



July 20, 2010

New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Construction Services  
625 Broadway, 12<sup>th</sup> Floor  
Albany, New York 12233-7013

Attn: Jeffrey E. Trad, P.E.  
Environmental Engineer II

Re: Sonia Road Landfill Remediation Program  
Site Registry No. 152013  
Post Closure Program

Dear Mr. Trad:

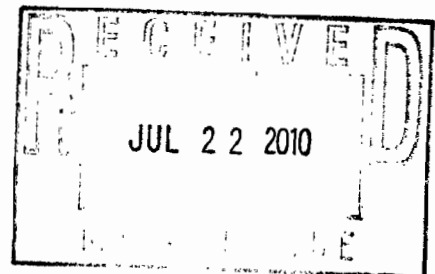
Attached please find the Second Quarter Sonia Road Post Closure Monitoring Report for 2010. Also included (as Appendices A, B, C & D) are 1) field photographs; 2) the April, May, & June 2010 Gas Migration Monitoring Report; 3) Omntec Test Results, and 4) the total number of cars stored on site. There is no groundwater / well condition report for this quarter as there has been a State-approved change in the reporting frequency for such (see Appendix E).

If there are any questions please contact me at (631) 224-5645.

Sincerely,

Robert M. Brick  
Executive Assistant to the Agency President

cc: Christopher A. Andrade, President  
Anthony J. Varrichio, P.E., Chief Engineer  
Fazil Rahaman, Asst. Groundwater Treatment Plant Operator  
File



**TOWN OF ISLIP  
SUFFOLK COUNTY, NEW YORK**

**SONIA ROAD LANDFILL  
WEST BRENTWOOD, NEW YORK  
SITE REGISTRY NO. 152013**



**POST CLOSURE  
MONITORING AND MAINTENANCE REPORT**

**APRIL THROUGH JUNE  
2010**

**POST-CLOSURE MONITORING AND MAINTENANCE REPORT  
SONIA ROAD LANDFILL  
BRENTWOOD, NEW YORK**

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**SITE INSPECTION CHECKLIST**



TOWN OF ISLIP  
SONIA ROAD LANDFILL  
POST CLOSURE MONITORING AND MAINTENANCE PLAN  
SITE INSPECTION CHECK LIST

Vegetative Cover

Report Date: 07/12/2010

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
					6/9/2010	F. Rahaman

PROBLEM CODE	
C	Undesirable growth
E	Litter
F	Others

PRIORITY CODE	
4	Correct within 3 months
5	Correct within 6 months
7	Being Monitored
8	Other

If entire site Vegetative Cover is acceptable, check box and sign



Signature R. M. Dreich for F. Rahaman



TOWN OF ISLIP  
SONIA ROAD LANDFILL  
POST CLOSURE MONITORING AND MAINTENANCE PLAN  
SITE INSPECTION CHECK LIST

Soil Cover

Report Date: 07/12/2010

GRID NO	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
					6/9/2010	F. Rahaman

PROBLEM CODE	
C	Ponding (>10'x10')

PRIORITY CODE	
7	Being Monitored
8	Other

If entire site Soil Cover is acceptable, check box and sign



Signature R. M. Dick for F. Rahaman



SITE Inspection Check List Report

07/12/2010 10:37:00AM

**TOWN OF ISLIP  
SONIA ROAD LANDFILL**

**POST CLOSURE MONITORING AND MAINTENANCE PLAN**

**SITE INSPECTION CHECK LIST**

**Revetment Matting  
Side Slopes & Gabion Curb**

Report Date: 07/12/2010

GRID NO	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
B3	L	4	0	Beside Gabion Curb.	06/09/2010	Fazil Rahaman
B5	F	7	0		06/09/2010	Fazil Rahaman
E1.H1	F	7	0		06/09/2010	Fazil Rahaman
H2.H5	F	7	0		06/09/2010	Fazil Rahaman

PROBLEM CODE	
B	Slope movement
F	Settlement
J	Damaged baskets
L	Depression

PRIORITY CODE	
4	Correct within 3 months
7	Being Monitored

If entire site Revetment Matting is acceptable, check box and sign

Signature \_\_\_\_\_



TOWN OF ISLIP
SONIA ROAD LANDFILL
POST CLOSURE MONITORING AND MAINTENANCE PLAN
SITE INSPECTION CHECK LIST

Access roads

Report Date: 07/12/2010

Table with 7 columns: GRID NO, PROBLEM CODE, PRIORITY CODE, PHOTO, COMMENTS, DATE, INSPECTED BY. Rows include A3, C5, E1, F1, F5, G5 with various problem and priority codes and inspection dates.

Table titled 'PROBLEM CODE' with 2 columns: Code and Description. Includes C (Potholes), E (Erosion gullies), F (Loss of stone cover), H (Ponding), I (Depressions).

Table titled 'PRIORITY CODE' with 2 columns: Code and Description. Includes 1 (Immediate), 4 (Correct within 3 months), 5 (Correct within 6 months), 7 (Being Monitored).

If entire site Access roads is acceptable, check box and sign

Empty checkbox

Signature \_\_\_\_\_





**TOWN OF ISLIP  
SONIA ROAD LANDFILL  
POST CLOSURE MONITORING AND MAINTENANCE PLAN  
SITE INSPECTION CHECK LIST**

**Stormwater collection system 1 of 4  
Perimeter Swale & Diversion Swale**

Report Date: 07/12/2010

GRID NO	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
B5.H5	L	7	0	Settlement; needs attention.	06/09/2010	Fazil Rahaman
D1 & E1	C	7	0	Needs attention.	06/09/2010	Fazil Rahaman
H1.H5	L	7	0	Settlement; needs attention.	06/09/2010	Fazil Rahaman

PROBLEM CODE	
B	Slope movement
C	Silt accumulation
D	Ponded water
E	Vegetative cover
F	Debris/clogging
L	Others

PRIORITY CODE	
1	Immediate
4	Correct within 3 months
5	Correct within 6 months
7	Being Monitored

If entire site Stormwater collection system 1 of 4 is acceptable, check box and sign

Signature \_\_\_\_\_



Site Inspection Report

07/12/2010 10:37:00AM

TOWN OF ISLIP  
SONIA ROAD LANDFILL

POST CLOSURE MONITORING AND MAINTENANCE PLAN

SITE INSPECTION CHECK LIST

Stormwater collection system 2 of 4  
Inlet Structure & Rip-Rap Drainway

Report Date: 07/12/2010

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
					6/9/2010	F. Rahaman

PROBLEM CODE	
F	Debris/clogging
L	Woody vegetation

PRIORITY CODE	
4	Correct within 3 months

If entire site Stormwater collection system 2 of 4 is acceptable, check box and sign



Signature M.M. Brick for F. Rahaman



TOWN OF ISLIP  
SONIA ROAD LANDFILL

POST CLOSURE MONITORING AND MAINTENANCE PLAN

SITE INSPECTION CHECK LIST

Stormwater collection system 3 of 4  
Energy Dissipators & Down-Chutes

Report Date: 07/12/2010

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
					6/9/2010	F. Rahaman

PROBLEM CODE	
L	Woody Vegetation

PRIORITY CODE	
4	Correct within 3 months

If entire site Stormwater collection system 3 of 4 is acceptable, check box and sign



Signature M. M. Brick for F. Rahaman



# SITE Inspection Checklist Report

07/12/2010 10:37:00AM

## TOWN OF ISLIP SONIA ROAD LANDFILL

### POST CLOSURE MONITORING AND MAINTENANCE PLAN

#### SITE INSPECTION CHECK LIST

**Stormwater collection system 4 of 4  
Drywells & Culverts/Outlets**

Report Date: 07/12/2010

GRID NO	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
D1 & E1	C	7	0	Culvert/Outlets. Located on access road.	06/09/2010	Fazil Rahaman
C5	H	7	0		06/09/2010	Fazil Rahaman

PROBLEM CODE	
C	Silt accumulation
E	Vegetative cover
H	Soil erosion around
K	Others

PRIORITY CODE	
4	Correct within 3 months
7	Being Monitored

If entire site Stormwater collection system 4 of 4 is acceptable, check box and sign

Signature \_\_\_\_\_



# SITE Inspection Checklist Report

07/12/2010 10:37:00AM

## TOWN OF ISLIP SONIA ROAD LANDFILL

### POST CLOSURE MONITORING AND MAINTENANCE PLAN

### SITE INSPECTION CHECK LIST

Recharge basins

Report Date: 07/12/2010

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
					6/9/2010	F. Rahaman

PROBLEM CODE	
A	Vegetation
G	Others

PRIORITY CODE	
4	Correct within 3 months

If entire site Recharge basins is acceptable , check box and sign



Signature           *R.M. Brich for F. Rahaman*



# SITE Inspection Checklist Report

07/12/2010

## TOWN OF ISLIP SONIA ROAD LANDFILL POST CLOSURE MONITORING AND MAINTENANCE PLAN SITE INSPECTION CHECK LIST

**Monitoring wells**

Report Date: 07/12/2010

Item ID	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
MW-06S, 6I & 6D	F	7	0	Erosion around Pre-cast. Also, please refer to Well Condition Report - Feb. 11, 2010 - prepared by H2M.	07/01/2010	Fazil Rahaman

PROBLEM CODE	
A	Damage
C	Settlement
E	Gasket Damage
F	Others

PRIORITY CODE	
3	Correct within 1 month
4	Correct within 3 months
7	Being Monitored
8	Other

If entire site Monitoring wells is acceptable, check box and sign

Signature \_\_\_\_\_



# SITE Inspection Checklist Report

07/12/2010 10:37:00AM

## TOWN OF ISLIP SONIA ROAD LANDFILL

### POST CLOSURE MONITORING AND MAINTENANCE PLAN

#### SITE INSPECTION CHECK LIST

**Landfill Gas Collection System**

Report Date: 07/12/2010

Item ID	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
GC5	N	7	1	Sand percolating upward through sump opening.	06/17/2010	Fazil Rahaman
Vault 11	D	7	2	Soil erosion on south side of vault	06/17/2010	Fazil Rahaman
Vault 14	N	1	0	Sample nipple missing.	06/17/2010	Fazil Rahaman

PROBLEM CODE	
D	Settlement
K	Soil erosion around
L	Access restricted
N	Others

PRIORITY CODE	
1	Immediate
4	Correct within 3 months
7	Being Monitored
8	Other

If entire site Landfill gas collection system is acceptable, check box and sign

Signature \_\_\_\_\_



# SITE Inspection Checklist Report

07/12/2010

## TOWN OF ISLIP SONIA ROAD LANDFILL POST CLOSURE MONITORING AND MAINTENANCE PLAN SITE INSPECTION CHECK LIST

**Landfill gas compound**

Report Date: 07/12/2010

Item ID	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
Blower	K	7	0	104A. Between pulley & housing.	07/01/2010	Fazil Rahaman
Gas	M	7	0	Panel: results on print- out;	07/01/2010	Fazil Rahaman
Condensate				attached.		
Flare	M	7	0	Used for venting only.	07/01/2010	Fazil Rahaman

PROBLEM CODE	
F	Alarms
J	Gauges
K	Oil leak
M	Others

PRIORITY CODE	
1	Immediate
4	Correct within 3 months
7	Being Monitored
8	Other

If entire site Landfill gas compound is acceptable, check box and sign

Signature \_\_\_\_\_





# SITE Inspection Checklist Report

07/12/2010

## TOWN OF ISLIP SONIA ROAD LANDFILL

### POST CLOSURE MONITORING AND MAINTENANCE PLAN

#### SITE INSPECTION CHECK LIST

**Site Facilities**

Report Date: 07/12/2010

Item ID	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
Flare Control Panel	L	7	0	"Inlet gas high temp." reflected on digital screen.(Note: FLARE USED FOR VENTING ONLY).	07/01/2010	Fazil Rahaman
E1	K	7	0	Due to settlement.	07/01/2010	Fazil Rahaman
F1	K	7	0	Same as above.	07/01/2010	Fazil Rahaman

PROBLEM CODE	
A	Damage
G	Replace indicator lights
J	Slope Movement
K	Fence Movement
L	Others

PRIORITY CODE	
1	Immediate
4	Correct within 3 months
7	Being Monitored
8	Other

If entire site's facilities are acceptable, check box and sign

Signature \_\_\_\_\_



# SITE Inspection Checklist Report

07/12/2010 10:37:00AM

## TOWN OF ISLIP SONIA ROAD LANDFILL

### POST CLOSURE MONITORING AND MAINTENANCE PLAN

### SITE INSPECTION CHECK LIST

#### General Comments

Report Date: 07/12/2010

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS *see below*	DATE	INSPECTED BY:
					7/1/2010	F. Rahaman

PROBLEM CODE

PRIORITY CODE

If entire site General Comments is acceptable, check box and sign

Signature \_\_\_\_\_

Gas Collection Wells #9 through #16 scheduled for inspection during 3<sup>rd</sup> quarter, 2010.

Gas Valves #15 through #18 scheduled for inspection during 3<sup>rd</sup> quarter, 2010.

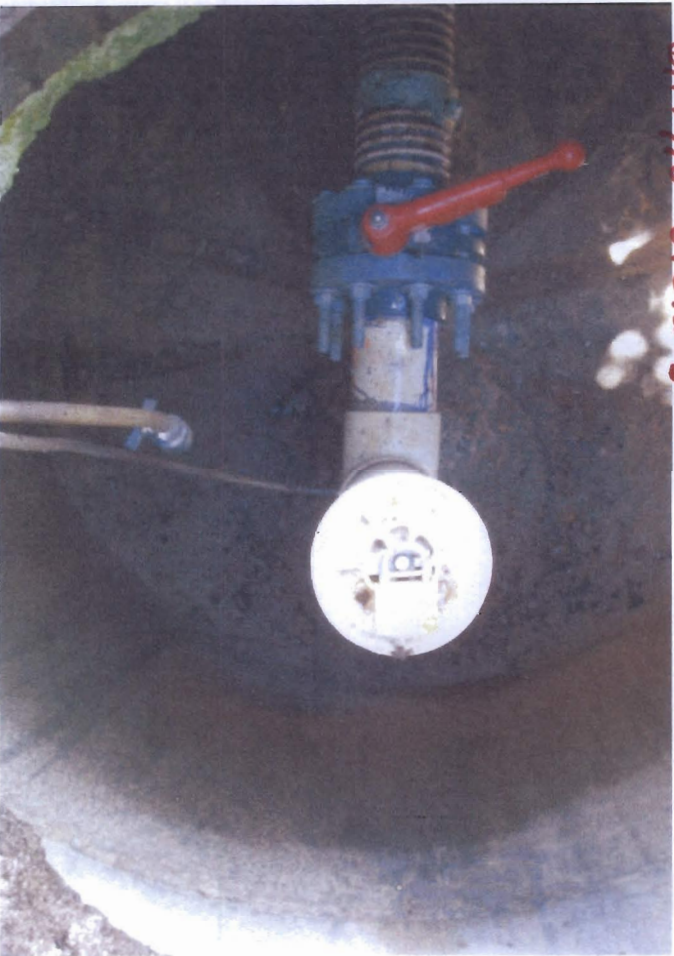
**APPENDIX A**  
**FIELD PHOTOGRAPHS**



6/17/10 G.V. 11



6/17/10 G.V. 11



6/17/10 G.C.W. 5

**APPENDIX B**  
**GAS MIGRATION MONITORING**

# FPM group \_\_\_\_\_ Engineering and Environmental Science

FPM Group, Ltd.  
FPM Engineering Group, P.C.  
formerly Fanning, Phillips and Molnar

CORPORATE HEADQUARTERS  
909 Marconi Avenue  
Ronkonkoma, NY 11779  
631/737-6200  
Fax 631/737-2410

May 3, 2010

Mr. Alan R. Sanchez  
Vice President of Operations  
Islip Resource Recovery Agency  
401 Main Street  
Islip, New York 11751

Re: **Sonia Road Landfill**  
**April 2010 Landfill Gas Monitoring Results**  
**FPM File No. 631-08-11**

Dear Mr. Sanchez:


On April 26, 2010, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GA-90 Gas Analyzer, model GA1/1.

Oxygen (O<sub>2</sub>) gas and methane (CH<sub>4</sub>) gas were zeroed according to the manufacturer's specifications. The gas analyzer was calibrated with 15 percent (%) CH<sub>4</sub> and 15% carbon dioxide (CO<sub>2</sub>) with the balance nitrogen (N<sub>2</sub>) gas, and 4% O<sub>2</sub> with the balance N<sub>2</sub> gas according to the manufacturer's recommendation prior to sampling.

The landfill gas monitoring results are provided in Table 1. The next landfill gas monitoring event is tentatively scheduled for May 24, 2010. Jim Jahnke will be notified several days in advance of the sampling event.

Should you have any questions, please do not hesitate to call me at (631) 737-6200, ext. 229.

Sincerely,

  
Jessica K. Bluth  
Hydrogeologist

JKB:tac  
Attachment

cc: Jim Jahnke (via fax)  
Fazil Rahaman (via fax)

S:\slip RRA\Reports\Sonia-Ltr2010 Letters\April.doc

**TABLE 1  
LANDFILL GAS MONITORING RESULTS  
SONIA ROAD LANDFILL  
ISLIP, NEW YORK**

**Gas Monitoring Wells**

Location ID	Well Condition	Time & Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	Atmospheric Pressure	Relative Pressure
SONIBLOW	OK	4/26/2010 12:02	0.0	0.1	17.3	29.2	-32.70
GM-01	OK	4/26/2010 12:05	0.0	0.7	16.9	29.2	0.00
GM-02	OK	4/26/2010 12:12	0.0	3.2	7.5	29.2	0.00
GM-03	OK	4/26/2010 12:25	0.0	1.3	15.8	29.2	0.00
GM-04	OK	4/26/2010 13:58	0.0	0.1	17.2	29.2	0.00
GM-05	OK	4/26/2010 12:33	0.0	0.1	17.1	29.2	-0.40
GM-06	OK	4/26/2010 12:38	0.0	0.1	17.2	29.2	-0.10
GM-07	OK	4/26/2010 12:44	0.0	0.1	17.2	29.2	-0.10
GM-08	OK	4/26/2010 12:50	0.0	0.1	17.2	29.2	0.00
GM-09	OK	4/26/2010 12:59	0.0	0.1	17.2	29.2	0.00
GM-10	OK	4/26/2010 13:04	0.0	0.1	17.2	29.2	0.00
GM-11	OK	4/26/2010 13:09	0.0	1.3	16.2	29.2	0.00
GM-12	OK	4/26/2010 13:18	0.0	0.3	16.9	29.2	-0.10
GM-13	OK	4/26/2010 13:24	0.0	0.1	17.2	29.2	0.00
GM-14	OK	4/26/2010 13:32	0.0	0.1	17.2	29.2	0.00
GM-15	OK	4/26/2010 13:37	0.0	0.1	17.2	29.2	0.00
GM-16	OK	4/26/2010 13:44	0.0	1.3	16.0	29.2	-0.10
GM-17	OK	4/26/2010 13:50	0.0	0.5	16.8	29.2	-0.10

**Notes:**

CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub> are reported in percent gas.

Relative well head pressure is reported in inches of water.

Atmospheric pressure is reported in inches of mercury.

Recovery System Status - Off

Weather - Light rain, 58°F

**FPM**

**FPM** group

Engineering and Environmental Science

FPM Group, Ltd.  
FPM Engineering Group, P.C.  
formerly Fanning, Phillips and Molnar

CORPORATE HEADQUARTERS  
908 Mercant Avenue  
Ronkonkoma, NY 11779  
631/737-6200  
Fax 631/737-2410

June 1, 2010

Mr. Alan R. Sanchez  
Vice President of Operations  
Islip Resource Recovery Agency  
401 Main Street  
Islip, New York 11751

Re: **Sonia Road Landfill**  
**May 2010 Landfill Gas Monitoring Results**  
**FPM File No. 631-08-11**

Dear Mr. Sanchez:

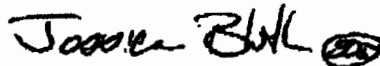
On May 21, 2010, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GA-90 Gas Analyzer, model GA1/1.

Oxygen (O<sub>2</sub>) gas and methane (CH<sub>4</sub>) gas were zeroed according to the manufacturer's specifications. The gas analyzer was calibrated with 15 percent (%) CH<sub>4</sub> and 15% carbon dioxide (CO<sub>2</sub>) with the balance nitrogen (N<sub>2</sub>) gas, and 4% O<sub>2</sub> with the balance N<sub>2</sub> gas according to the manufacturer's recommendation prior to sampling.

The landfill gas monitoring results are provided in Table 1. The next landfill gas monitoring event is tentatively scheduled for June 22, 2010. Jim Jahnke will be notified several days in advance of the sampling event. Prior to the next monitoring event, it is requested that all wells be cleared of overgrown vegetation.

Should you have any questions, please do not hesitate to call me at (631) 737-6200, ext. 229.

Sincerely,



Jessica K. Bluth  
Hydrogeologist

JKB:tac  
Attachment

cc: Jim Jahnke (via fax)  
Fazil Rahaman (via fax)

S:\Islip RRAWR\reports\Sonia-Ltr-2010 Letters\May.doc



**TABLE 1  
LANDFILL GAS MONITORING RESULTS  
SONIA ROAD LANDFILL  
ISLIP, NEW YORK**

**Gas Monitoring Wells**

Location ID	Well Condition	Time & Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	Atmospheric Pressure	Relative Pressure
SONIBLOW	OK	5/21/2010 12:01	0.0	0.1	17.0	30.1	-36.40
GM-01	OK	5/21/2010 12:04	0.0	0.6	16.5	30.1	0.10
GM-02	OK	5/21/2010 12:12	0.0	4.3	6.0	30.0	0.00
GM-03	OK	5/21/2010 12:20	0.0	1.1	15.8	30.0	0.00
GM-04	OK	5/21/2010 13:54	0.0	0.0	16.8	30.0	0.00
GM-05	OK	5/21/2010 12:28	0.0	0.1	16.6	30.0	-0.50
GM-06	OK	5/21/2010 12:33	0.0	0.5	16.3	30.0	-0.20
GM-07	OK	5/21/2010 12:38	0.0	0.8	16.0	30.0	-0.20
GM-08	OK	5/21/2010 12:45	0.0	0.5	16.2	30.0	-0.10
GM-09	OK	5/21/2010 12:53	0.0	1.4	15.3	29.9	-0.10
GM-10	OK	5/21/2010 12:59	0.0	0.7	16.1	30.0	0.00
GM-11	OK	5/21/2010 13:07	0.0	1.3	15.6	30.0	0.00
GM-12	OK	5/21/2010 13:13	0.0	0.2	16.5	28.9	-0.10
GM-13	OK	5/21/2010 13:19	0.0	1.4	15.7	29.9	0.00
GM-14	OK	5/21/2010 13:26	0.0	1.0	15.8	29.9	0.00
GM-15	OK	5/21/2010 13:34	0.0	0.0	16.8	30.0	0.00
GM-16	OK	5/21/2010 13:40	0.0	1.2	15.9	30.0	-0.20
GM-17	OK	5/21/2010 13:46	0.0	0.4	16.5	30.0	-0.10

**Notes:**

CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub> are reported in percent gas.

Relative well head pressure is reported in inches of water.

Atmospheric pressure is reported in inches of mercury.

Recovery System Status - Off

Weather - Mostly cloudy, 77°F

**FPM**

FPM group \_\_\_\_\_ Engineering and Environmental Science

FPM Group, Ltd.  
FPM Engineering Group, P.C.  
formerly Fanning, Phillips and Molnar

CORPORATE HEADQUARTERS  
909 Marconi Avenue  
Ronkonkoma, NY 11779  
631/737-6200  
Fax 631/737-2410

July 9, 2010

Mr. Alan R. Sanchez  
Vice President of Operations  
Islip Resource Recovery Agency  
401 Main Street  
Islip, New York 11751

Re: **Sonia Road Landfill**  
**June 2010 Landfill Gas Monitoring Results**  
**FPM File No. 631-08-11**

Dear Mr. Sanchez:

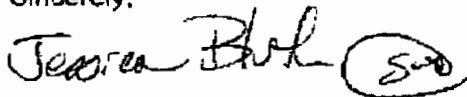
On June 23, 2010, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GA-90 Gas Analyzer, model GA1/1.

Oxygen (O<sub>2</sub>) gas and methane (CH<sub>4</sub>) gas were zeroed according to the manufacturer's specifications. The gas analyzer was calibrated with 15 percent (%) CH<sub>4</sub> and 15% carbon dioxide (CO<sub>2</sub>) with the balance nitrogen (N<sub>2</sub>) gas, and 4% O<sub>2</sub> with the balance N<sub>2</sub> gas according to the manufacturer's recommendation prior to sampling.

The landfill gas monitoring results are provided in Table 1. The next landfill gas monitoring event is tentatively scheduled for July 27, 2010. Jim Jahnke will be notified several days in advance of the sampling event. **Prior to the next monitoring event, it is requested that all wells be cleared of overgrown vegetation.**

Should you have any questions, please do not hesitate to call me at (631) 737-6200, ext. 229.

Sincerely,



Jessica K. Bluth  
Hydrogeologist

JKB:tac  
Attachment

cc: Jim Jahnke (via fax)  
Fazil Rahaman (via fax)

Islip RRA\Reports\Sonia-LR-2010 Letters\June.doc

**TABLE 1  
LANDFILL GAS MONITORING RESULTS  
SONIA ROAD LANDFILL  
ISLIP, NEW YORK**

**Gas Monitoring Wells**

Location ID	Well Condition	Time & Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	Atmospheric Pressure	Relative Pressure
SONIBLOW	OK	6/23/2010 11:35	3.5	11.3	7.1	29.8	4.30
GM-01	OK	6/23/2010 11:36	0.0	0.6	15.9	29.8	0.00
GM-02	OK	6/23/2010 11:40	0.0	6.8	11.9	29.8	-
GM-03	OK	6/23/2010 11:43	0.0	0.8	14.7	29.8	0.00
GM-04	OK	6/23/2010 11:46	0.0	0.2	16.3	29.8	-
GM-05	OK	6/23/2010 10:51	0.0	0.1	16.7	29.8	-0.30
GM-06	OK	6/23/2010 10:54	0.0	0.6	16.4	29.8	-0.10
GM-07	OK	6/23/2010 10:56	0.0	1.7	14.7	29.8	-0.20
GM-08	OK	6/23/2010 11:01	0.0	1.1	15.7	29.8	-0.10
GM-09	OK	6/23/2010 11:03	0.0	0.2	16.6	29.8	-0.10
GM-10	OK	6/23/2010 11:06	0.0	0.8	16.3	29.8	0.00
GM-11	OK	6/23/2010 11:10	0.0	1.4	15.8	29.8	0.00
GM-12	OK	6/23/2010 11:13	0.0	0.2	16.5	29.8	-0.10
GM-13	OK	6/23/2010 11:16	0.0	1.7	15.4	29.8	0.00
GM-14	OK	6/23/2010 11:19	0.0	1.4	15.3	29.8	0.00
GM-15	OK	6/23/2010 11:23	0.0	0.1	16.7	29.8	0.00
GM-16	OK	6/23/2010 11:26	0.0	1.0	15.9	29.8	-0.10
GM-17	OK	6/23/2010 11:29	0.0	0.7	16.1	29.8	-0.10

**Notes:**

CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub> are reported in percent gas.  
 Relative well head pressure is reported in inches of water.  
 Atmospheric pressure is reported in inches of mercury.  
 Recovery System Status - On  
 - = Data not recorded  
 Weather - Mostly cloudy, 83°F



**APPENDIX C**  
**OMNTEC TEST RESULTS**

---OMNTEC Mfg., Inc.  
Tel: 1(631)981-2001  
Fax: 1(631)981-2007

---SITE INFORMATION:  
Name:Town Of Islip  
Addr:SON'^ ROAD LANDFILL  
ID#: EL018627  
VER 4.22 PR 030603  
JUL 01, 2010 08:11 AM

---Testing PROM  
PROM Tests OK

---Testing RAM PASSED  
---Parameter Flash Used 0.75%

---Check Slot  
Slot 1 Annunciator Board  
Slot 2 Relay Board  
Slot 3 Relay Board

---Testing Level Probes  
T# PRODUCT TYPE TEST  
T1 Leachate P

---Testing Leak Sensors  
S# P/N LABEL TEST  
01 BXPDS PIPE CONTAIN.CHAMBE.. P  
(S/N: 200092605)  
02 BXPDS T 1,Sump#: 1 P  
(S/N: 200080154)  
03 BXPWF T 1,Dbte\_Wall#: 1 P  
(S/N: 210030803)  
04 BXUT1 Caution Level P  
(S/N: 500031027)

S#= SENSOR NUMBER, P/N= PART NUMBER,  
T#= TANK, S/N= SENSOR SERIAL NUMBER,  
P=PASS, A=ALARM, F=FAIL, NR=NO REPLY

**APPENDIX D  
TOTAL CARS STORED ON SITE**

## ATLANTIC CENTRAL STORAGE

June 29, 2010

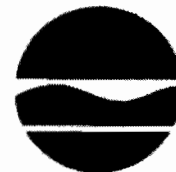
DEALERSHIPS	UNITS ON HILL	UNITS AT LEXUS PDI
ATLANTIC HYUNDAI	342	0
ADVANTAGE TOYOTA	195	0
ATLANTIC AUDI	3	0
ATLANTIC CADDY	10	0
ATLANTIC CHEVY	54	0
HUNTINGTON TOYOTA	183	0
ATLANTIC NISSAN	241	0
ATLANTIC TOYOTA	192	0
ATLANTIC HONDA	268	0
LEXUS OF MASSAPEQUA	0	206
LEXUS OF R.V.C	0	171
MILLENNIUM HONDA	164	0
MASSAPEQUA NISSAN	122	0
WESTBURY NISSAN	8	0
TOTALS	1782	377

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**APPENDIX E**  
**19 MARCH 2009 NYSDEC CORRESPONDENCE**



**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
Remedial Bureau E, 12<sup>th</sup> Floor  
625 Broadway, Albany, New York 12233-7017  
Phone: (518) 402-9814 • FAX: (518) 402-9819  
Website: www.dec.ny.gov



Alexander B. Grannis  
Commissioner

MAR 19 2009

Mr. Anthony J. Varrichio, P.E.  
Chief Engineer  
Islip Resource Recovery Agency  
401 Main Street  
Islip, New York 11751

RE: Site No. 1-52-013  
Sonia Road Landfill Site  
State Assistance Contract No. C300428  
Post Closure Groundwater Monitoring Program  
2008 Annual Report

Dear Mr. Varrichio:

The New York State Department of Environmental Conservation (Department) has reviewed the January 2009 Post Closure Groundwater Monitoring Program 2008 Annual Report. You recommend reducing the current sampling program from quarterly to semi-annually based on the performance of the landfill cover system.

Sampling results to date typically show downward trending or consistent parameter levels. Therefore the request to modify the October 2000 (Revised December 2001) Post Closure Monitoring and Maintenance Plan from quarterly sampling to semi-annual sampling is approved.

If you have any questions regarding this matter, please call me at (518) 402-9814.

Sincerely,

Jeffrey E. Trad, P.E.  
Project Manager  
Remedial Section A, Remedial Bureau E  
Division of Environmental Remediation