

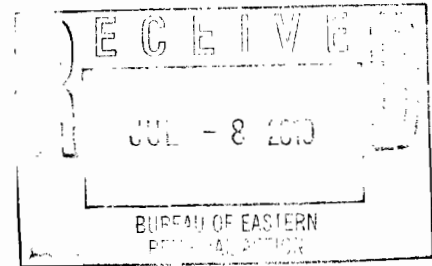


TOWN OF HUNTINGTON

FRANK P. PETRONE, *Supervisor*

ENVIRONMENTAL WASTE MANAGEMENT

July 1, 2010



Ms. Cynthia Whitfield P.E.
Environmental Engineer II
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A Section B., 11th Floor
625 Broadway
Albany, New York 12233-7015

**Re: Huntington/East Northport Landfill; NYSDEC Site #1-52-040;
 Environmental Monitoring Report**

Dear Ms. Whitfield,

As required by the Record of Decision for the above referenced site, transmitted herewith please find copies of the "Landfill Gas and Control System Monitoring Report" for the East Northport Landfill for the month of May 2010.

Please do not hesitate to call me if you have any questions or comments regarding these documents.

Sincerely,

Neal Sheehan,
Director Environmental Waste Management

RL:rl

Enclosed: 1.) Landfill Gas and Control System Monitoring Report, May 2010

Cc:	file copy	(w/ encl.'s)
	M. Laux, Deputy Director, DEWM, TOH	(w/o encl.'s)
	T. Chambers, Covanta	(w/ encl.'s)
	S. H. Rahman, NYSDEC	(w/ encl.'s)

**Landfill Gas and Control System Monitoring
Town of Huntington East Northport Landfill
East Northport, New York
May, 2010**

Prepared for:

**Town of Huntington Department of Environmental Waste Management
100 Main Street
Huntington, New York 11743**

Prepared by:

**R & C Formation, Ltd.
705 Bedford Ave., Suite 2B
Bellmore, New York 11710**

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**Landfill Gas and Control System Monitoring
Town of Huntington East Northport Landfill
East Northport, New York
May, 2010**

Introduction

Presented herein are the results of May, 2010 landfill gas and control system monitoring activities performed at the Town of Huntington East Northport Landfill, as stipulated by the New York State Department of Environmental Conservation.

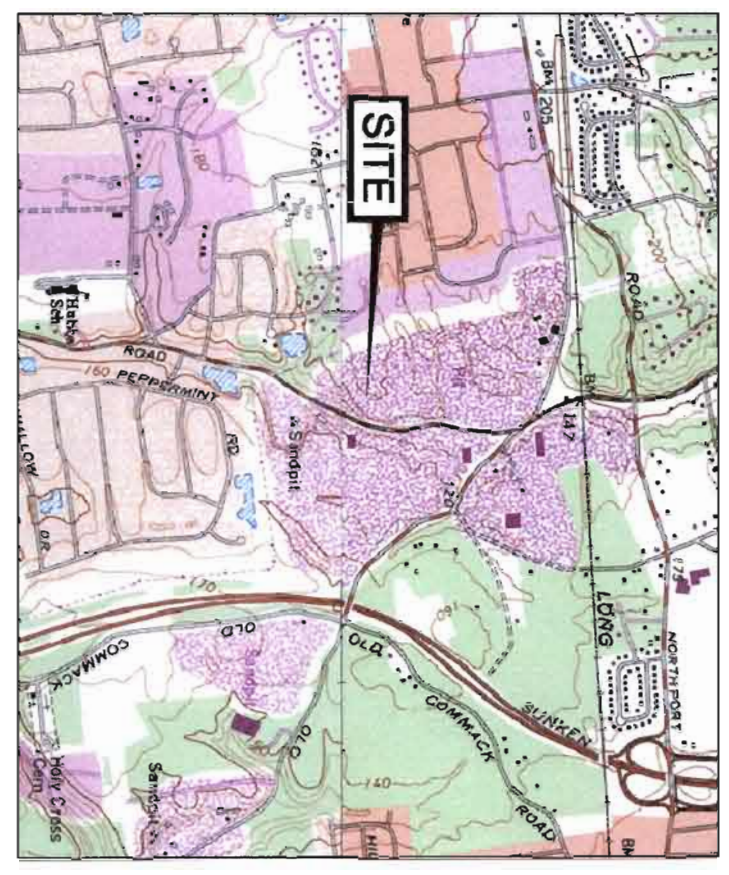
The primary landfill gas migration control system consists of thirty active landfill gas control wells connected - via a single header pipe forming a complete loop around the 44 acre East Northport Landfill - to one blower station. Landfill gas monitoring wells (consisting of 3-4 probes screened from approximately 5-70 feet below grade), situated outside of the aforementioned header pipe, provide a means to verify the control system's efficacy. Separate landfill gas control and monitoring systems are located at adjacent Animal Control and Resource Recovery Facilities.

Figure 1 depicts the landfill area and pertinent components of the landfill gas monitoring and control system. The scope-of-work completed (per our agreement with the Town of Huntington Department of Environmental Waste Management dated December 4, 2006) precedes a summary of results. A discussion of methane monitoring data - with an emphasis on trends and occurrence - and the system's physical and operating condition follows.

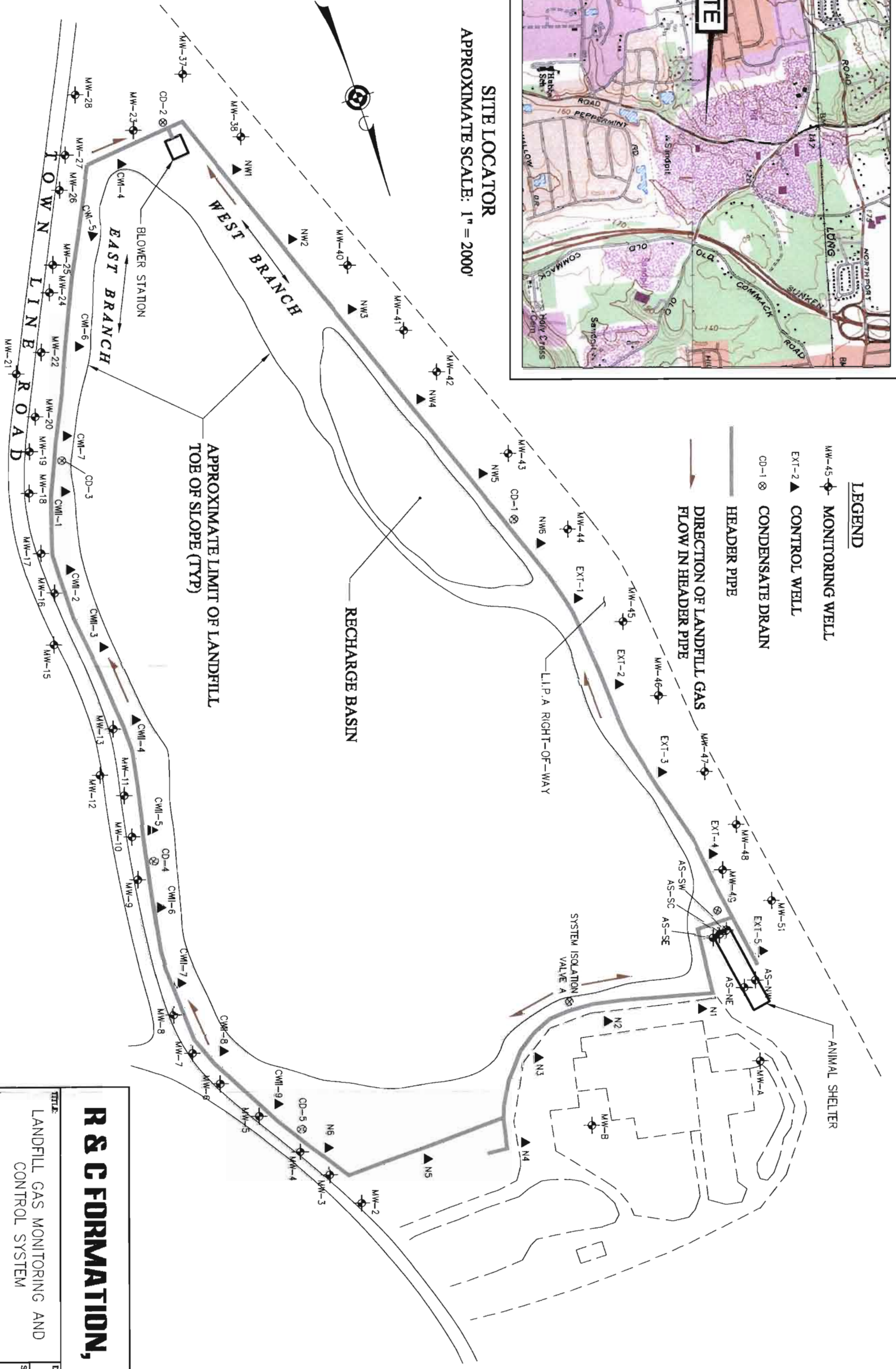
Scope-of-Work

The scope-of-work includes performance of the following on a monthly basis:

- 1) Monitoring of all probes in 41 landfill monitoring wells and up to 5 probes around the Town Animal Control Facility for methane gas and gas pressure.
- 2) Monitoring of 30 methane control wells and blower station for temperature, flow rate, vacuum, methane and oxygen (balance of the control system to be checked and adjustment to wells and to blower intake made, if necessary).



SITE LOCATOR
 APPROXIMATE SCALE: 1" = 2000'



LEGEND

- MW-45 ◉ MONITORING WELL
- EXT-2 ▼ CONTROL WELL
- CD-1 ⊗ CONDENSATE DRAIN
- HEADER PIPE
- DIRECTION OF LANDFILL GAS FLOW IN HEADER PIPE

R & C FORMATION, LTD.		FIGURE:	1
		TOWN OF HUNTINGTON EAST NORTHPORT LANDFILL EAST NORTHPORT, NY	
TITLE: LANDFILL GAS MONITORING AND CONTROL SYSTEM		DATE:	9/22/03
SCALE: AS SHOWN		DRAWING NO.:	01006-1A
APPR. BY:		B.C.	

- 3) Examination of 5 condensate traps in the control system for proper operation and water accumulation.
- 4) Noting of any problems, damage, missing parts etc. at each monitoring well, methane control well, condensate trap, Animal Control Facility probes and blower station.

Summary of Results

General

Reported monthly monitoring activities were performed May 26, 2010. Climatic conditions for the monitoring period are as follows:

Temperature: 76 (°F); Barometric Pressure: 29.84 (in. Hg); Relative Humidity: 63.0%; Precipitation: 0.00 inches; Wind Speed & Direction: 5.0 mph, west-southwesterly.

Monitoring Wells

Table 1 presents a summary of measured and recorded landfill gas monitoring well data. As shown, methane was not detected throughout the entire monitoring well network.

LFG Control Wells

A summary of measured and recorded landfill gas control well data - including the system's blower station where 2 "inlet" measuring points (Blower Station 1 & 2) and 1 "outlet" measuring point (Blower Station 3) are located - is presented on Table 2. As shown, control well vacuum values (i.e., negative pressure), a direct indicator of the system's balance, range from 0.00 - -0.70 (in. H₂O). "Extracted" methane values range from 0.0 – 4.1%.

Condensate Traps

Standing water measured within condensate traps CD-1 (3.4 feet), CD-2 (4.9 feet), CD-3 (8.7 feet), CD-4 (7.2 feet) and CD-5 (3.9 feet) was evacuated, as per usual, upon the completion of monitoring activities.

Discussion

Methane Monitoring Data

A summary of measured and recorded methane concentrations detected at landfill gas monitoring wells throughout the period-of-record from January, 2006 through May, 2010 is presented on Table 3. As shown, methane has historically been detected sporadically and at low levels at 14 site monitoring wells. The most elevated concentration detected throughout the entire landfill gas monitoring well network continues to be 5.0 %; as measured at Animal Control Facility monitoring well AS-NE during March, 2001 monitoring activities (see October, 2007 report).

Methane has not been detected at primary landfill gas migration control system monitoring wells since a nominal concentration (0.1%) was recorded at MW-49 during June, 2002 monitoring activities. The sporadic nature of low-level methane detections indicates that landfill gas control systems in relation to both the Animal Control Facility and East Northport Landfill continue to perform effectively.

Table 4 presents a summary of methane concentrations detected at landfill gas control wells during the period-of-record from January, 2006 through May, 2010. As shown on Table 4, reported values are generally consistent throughout the 53 month period, though a general decrease in detected concentrations is indicated.

Physical and Operating Condition

Based upon current and historical landfill gas monitoring data summarized above, the East Northport Landfill's primary landfill gas control system continues to effectively negate the off-site migration of methane. However, as shown in Appendix 1, vacuum values measured during the last five monthly monitoring events are historically low throughout the system. This phenomenon is currently considered an anomaly; attributable to snow-melt, high precipitation and subsequent control well flooding (see below).

The physical condition of system monitoring wells and control wells is noted on Table 1 and Table 2, respectively. As shown, with the exception of monitoring well MW-13 (riser pipe disconnected at probe B) and control wells CWI-7, CWII-6 and N-6 (flooded) monitoring wells and control wells were accessible and in good condition. Blower station pump # 2 was in operation during May monitoring activities and all control wells continue to be set in the full-open-position. This full-open-position will be maintained for an evaluation period and modified if/as necessary.

Recommendations

- * In the event that methane is detected at any monitoring well associated with the primary landfill gas migration control system, recommence the monitoring of off and on-site structures.
- * Assess occurrence of methane versus landfill area (i.e., identify dominant landfill gas production zones).
- * Continue assessment of potential impact of all control valves at full-open-position on system-wide vacuum/methane levels.
- * Increase the inspection (e.g., weekly) and, when necessary (i.e., following extended periods of precipitation or snow melt), increase the pumpage periodicity of standing water within condensate traps CD-1 through CD-5.
- * Confirm anticipated increase in control well vacuum values with decreasing snow melt/precipitation. In the event vacuum values do not increase, test the primary landfill gas migration control system header pipe for the presence of blockages and/or leaks.

Table 1
Landfill Gas Monitoring Well Data
Town of Huntington East Northport Landfill, East Northport, New York
Measured May 26, 2010

Well No.	Probe Pressure (in. H ₂ O)				Methane 0-100% (Volume)				Condition
	A	B	C	D	A	B	C	D	
MW-A	-0.02	-0.02			0.0	0.0			
MW-B	-0.04	-0.06			0.0	0.0			
MW-2	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
MW-3	-0.02	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
MW-4	0.00	-0.03	0.00	-0.02	0.0	0.0	0.0	0.0	
MW-5	0.00	0.00	-0.01		0.0	0.0	0.0		
MW-6	-0.02	0.00	0.00		0.0	0.0	0.0		
MW-7	0.00	0.00	-0.02		0.0	0.0	0.0		
MW-8	0.00	0.00	-0.02		0.0	0.0	0.0		
MW-9	-0.04	0.00	0.00		0.0	0.0	0.0		
MW-10	-0.03	0.00	-0.04	0.00	0.0	0.0	0.0	0.0	
MW-11	0.00	0.00	-0.03	-0.02	0.0	0.0	0.0	0.0	
MW-12	-0.03	-0.02	0.00		0.0	0.0	0.0		
MW-13	0.00	NA	-0.04		0.0	NA	0.0		<i>Riser pipe disconnected at Probe B</i>
MW-15	0.00	-0.02	-0.01		0.0	0.0	0.0		
MW-16	-0.03	-0.04	-0.03		0.0	0.0	0.0		
MW-17	0.00	0.00	0.00		0.0	0.0	0.0		
MW-18	0.00	0.00	-0.02		0.0	0.0	0.0		
MW-19	0.00	-0.02	0.00	-0.02	0.0	0.0	0.0	0.0	
MW-20	-0.02	-0.02	0.00		0.0	0.0	0.0		
MW-21	0.00	-0.03	0.00	0.00	0.0	0.0	0.0	0.0	
MW-22	0.00	0.00	0.00		0.0	0.0	0.0		

Table 1 (continued)

Well No.	Probe Pressure (in. H2O)				Methane 0-100% (Volume)				Condition
	A	B	C	D	A	B	C	D	
MW-23	0.00	-0.03	0.00	-0.04	0.0	0.0	0.0	0.0	
MW-24	0.00	-0.07	-0.02		0.0	0.0	0.0		
MW-25	-0.07	-0.07	-0.06		0.0	0.0	0.0		
MW-26	-0.02	-0.03	-0.03	-0.03	0.0	0.0	0.0	0.0	
MW-27	0.00	0.00	0.00		0.0	0.0	0.0		
MW-28	0.00	-0.01	0.00		0.0	0.0	0.0		
MW-37	-0.01	0.00	-0.01		0.0	0.0	0.0		
MW-38	0.00	0.00	0.00		0.0	0.0	0.0		
MW-40	0.00	0.00	0.00	-0.02	0.0	0.0	0.0	0.0	
MW-41	0.00	-0.02	0.00		0.0	0.0	0.0		
MW-42	0.00	0.00	0.00		0.0	0.0	0.0		
MW-43	0.01	0.00	-0.01		0.0	0.0	0.0		
MW-44	0.00	0.00	0.00		0.0	0.0	0.0		
MW-45	0.00	0.00	-0.02		0.0	0.0	0.0		
MW-46	-0.01	-0.03	0.00	0.00	0.0	0.0	0.0	0.0	
MW-47	0.00	0.00	0.00		0.0	0.0	0.0		
MW-48	0.00	0.00	0.00		0.0	0.0	0.0		
MW-49	-0.01	-0.02	0.00		0.0	0.0	0.0		
MW-51	0.00	0.00	0.00		0.0	0.0	0.0		
AS-NW	0.00				0.0				
AS-NE	0.00				0.0				
AS-SW	0.00				0.0				
AS-SC	0.00				0.0				
AS-SE	0.00				0.0				

D - Deepest Probe

C - Deep Probe

B - Middle Probe

A - Shallow Probe

Shading indicates the well is not equipped with that particular probe.

NA - Not Available

Table 2
Landfill Gas Control Well Data
Town of Huntington East Northport Landfill, East Northport, New York
Measured May 26, 2010

Well No.	Temp (°F)	Flow Rate (ft ³ /min)	Vacuum (in. H ₂ O)	Methane 0-100 % (Volume)	Oxygen % in Air	Condition
CWI-4	70.7	229.00	-0.63	0.5	17.5	
CWI-5	73.6	345.00	-0.69	0.3	15.8	
CWI-6	68.3	220.00	-0.68	0.8	16.1	
CWI-7	NA	NA	NA	NA	NA	Flooded
CWII-1	81.5	71.50	-0.63	4.1	13.8	
CWII-2	85.3	109.00	-0.59	2.1	12.6	
CWII-3	65.3	145.00	-0.60	0.3	12.5	
CWII-4	66.7	184.00	-0.58	0.0	15.2	
CWII-5	69.2	240.00	-0.59	0.1	13.5	
CWII-6	NA	NA	NA	NA	NA	Flooded
CWII-7	68.7	164.00	-0.32	0.1	16.0	
CWII-8	90.6	0.79	0.00	0.5	15.9	
CWII-9	74.2	63.50	-0.04	0.1	14.5	
NW-1	58.2	85.00	-0.63	0.0	20.5	
NW-2	53.2	870.00	-0.70	0.0	20.4	
NW-3	60.1	1,200.00	-0.62	0.0	19.9	
NW-4	58.9	80.50	-0.55	0.2	19.8	
NW-5	58.2	125.00	-0.45	0.0	20.6	
NW-6	59.6	104.00	-0.46	0.0	20.5	
Ext-1	88.3	16.60	-0.01	0.0	20.4	
Ext-2	72.3	72.50	-0.21	0.0	19.8	
Ext-3	67.2	85.50	-0.46	0.0	20.5	
Ext-4	71.2	70.20	-0.45	0.1	20.1	
Ext-5	69.3	72.00	-0.40	0.0	20.7	
N-1	78.3	0.25	0.00	0.0	20.1	
N-2	77.8	4.62	-0.02	1.6	18.8	
N-3	76.1	3.09	-0.03	0.0	20.1	
N-4	79.4	2.11	-0.02	0.0	16.9	
N-5	77.0	2.80	-0.02	0.0	15.3	
N-6	NA	NA	NA	NA	NA	Flooded
Blower Station - 1	79.5	2,450.00	-0.12	0.1	17.3	
Blower Station - 2	62.4	3,040.00	-0.20	0.0	17.8	
Blower Station - 3	61.2	3,060.00	1.02	0.0	17.5	

NA - Not Available

Table 3
Summary of Methane Detections
Landfill Gas Monitoring Wells
Town of Huntington East Northport Landfill, East Northport, New York
for period of record between January, 2006 and May, 2010

Well	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07
MW-7C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-8C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-11A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-18A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-19A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-24C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-38B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-39A	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-49B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-49C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-SC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-NE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

NA - Not Available
 Measured in % Volume

Table 3 (continued)

Well	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08
MW-7C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-8C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-11A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-18A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-19A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-24C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-38B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-39A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-49B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-49C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-SC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NA - Not Available
 Measured in % Volume

Table 3 (continued)

Well	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
MW-7C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-8C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-11A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-18A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-19A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-24C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-38B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-39A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-49B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-49C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-SC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NA - Not Available
 Measured in % Volume

Table 4
Landfill Gas Control Well Methane Data
Town of Huntington East Northport Landfill, East Northport, New York
for period of record between January, 2006 and May 2010

Well	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07
CWI-4	0.0	0.3	0.4	0.2	0.1	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.0	0.1
CWI-5	0.0	1.8	2.0	1.5	0.8	1.5	0.2	0.0	0.0	1.0	0.8	0.7	0.7	2.1	0.0	0.7
CWI-6	0.1	0.3	0.1	0.4	1.0	0.9	0.2	0.0	0.0	0.0	1.0	0.6	0.6	0.0	0.0	0.8
CWI-7	0.2	5.0	6.0	5.0	0.1	0.7	0.6	0.0	0.0	0.2	2.2	1.5	1.1	NA	0.1	2.0
CWI-1	0.4	5.0	6.0	2.7	1.6	2.4	2.6	7.0	0.0	0.3	4.0	4.0	3.8	5.0	5.0	3.8
CWI-2	0.2	4.5	4.2	3.4	2.7	1.9	1.0	2.2	0.0	3.0	1.6	1.6	1.6	1.2	1.7	1.7
CWI-3	0.2	2.3	2.1	0.9	1.8	1.5	1.5	1.7	0.0	0.2	0.0	0.7	1.1	1.1	1.3	NA
CWI-4	0.2	4.0	3.8	1.0	4.0	1.3	0.8	4.7	0.0	0.3	5.0	2.8	2.8	1.7	3.6	2.7
CWI-5	0.0	1.0	4.2	0.5	0.7	0.6	0.4	1.5	0.0	0.0	0.8	0.4	0.6	0.8	0.2	0.4
CWI-6	0.2	3.5	0.7	0.8	2.0	0.6	1.1	0.5	0.0	0.1	0.9	1.4	1.7	1.7	0.3	1.2
CWI-7	0.0	0.1	3.4	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
CWI-8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CWI-9	0.0	1.1	0.0	0.7	0.6	0.2	0.5	0.4	0.0	0.0	0.4	0.4	0.7	0.6	0.4	0.3
NW-1	0.0	0.0	1.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-3	0.2	0.0	0.0	0.0	0.2	0.0	0.8	0.2	0.0	3.0	1.2	0.3	1.3	0.2	0.0	0.1
Ext-4	0.2	0.0	0.0	0.0	0.4	0.2	0.4	0.1	0.0	2.0	0.4	0.2	1.0	0.1	0.0	0.1
Ext-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-2	2.6	1.3	0.6	11.0	NA	0.0	4.8	0.0	0.8	4.4	3.0	0.5	0.2	0.0	3.1	4.0
N-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-6	NA	0.0	0.0	0.1	NA	0.7	0.1	0.1	0.0	0.0	NA	NA	NA	NA	NA	0.0
BS-1	0.1	0.0	0.6	0.9	0.7	0.4	0.4	0.0	0.1	0.9	0.7	0.5	0.5	0.6	0.1	0.5

NA - Not Available
 Measured in % Volume

Table 4 (continued)

Well	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08
CWI-4	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1
CWI-5	0.8	0.9	0.8	0.7	0.8	0.8	0.0	0.7	0.5	0.5	2.5	0.4	0.2	0.3	0.4	0.0
CWI-6	0.7	1.1	1.3	0.8	1.0	0.8	0.1	0.5	0.6	0.9	0.5	0.4	0.3	0.5	0.7	0.3
CWI-7	2.3	2.4	2.3	2.0	3.0	2.6	0.2	2.0	2.2	2.1	1.3	1.1	0.9	1.2	1.3	0.5
CWII-1	4.6	9.0	8.0	5.0	5.0	1.3	5.0	7.0	7.0	10.0	4.0	3.3	2.2	3.8	3.8	1.0
CWII-2	1.9	2.3	2.0	1.5	1.8	6.0	1.4	1.0	1.1	1.2	0.7	0.9	0.6	0.7	0.9	2.5
CWII-3	NA	3.8	2.7	4.0	3.5	1.8	2.8	0.3	1.5	2.2	1.4	1.0	0.5	1.0	1.4	0.7
CWII-4	2.6	3.5	3.3	3.1	3.5	2.6	3.5	2.5	2.1	2.7	2.0	1.5	1.1	1.5	1.5	1.0
CWII-5	0.9	1.7	1.3	1.7	1.8	0.9	1.0	0.2	0.3	0.4	2.5	0.3	0.3	0.5	0.8	1.2
CWII-6	1.7	2.5	2.0	2.0	2.9	1.7	2.1	0.3	1.0	0.7	0.7	0.7	0.6	0.8	0.0	0.5
CWII-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
CWII-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CWII-9	0.5	0.5	0.5	0.4	0.6	0.4	0.5	0.3	4.5	0.2	0.2	0.2	0.2	0.2	0.1	0.3
NW-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
NW-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-3	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.5	1.5	0.2	0.0	0.0	0.0	0.0	0.0
Ext-4	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ext-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-2	2.8	3.4	3.3	3.0	3.4	4.7	0.3	3.5	2.0	NA	1.5	2.8	2.2	2.4	2.3	2.2
N-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-6	0.0	0.0	0.0	0.0	0.0	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BS-1	0.5	0.7	0.4	0.7	0.7	0.6	0.0	0.5	0.4	0.5	0.3	0.3	0.2	0.3	0.3	0.3

NA - Not Available
Measured in % Volume

Table 4 (continued)

Well	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
CWI-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.3
CWI-5	0.2	1.5	0.3	0.0	0.3	0.0	0.1	0.2	0.2	0.0	0.1	0.0	0.2	0.5	0.4	0.3
CWI-6	0.2	0.2	0.6	0.0	0.5	0.0	0.0	0.3	0.3	0.0	0.0	0.1	0.0	1.1	1.0	1.2
CWI-7	0.8	0.4	2.0	NA	0.6	0.0	0.3	1.0	1.2	0.0	0.1	0.1	0.1	NA	NA	NA
CWII-1	1.8	1.1	3.3	0.0	2.2	0.1	0.5	1.5	1.6	0.9	5.0	5.2	4.5	5.0	4.8	4.3
CWII-2	0.4	0.3	1.0	0.0	0.5	0.1	0.2	0.5	0.6	0.0	3.3	3.5	3.1	1.8	1.6	1.8
CWII-3	0.3	0.1	1.0	0.0	0.5	0.0	0.3	0.9	1.0	0.7	2.2	2.4	2.4	3.0	2.8	2.7
CWII-4	0.7	0.3	1.5	NA	0.1	0.1	0.5	1.6	1.4	0.8	1.5	1.7	1.8	2.0	1.6	1.9
CWII-5	0.2	0.0	0.4	0.0	0.1	0.0	0.1	0.1	0.0	0.2	0.2	0.1	1.2	1.1	1.0	1.7
CWII-6	0.6	0.8	1.0	NA	0.0	0.0	0.2	NA	NA	NA	NA	NA	0.8	NA	NA	NA
CWII-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.1
CWII-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CWII-9	0.1	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.2	0.6	0.2	0.1	0.4
NW-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NA
NW-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NA
Ext-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ext-4	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Ext-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0
N-1	0.0	NA	NA	NA	NA	0.0	0.0	0.0	0.0	NA	0.0	0.0	0.0	0.0	NA	0.0
N-2	2.0	2.3	2.0	0.0	2.5	0.0	1.5	1.5	0.0	4.0	3.5	3.8	3.8	9.0	8.4	0.6
N-3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-4	0.0	0.0	0.0	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
N-5	0.0	0.0	0.0	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0
N-6	0.0	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	0.0
BS-1	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.5	0.5	0.3

NA - Not Available
Measured in % Volume

Table 4 (continued)

Well	1/10	2/10	3/10	4/10	5/10
CWI-4	0.1	NA	0.0	0.1	0.5
CWI-5	1.0	1.0	0.8	0.2	0.3
CWI-6	NA	0.0	1.2	1.1	0.8
CWI-7	NA	NA	NA	NA	NA
CWII-1	4.0	3.5	5.0	4.2	4.1
CWII-2	1.5	1.0	2.3	1.9	2.1
CWII-3	1.5	1.4	1.2	0.0	0.3
CWII-4	2.0	2.0	0.5	0.1	0.0
CWII-5	0.5	1.0	NA	0.1	0.1
CWII-6	NA	NA	NA	NA	NA
CWII-7	0.1	0.0	0.0	0.1	0.1
CWII-8	0.1	0.0	0.0	0.0	0.5
CWII-9	0.2	0.1	0.0	0.1	0.1
NW-1	0.0	0.0	0.0	0.1	0.0
NW-2	0.0	0.0	0.0	0.1	0.0
NW-3	0.0	0.0	0.0	0.0	0.0
NW-4	0.0	0.0	0.0	0.1	0.2
NW-5	0.0	0.0	0.0	0.0	0.0
NW-6	0.0	0.0	0.0	0.0	0.0
Ext-1	0.0	0.0	0.0	0.0	0.0
Ext-2	0.0	0.0	0.0	0.0	0.0
Ext-3	0.1	0.4	0.2	0.0	0.0
Ext-4	0.1	0.4	0.0	0.0	0.1
Ext-5	0.1	0.3	0.0	0.0	0.0
N-1	0.0	0.0	NA	0.0	0.0
N-2	4.5	4.0	NA	0.0	1.6
N-3	0.0	0.0	0.0	0.0	0.0
N-4	0.0	NA	0.0	0.0	0.0
N-5	0.0	0.0	0.0	0.0	0.0
N-6	NA	NA	NA	NA	NA
BS-1	0.4	0.3	0.0	0.0	0.1

NA - Not Available
 Measured in % Volume

APPENDIX 1

Landfill Gas Control Well Vacuum Data
East Northport Landfill, East Northport, New York
 for period of record between January, 2006 and May, 2010

Well	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07
CWI-4	-2.9	-2.6	-2.6	-3.0	-2.6	-0.1	-3.3	-5.2	-1.2	-2.8	-3.9	-4.2	-3.0	-3.6	-3.0	-3.0	-2.8	-2.8	-2.6
CWI-5	-3.3	-3.1	-3.2	-2.6	-2.8	0.0	-2.8	-1.9	-3.4	-2.3	-4.4	-4.5	-3.4	-3.6	-3.2	-3.2	-2.9	-2.9	-2.7
CWI-6	-3.5	-3.1	-3.0	-3.0	-2.9	-0.3	-4.0	-6.4	-2.9	-2.9	-4.7	-4.3	-3.5	-3.7	-3.2	-3.2	-3.0	-2.9	-2.7
CWI-7	-3.0	-3.0	-2.8	-2.8	-2.8	-0.4	-2.8	-2.4	-3.1	-2.8	-4.5	-4.1	-3.3	NA	-3.0	-2.9	-2.8	-2.7	-2.5
CWII-1	-3.1	-3.0	-3.0	-2.9	-2.7	0.0	-3.2	-6.3	-2.9	-2.6	-4.3	-4.3	-3.4	-3.4	-2.7	-3.0	-2.7	-2.6	-2.5
CWII-2	-3.0	-2.9	-2.7	-2.8	-2.7	-0.5	-3.5	-5.9	-5.4	-2.6	-4.2	-3.9	-3.3	-3.4	-2.6	-2.8	-2.6	-2.5	-2.4
CWII-3	-3.0	-2.9	-2.9	-2.7	-2.5	0.0	-2.6	-6.8	-0.6	-2.7	-4.3	-4.1	-3.1	-3.4	-2.7	NA	NA	-2.6	-2.4
CWII-4	-2.8	-2.8	-2.4	-2.6	-2.7	-0.9	-3.2	-6.8	-2.7	-2.6	-5.0	-4.0	-3.1	-3.7	-2.7	-2.6	-2.5	-2.5	-2.3
CWII-5	-2.8	-2.5	-2.6	-2.7	-2.1	0.0	-2.3	-7.0	-2.6	-2.6	-0.3	-4.2	-3.2	-3.6	-2.6	-2.7	-2.5	-2.4	-2.3
CWII-6	-1.4	-1.4	-1.5	-1.6	-1.9	-0.1	-1.0	-0.2	-1.7	-1.4	-1.7	-2.3	-2.0	-0.2	-1.7	-1.6	-1.7	-1.7	-1.6
CWII-7	-1.2	-1.0	-1.1	-0.7	-1.4	-0.2	-0.8	-0.2	-1.3	-1.1	-1.5	-1.7	-1.7	-1.3	-1.4	-1.4	-1.2	-1.3	-1.1
CWII-8	0.0	0.0	-0.2	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	0.0
CWII-9	-0.9	-0.6	-0.7	-1.0	-0.8	-0.9	-0.6	-0.2	-0.9	-0.8	-0.9	-1.2	-1.4	-1.0	-1.0	-1.1	-0.9	-0.9	-0.8
NW-1	-2.8	-2.8	-2.8	-2.6	-2.2	-2.4	-3.2	-4.0	-3.7	-2.5	-3.2	-3.9	-2.9	-3.4	-3.0	-2.9	-2.8	-2.6	-2.1
NW-2	-3.3	-2.9	-2.7	-2.6	-2.9	-2.7	-3.4	-4.5	-3.4	-3.2	-4.2	-4.5	-3.3	-3.7	-3.2	-3.2	-3.1	-3.9	-2.8
NW-3	-2.8	-2.9	-2.8	-2.7	-2.7	-2.8	-3.2	-4.0	-3.2	-2.8	-4.0	-4.0	-2.3	-3.4	-2.9	-3.0	-2.7	-2.6	-2.6
NW-4	-2.9	-3.0	-3.0	-3.0	-2.7	-2.6	-2.4	-3.6	-2.8	-2.6	-4.0	-3.6	-2.8	-3.3	-2.6	-2.9	-2.6	-2.4	-2.4
NW-5	-2.3	-2.9	-2.6	-2.6	-1.2	-2.5	-2.2	-2.6	-2.3	-2.1	-3.6	-2.9	-2.3	-3.0	-2.2	-2.6	-2.2	-1.9	-2.1
NW-6	-2.2	-3.0	-2.9	-3.0	-1.6	-2.1	-2.8	-2.8	-2.5	-2.8	-3.1	-3.0	-2.3	-2.6	-2.3	-1.6	-2.3	-2.1	-2.0
Ext-1	0.0	0.0	0.0	-0.2	-0.2	-0.3	0.0	-0.7	-0.1	-0.1	-3.6	-3.4	-2.7	-0.1	0.0	0.0	0.0	-1.7	-0.1
Ext-2	-0.6	-0.8	-0.9	-0.8	-0.8	-0.6	-0.1	-3.0	-0.9	-0.7	-3.4	NA	-2.1	-1.1	-0.8	-0.9	-0.9	-2.1	-0.9
Ext-3	-2.1	-2.8	-2.7	-2.6	-2.2	-1.9	-0.5	-3.3	-2.3	-2.1	-3.3	-3.2	-2.3	-2.9	-2.2	-2.5	-2.3	-2.3	-2.1
Ext-4	-2.0	-1.9	-1.8	-1.6	-2.1	-2.0	-0.6	-2.0	-2.0	-2.1	-3.2	-3.5	-2.0	-2.7	-2.2	-2.3	-2.1	-0.9	-2.0
Ext-5	-0.8	-1.6	-1.4	-1.6	-1.7	-1.5	-0.2	-0.1	-1.6	-1.6	-2.4	-2.6	-2.0	-2.3	-2.0	-2.1	-1.9	-0.1	-1.7
N-1	-0.3	-0.2	-0.4	-0.4	-0.6	0.0	-1.0	-2.8	-1.5	-0.2	-0.2	-0.2	0.0	0.1	0.0	-0.2	-0.1	0.0	-0.1
N-2	-0.4	-0.4	-0.8	-0.7	NA	0.0	-0.1	-0.9	-0.3	-0.6	-0.5	-0.4	-0.3	-0.4	-0.4	-0.6	-0.3	-0.3	-0.5
N-3	-0.1	-0.1	0.0	-0.2	-0.1	-0.1	0.0	-0.3	-0.1	-0.1	-0.1	-0.2	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
N-4	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.2	-0.1	-0.2	-0.1	-0.1	0.0	-0.2	-0.8	-0.1	-0.1	0.0	-0.1
N-5	-0.1	-0.1	0.0	-1.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	-0.1	-0.2	0.0	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1
N-6	NA	-0.8	-0.1	-0.2	NA	0.0	-1.1	-0.2	-0.9	-1.0	NA	NA	NA	NA	NA	-1.1	-0.8	-0.9	-0.9
BS-1	-4.9	-4.2	-5.1	-4.6	-4.6	-3.1	-8.5	-10.1	-6.1	-5.1	-7.3	-7.2	4.0	-5.6	-5.0	-5.1	-4.8	-7.3	-4.3

Measured in inches of H2O

NA - Not Available

Landfill Gas Control Well Vacuum Data
East Northport Landfill, East Northport, New York
 for period of record between January, 2006 and May, 2010

Well	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09
CWI-4	-2.6	-2.5	-2.5	-3.1	-3.0	-2.9	-3.7	-3.7	-1.8	-3.4	-1.8	-2.1	-1.6	-1.9	-1.2	-1.4	0.0	-3.0	-2.8
CWI-5	-2.7	-2.8	-2.7	-3.0	-3.5	-3.1	-3.7	-3.5	-3.0	-2.9	-1.8	-2.3	-1.9	-2.1	-1.3	-1.4	0.0	-3.4	-2.8
CWI-6	-2.6	-2.2	-2.4	-2.9	-3.4	-3.2	-3.3	-3.4	-3.1	-2.9	-1.9	-2.4	-1.8	-2.1	-1.3	-1.2	-0.1	-3.6	-3.0
CWI-7	-2.5	-2.5	-2.4	-2.5	-3.1	-3.0	-3.7	-3.3	-2.7	-2.3	-1.8	-2.4	-1.8	-2.0	-1.1	-0.6	NA	-3.6	-2.9
CWII-1	-2.3	-1.5	-2.4	-2.4	-3.0	-2.9	-4.1	-3.2	-2.6	-2.6	-1.7	-2.4	-1.7	-2.0	-1.2	-1.1	-0.1	-3.5	-2.9
CWII-2	-2.3	-2.3	-2.4	-2.5	-3.5	-2.9	-3.2	-3.6	-2.6	-2.5	-1.6	-2.4	-1.7	-2.0	-1.2	-1.6	-0.1	-3.0	-2.8
CWII-3	-2.3	-2.4	-2.3	-2.4	-2.9	-2.9	-3.7	-3.1	-3.1	-2.3	-1.7	-2.7	-1.6	-2.0	-1.1	-0.9	-0.1	-3.6	-2.7
CWII-4	-3.2	-2.1	-2.2	-2.3	-3.6	-2.9	-1.8	-3.5	-2.5	-2.1	-1.6	-2.4	-1.6	-1.9	-1.1	-1.1	NA	-3.4	-2.7
CWII-5	-2.2	-2.4	-2.2	-2.6	-3.5	-2.9	-3.0	-3.1	-2.8	-2.4	-1.6	-2.5	-1.6	-1.9	-1.1	-1.0	-0.2	-3.5	-2.7
CWII-6	-1.6	-1.5	-1.5	-1.3	-0.2	-2.0	-1.2	-2.2	-1.6	-1.7	-1.2	0.0	-1.6	-1.6	-0.7	-0.8	NA	0.0	-1.6
CWII-7	-1.2	-1.1	-1.2	-1.1	-0.3	-1.5	-1.2	-1.7	-1.2	-1.3	-0.9	0.0	-1.2	-1.1	-0.7	-0.6	-0.2	0.0	-1.2
CWII-8	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0
CWII-9	-0.2	-0.9	-0.9	-0.9	-0.6	-1.1	-0.2	-0.2	-0.9	-0.9	-0.6	0.0	-0.6	-0.8	-0.6	-0.5	-0.2	0.0	-0.9
NW-1	-2.6	-2.4	-2.5	-2.5	-2.9	-2.8	-3.0	-3.1	-2.7	-2.8	-1.6	-1.9	-1.8	-1.9	-1.1	-1.2	-1.6	-2.9	-2.6
NW-2	-2.8	-1.7	-2.9	-3.1	-3.3	-3.1	-3.4	-3.8	-2.9	-3.2	-2.1	-2.4	-1.7	-2.0	-1.1	-0.8	-1.4	-3.1	-3.4
NW-3	-2.5	-2.0	-2.4	-2.5	-2.8	-2.7	-4.3	-3.1	-2.7	-2.1	-1.8	-2.1	-1.3	-1.8	-1.1	-0.7	-1.0	-2.7	-2.7
NW-4	-2.2	-2.2	-2.3	-2.2	-2.6	-2.4	-3.4	-2.8	-3.1	-2.9	-1.6	-1.9	-1.5	-1.7	-1.0	-1.0	-0.9	-2.3	-2.4
NW-5	-1.8	-1.8	-1.9	-2.0	-2.1	-2.1	-2.5	-2.2	-2.2	-0.9	-1.4	-1.6	-1.2	-1.5	-0.8	-0.6	-1.2	-2.1	-2.0
NW-6	-1.8	-1.8	-1.9	-2.2	-2.2	-2.1	-2.4	-2.4	-2.1	-2.1	-1.3	-1.6	-1.2	-1.4	-0.9	-0.7	-1.3	-2.3	-2.0
Ext-1	-0.1	0.0	0.0	-0.1	-0.1	-2.1	-0.1	-0.1	0.0	-0.1	0.0	-0.1	-1.1	0.0	0.0	-0.1	-0.4	0.0	-0.1
Ext-2	-0.7	-0.8	-0.7	-0.7	-0.9	-0.9	-1.0	-1.0	-0.9	-2.2	-0.9	-0.7	-1.0	-0.5	-0.5	-0.4	-0.7	-0.9	-0.8
Ext-3	-2.1	-2.0	-1.9	-1.9	-2.3	-2.2	-2.6	-2.7	-2.2	-2.2	-1.6	-1.7	-0.6	-1.4	-0.9	-0.7	-0.3	-2.1	-2.0
Ext-4	-1.9	-1.9	-2.2	-1.9	-2.2	-2.1	-2.4	-2.3	-1.9	-2.0	-1.4	-1.1	-1.7	-1.5	-0.9	-0.6	-1.1	-2.0	-1.8
Ext-5	-1.6	-1.5	-1.7	-1.5	-1.9	-1.8	-2.0	-2.1	-1.8	-1.8	-1.1	-0.4	-0.9	-1.2	-0.8	-1.0	-1.4	-1.8	-1.5
N-1	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	-0.3	-0.2	-0.2	-0.1	-0.3	-0.2	-0.2	-0.2	NA	NA	NA	NA	-0.2
N-2	-0.6	-0.5	-0.7	-0.6	-0.6	-0.6	NA	-0.4	-0.6	-0.7	-0.5	-0.5	-0.6	-0.5	-0.3	-0.5	-0.3	-0.7	-0.7
N-3	-0.2	-0.1	-0.2	0.0	-0.2	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.3	-0.1	-0.1	-0.2	-0.1	-0.2	-0.2	-0.1
N-4	-0.1	-0.1	-0.1	0.0	-0.2	-0.1	-0.2	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	NA	-0.2	-0.1
N-5	-0.1	-0.1	-0.2	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	-0.2	-0.1	-0.2	-0.1	NA	-0.2	-0.1
N-6	-0.9	-0.8	-0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-0.8	NA	NA	NA	-0.1	-0.8
BS-1	-5.6	0.3	-4.4	-4.7	-5.1	-4.5	-5.0	-5.2	-4.2	-4.8	-2.8	-3.2	0.1	-3.0	-1.7	-21.7	0.1	-4.1	0.5

Measured in inches of H2O

NA - Not Available

Landfill Gas Control Well Vacuum Data
East Northport Landfill, East Northport, New York
 for period of record between January, 2006 and May, 2010

Well	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10
CWI-4	-2.5	-2.6	-2.6	-2.9	-2.5	-1.8	-2.3	-2.1	-2.0	-0.75	-0.73	NA	-0.98	-0.60	-0.63
CWI-5	-2.7	-1.9	-1.9	-3.3	-2.6	-2.6	-2.4	-2.3	-2.0	-8.60	-1.00	-0.78	-1.13	-0.64	-0.69
CWI-6	-2.8	-2.8	-2.8	-3.3	-2.5	-2.6	-2.4	-2.1	-1.8	-8.70	NA	-0.76	-1.18	-0.57	-0.68
CWI-7	-2.7	-2.0	-2.0	-3.4	-2.5	-2.4	-2.3	NA	NA	NA	NA	NA	NA	NA	NA
CWII-1	0.0	-2.7	-2.7	-3.2	-2.5	-2.3	-2.1	-2.0	-2.1	-2.00	-0.84	-0.71	-1.16	-0.59	-0.63
CWII-2	-2.5	-2.1	-2.1	-3.0	-2.9	-2.2	-2.1	-1.9	-2.0	-1.90	-0.81	-0.68	-1.12	-0.56	-0.59
CWII-3	-2.6	-3.0	-3.0	-3.0	-2.6	-2.4	-2.1	-1.9	-1.8	-1.90	-0.86	-0.69	-1.17	-0.58	-0.60
CWII-4	-2.6	-3.1	-3.1	-4.0	-2.6	-2.0	-2.1	-2.8	-2.5	-2.34	-0.84	-0.68	-0.12	-0.57	-0.58
CWII-5	-2.6	-2.5	-2.5	-3.4	-2.4	-2.2	-2.1	-1.8	-1.6	-1.81	-0.84	-0.68	NA	-0.57	-0.59
CWII-6	-1.9	NA	NA	NA	NA	NA	-1.3	NA	NA	NA	NA	NA	NA	NA	NA
CWII-7	-1.5	-2.2	-2.2	0.0	-1.4	-1.5	-1.2	-1.0	-1.0	-1.11	0.00	-0.35	-0.02	-0.32	-0.32
CWII-8	0.0	-0.2	-0.2	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.20	0.00	0.00	0.00	0.00	0.00
CWII-9	-1.0	-1.0	-1.0	-0.1	-1.0	-1.0	-0.9	-0.6	-0.3	-0.20	-0.03	0.00	-0.02	-2.20	-0.04
NW-1	-2.3	-2.6	-2.6	-2.7	-2.3	-3.4	-2.0	-2.0	-1.8	NA	-0.73	-0.23	-0.97	-0.59	-0.63
NW-2	-2.7	-2.8	-2.8	-2.3	-2.6	-2.6	-2.4	-2.1	-2.0	-0.60	-0.80	-0.42	-1.08	-0.64	-0.70
NW-3	-2.3	-2.2	-2.2	-2.7	-2.3	-2.2	-2.2	0.0	0.0	0.00	-0.72	-0.40	-1.01	-0.58	-0.62
NW-4	-2.1	-2.2	-2.2	-2.5	-2.2	-2.1	-2.0	0.0	-0.1	-0.12	-0.65	-0.50	-0.89	-0.54	-0.55
NW-5	-1.8	-2.1	-2.1	-2.0	-1.8	-1.8	-1.6	0.0	-0.1	-0.70	-0.56	-0.51	-0.74	-0.43	-0.45
NW-6	-1.8	-1.2	-1.2	-2.1	-1.8	-1.9	-1.7	-0.1	0.0	NA	-0.55	-0.39	-0.78	-0.41	-0.46
Ext-1	-0.1	-1.0	-1.0	-0.2	-1.6	-1.7	-0.1	0.0	0.0	-0.06	-0.05	0.00	0.02	0.00	-0.01
Ext-2	-0.8	-0.8	-0.8	-1.0	-1.8	-0.9	-0.7	-0.1	0.0	-0.24	-0.20	-0.20	-0.38	-0.20	-0.21
Ext-3	-1.9	-1.2	-1.2	-2.1	-1.9	-0.1	-1.6	-0.1	-0.1	-0.56	-0.54	-0.49	-0.75	-0.44	-0.46
Ext-4	-1.9	-1.8	-1.8	-2.0	-0.8	-1.7	-1.4	-0.1	-0.1	-0.57	-0.52	-0.43	-0.74	-0.44	-0.45
Ext-5	-1.9	-0.8	-0.8	-1.6	0.0	-1.5	-1.4	-0.1	-0.1	-0.41	-0.46	-0.39	-0.64	-0.39	-0.40
N-1	-0.3	-0.3	-0.3	NA	-0.2	-0.2	-0.1	-0.1	NA	-0.72	-0.09	-0.60	NA	0.00	0.00
N-2	-0.6	-0.6	-0.6	-0.4	-0.4	-0.5	-0.7	-0.4	-0.5	-0.80	-0.07	-0.04	NA	0.00	-0.02
N-3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	-0.73	-0.06	-0.04	-0.08	-0.02	-0.03
N-4	-0.1	-0.2	-0.2	-0.1	-0.2	-0.3	-0.2	0.0	0.0	-0.64	-0.06	NA	-0.07	0.00	-0.02
N-5	-0.1	-0.2	-0.2	-0.1	-1.0	-0.1	-0.1	0.0	0.0	-0.55	-0.06	-0.05	-0.07	0.00	-0.02
N-6	-1.0	-1.2	-1.2	-0.1	-0.2	-1.0	-0.8	NA	NA	-0.53	NA	NA	NA	NA	NA
BS-1	-4.1	-3.9	-3.9	-0.3	-4.0	-5.0	-3.9	-4.0	-3.2	-1.21	-1.35	-1.21	-1.56	-1.00	-0.12

Measured in inches of H2O

NA - Not Available