

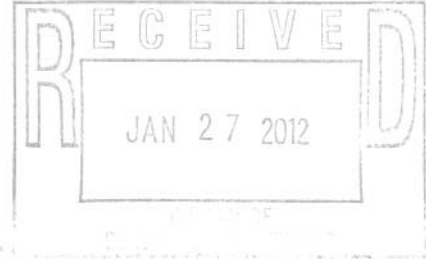


January 23, 2012

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Construction Services
625 Broadway, 12th 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:

Transmitted herewith is the Second Semi-Annual Sonia Road Post Closure Monitoring Report for 2011. Also included (as Appendices A, B, C, D & E) are 1) field photographs; 2) the July, August, September, October, November, & December 2011 FPM Gas Migration Migration Monitoring Reports; 3) the September, 2011 H2M Well Condition Report; 4) Omntec field test results; and 5) the total number of cars stored on site (by month; provided by the lease).

Sincerely,

Alan R. Sanchez
Vice President of Operations

ARS:wc

cc: Eric M. Hofmeister, President
Anthony J. Varrichio, P.E., Chief Engineer
Fazil Rahaman, Acting Ground Waster 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**

**JULY THROUGH DECEMBER
2011**

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

TABLE OF CONTENTS

<u>Title</u>	<u>Page</u>
SITE INSPECTION CHECKLIST.....	1-14
FIELD PHOTOGRAPHS.....	Appendix A
GAS MIGRATION MONITORING.....	Appendix B
WELL CONDITION REPORT.....	Appendix C
OMNTEC FIELD TEST RESULTS.....	Appendix D
CARS STORED ON SITE.....	Appendix E

SITE INSPECTION CHECKLIST

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

VEGETATIVE COVER

DATE: 12/20/11

Semi-Annual Inspection Storm Inspection

INSPECTION BY: FAZIL RAHMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
			Y <input type="checkbox"/> N <input type="checkbox"/> #	WINTER CONDITIONS.
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE	
a	Bare spots
b	Dead areas
c	Undesirable growth
d	Unauthorized dumping
e	Litter
f	

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

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

Signature: Fazil RAHMAN

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

SOIL COVER

Semi-Annual Inspection Storm Inspection

DATE: 12/20/11
INSPECTION BY: FAZIL RAHMANI

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
B5 #F4	C	5	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> # 2	monitoring
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE		PRIORITY CODE	
a	Erosion damage	g	Waste breakthrough
b	Slope movement	h	Leachate breakthrough
c	Ponding (>10x10')	i	Exposed geosynthetics
d	Holes	j	Vandalism
e	Cracking	k	Vector infestation
f	Rutting of soils	l	

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

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

Signature: _____

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

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

REVEEMENT MATTING (RIP RAP)

DATE: *12/20/11*

Semi-Annual Inspection Storm Inspection

INSPECTION BY: *Fazil RAHMATU*

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Side Slopes				
H1-H5	F	1	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> #	<i>MONITORING</i>
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
Gabion Barb				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE		PRIORITY CODE	
a	Vandalism	g	Waste breakthrough
b	Slope movement	h	Leachate breakthrough
c	Vector infestation	i	Exposed geosynthetics
d	Holes	j	Damaged baskets
e	Holes in wire fabric	k	Loose ties
f	Settlement	l	

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

Directions:
 List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If all Reveement Matting (Rip Rap) and Gabion Curbs are acceptable, check box and sign below.

Signature: _____

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

ACCESS ROADS

DATE: 12/20/11

Semi-Annual Inspection Storm Inspection

INSPECTION BY: FARIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
A3	C		Y <input type="checkbox"/> N <input checked="" type="checkbox"/> #	BETWEEN ROAD & ABANDONED FENCE. (CONSIDERING).
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE	
a	Potholes
b	Burrow holes
c	Erosion gullies
d	Loss of stone cover
e	Exposed geotextile
f	Obstructions/debris
g	Depressions
h	
i	
j	
k	
l	

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If all Access Roads are acceptable, check box and sign below.

Signature: _____

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

STORMWATER COLLECTION SYSTEM (1 of 4)

DATE: 12/20/11

INSPECTION BY: FAZIL RAMTHAN

Semi-Annual Inspection Storm Inspection

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Perimeter Swales				
H1-H5	K	-	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> #	MONITORING.
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
Diversion Swales				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

PROBLEM CODE	
a	Vandalism
b	Slope movement
c	Silt accumulation
d	Ponded water
e	Vegetative cover
f	Debris/ clogging
g	Erosion control fabric
h	Loss of topsoil
i	Exposed geosynthetics
j	Wash outs
k	SETTLEMENT
l	

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If Perimeter Swales and Diversion Swales are acceptable, check box and sign below.

Signature: _____

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

STORMWATER COLLECTION SYSTEM (2 of 4)

DATE: 12/20/11

Semi-Annual Inspection Storm Inspection

INSPECTION BY: FAZIL RAHMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Inlet Structures				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
Rip Rap Drainway				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
Culvert Outlets				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE	
a	Vandalism
b	Slope movement
c	Silt accumulation
d	Ponded water
e	Vegetative cover
f	Debris/ clogging
g	Erosion control fabric
h	Loss of stone
i	Loss of topsoil
j	Soil erosion around
k	Soil erosion beneath
l	Woody vegetation

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If Inlet Structures and Rip Rap Drainway are acceptable, check box and sign below.

Signature: Fazil Rahman

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

STORMWATER COLLECTION SYSTEM (3 of 4)

DATE: 12/20/11

Semi-Annual Inspection Storm Inspection

INSPECTION BY: FAZIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Energy Dissipators				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
Downchutes				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE	
a	Vandalism
b	Slope movement
c	Silt accumulation
d	Ponded water
e	Damage/ instability
f	Debris/ clogging
g	Soil erosion around
h	Loss of stone
i	Soil erosion beneath
j	Loose ties on baskets
k	Slippage of gabion
l	Woody vegetation

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If Energy Dissipators and Downchutes are acceptable, check box and sign below.

Signature: Fazil Rahman

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

STORMWATER COLLECTION SYSTEM (4 of 4)

DATE: 12/20/11

Semi-Annual Inspection Storm Inspection

INSPECTION BY: FARUK RAHMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Drywells				
C5	K	—	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> #	DEPRESSION AROUND GENERAL AREA (MONITORING)
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
Culverts/ Outlets				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE	
a	Vandalism
b	Slope movement
c	Silt accumulation
d	Ponded water
e	Vegetative cover
f	Debris/ clogging
g	Erosion control fabric
h	Soil erosion around
i	Exposed geosynthetics
j	Damage/ instability
k	SETTLEMENT
l	

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If Drywells and Culverts are acceptable, check box and sign below.

Signature: _____

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

RECHARGE BASINS

DATE: 12/20/11

Semi-Annual Inspection Storm Inspection

INSPECTION BY: FAZIL SAMANIAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Recharge Basin No. 1				
A3	A	-	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> #	MONITORING.
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
Recharge Basin No. 2				
A5	A	-	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> #	MONITORING.
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE	
a	Vegetation
b	Sideslope erosion
c	Sideslope failures
d	Silt accumulation
e	Overflow conditions
f	Debris/ clogging

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

Directions:
 List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If both Recharge Basins are acceptable, check box and sign below.

Signature: _____

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

MONITORING WELLS

Semi-Annual Inspection Storm Inspection

DATE: 12/20/11
INSPECTION BY: FAZIL RAHAMAN

ITEM I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
			Y <input type="checkbox"/> N <input type="checkbox"/> #	See well condition reports prepared by Town consultants.
			Y <input type="checkbox"/> N <input type="checkbox"/> #	[F.P.M. REPORTS ATTACHED (JULY THROUGH DEC.)]
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	See well condition reports prepared by Town consultants.
			Y <input type="checkbox"/> N <input type="checkbox"/> #	H2M REPORT ATTACHED (SEPTEMBER 2, 2011).
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE
a
b
c
d
e
f

PRIORITY CODE
1
2
3
4
5
6

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If all Monitoring Wells are acceptable, check box and sign below.

Signature: _____

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

LANDFILL GAS COLLECTION SYSTEM

Semi-Annual Inspection Storm Inspection

DATE: 12/1/11

INSPECTION BY: FAZIL RAHAMAN

ITEM I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
LFG Recovery Wells/ Valve Vaults				
15,17,18	D	1	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> #	SEE PG. 14 REMOVE EXCESS DIRT FROM WITHIN VAULT.
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
LFG Collection Wells (GC1 - GC 16)				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	SEE PG. 14
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE	
a	Odor
b	Damage
c	Vandalism
d	Settlement
e	Vector infestation
f	No vacuum
g	Broken valve
h	Broken piping
i	Exposed geosynthetics
j	Damage/ instability
k	Soil erosion around
l	Access restricted

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If entire site Landfill Gas Collection System is acceptable, check box and sign below.

Signature: _____

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

LANDFILL GAS COMPOUND

DATE: 12/29/11

Semi-Annual Inspection Storm Inspection

INSPECTION BY: FAZIL RAHAMAN

ITEM I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Blower Pad/ Blower Nos, 104A and 104B				
104A&B	K	-	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> #	MINOR OIL LEAK BETWEEN PULLY & HOUSING (PROVIDENT)
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
Flare				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
			Y <input type="checkbox"/> N <input type="checkbox"/> #	USED FOR VENTING ONLY.
Condensate Storage				
			Liquid Volume = <u>288</u> Gallons	
			Alarms: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Test System: OK <input checked="" type="checkbox"/> Not Successful <input type="checkbox"/>
			Y <input type="checkbox"/> N <input type="checkbox"/> #	SEE PRINT OUT ATTACHED.
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE	
a	Odor
b	Damage
c	Vandalism
d	Mechanical noise
e	No vacuum
f	Alarms
g	Broken valve
h	Broken piping
i	Broken belts
j	Gauges
k	OIL LEAK
l	

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If entire site Landfill Gas Compound is acceptable, check box and sign below.

Signature: _____

POST CLOSURE MONITORING AND MAINTENANCE PLAN
SITE INSPECTION CHECKLIST

SITE FACILITIES

DATE: 12/20, 12/29/11.

Semi-Annual Inspection Storm Inspection

INSPECTION BY: FAZIL RAHAMAN

ITEM I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Electrical Panels and Control Panels				
			Y <input type="checkbox"/> N <input checked="" type="checkbox"/> #	Lights tested: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
			Y <input type="checkbox"/> N <input type="checkbox"/> #	INLET GAS OVER RANGE, REFLECTED ON DIGITAL SCREEN. NOIE FAN USED FOR VENTING ONLY.
Gates/ Locks/ Signs				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
Fencing (Identify location by Grid I.D.)				
E1. F1	I	-	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> # 2	MONITORING.
			Y <input type="checkbox"/> N <input type="checkbox"/> #	
Site Trailer				
			Y <input type="checkbox"/> N <input type="checkbox"/> #	

PROBLEM CODE	
a	Damage
b	Vandalism
c	Alarms
d	Missing locks
e	Missing Signs
f	Hole in fence fabric
g	Replace indicator lights
h	Tripped/ reset required
i	SEIZE TENT
j	
k	
l	

PRIORITY CODE	
1	Immediate
2	Correct within 1 week
3	Correct within 1 month
4	Correct within 3 months
5	Correct within 6 months
6	Correct within 1 year

Directions:
List only items or areas of the site where problems or deficiencies are noted or where repairs or rehabilitation are required.

If all Site Facilities are acceptable, check box and sign below.

Signature: _____

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

COMMENTS

Semi-Annual Inspection Storm Inspection

DATE: 12/29/11

INSPECTION BY: FAZIL RAHMAN

ADDITIONAL COMMENTS AS REQUIRED

GAS COLLECTION WELLS #1 THROUGH #8 SCHEDULED FOR INSPECTION FIRST HALF OF 2012.
GAS VALVE VAULTS #10 THROUGH #14 SCHEDULED FOR INSPECTION FIRST HALF OF 2012.

Site inspection has been completed, check box and sign below.

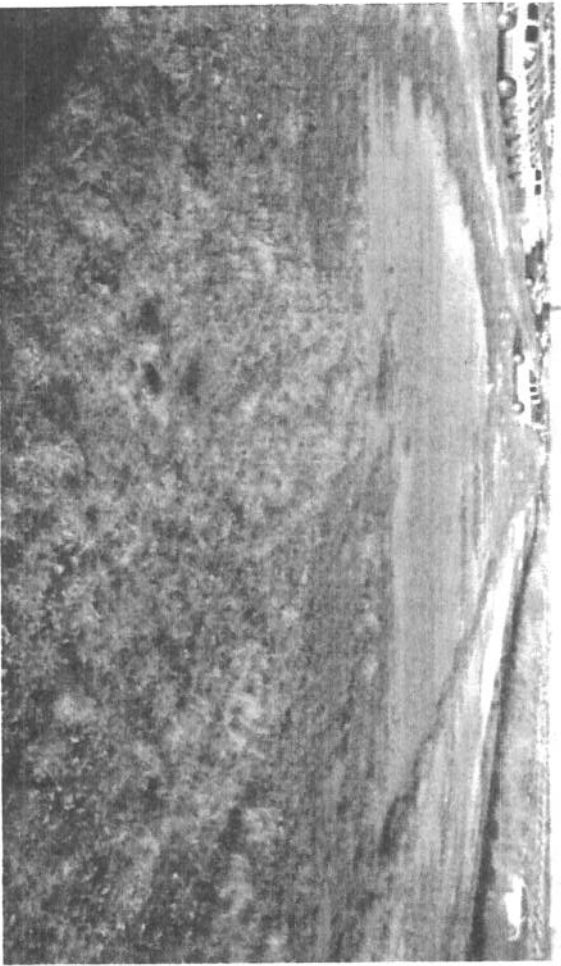
Signature: Fazil Rahman

**APPENDIX A
FIELD PHOTOGRAPHS**

12/8/11 GRID I. D. B5



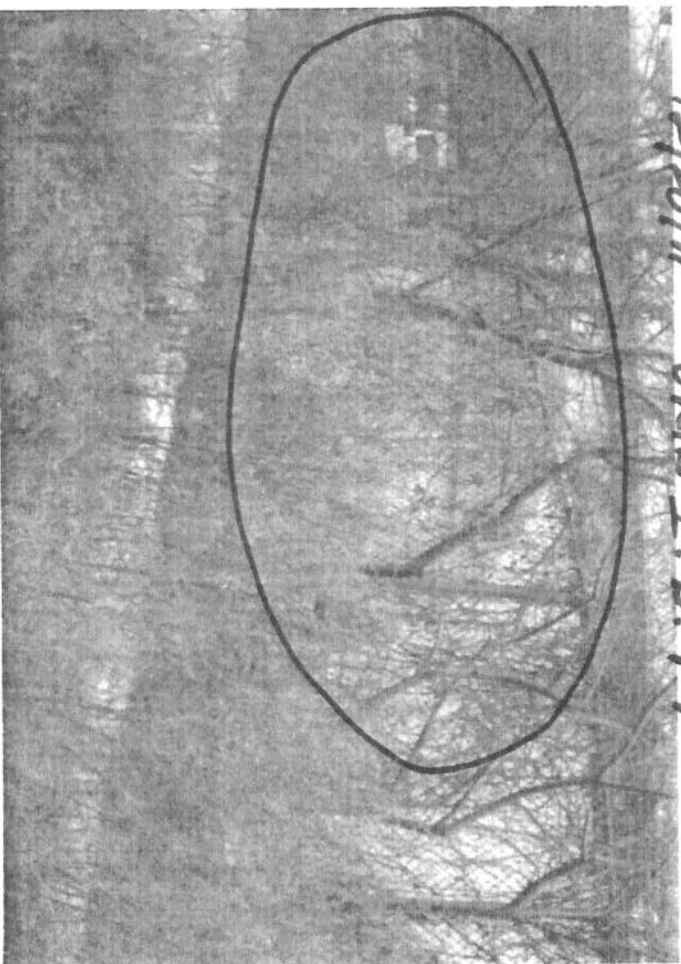
12/8/11 GRID I. D. F4



12/20/11 GRID I. D, E1



12/20/11 GRID I. D. F1



APPENDIX B
GAS MIGRATION MONITORING REPORTS(6)

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

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

January 6, 2012

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

Re: **Sonia Road Landfill**
December 2011 Landfill Gas Monitoring Results
FPM File No. 631-08-11

Dear Mr. Sanchez:

On December 9, 2011, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GEM 2000 Gas Analyzer.

Oxygen (O₂) gas and methane (CH₄) gas were zeroed according to the manufacturer's specifications. The gas analyzer was calibrated with 15 percent (%) CH₄ and 15% carbon dioxide (CO₂) with the balance nitrogen (N₂) gas, and 4% O₂ with the balance N₂ 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 January 18, 2012. 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-LI9\2011 Letters\December.docx

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

Gas Monitoring Wells

Location ID	Well Condition	Time & Date	CH ₄	CO ₂	O ₂	Atmospheric Pressure	Relative Pressure
SONIBLOW	OK	12/9/2011 12:07	9.1	14.3	6.3	30.3	-16.33
GM-01	OK	12/9/2011 10:53	0.0	2.2	19.3	30.3	0.05
GM-02	OK	12/9/2011 11:00	0.0	3.6	17.7	30.3	0.02
GM-03	OK	12/9/2011 11:05	0.0	0.3	20.5	30.3	0.01
GM-04	OK	12/9/2011 12:13	0.1	0.4	20.7	30.3	0.00
GM-05	OK	12/9/2011 11:10	0.1	7.8	7.6	30.3	0.04
GM-06	OK	12/9/2011 11:14	0.0	0.8	20.3	30.3	0.00
GM-07	OK	12/9/2011 11:18	0.0	4.2	16.9	30.3	-0.04
GM-08	OK	12/9/2011 11:23	0.0	3.3	17.9	30.3	-0.05
GM-09	OK	12/9/2011 11:28	0.0	4.1	16.6	30.3	-0.03
GM-10	OK	12/9/2011 11:33	0.0	1.6	20.1	30.3	-0.03
GM-11	OK	12/9/2011 11:37	0.0	2.7	19.1	30.3	0.08
GM-12	OK	12/9/2011 11:41	0.0	0.4	20.7	30.3	0.09
GM-13	OK	12/9/2011 11:47	0.0	3.0	18.2	30.3	0.00
GM-14	OK	12/9/2011 11:50	0.0	0.3	20.8	30.3	-0.01
GM-15	OK	12/9/2011 11:57	0.0	1.7	19.8	30.3	-0.02
GM-16	OK	12/9/2011 12:00	0.0	2.4	18.7	30.3	-0.09
GM-17	OK	12/9/2011 12:04	0.0	1.1	20.5	30.3	-0.05

Notes:

CH₄, CO₂, and O₂ 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

Weather - Mostly sunny, 45°F

FPM

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

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

December 12, 2011

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

Re: **Sonia Road Landfill**
November 2011 Landfill Gas Monitoring Results
FPM File No. 631-08-11

Dear Mr. Sanchez:

On November 11, 2011, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GEM 2000 Gas Analyzer.

Oxygen (O₂) gas and methane (CH₄) gas were zeroed according to the manufacturer's specifications. The gas analyzer was calibrated with 15 percent (%) CH₄ and 15% carbon dioxide (CO₂) with the balance nitrogen (N₂) gas, and 4% O₂ with the balance N₂ 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 December 9, 2011. 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:\Islip RRA\Reports\Ronkoma-Ltr\2011 Letters\November.docx

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

Gas Monitoring Wells

Location ID	Well Condition	Time & Date	CH ₄	CO ₂	O ₂	Atmospheric Pressure	Relative Pressure
SONIBLOW	OK	11/11/2011 11:33	0.1*	0.1	21.0	29.4	-13.90
GM-01	OK	11/11/2011 11:38	0.0	2.3	18.5	29.4	0.53
GM-02	OK	11/11/2011 11:45	0.0	4.5	15.4	29.4	-0.06
GM-03	OK	11/11/2011 11:52	0.0	0.1	21.2	29.4	-0.01
GM-04	OK	11/11/2011 13:00	0.0	0.3	21.2	29.4	0.00
GM-05	OK	11/11/2011 11:58	0.0	0.0	21.4	29.4	-0.29
GM-06	OK	11/11/2011 12:03	0.0	1.1	20.0	29.4	-0.14
GM-07	OK	11/11/2011 12:10	0.0	4.1	15.4	29.4	-0.03
GM-08	OK	11/11/2011 12:16	0.0	4.6	15.3	29.4	-0.10
GM-09	OK	11/11/2011 12:22	0.0	5.8	13.8	29.4	-0.08
GM-10	OK	11/11/2011 12:26	0.0	1.3	20.4	29.4	-0.12
GM-11	OK	11/11/2011 12:30	0.0	1.7	19.9	29.4	-0.03
GM-12	OK	11/11/2011 12:35	0.0	0.3	21.3	29.4	-0.06
GM-13	OK	11/11/2011 12:39	0.0	2.4	19.0	29.4	0.01
GM-14	OK	11/11/2011 12:43	0.0	1.4	20.0	29.4	-0.08
GM-15	OK	11/11/2011 12:47	0.0	2.3	18.9	29.4	0.00
GM-16	OK	11/11/2011 12:50	0.0	1.8	19.8	29.4	-0.08
GM-17	OK	11/11/2011 12:54	0.0	1.4	20.3	29.4	-0.05

Notes:

CH₄, CO₂, and O₂ 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

Weather - Mostly sunny, 50°F

* = CH₄ reading variable between 0.0% and 9.6%

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

November 3, 2011

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

Re: **Sonia Road Landfill**
October 2011 Landfill Gas Monitoring Results
FPM File No. 631-08-11

Dear Mr. Sanchez:

On October 24, 2011, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GEM 2000 Gas Analyzer.

Oxygen (O₂) gas and methane (CH₄) gas were zeroed according to the manufacturer's specifications. The gas analyzer was calibrated with 15 percent (%) CH₄ and 15% carbon dioxide (CO₂) with the balance nitrogen (N₂) gas, and 4% O₂ with the balance N₂ 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 November 21, 2011. 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. Blum
Hydrogeologist

JKB:fac
Attachment

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

S:\Info RRA\Reports\Sonia-Ltr\2011 Letters\October.docx

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

Gas Monitoring Wells

Location ID	Well Condition	Time & Date	CH ₄	CO ₂	O ₂	Atmospheric Pressure	Relative Pressure
SONIBLOW	OK	10/24/2011 11:12	0.0	0.0	21.0	30.0	-33.71
GM-01	OK	10/24/2011 11:15	0.0	2.2	18.9	30.0	0.01
GM-02	OK	10/24/2011 11:21	0.0	5.6	14.8	30.0	-0.07
GM-03	OK	10/24/2011 11:26	0.0	0.0	20.7	30.0	-0.11
GM-04	OK	10/24/2011 12:37	0.0	0.2	20.5	30.0	-0.05
GM-05	OK	10/24/2011 11:33	0.0	0.0	20.7	30.0	-0.37
GM-06	OK	10/24/2011 11:37	0.0	0.8	19.7	30.0	-0.11
GM-07	OK	10/24/2011 11:45	0.0	2.2	17.8	30.0	-0.20
GM-08	OK	10/24/2011 11:50	0.0	2.5	18.0	30.0	-0.13
GM-09	OK	10/24/2011 11:56	0.0	2.1	18.0	30.0	-0.12
GM-10	OK	10/24/2011 11:59	0.0	0.9	19.9	30.0	-0.04
GM-11	OK	10/24/2011 12:03	0.0	2.4	18.3	30.0	0.00
GM-12	OK	10/24/2011 12:07	0.0	0.2	20.6	30.0	-0.11
GM-13	OK	10/24/2011 12:14	0.0	3.0	17.5	30.0	-0.31
GM-14	OK	10/24/2011 12:19	0.0	0.0	20.8	30.0	-0.04
GM-15	OK	10/24/2011 12:22	0.0	2.2	18.3	30.0	-0.05
GM-16	OK	10/24/2011 12:27	0.0	2.1	18.5	30.0	-0.13
GM-17	OK	10/24/2011 12:31	0.0	1.0	19.8	30.0	-0.09

Notes:

CH₄, CO₂, and O₂ 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

Weather - Partly cloudy, 65°F



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

October 11, 2011

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

Re: **Sonia Road Landfill
September 2011 Landfill Gas Monitoring Results
FPM File No. 631-08-11**

Dear Mr. Sanchez:

On September 28, 2011, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GEM 2000 Gas Analyzer.

Oxygen (O₂) gas and methane (CH₄) gas were zeroed according to the manufacturer's specifications. The gas analyzer was calibrated with 15 percent (%) CH₄ and 15% carbon dioxide (CO₂) with the balance nitrogen (N₂) gas, and 4% O₂ with the balance N₂ 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 October 25, 2011. 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 RRA\Reports\Sonia-L\rel\2011 Letters\September.docx

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

Gas Monitoring Wells

Location ID	Well Condition	Time & Date	CH ₄	CO ₂	O ₂	Atmospheric Pressure	Relative Pressure
SONIBLOW	OK	9/28/2011 11:25	6.1	12.8	8.6	29.8	-32.50
GM-01	OK	9/28/2011 11:32	0.0	2.5	16.8	29.8	0.02
GM-02	OK	9/28/2011 11:44	0.0	3.9	11.0	29.8	0.00
GM-03	OK	9/28/2011 11:48	0.0	0.0	20.3	29.8	0.00
GM-04	OK	9/28/2011 11:55	0.0	0.0	20.4	29.8	-0.03
GM-05	OK	9/28/2011 12:01	0.0	0.0	20.3	29.8	-0.05
GM-06	OK	9/28/2011 12:10	0.0	0.5	20.1	29.8	-0.02
GM-07	OK	9/28/2011 12:25	0.0	2.0	18.3	29.8	-0.03
GM-08	OK	9/28/2011 12:32	0.0	1.1	19.3	29.8	-0.01
GM-09	OK	9/28/2011 12:40	0.0	0.5	19.0	29.8	-0.08
GM-10	OK	9/28/2011 12:47	0.0	2.0	18.9	29.8	-0.06
GM-11	OK	9/28/2011 12:54	0.0	1.6	19.0	29.9	-0.03
GM-12	OK	9/28/2011 13:01	0.0	0.9	20.0	29.9	0.00
GM-13	OK	9/28/2011 13:13	0.0	2.1	17.9	29.9	0.00
GM-14	OK	9/28/2011 13:20	0.0	2.6	18.9	29.9	-0.04
GM-15	OK	9/28/2011 13:27	0.0	1.9	17.9	29.9	0.00
GM-16	OK	9/28/2011 13:34	0.0	1.1	19.3	29.9	-0.09
GM-17	OK	9/28/2011 13:40	0.0	0.0	20.2	29.9	-0.08

Notes:

CH₄, CO₂, and O₂ 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

Weather - Overcast, 72°F

FPM



Engineering and Environmental Science

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

CORPORATE HEADQUARTERS
808 Marconi Avenue
Ronkonkoma, NY 11779
831/737-6200
Fax 631/737-2410

September 12, 2011

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

Re: **Sonia Road Landfill**
August 2011 Landfill Gas Monitoring Results
FPM File No. 631-08-11

Dear Mr. Sanchez:

On August 24, 2011, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GEM 2000 Gas Analyzer.

Oxygen (O₂) gas and methane (CH₄) gas were zeroed according to the manufacturer's specifications. The gas analyzer was calibrated with 15 percent (%) CH₄ and 15% carbon dioxide (CO₂) with the balance nitrogen (N₂) gas, and 4% O₂ with the balance N₂ 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 September 22, 2011. 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_RR\RA\Reports\Sonia-LI\re2011_Letters\August.docx

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

Gas Monitoring Wells

Location ID	Well Condition	Time & Date	CH ₄	CO ₂	O ₂	Atmospheric Pressure	Relative Pressure
SONIBLOW	OK	8/24/2011 10:53	5.7	10.7	9.7	30.0	-33.11
GM-01	OK	8/24/2011 10:58	0.0	2.2	17.0	30.0	0.01
GM-02	OK	8/24/2011 11:06	0.0	4.7	9.9	30.0	0.00
GM-03	OK	8/24/2011 11:13	0.0	0.0	20.2	30.0	-0.01
GM-04	OK	8/24/2011 12:43	0.0	0.3	20.4	30.0	-0.04
GM-05	OK	8/24/2011 11:19	0.0	0.0	20.4	30.0	-0.08
GM-06	OK	8/24/2011 11:27	0.0	1.0	19.6	30.0	-0.03
GM-07	OK	8/24/2011 11:32	0.0	2.4	17.9	30.0	-0.05
GM-08	OK	8/24/2011 11:38	0.0	1.5	18.9	30.0	-0.02
GM-09	OK	8/24/2011 11:44	0.0	0.9	19.5	30.0	-0.10
GM-10	OK	8/24/2011 11:48	0.0	1.8	19.4	30.0	-0.09
GM-11	OK	8/24/2011 11:53	0.0	1.7	19.0	30.0	-0.02
GM-12	OK	8/24/2011 12:02	0.0	0.4	20.4	30.0	0.00
GM-13	OK	8/24/2011 12:08	0.0	3.5	17.3	30.0	-0.01
GM-14	OK	8/24/2011 12:15	0.0	1.1	19.6	30.0	-0.06
GM-15	OK	8/24/2011 12:21	0.0	3.2	17.1	30.0	-0.01
GM-16	OK	8/24/2011 12:26	0.0	1.2	19.3	30.0	-0.13
GM-17	OK	8/24/2011 12:33	0.0	0.9	19.8	30.0	-0.10

Notes:

CH₄, CO₂, and O₂ 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
 Weather - Partly cloudy, 78°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

August 9, 2011

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

Re: **Sonia Road Landfill**
July 2011 Landfill Gas Monitoring Results
FPM File No. 631-08-11

Dear Mr. Sanchez:

On July 21, 2011, 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 (O₂) gas and methane (CH₄) gas were zeroed according to the manufacturer's specifications. The gas analyzer was calibrated with 15 percent (%) CH₄ and 15% carbon dioxide (CO₂) with the balance nitrogen (N₂) gas, and 4% O₂ with the balance N₂ 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 August 23, 2011. 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 RRA\Reports\Sonia-Lira\2011 Letters\July.docx

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

Gas Monitoring Wells

Location ID	Well Condition	Time & Date	CH ₄	CO ₂	O ₂	Atmospheric Pressure	Relative Pressure
SONIBLOW	OK	7/21/2011 11:48	0.0	0.1	15.4	29.7	-29.80
GM-01	OK	7/21/2011 11:51	0.0	2.2	14.0	29.7	0.00
GM-02	OK	7/21/2011 12:02	0.0	2.5	14.0	29.7	0.00
GM-03	OK	7/21/2011 12:10	0.0	0.1	15.2	29.7	-0.10
GM-04	OK	7/21/2011 13:51	0.0	0.7	14.4	29.7	0.00
GM-05	OK	7/21/2011 12:21	0.0	0.1	15.2	29.7	-0.20
GM-06	OK	7/21/2011 12:26	0.0	0.6	14.8	29.7	-0.10
GM-07	OK	7/21/2011 12:34	0.0	1.6	13.7	29.7	-0.10
GM-08	OK	7/21/2011 12:40	0.0	1.8	13.7	29.7	-0.10
GM-09	OK	7/21/2011 12:47	0.0	0.6	14.5	29.7	0.00
GM-10	OK	7/21/2011 12:57	0.0	0.9	14.7	29.7	0.00
GM-11	OK	7/21/2011 13:02	0.0	1.7	14.1	29.7	0.00
GM-12	OK	7/21/2011 13:08	0.0	0.3	14.8	29.7	0.00
GM-13	OK	7/21/2011 13:13	0.0	1.9	13.7	29.7	0.00
GM-14	OK	7/21/2011 13:21	0.0	1.4	13.8	29.7	0.00
GM-15	OK	7/21/2011 13:26	0.0	2.0	13.7	29.7	0.00
GM-16	OK	7/21/2011 13:35	0.0	1.5	13.8	29.7	0.00
GM-17	OK	7/21/2011 13:40	0.0	0.6	14.8	29.7	0.00

Notes:

CH₄, CO₂, and O₂ are reported in percent gas.

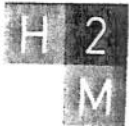
Relative well head pressure is reported in inches of water.

Atmospheric pressure is reported in inches of mercury.

Recovery System Status - On

Weather - Partly cloudy, 90°F

APPENDIX C
GROUNDWATER WELL CONDITION REPORT



architects + engineers

175 Pinelawn Road, Ste 308 tel 631.756.8000
Melville, NY 11747 fax 631.393.6322

September 2, 2011

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

Re: Well Condition Report, 2011 Report
Sonia Road Landfill
H2M No. ISLP1001

Dear Mr. Varrichio:

The purpose of this letter is to provide the 2011 well inspection summary report for the 35 monitoring wells at the Sonia Road Landfill. The completed well inspection checklists are enclosed. The well inspection did not reveal any significant damage, security issues or other concerns related to the sampled monitoring wells that would require corrective action, except at 10 wells. The following concerns were noted during the inspection:

- The rubber gasket on the vault for monitoring well MW-06I was damaged.
- The PVC casings for monitoring wells MW-14I and MW-14D appeared to have been cut, and may need to be resurveyed.
- The manhole cover for monitoring well MW-13S was missing.
- The manhole cover and J-plug were not fitting completely flush on monitoring well MW-1D.
- The locks on wells MW-03D, MW-11D, MW-11I, MW-11S, and MW-13I are missing.

If you have any questions or require any additional information, please call me at (631) 756-8000, extension 1484.

Very truly yours,

HOLZMACHER, McLENDON & MURRELL, P.C.


Christopher J. Flynn
Senior Project Manager

Enclosures

X:\ISLP (Town of Islip) - 10560\2010\Sonia Rd 2010\Final Report\2011\2011 Well Condition Report

Table 1
WELL INSPECTION SUMMARY - 2011
SONIA ROAD LANDFILL

Well	Surface Seal	Cover/Standpipe	Lock Intact?	Casing Alignment	Survey Point	Well Labeled?	Well Protected?
MW-01S	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-01I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-01D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-02I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-02D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-03S	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-03I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-03D	Intact	Intact	No	Straight	Marked	Yes	Yes
MW-04S	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-04I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-04D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-05S	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-05I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-05D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-06S	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-06I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-06D	Intact	Gasket damaged	Yes	Straight	Marked	Yes	Yes
MW-07S	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-07I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-07D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-10S	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-10I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-10D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-11S	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-11I	Intact	Intact	No	Straight	Marked	Yes	Yes
MW-11D	Intact	Intact	No	Straight	Marked	Yes	Yes
MW-12S	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-12I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-12D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-13S	Intact	Missing manhole cover	Yes	Slightly Tilted	Marked	Yes	Yes
MW-13I	Intact	Intact	No	Straight	Marked	Yes	No
MW-13D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-14S	Intact	Intact	Yes	Slightly Tilted	Marked	Yes	Yes
MW-14I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-14D	Intact	Intact	Yes	Straight	Unmarked	Yes	Yes

APPENDIX D
OMNTEC FIELD TEST RESULTS

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

--SITE INFORMATION:
Name:Town Of Islip
Addr:SONIA ROAD LANDFILL
ID#: ELO18627
VER 4.22 PR 030603
DEC 29, 2011 09:18 AM

---OMNTEC PROBE
TH 12/29/11 09:18:11
Tank 1
Product Type: Leachate
Product Height: 5.68(In)
Water: 1.30(In)
Gross Volume: 228.07(G)
T.C.: 186.04(G)
Water: 42.59(G)
Ullage: 5600.93(G)
TEMP.: 53.29(F)

*STICK MEASURED
CONDENSATE TANK
6 1/2 GAL. = 273 GAL.*

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

---SITE INFORMATION:
Name:Town Of Islip
Addr:SONIA ROAD LANDFILL
ID#: ELO18627
VER 4.22 PR 030603
DEC 29, 2011 09:18 AM

---Testing PROM
PROM Tests OK

---Testing RAM PASSED
---Parameter Flash Used 0.79%

---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 T 1,Sump#: 2 P
(S/N: 200113631)
02 BXPDS T 1,Sump#: 1 P
(S/N: 200080154)
03 BXPDPWF 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 E
CARS STORED ON SITE (BY MONTH,6)

ATLANTIC CENTRAL STORAGE

12/30/2011

DEALERSHIPS	UNITS ON HILL	UNITS AT LEXUS PDI
ATLANTIC HYUNDAI	477	0
ADVANTAGE TOYOTA	170	0
ATLANTIC AUDI	69	0
ATLANTIC CADDY	81	0
ATLANTIC CHEVY	122	0
HUNTINGTON TOYOTA	171	0
ATLANTIC NISSAN	560	0
ATLANTIC TOYOTA	292	0
ATLANTIC HONDA	169	0
LEXUS OF MASSAPEQUA	0	109
LEXUS OF R.V.C	0	111
MILLENNIUM HONDA	26	0
MASSAPEQUA NISSAN	356	0
WESTBURY NISSAN	90	0
ATLANTIC VOLKSWAGEN	84	0
MILLENNIUM HYUNDAI	0	0
VALLEY STREAM HYUNDAI	0	0

TOTALS 2667

220

ATLANTIC CENTRAL STORAGE

11/30/2011

DEALERSHIPS	UNITS ON HILL	UNITS AT LEXUS PDI
ATLANTIC HYUNDAI	455	0
ADVANTAGE TOYOTA	149	0
ATLANTIC AUDI	22	0
ATLANTIC CADDY	91	0
ATLANTIC CHEVY	89	0
HUNTINGTON TOYOTA	122	0
ATLANTIC NISSAN	453	0
ATLANTIC TOYOTA	219	0
ATLANTIC HONDA	124	0
LEXUS OF MASSAPEQUA	0	131
LEXUS OF R.V.C	0	108
MILLENNIUM HONDA	6	0
MASSAPEQUA NISSAN	238	0
WESTBURY NISSAN	27	0
ATLANTIC VOLKSWAGEN	54	0
MILLENNIUM HYUNDAI	0	0
VALLEY STREAM HYUNDAI	0	0

TOTALS

2049

239

ATLANTIC CENTRAL STORAGE

11/2/2011

DEALERSHIPS	UNITS ON HILL	UNITS AT LEXUS PDI
ATLANTIC HYUNDAI	161	0
ADVANTAGE TOYOTA	99	0
ATLANTIC AUDI	7	0
ATLANTIC CADDY	125	0
ATLANTIC CHEVY	152	0
HUNTINGTON TOYOTA	57	0
ATLANTIC NISSAN	403	0
ATLANTIC TOYOTA	182	0
ATLANTIC HONDA	92	0
LEXUS OF MASSAPEQUA	0	0
LEXUS OF R.V.C	0	154
MILLENNIUM HONDA	4	107
MASSAPEQUA NISSAN	273	0
WESTBURY NISSAN	4	0
ATLANTIC VOLKSWAGEN	27	0
MILLENNIUM HYUNDAI	0	0
SS HYUNDAI	0	0

TOTALS

1586 261

ATLANTIC CENTRAL STORAGE

9/30/2011

DEALERSHIPS	UNITS ON HILL	UNITS AT LEXUS PDI
ATLANTIC HYUNDAI	35	0
ADVANTAGE TOYOTA	15	0
ATLANTIC AUDI	15	0
ATLANTIC CADDY	98	0
ATLANTIC CHEVY	121	0
HUNTINGTON TOYOTA	17	0
ATLANTIC NISSAN	372	0
ATLANTIC TOYOTA	128	0
ATLANTIC HONDA	51	0
LEXUS OF MASSAPEQUA	0	117
LEXUS OF R.V.C	0	101
MILLENNIUM HONDA	16	0
MASSAPEQUA NISSAN	1856	0
WESTBURY NISSAN	72	0
ATLANTIC VOLKSWAGEN	25	0
MILLENNIUM HYUNDAI	0	0
SS HYUNDAI	0	0

TOTALS

2821

218

ATLANTIC CENTRAL STORAGE

8/31/2011

DEALERSHIPS	UNITS ON HILL	UNITS AT LEXUS PDI
ATLANTIC HYUNDAI	91	0
ADVANTAGE TOYOTA	67	0
ATLANTIC AUDI	30	0
ATLANTIC CADDY	71	0
ATLANTIC CHEVY	52	0
HUNTINGTON TOYOTA	89	0
ATLANTIC NISSAN	428	0
ATLANTIC TOYOTA	225	0
ATLANTIC HONDA	79	0
LEXUS OF MASSAPEQUA	0	81
LEXUS OF R.V.C	0	86
MILLENNIUM HONDA	17	0
MASSAPEQUA NISSAN	214	0
WESTBURY NISSAN	56	0
ATLANTIC VOLKSWAGEN	33	0
MILLENNIUM HYUNDAI	0	0
TOTALS	1452	167

ATLANTIC CENTRAL STORAGE

7/28/2011

DEALERSHIPS	UNITS ON HILL	UNITS AT LEXUS PDI
ATLANTIC HYUNDAI	79	0
ADVANTAGE TOYOTA	114	0
ATLANTIC AUDI	54	0
ATLANTIC CADDY	88	0
ATLANTIC CHEVY	60	0
HUNTINGTON TOYOTA	105	0
ATLANTIC NISSAN	405	0
ATLANTIC TOYOTA	254	0
ATLANTIC HONDA	158	0
LEXUS OF MASSAPEQUA	1	85
LEXUS OF R.V.C	1	76
MILLENNIUM HONDA	52	0
MASSAPEQUA NISSAN	197	0
WESTBURY NISSAN	57	0
ATLANTIC VOLKSWAGEN	123	0
MILLENNIUM HYUNDAI	7	0
TOTALS	1755	161