



November 13, 2009

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:

Attached please find the Third Quarter Sonia Road Post Closure Monitoring Report for 2009. Also included (as Appendices A, B, C, D, & E) are 1) field photographs; 2) a H2M well condition report of August 21, 2009; 3) the July, August, & September 2009 FPM Gas Migration Monitoring Reports; 4) Omntec field test results; and 5) the total number of cars stored on site.

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**

**JULY THROUGH SEPTEMBER
2009**

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

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SITE INSPECTION CHECKLIST



SITE Inspection Checklist Report

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

Vegetative Cover

Report Date: 10/15/2009

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
					09/17/2009	F. Rahaman

PROBLEM CODE		PRIORITY CODE	
E	Litter	4	Correct within 3 months
F	Others	8	Other

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



Signature

A. M. Burch



SITE Inspection Checklist Report

**TOWN OF ISLIP
SONIA ROAD LANDFILL**

POST CLOSURE MONITORING AND MAINTENANCE PLAN

SITE INSPECTION CHECK LIST

Soil Cover

Report Date: 10/15/2009

GRID NO	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
F1	C	7			09/17/2009	Fazil Rahaman
F2	C	7			09/17/2009	Fazil Rahaman

PROBLEM CODE	
C	Ponding (>10'x10')

PRIORITY CODE	
7	Being Monitored

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

Signature _____



SITE Inspection Checklist Report

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

**Revetment Matting
Side Slopes & Gabion Curb**

Report Date: 10/15/2009

GRID NO	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
B3	J	4			09/17/2009	Fazil Rahaman
B3	L	4			09/17/2009	Fazil Rahaman
C5	F	7		Side slope/perimeter swale/access rd.	09/17/2009	Fazil Rahaman
E5	F	7		Side slope/perimeter swale.	09/17/2009	Fazil Rahaman
F5	F	7		Same as above.	09/17/2009	Fazil Rahaman
G5	F	7		Same as above.	09/17/2009	Fazil Rahaman
H1.H5	F	7		Same as above.	09/17/2009	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 _____



SITE Inspection Checklist Report

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

Access Roads

Report Date: 10/15/2009

GRID NO	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
A3	E	4		Between fence & access rd.	09/17/2009	Fazil Rahaman
C5	F	7		Around dry well located in road way.	09/17/2009	Fazil Rahaman
E1	I	7		Affecting fence contour.	09/17/2009	Fazil Rahaman
F1	I	7		Same as above.	09/17/2009	Fazil Rahaman
F5	I	7			09/17/2009	Fazil Rahaman
G1	E	7		Between fence & access rd.	09/17/2009	Fazil Rahaman
G5	I	7			09/17/2009	Fazil Rahaman

PROBLEM CODE	
C	Potholes
E	Erosion gullies
F	Loss of stone cover
I	Depressions

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

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

Signature _____



SITE Inspection Checklist Report

**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 Swales**

Report Date: 10/15/2009

GRID NO	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
B5	L	7		Perimeter swale needs re-shaping.	09/17/2009	Fazil Rahaman
C5.H5	L	7		Same as above.	09/17/2009	Fazil Rahaman
H1.H5	L	7		Same as above.	09/17/2009	Fazil Rahaman

PROBLEM CODE	
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 Checklist Report

**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: 10/15/2009

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
B4	L	4			09/17/2009	Fazil Rahaman
C4	F	4			09/17/2009	Fazil 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 _____



SITE Inspection Checklist Report

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: 10/15/2009

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
B4	L	4			09/17/2009	Fazil 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

R. M. Prick



SITE Inspection Checklist Report

**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: 10/15/2009

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
D1 E1	C C	4 4	1		09/30/2009 09/30/2009	F. Rahaman Fazil Rahaman

PROBLEM CODE	
C	Silt accumulation
E	Vegetative cover
K	Others

PRIORITY CODE
4 Correct within 3 months

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

Signature _____



SITE Inspection Checklist Report

TOWN OF ISLIP
SONIA ROAD LANDFILL

POST CLOSURE MONITORING AND MAINTENANCE PLAN

SITE INSPECTION CHECK LIST

Recharge Basins

Report Date: 10/15/2009

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:

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

N. M. Brink



SITE Inspection Checklist Report

TOWN OF ISLIP SONIA ROAD LANDFILL

POST CLOSURE MONITORING AND MAINTENANCE PLAN

SITE INSPECTION CHECK LIST

Monitoring Wells

Report Date: 10/15/2009

ITEM #	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
MW-06D	C	7		Erosion around precast.	09/17/2009	Fazil Rahaman
MW-06I	C	7		Erosion around precast. See H2M letter report of 8/21/09, attached.	09/17/2009	Fazil Rahaman
MW-06S	C	7		Same as above.	09/17/2009	Fazil Rahaman
GM5	C	8		See FPM report (*) - attached.	09/17/2009	Fazil Rahaman
GM7	C	8		See FPM report (*) - attached.	09/17/2009	Fazil Rahaman
GM13	C	8		See FPM report (*) - attached.	09/17/2009	Fazil Rahaman
GM14	C	8		See FPM report (*) - attached.	09/17/2009	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

TOWN OF ISLIP SONIA ROAD LANDFILL

POST CLOSURE MONITORING AND MAINTENANCE PLAN

SITE INSPECTION CHECK LIST

Landfill Gas Collection System

Report Date: 10/15/2009

ITEM #	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
GC10	D	7	1		09/10/2009	Fazil Rahaman
GC11	D	7	2		09/10/2009	Fazil Rahaman
GC12	D	7	2		09/10/2009	Fazil Rahaman
GC13	D	7	2	Previous adjustments having been made.	09/10/2009	Fazil Rahaman
GC14	D	7	1		09/10/2009	Fazil Rahaman
GC 15	D	1	1	Access cover could not be closed.	09/10/2009	Fazil Rahaman
GC 16	D	1	1	Same as above. Cover can't dose due to contact w/ well cap.	09/10/2009	Fazil Rahaman
Vault 18	D	1	2		09/10/2009	Fazil Rahaman

PROBLEM CODE	
D	Settlement
K	Soil erosion around
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

TOWN OF ISLIP SONIA ROAD LANDFILL

POST CLOSURE MONITORING AND MAINTENANCE PLAN

SITE INSPECTION CHECK LIST

Landfill Gas Compound

Report Date: 10/15/2009

ITEM #	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
Blower	J	4		104 A; replace 1 vacuum & 1 outlet gauge	09/30/2009	Fazil Rahaman
Blower	K	7		104A; Between pulley & housing.	09/24/2009	Fazil Rahaman
Gas Condensate	M	7		Panel; see field test results attached.	09/24/2009	Fazil Rahaman
Flare	M	7		Used for venting only.	09/30/2009	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

TOWN OF ISLIP SONIA ROAD LANDFILL

POST CLOSURE MONITORING AND MAINTENANCE PLAN

SITE INSPECTION CHECK LIST

Site Facilities

Report Date: 10/15/2009

GRID NO	PROBLEM CODE	PRIORITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
Flare Control Panel	L	7		"Inlet Gas High Temp." on digital screen. (NOTE: FLARE USED FOR VENTING ONLY).	09/30/2009	Fazil Rahaman
E1	K	7			09/30/2009	Fazil Rahaman
F1	K	7			09/30/2009	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

If entire site Site facilities is acceptable, check box and sign

Signature _____



SITE Inspection Checklist Report

**TOWN OF ISLIP
SONIA ROAD LANDFILL**

POST CLOSURE MONITORING AND MAINTENANCE PLAN

SITE INSPECTION CHECK LIST

General Comments

Report Date: 10/15/2009

GRID NO	PROBLEM CODE	PRIOTITY CODE	PHOTO	COMMENTS	DATE	INSPECTED BY:
PROBLEM CODE			PRIORITY CODE			

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



Signature

R.M. Bish

APPENDIX A
FIELD PHOTOGRAPHS



9/10/09 G.C. 10



9/10/09 G.C. 11



9/10/09 G.C. 9



9/10/09 G.C. 11

10F 4



photo 9 G.C. 12



photo 13

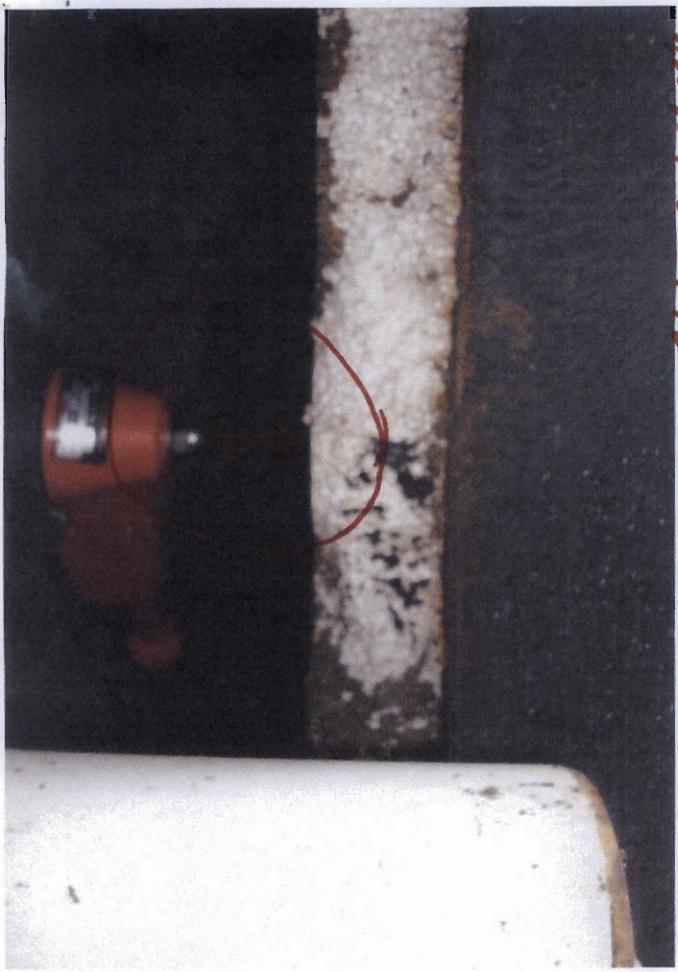
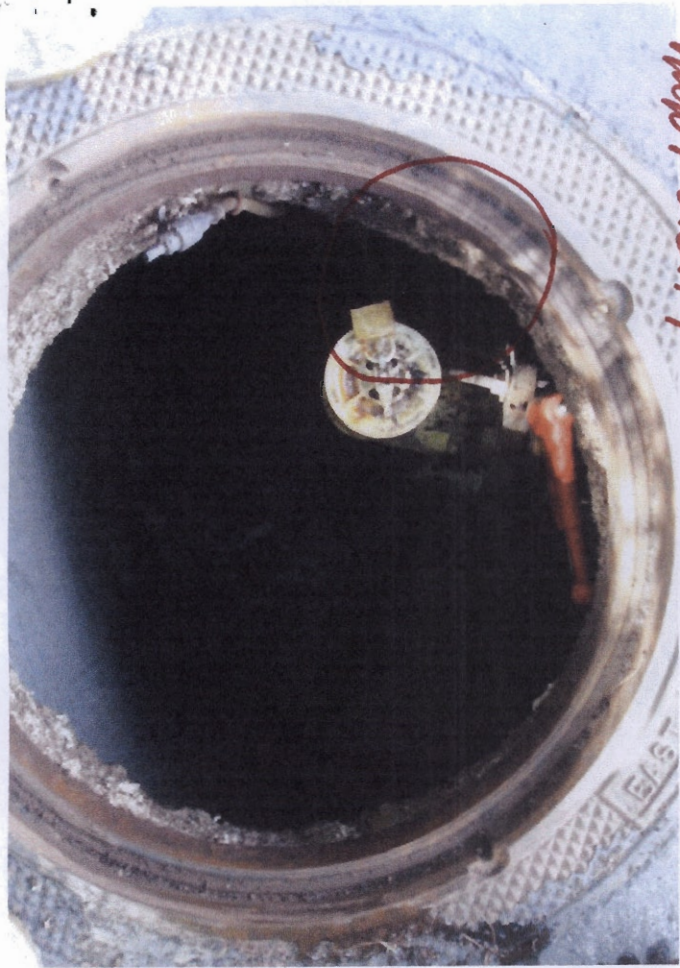


photo 9 G.C. 12



photo 13



9/10/09 G.C. 14



9/10/09 G.C. 15



9/10/09 G.C. 16

3 OF 4



9/10/09 G.V. 18



9/30/09 GRID T.D. 01



9/10/09 G.V.18



9/30/09 GRID T.D. E1

APPENDIX B
WELL CONDITION REPORT



Engineers | Architects | Scientists | Planners | Surveyors

Holzmaier, McLendon & Murrell, P.C. | H2M Associates, Inc.
H2M Labs, Inc. | H2M Architects & Engineers, Inc.

175 Pinelawn Road | Suite 308
Melville, New York 11747
v 631.756.8000 f 631.393.6322
www.h2m.com

August 21, 2009

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

Re: **Well Condition Report, Second Semi-Annual 2009 Report
Sonia Road Landfill
H2M No. ISLP0901**

Dear Mr. Varrichio:

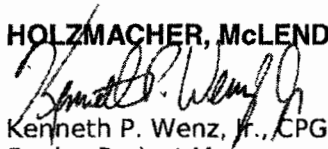
The purpose of this letter is to provide the Second Semi-Annual 2009 well inspection summary report for the 35 monitoring wells at the Sonia Road Landfill. The completed well inspection checklists are enclosed. The well inspection did not reveal any significant damage, security issues or other concerns related to the sampled monitoring wells that would require corrective action, except at 11 wells. The following concerns were noted during the inspection:

- The vaults to monitoring wells MW-02D and MW-02I could not be closed due to contact between the well caps and vault covers.
- The rubber gaskets on the vaults for monitoring wells MW-06S and MW-06I were damaged.
- The upper section of PVC casing for monitoring well MW-07S was separating from the lower part of the PVC casing at approximately 2 feet below grade.
- The manhole cover for monitoring MW-07D could not be closed completely due to contact with the well cap.
- The PVC casing for monitoring well MW-11S appeared to have been cut approximately 0.5 inches, and may need to be resurveyed.
- The well cap for monitoring well MW-11I was damaged.
- The manhole cover for monitoring well MW-13S was missing.
- The manhole covers for monitoring wells MW-14S and MW-14D could not be closed completely due to contact with the well caps.

If you have any questions or require any additional information, please call me at (631) 756-8000, extension 1606.

Very truly yours,

HOLZMACHER, McLENDON & MURRELL, P.C.


Kenneth P. Wenz, Jr., CPG
Senior Project Manager

Enclosures

X:\ISLP (Town of Islip) - 10560\2009\ISLP0901 (Sonia Rd)\01-DRAFT REPORT\Draft Report\q3 - 2nd semi-annual 2009\2nd semi-annual 2009 Well Condition Report.docx

CELEBRATING 75 YEARS



Table 1
WELL INSPECTION SUMMARY – SECOND SEMI-ANNUAL 2009
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	Vault could not be closed	Yes	Straight	Marked	Yes	Yes
MW-02D	Intact	Vault could not be closed	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	Yes	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	Gasket damaged	Yes	Straight	Marked	Yes	Yes
MW-06I	Intact	Gasket damaged	Yes	Straight	Marked	Yes	Yes
MW-06D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-07S	Intact	Intact	Yes	Straight – casing separating	Marked	Yes	Yes
MW-07I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-07D	Intact	Manhole cover not flush	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	PVC casing cut?	Yes	Yes
MW-11I	Intact	Well cap damaged	Yes	Straight	Marked	Yes	Yes
MW-11D	Intact	Intact	Yes	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	No
MW-13I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-13D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-14S	Intact	Manhole cover not flush	Yes	Slightly Tilted	Marked	Yes	Yes
MW-14I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-14D	Intact	Manhole cover not flush	Yes	Straight	Marked	Yes	Yes

APPENDIX C
GAS MIGRATION MONITORING REPORTS

FPM group _____ Engineering and Environmental Science

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

August 4, 2009

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

Re: **Sonia Road Landfill**
July 2009 Landfill Gas Monitoring Results
FPM File No. 631-08-11

Dear Mr. Sanchez:

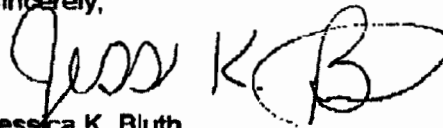
On July 29, 2009, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GA-90 Gas Analyzer, model GA1/1.

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 20, 2009. Thomas Dudo 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: **Thomas Dudo (via fax)**
Fazil Rahaman (via fax)

\\fpm\clients\isr\RR\RR\Reports\Sonia-08-11\2009 letters\July.doc

**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	7/29/2009 11:15	0.0	0.1	18.4	29.8	-8.50
GM-01	OK	7/29/2009 11:17	0.0	1.2	17.3	29.8	0.10
GM-02	OK	7/29/2009 11:28	0.0	9.7	0.9	29.8	0.00
GM-03	OK	7/29/2009 11:34	0.0	0.1	17.9	29.8	0.00
GM-04	OK	7/29/2009 12:47	0.0	0.8	17.0	29.7	0.00
GM-05	*	7/29/2009 11:42	0.0	1.6	16.1	29.8	-0.30
GM-06	OK	7/29/2009 11:45	0.0	0.8	17.5	29.8	-0.20
GM-07	*	7/29/2009 11:49	0.0	1.2	16.9	29.8	-0.20
GM-08	OK	7/29/2009 11:54	0.0	0.1	18.0	29.8	-0.10
GM-09	OK	7/29/2009 12:00	0.0	2.1	16.2	29.8	-0.10
GM-10	OK	7/29/2009 12:04	0.0	0.5	17.5	29.7	-0.10
GM-11	OK	7/29/2009 12:08	0.0	3.2	15.3	29.8	0.00
GM-12	OK	7/29/2009 12:13	0.0	0.7	17.3	29.7	0.00
GM-13	*	7/29/2009 12:16	0.0	2.1	15.9	29.7	0.10
GM-14	*	7/29/2009 12:21	0.0	2.5	15.4	29.7	-0.50
GM-15	OK	7/29/2009 12:25	0.0	0.2	17.6	29.7	-0.20
GM-16	OK	7/29/2009 12:29	0.0	2.5	15.7	29.7	-0.10
GM-17	OK	7/29/2009 12:32	0.0	1.4	16.9	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 - Overcast, humid, 78°F

* Exterior casing is obstructed by well and will not close.

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

September 1, 2009

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

Re: **Sonia Road Landfill**
August 2009 Landfill Gas Monitoring Results
FPM File No. 631-08-11

Dear Mr. Sanchez:

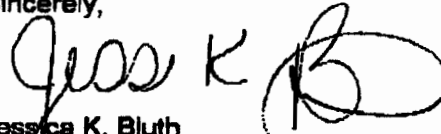
On August 31, 2009, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GA-90 Gas Analyzer, model GA1/1.

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 September 23, 2009. Thomas Dudo 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: Thomas Dudo (via fax)
Fazil Rahaman (via fax)

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**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	8/31/2009 12:08	0.0	0.1	18.5	30.1	-28.90
GM-01	OK	8/31/2009 12:08	0.0	1.3	17.4	30.1	0.00
GM-02	OK	8/31/2009 12:27	0.0	4.2	15.5	30.1	0.00
GM-03	OK	8/31/2009 12:33	0.0	0.1	18.2	30.1	0.00
GM-04	OK	8/31/2009 14:07	0.0	0.3	17.9	30.0	0.00
GM-05	*	8/31/2009 12:39	0.0	0.3	18.0	30.0	-0.30
GM-06	OK	8/31/2009 12:48	0.0	0.3	17.9	30.0	-0.10
GM-07	*	8/31/2009 12:53	0.0	0.3	17.9	30.0	-0.10
GM-08	OK	8/31/2009 13:00	0.0	0.1	18.1	30.0	0.00
GM-09	OK	8/31/2009 13:08	0.0	0.4	17.8	30.0	0.00
GM-10	OK	8/31/2009 13:12	0.0	0.1	18.0	30.0	0.00
GM-11	OK	8/31/2009 13:17	0.0	2.3	16.5	30.0	0.00
GM-12	OK	8/31/2009 13:25	0.0	0.1	18.1	30.0	0.00
GM-13	*	8/31/2009 13:34	0.0	0.9	17.6	30.0	0.00
GM-14	*	8/31/2009 13:39	0.0	1.1	17.3	30.0	0.00
GM-15	OK	8/31/2009 13:45	0.0	0.3	17.8	30.0	0.00
GM-16	OK	8/31/2009 13:50	0.0	1.0	17.6	30.0	0.00
GM-17	OK	8/31/2009 13:57	0.0	0.3	17.9	30.0	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 sunny, 75°F

*Exterior casing is obstructed by well and will not close.

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 2, 2009

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

Re: **Sonia Road Landfill**
September 2009 Landfill Gas Monitoring Results
FPM File No. 631-08-11

Dear Mr. Sanchez:

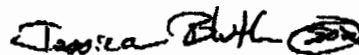
On September 28, 2009, FPM Group (FPM) performed landfill gas monitoring at the above-referenced site. Monitoring was performed with a Landtec GA-90 Gas Analyzer, model GA1/1.

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 October 27, 2009. Thomas Dudo 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: Thomas Dudo (via fax)
Fazil Rahaman (via fax)

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**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	9/28/2009 11:51	0.0	0.1	18.2	29.5	-30.60
GM-01	OK	9/28/2009 11:55	0.0	1.2	17.3	29.5	0.60
GM-02	OK	9/28/2009 12:02	0.0	3.4	15.8	29.5	0.00
GM-03	OK	9/28/2009 12:09	0.0	0.1	18.0	29.5	0.00
GM-04	OK	9/28/2009 13:59	0.0	0.4	17.7	29.4	0.00
GM-05	**	9/28/2009 12:24	0.0	0.6	17.7	29.4	-0.20
GM-06	OK	9/28/2009 12:28	0.0	0.5	17.7	29.4	-0.10
GM-07	**	9/28/2009 12:37	0.0	0.4	17.7	29.4	-0.10
GM-08	OK	9/28/2009 12:44	0.0	0.1	18.0	29.4	-0.10
GM-09	OK	9/28/2009 12:50	0.0	1.8	16.0	29.4	-0.10
GM-10	OK	9/28/2009 12:55	0.0	0.2	18.0	29.4	0.00
GM-11	OK	9/28/2009 13:02	0.0	1.6	17.0	29.4	0.00
GM-12	OK	9/28/2009 13:11	0.0	0.1	18.1	29.4	0.00
GM-13	**	9/28/2009 13:17	0.0	1.1	17.4	29.4	0.00
GM-14	**	9/28/2009 13:28	0.0	1.5	16.8	29.4	0.40
GM-15	OK	9/28/2009 13:37	0.0	1.0	17.2	29.4	0.00
GM-16	OK	9/28/2009 13:42	0.0	0.8	17.4	29.4	0.00
GM-17	OK	9/28/2009 13:46	0.0	0.4	17.9	29.4	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 - Clear, 72°F

* Variable landfill gas readings

**Exterior casing is obstructed by well and will not close.

FPM

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
SEP 24, 2009 07:51 AM

---Testing PROM
PROM Tests OK

---Testing RAM PASSED
--Parameter Flash Used 0.74%

---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,Obie_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

ATLANTIC CENTRAL STORAGE

SEPTEMBER 30 2009

DEALERSHIPS

UNITS ON HILL UNITS AT LEXUS PDI

ATLANTIC HYUNDAI	377	0
ADVANTAGE TOYOTA	53	0
ATLANTIC AUDI	51	0
ATLANTIC CADDY	1	0
ATLANTIC CHEVY	4	0
HUNTINGTON TOYOTA	44	0
ATLANTIC NISSAN	163	0
ATLANTIC TOYOTA	30	0
ATLANTIC HONDA	164	0
LEXUS OF MASSAPEQUA	0	62
LEXUS OF R.V.C	0	76
MILLENNIUM HONDA	144	0
MASSAPEQUA NISSAN	76	0
WESTBURY NISSAN	45	0
TOTALS	1152	138