TOWN OF ISLIP **DEPARTMENT OF ENVIRONMENTAL CONTROL**

401 MAIN STREET • ISLIP, NEW YORK 11751 • (631) 224-5640

July 9, 2007

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 Second Quarter Sonia Road Post Closure Monitoring Report for 2007. Also included is the June 2007 Gas Migration Monitoring Report; the Second Quarter Groundwater Monitoring Well Condition Report as well as the total number of cars stored on site.

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

Sincerely,

Alan R. Sanchez
Vice-President of Operations

ARS:clp

cc: Christopher A. Andrade, President
Anthony J. Varrichio, P.E., Chief Engineer
Francis D. Ribaudo, P.E., Associate Engineer
Joe Cosci, Construction Coordinator
File

clp_NYSDEC_7-10-07_Trad_Rpt_Sonia Rd 2007 2nd Quart PCMR.wpd

TOWN OF ISLIP
SUFFOLK COUNTY, NEW YORK

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

POST CLOSURE
MONITORING AND MAINTENANCE REPORT

JUNE 2007

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

TABLE OF CONTENTS

Title	Page
SITE INSPECTION CHECKLIST	1-14
GAS MIGRATION MONITORING	15-16
GROUNDWATER WELL CONDITION	16-
CARS STORED ON-SITE	Appendix A

SITE INSPECTION CHECKLIST

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

VEGETATIVE COVER

DATE: 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___

INSPECTION BY: FAZIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	

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 Rahaman

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

SOIL COVER

DATE: 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___

INSPECTION BY: FAZIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	

PROBLEM CODE			
a	erosion damage	g	waste breakthrough
b	slope movement	h	leachate breakthrough
c	ponding (>10'x10')	i	exposed geosynthethics
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

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 Soil Cover is acceptable, check box and sign below. ☑

Signature: Fazil Rahaman

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

REVETMENT MATTING (RIP RAP) **DATE:** 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___ **INSPECTION BY:** FAZIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Side Slopes				
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
Gabion Curb				
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	

PROBLEM 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 Revetment Matting (Rip Rap) and Gabion Curbs are acceptable, check box and sign below. ☑

Signature: Fazil Rahaman

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

ACCESS ROADS

DATE: 5/30/07

Quarterly Inspection ✓ **Storm Inspection** ___ **INSPECTION BY:** FAZIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
E1&F1	G,H,I&J	SEE MEMO.	Y/(N)#	SEE ATTACHED MEMORANDUM DATED 11/16/06
___	___	___	Y/N #	RE: TO 2006, 4TH & 2007, 1ST QUARTER REPORT, PHOTOS
___	___	___	Y/N #	TAKEN.
C5,D5,F5	G	___	(Y)/N # 1	BEING MONITORED
G1	C	___	Y/(N)#	BEING MONITORED, RE: TO 2007, 1ST QUARTER REPORT,
___	___	___	Y/N #	PHOTOS TAKEN.
			Y/N #	
			Y/N #	
			Y/N #	
			Y/N #	
			Y/N #	

PROBLEM CODE			
a	potholes	g	depressions
b	burrow holes	h	CRACKING
c	erosion gullies	i	SLOPE MOVEMENT
d	loss of stone cover	j	FENCE MOVEMENT
e	exposed geotextile	k	
f	obstructions/debris	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:** 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___ **INSPECTION BY:** FAZIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Perimeter Swales				
G1	G	4	Y/(N)#	BEING MONITORED, RE: TO 2007, 1ST QUARTER REPORT, PHOTO TAKEN.
—	—	—	Y/N #	
F5 & F5	B	4	Y/(N)#	BEING MONITORED, RE: TO 2007, 1ST QUARTER REPORT, PHOTOS TAKEN.
—	—	—	Y/N #	
Diversion Swales				
			Y/N #	
			Y/N #	
			Y/N #	
			Y/N #	

PROBLEM CODE			
a	vandalism	g	erosion control fabric
b	slope movement	h	loss of topsoil
c	silt accumulation	i	exposed geosynthetics
d	ponded water	j	wash outs
e	vegetative cover	k	
f	debris / clogging	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 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:** 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___ **INSPECTION BY:** FAZIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Inlet Structures				
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
Rip Rap Drainway				Culvert Outlets
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	

PROBLEM CODE			
a	vandalism	g	erosion control fabric
b	slope movement	h	loss of stone
c	silt accumulation	i	loss of topsoil
d	ponded water	j	soil erosion around
e	vegetative cover	k	soil erosion beneath
f	debris / clogging	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 Rahaman

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

STORMWATER COLLECTION SYSTEM (3 of 4) **DATE:** 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___ **INSPECTION BY:** FAZIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Energy Dissipators				
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
Downchutes				
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	

PROBLEM CODE			
a	vandalism	g	soil erosion around
b	slope movement	h	loss of stone
c	silt accumulation	i	soil erosion beneath
d	ponded water	j	loose ties on baskets
e	damage / instability	k	slippage of gabion
f	debris / clogging	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 Rahaman

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

STORMWATER COLLECTION SYSTEM (4 of 4) **DATE:** 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___ **INSPECTION BY:** FAZIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Drywells				
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
Culverts / Outlets				
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	

PROBLEM CODE			
a	vandalism	g	erosion control fabric
b	slope movement	h	soil erosion around
c	silt accumulation	i	exposed geosynthetics
d	ponded water	j	damage / instability
e	vegetative cover	k	
f	debris / clogging	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: Fazil Rahaman

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

RECHARGE BASINS

DATE: 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___

INSPECTION BY: FAZIL RAHAMAN

GRID I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Recharge Basin No. 1				
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	
Recharge Basin No. 2				
			Y / N #	
			Y / N #	
			Y / N #	
			Y / N #	

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: Fazil Rahaman

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

MONITORING WELLS

DATE: 6/19/07

Quarterly Inspection ✓ **Storm Inspection** ___

INSPECTION BY: FAZIL RAHAMAN

ITEM I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Landfill Gas Monitoring Wells				See well condition reports prepared by Town consultants.
13A 14	C	—	Y / (N) #	RE: TO ATTACHED MEMORANDUM DATED 11/16/07.
			Y / N #	
			Y / N #	
			Y / N #	
Groundwater Monitoring Wells				See well condition reports prepared by Town consultants.
11S & 11D	A & C	—	Y / (N) #	RE: TO ATTACHED MEMORANDUM DATED 11/16/07 & D&B REP.
2I & 13S	A & C	—	Y / (N) #	RE: TO D&B WELL CONDITION REPORT.
			Y / N #	
			Y / N #	

PROBLEM CODE	
a	damage
b	vandalism
c	settlement
d	vector infestation
e	
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 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

DATE: 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___

INSPECTION BY: FAZIL RAHAMAN

ITEM I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
LFG Recovery Wells / Valve Vaults				RE: TO PG. 14 FOR ADDITIONAL INFORMATION
13	M	1	(Y) / N # 1	APPROX. TWELVE INCHES OF WATER PRESENT.
			Y / N #	
			Y / N #	
			Y / N #	
LFG Collection Wells (GC1 - GC16)				RE: TO PG. 14 FOR ADDITIONAL INFORMATION.
1	—	4	Y / (N) #	RE-PAINT I.D.
3	M	1	Y / (N) #	APPROX. FOUR INCHES OF WATER PRESENT.
2, 6 & 7	D	—	(Y) / N # 4	HEADDER PIPE OFF CENTER & CLOSE TO PRE-CAST.
			Y / N #	

PROBLEM CODE			
a	odor	g	broken valve
b	damage	h	broken piping
c	vandalism	i	exposed geosynthetics
d	settlement	j	damage / instability
e	vector infestation	k	soil erosion around
f	no vacuum	l	access restricted

(M) ACCUMULATES WATER

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: 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___

INSPECTION BY: FAZIL RAHAMAN

ITEM I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Blower Pad / Blower Nos. 104A and 104B				
104B	K	4	Y (N) #	FROM FRONT OF BLOWER, APPROX. AFTER 30 MIN.
___	___	___	Y / N #	OF RUNTIME. RE: TO 2006, 4TH QUARTER REPORT, PHOTOS TAKEN
104A	L	1	Y (N) #	BELT SIDE OF BLOWER. (CK. OIL FOR CONTIMINANTS)
Flare				USED FOR VENTING ONLY
			Y / N #	
			Y / N #	
Condensate Storage			**Liquid Volume =** 0.863 gallons **Alarms:** Y (N) **Test System:** OK / Not Successful	
			Y (N) #	STICK MEASURED 14 1/2" (SYSTEM NOT TESTED)
			Y / N #	

PROBLEM CODE			
a	odor	g	broken valve
b	damage	h	broken piping
c	vandalism	i	broken belts
d	mechanical noise	j	gauges
e	no vacuum	k	OIL LEAK
f	alarms	l	SITE GLASS DISCOLORED

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 Landfill Gas Compound is acceptable, check box and sign below. ☐

Signature: _____

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

SITE FACILITIES

DATE: 6/7/07

Quarterly Inspection ✓ **Storm Inspection** ___

INSPECTION BY: FAZIL RAHAMAN

ITEM I.D.	PROBLEM CODE	PRIORITY CODE	PHOTO TAKEN	COMMENTS
Electrical Panels and Control Panels				**Lights tested:** (Y) / N
BLOWER	G	4	Y (N) #	BLOWER 104A, SCRP. FUEL INDICATOR & INLET 104A
CONDENSATE	I	4	Y (N) #	HEATER BAR WIRE CONNECTION/TERMINALS NEED'S ATT.
Gates / Locks / Signs				
			Y / N #	
Fencing (identify location by Grid I.D.))				
			Y / N #	
			Y / N #	
Site Trailer				
			Y / N #	

PROBLEM CODE			
a	damage	g	replace indicator lights
b	vandalism	h	tripped / reset required
c	alarms	i	HEATER BAR
d	missing locks	j	
e	missing signs	k	
f	hole in fence fabric	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

DATE: 6/19/07

Quarterly Inspection ✓ **Storm Inspection** ___ **INSPECTION BY:** FAZIL RAHAMAN

ADDITIONAL COMMENTS AS REQUIRED
LFG RECOVERY WELLS/VALVE VAULTS #16, 17 & 18 WILL BE INSPECTED NEXT QUARTER.
LFG COLLECTION WELLS #9 THROUGH #16 WILL BE INSPECTED NEXT QUARTER.
LFG COLLECTION WELLS #11 & 13 T.D. NEEDS TO BE REPAINTED.
LFG COLLECTION WELL #3 ACCUMULATES WATER. RE: TO ATTACHED MEMORANDUM DATED 11/16/06 & 2006, 4TH / 2007, 1ST QUARTER REPORT'S, PHOTO'S TAKEN.
LFG COLLECTION WELL'S #6, 11, 12 & 14 BEING MONITORED, HEADDER PIPE CLOSE TO PRE. CAST. RE: TO 2006, 4TH & 2007, 1ST. QUARTER REPORT, PHOTO'S TAKEN.
LFG COLLECTION WELL'S #15 & 16 BEING MONITORED, HEADDER PIPE CLOSE TO ACCESS COVER & PRE. CAST. RE: TO 2007, 1ST. QUARTER REPORT, PHOTO'S TAKEN.
NOTE: SIX PHOTO'S, MEMORANDUM DATED 11/16/06, F.P.M. APRIL, MAY, JUNE 07 LANDFILL GAS MONITORING RESULTS, S.C.D.P.W. PH DATA COLLECTION FORM, & EARTH CARE INVOICE #12734 (CONDENSATE PUMP OUT) ATTACHED.

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

Signature: _____

①

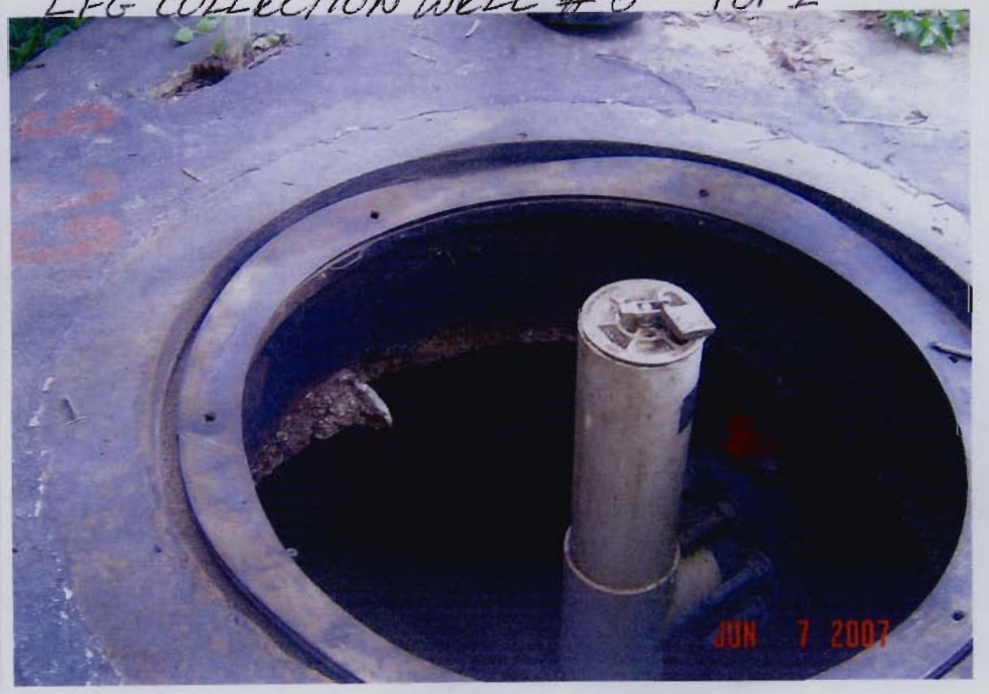
PG. 4 GRID I.D. C&D5

②

PG. 11 LFG RECOVERY WELL/VALVE VAULT 13

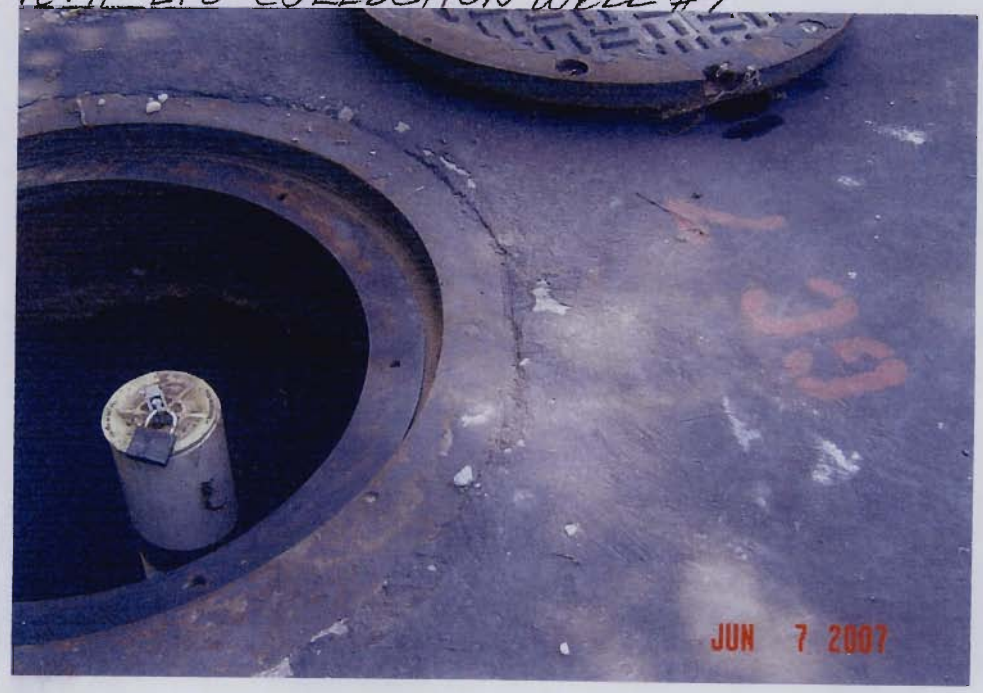
③ PG. 11
LFG COLLECTION WELL #2

④ PG. 11
LFG COLLECTION WELL #6 1 OF 2



④ PG. 11 2 OF 2

⑤ PG. 11 LFG COLLECTION WELL #7



ISLIP RESOURCE RECOVERY AGENCY 401 MAIN STREET, ISLIP, NEW YORK 11751 (631) 224-5644

MEMORANDUM

TO: Christopher Andrade, President

FROM: Paul J. DiMaria, PE, Chief Engineer

DATE: November 16, 2006

RE: Conditions at Sonia Road Landfill

The Post Closure Monitoring Inspection recently completed by Operations personnel revealed several conditions at Sonia Road Landfill and environs that require attention. On the morning of November 14th Fazil Rahaman and Francis D. Ribaudo, PE visited the site to inspect the areas of concern and later that same day Mr. Ribaudo and I visited the site for the same reason. Our observations and recommendations are listed below:

1. **Condition**: Groundwater monitoring wells MW11S and MW 11D wells (located near the SCATT Property) are buried.
   Problem: It is difficult or impossible to get to the well heads for sampling. It must be noted that SCATT has been cooperative in exposing the wells for sampling, but it's an ongoing problem.
   Perceived Cause: The wells are located in the entrance way of SCATT Industries and their trucks are continually running through that area. Over the course of time rutting of the driveway occurs and SCATT adds fill to the ruts, thus burying the wells. It is not immediately clear as to whether the property on which the wells are located is owned by SCATT or the Town (it may be part of a Town road).
   Recommendations: Engage the services of a surveyor (an on-call contract already exists) to research the location and determine ownership of the property on which the wells are located. If owned by SCATT, determine whether proper easements have been acquired. Once this information is obtained, have the wells properly raised to grade by the responsible party and instruct SCATT as to future actions.

2. **Condition**: There appears to be movement of soils on the slope along the north property line in the area between the two entrances used by Atlantic Automall. Slope movement is evident by observation of local settlement and cracking of the soil at the top of slope.
   Problem: Movement of soil, if continued, can result in a gradual or immediate slope failure. If this happens soil will collapse onto the property below.
   Perceived Cause: Saturation of the down slope soils due to storm water from the landfill.

Recommendations: Engage the services of a Consulting Engineer to determine the cause, evaluate the seriousness of the situation, and recommend and design the most cost effective solution. Then engage the services of a contractor to execute the design.

3. **Condition**: Well caps on Gas Monitoring Wells GM-13 and GM-14 appear to have slid and settled.
Problem: The well caps are bearing, both laterally and vertically, on the wells and may cause a break in the well casings.
Perceived Cause: Settlement of the waste mass in the area of the wells. This type of settlement is typical of landfills and was expected. Similar problems were noted an corrected (by a contractor) on other wells.
Recommendations: Engage the services of a contractor to reset the well caps.

4. **Condition**: The well head on Gas Collection Well GC-13 is set under the concrete slab of the access chamber, unlike on the other wells where it is located under the access chamber cover.
Problem: If the access chamber settles it will damage the well head.
Perceived Cause: Closer inspection reveals that the well was most likely installed the way it is now and that there is no immediate evidence of movement of settlement of the access chamber.
Recommendations: Although there may not be settlement occurring, the access chamber on GC-13 should be monitored for settlement as a precaution.

5. **Condition**: The access chamber on Gas Collection Well GC-3 has settled and is collecting water (2 separate problems, which may be related). The well head was recently shortened by sawing off part of the top.
Problem: Settlement of the access chamber can damage the well head. Additionally, the storm water collecting in the access chamber may be being drawn into the gas collection system (which is under vacuum) and could be a source of excess condensate.
Perceived Cause: Settlement of the waste mass in the area of the wells. This type of settlement is typical of landfills and was expected
Recommendations: Engage the services of a contractor to reset the access chambers.

cc: A. Sanchez
J. Cosci
F. Rahaman
FDR

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

June 15, 2007

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

Re: **Sonia Road Landfill**
June 2007 Landfill Gas Monitoring Results
FPM File No. 631-04-06

Dear Mr. Sanchez:

On June 12 and 14, 2007, 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_2) gas and methane (CH_4) gas were zeroed according to the manufacturer's specifications. The gas analyzer was calibrated with 15 percent (%) CH_4 and 15% carbon dioxide (CO_2) with the balance nitrogen (N_2) gas, and 4% O_2 with the balance N_2 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 9, 2007. Thomas Dudo 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: Thomas Dudo (via fax)
Fazil Rahaman (via fax)

\\Lifeclients\Islip RRA\Reports\Sonia-final\2007 letters\June 15.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	6/12/2007 13:43	2.4	10.5	8.4	30.3	3.60
GM-01	OK	6/12/2007 13:46	0.0	0.4	18.2	30.3	0.00
GM-02	OK	6/12/2007 13:52	0.0	5.8	9.9	30.2	0.00
GM-03	OK	6/12/2007 13:56	0.0	0.0	19.0	30.2	0.00
GM-04	OK	6/14/2007 12:52	0.0	0.2	19.9	30.3	0.00
GM-05	OK	6/12/2007 14:03	0.0	0.5	17.5	30.2	0.00
GM-06	OK	6/12/2007 14:08	0.0	0.1	18.9	30.2	0.00
GM-07	OK	6/12/2007 14:13	0.0	0.3	18.4	30.2	0.00
GM-08	OK	6/12/2007 14:18	0.0	0.4	18.5	30.2	0.00
GM-09	OK	6/12/2007 14:23	0.0	1.0	17.8	30.1	0.00
GM-10	OK	6/12/2007 14:31	0.0	0.0	19.1	30.1	0.00
GM-11	OK	6/12/2007 14:35	0.0	1.3	17.7	30.1	0.00
GM-12	OK	6/12/2007 14:40	0.0	0.1	18.9	30.1	0.00
GM-13	*	6/12/2007 14:46	0.0	0.7	18.1	30.1	0.00
GM-14	*	6/12/2007 14:53	0.0	1.0	18.0	30.1	0.00
GM-15	OK	6/12/2007 14:57	0.0	0.0	19.1	30.1	0.00
GM-16	OK	6/12/2007 15:02	0.0	1.0	18.0	30.1	0.00
GM-17	OK	6/12/2007 15:06	0.0	0.4	18.9	30.1	0.00

Notes:

CH_4, CO_2, and O_2 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: 6/12/2007 - Partly sunny, 75°F 6/14/2007 - Overcast, 65°F

***GM-13 - Exterior casing is obstructed by well and will not close**
***GM-14 - Exterior casing is obstructed by well and will not close**

FPM

GROUNDWATER WELL CONDITION

H2MGROUP

ACEC MEMBER SUPPORTING
EXCELLENCE IN ENGINEERING

Holzmacher, McLendon & Murrell, P.C. ◣ H2M Associates, Inc.
H2M Labs, Inc. ◣ H2M Architecture & Engineers, Inc.
175 Pinelawn Road, Suite 308, Melville, New York 11747
631.756.8000, Fax: 631.694.4122
www.h2m.com

July 6, 2007

Francis D. Ribaudo, P.E.
Associate Engineer
Islip Resource Recovery Agency
401 Main Street
Islip, New York 11751

Re: Well Condition Report
Second Quarter 2007
Sonia Road Landfill
H2M No. ISLP0701

Dear Mr. Ribaudo:

The purpose of this letter is to provide the Second Quarter 2007 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.

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\ISLP0701 (Sonia Rd Landfill)\01-DRAFT REPORT\Draft Report\2 Qtr 2007\wellcond2Q2007.doc

Table 1
WELL INSPECTION SUMMARY – SECOND QUARTER 2007
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	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	Intact	Yes	Straight	Marked	Yes	Yes
MW-06I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-06D	Intact	Intact	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	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	Intact	Yes	Straight	Marked	Yes	Yes
MW-13I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-13D	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-14S	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-14I	Intact	Intact	Yes	Straight	Marked	Yes	Yes
MW-14D	Intact	Intact	Yes	Straight	Marked	Yes	Yes

Monitoring Well Inspection Checklist

Well No. MW-1S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-1I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-1D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-2I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-2D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-3S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact		X	
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments: Flush mounted cover missing, replaced by H2M

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-3I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-3D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-4S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled		X	
7. Well is Protected	X		

Comments: Well is located approximately 50' from designated location on site map

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-4I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-4D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-5S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-5I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-5D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-6S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-6I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-6D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-7S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-7I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-7D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-10S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-10I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-10D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-11S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled		X	
7. Well is Protected		X	

Comments: Well is buried under 6'' of soil, which accumulates over time due to placement in roadway

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-11I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-11D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-12S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-12I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-12D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-13S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-13I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-13D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-14S

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-14I

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

Monitoring Well Inspection Checklist

Well No. MW-14D

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush Mounted Cover/Standpipe and Lock			
Cover Intact	X		
Standpipe Intact			
Lock Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Cleary Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector: EVT
Date of Inspection: 5/23/07

APPENDIX A

CAR COUNT 6/27/07

Hill

Dealership	*Car Count*
Atlantic Nissan	**311**
Atlantic Kia	**69**
Atlantic Hyundai	**501**
Atlantic Honda	**264**
Atlantic Toyota	**121**
Atlantic Infiniti	**98**
Alantic Chevy	**72**
Atlantic Caddy	**27**
Millennium Honda	**104**
Millennium Hyundai	**214**
Advantage Toyota	**40**
Advantage Nissan	**135**
Total Hill:	**1956**