN	0.0%	0.0%	0.0%	NS	0.0%	NS	0.0%	NS	NS	ļ si	SNS	0.0%	0.0%	0.0%	(9-12)	F

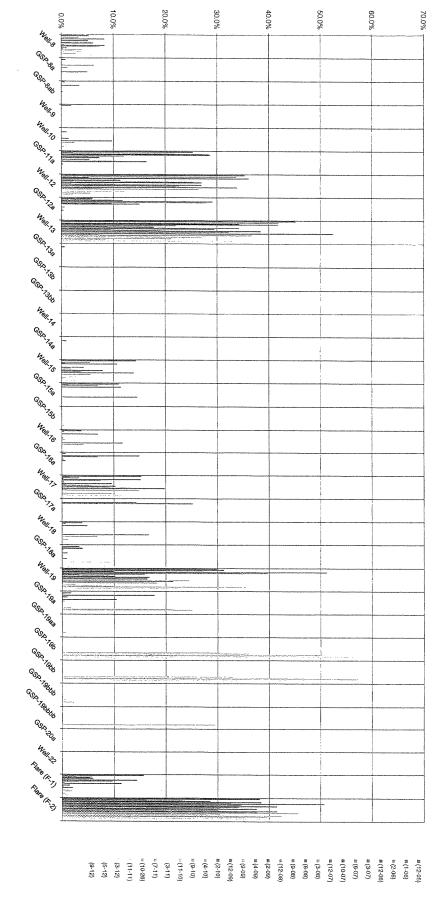
No. - Not Sampled
NS - Not Sampled
Bold values exceed regulatory acceptable levels (25% LEL)
*- Due to a large berm located offsite behind Well-13, sampling at the GSP-13 (25') location could not be

SEPTEMBER 2012 - BAROMETRIC PRESSURE DATA LEGLER LANDFILL (FACILITY No. 1511A) JACKSON TOWNSHIP, OCEAN COUNTY, NEW JERSEY

Weather Station						Wind	Wind	Barometric
Location	State	Date & Time	Time Interval	Temperature	Precipitation	Speed	Direction	Pressure
Cream Ridge	2	9/4/2012 10:00	24 hours prior	75	0	1	S	30.03
Cream Ridge	N	9/4/2012 22:00	12 hours prior	75	0.01	9	SSW	29.88
Cream Ridge	2	9/5/2012 0:00	10 hours prior	75	0	7	SW	29.88
Cream Ridge	2	9/5/2012 2:00	8 hours prior	75	0	2	SSW	29.85
Cream Ridge	≥	9/5/2012 4:00	6 hours prior	74	0	9	SW	29.83
Cream Ridge	≥	9/5/2012 6:00	4 hours prior	75	0	⊣	SSE	29.83
Cream Ridge	Z	9/5/2012 8:00	2 hours prior	77	0	4	SW	29.83
Cream Ridge	2	9/5/2012 10:00	During Monitoring	79	0	6	WSW	29.83
Cream Ridge	2	9/5/2012 11:00	During Monitoring	08	0	5	WSW	29.83
Cream Ridge	2	9/5/2012 12:00	During Monitoring	82	0	10	WSW	29.8
Cream Ridge	2	9/5/2012 13:00	During Monitoring	75	0.17	7	NN	29.8
Cream Ridge	2	9/5/2012 14:00	During Monitoring	9/	0.39	0	SE	29.8
Cream Ridge	2	9/5/2012 15:00	During Monitoring	9/	0	0	NN	29.8
Cream Ridge	S	9/5/2012 16:00	During Monitoring	11	0	0	NNE	29.8

 $\underline{\text{Notes:}} \\ \textbf{Bold Cells indicate the times which FPA conducted the gas monitoring event} \\$

Figure 1
Changes in Onsite Methane Concentrations



Sample Dates

Sample Locations

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Figure 2
Changes in Onsite Lower Explosive Limits

