NEW VENTURES ASSOCIATES, LLC

85 - 87 BOSTON STREET • EVERETT, MA 02149
TEL: (800) 726-6506 • FAX: (617) 387-1597
Email: Crowlanelandfill@verizon.net

FAX TRANSMITTAL

TO: JOHN CARRIGAN

FROM: KRISTINE COFFEY

Company: DEP

Date: 11/25/09

Fax: 978-694-3499

Pages: 13

Phone:

Fax:

RE: Crow Lane Landfill

FILE COPY

Crow Lane Landfill
Collection System Monitoring Report

Time: 7am

Date: 11/24/2009 Barometric Pressure: 30.11 Performed By: Kristine Coffey

Weather: Cloudy Temp: 40

Location	Gas Readings							Wellhead Data			
	CH_4	CO_2	O_2	Balance Gas	H_2S	Temp	CO (Temp > 130°F)	Header Pressure	Well Pressure	Valve Position	Flow
	(%)	(%)	(%)	(%)	(ppm)	(°F)	(ppm)	(inches)	(inches)	(% Open)	(cfm)
FLARE	24.2	29.1	1.2	45.5	200	1560	_	17.5	_	0.5	301
EW1	23.4	30.2	1.2	44.4	4,000	90	_	0.1	0.1	0.5	_
EW2	30.8	28.2	1.4	40.3	6,000	85	_	0.2	0.2	0.5	_
EW3	29.1	30.4	2.0	39.8	8,000	70	_	0.4	0.4	0.5	_
EW4	40.7	22.3	1.8	37.2	2,000	80	_	0.2	0.2	0.5	_
EW5	24.2	40.9	1.5	36.1	9,000	70	_	0.1	0.1	0.5	_
EW6	32.4	28.6	1.1	40.7	5,000	70	_	0.5	0.5	0.5	_
EW7	37.8	26.4	2.1	39.8	4,000	80	_	0.1	0.1	0.5	_
EW8	22.4	43.2	0.8	34.4	3,000	100	_	0.1	0.1	0.5	_
EW9	30.7	24.8	1.4	28.7	1,000	72	_	0.1	0.1	0.5	_
EW10	46.8	20.4	1.2	27.9	2,000	70	_	0.4	0.4	0.5	_
EW11	32.7	28.6	1.3	34.8	1,500	72	_	0.1	0.1	0.5	_
EW12	24.1	43.8	1.3	30.8	4,000	70	_	0.6	0.6	0.5	_
EW13	34.2	27.4	1.6	30.2	2,000	120	_	0.7	0.7	0.5	_
EW14	24.9	32.1	1.4	41.3	1,000	72	—	0.3	0.3	0.5	—
EW15	31.8	29.7	1.1	40.7	2,000	76	—	0.1	0.2	0.5	—
EW16	34.8	26.4	1.2	38.9	1,000	73	—	0.2	0.2	0.5	—

Crow Lane Landfill
H_2S Pretreatment System Monitoring Report

DATE	INLET					OUTLET					Flow Rate
	H_2S GasTec Tube Readings (4HH)					H_2S GasTec Tube Readings (4H)					
	Time	Direct Tube Reading	Pump Strokes (1 or 1/2)	H_2S ppm	System Pressure	Time	Direct Tube Reading	Pump Strokes (1 or 1/2)	H_2S ppm	System Pressure	cfm
11/24/2009	7:00 AM	–	1	TRACE	5.0	7:00 AM	–	1	TRACE	13.0	299.0
	5:00PM	–	1	TRACE	4.0	5:00PM	–	1	TRACE	12.0	300.0

Performed By:_____ Signature: _____ Date: _____

Performed By:_____ Signature: _____ Date: _____

Performed By:_____ Signature: _____ Date: _____

Performed By:_____ Signature: _____ Date: _____

9784625241>>

2009-11-25 12:19

Crow Lane Landfill
Gas System Inspection Report

Time: 7AM x

Date: ########

Weather: CLOUDY

Temp: 40F

By: Kristine Coffey

Location	Well Head Valve:	Well Sampling Ports:	Temperature Guage	Well Head Fittings:	Surface Seals:	Well and Riser Piping:	Flexible Piping:	Isolation Gate Valves:	Main Valve at Flare:	Main Header Sampling Ports:	Pretreatment Unit Piping	Pretreatment Unit Sampling Ports	Condensate Knockout Pot	Propane Tank, Piping and Valves	Flare Controls and Chart Recorder	Comments
	Inspected Gas System Components															
Flare	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Pre-Treat Unit	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Propane Tank	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW1	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW2	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW4	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW9	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW11	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Needs new temp gauge
EW12	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW13	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW 14	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Crow Lane Landfill
Gas System Inspection Report

EW15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EW16	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Crow Lane Landfill
Perimeter and Surface Air Monitoring Report

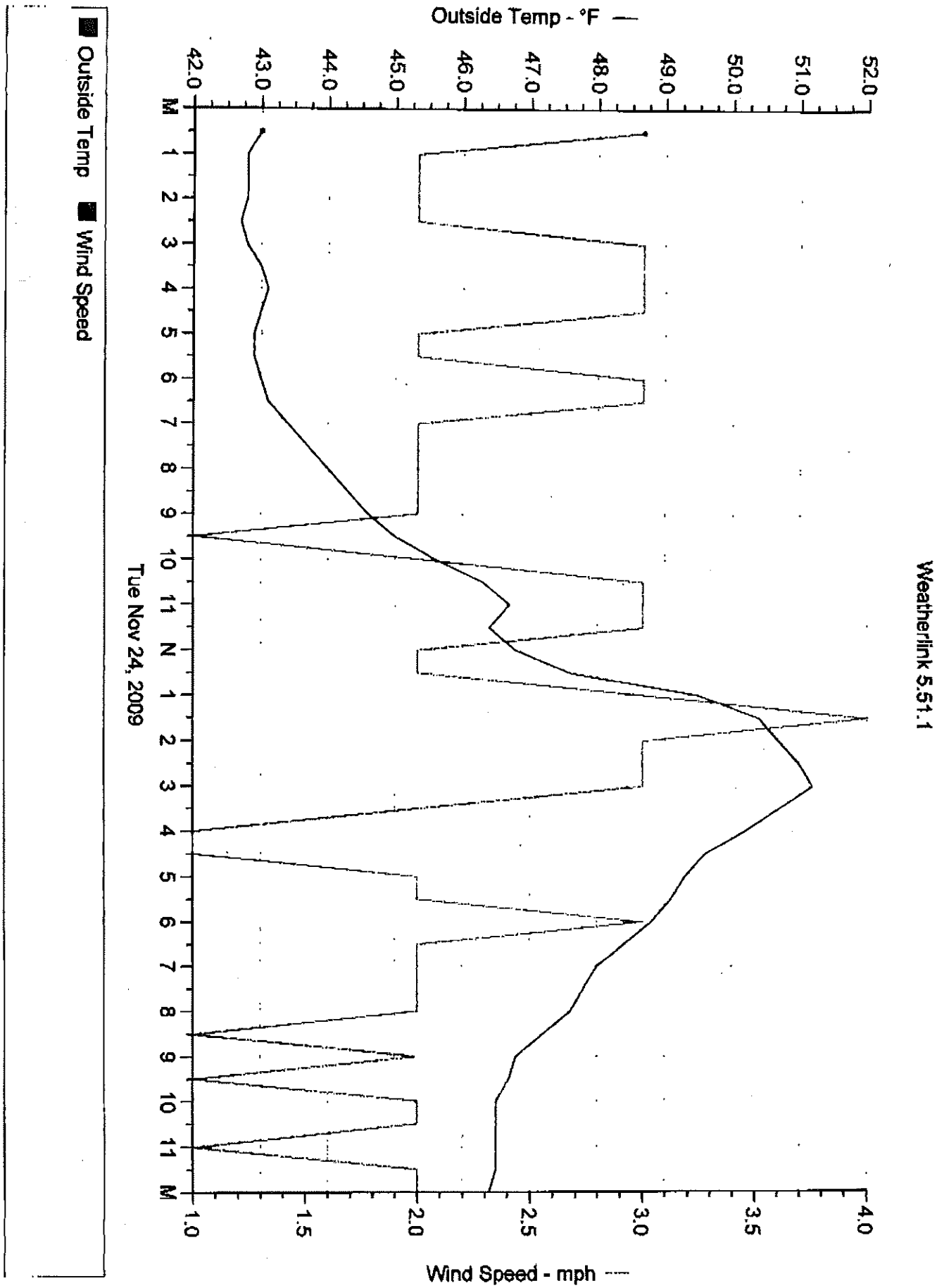
11/24/2009			7AM	Check Times When Survey is Done	
			7pm X	12Midnight	
WEATHER:Cloudy			Survey Performed By: Shawn Schofield		
Perimeter Monitoring Location	Jerome Meter Reading (1)	Jerome Meter Reading (2)	Odor Detected (Y/N)	Odor Intensity (1 - 5)	Comments**
Location #1	0.001	0.000	N	N/A	
Location #2	0.001	0.000	N	N/A	
Location #3	0.000	0.000	N	N/A	
Location #4	0.000	0.000	N	N/A	
Location #5	0.000	0.000	N	N/A	
Location #6	0.001	0.000	N	N/A	
Location #7	0.000	0.000	N	N/A	
Surface Monitoring Locations					
Location #8	0.001	0.001	N	N/A	
Location #9	0.000	0.000	N	N/A	
Location #10	0.000	0.000	N	N/A	
Location #11	0.001	0.001	N	N/A	
Location #12	0.000	0.000	N	N/A	
Location #13	0.001	0.001	N	N/A	

Note: Attached Map Showing Locations and Readings

Crow Lane Landfill
Perimeter and Surface Air Monitoring Report

11/25/2009			7AM	Check Times When Survey Is Done	
			7pm	12Midnight x	
WEATHER:Cloudy			Survey Performed By: Shawn Schofield		
Perimeter Monitoring Location	Jerome Meter Reading (1)	Jerome Meter Reading (2)	Odor Detected (Y/N)	Odor Intensity (1 - 5)	Comments**
Location #1	0.001	0.000	N	N/A	
Location #2	0.001	0.000	N	N/A	
Location #3	0.000	0.000	N	N/A	
Location #4	0.000	0.000	N	N/A	
Location #5	0.001	0.000	N	N/A	
Location #6	0.004	0.000	N	N/A	
Location #7	0.001	0.000	N	N/A	
Surface Monitoring Locations					
Location #8	0.001	0.001	N	N/A	
Location #9	0.000	0.000	N	N/A	
Location #10	0.000	0.000	N	N/A	
Location #11	0.001	0.001	N	N/A	
Location #12	0.000	0.000	N	N/A	
Location #13	0.001	0.001	N	N/A	

Note: Attached Map Showing Locations and Readings


Weatherlink 5.51.1
Outside Temp - °F
52.0
51.0
50.0
49.0
48.0
47.0
46.0
45.0
44.0
43.0
42.0
M 1 2 3 4 5 6 7 8 9 10 11 N 1 2 3 4 5 6 7 8 9 10 11 M
Tue Nov 24, 2009
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Wind Speed - mph
Outside Temp
Wind Speed

Date	Time	Temp Out	Hi Temp	Low Temp	Wind Speed	Wind Dir	Wind Run	Hi Speed	Wind Chill	Heat D-D	Cool D-D	In Temp	Arc. Int.
11/24/09	12:30a	43.0	43.1	42.8	3.0	N	1.50	8.0	41.8	0.458	0.000	74.9	30
11/24/09	1:00a	42.8	42.9	42.7	2.0	N	1.00	10.0	42.8	0.463	0.000	74.7	30
11/24/09	1:30a	42.8	42.9	42.7	2.0	N	1.00	9.0	42.8	0.463	0.000	74.1	30
11/24/09	2:00a	42.8	42.9	42.7	2.0	N	1.00	7.0	42.8	0.463	0.000	73.8	30
11/24/09	2:30a	42.7	42.8	42.7	2.0	N	1.00	8.0	42.7	0.465	0.000	73.3	30
11/24/09	3:00a	42.8	42.9	42.7	3.0	N	1.50	8.0	41.5	0.463	0.000	72.8	30
11/24/09	3:30a	43.0	43.1	42.9	3.0	NNW	1.50	8.0	41.8	0.458	0.000	72.5	30
11/24/09	4:00a	43.1	43.1	43.0	3.0	N	1.50	7.0	41.9	0.456	0.000	72.2	30
11/24/09	4:30a	43.0	43.0	42.9	3.0	N	1.50	8.0	41.8	0.458	0.000	72.1	30
11/24/09	5:00a	42.9	43.0	42.9	2.0	N	1.00	8.0	42.9	0.460	0.000	71.8	30
11/24/09	5:30a	42.9	43.0	42.9	2.0	N	1.00	7.0	42.9	0.460	0.000	72.0	30
11/24/09	6:00a	43.0	43.0	42.9	3.0	N	1.50	9.0	41.8	0.458	0.000	72.1	30
11/24/09	6:30a	43.1	43.3	43.0	3.0	N	1.50	8.0	41.9	0.456	0.000	71.7	30
11/24/09	7:00a	43.4	43.5	43.3	2.0	NNW	1.00	6.0	43.4	0.450	0.000	71.7	30
11/24/09	7:30a	43.7	43.9	43.5	2.0	NNW	1.00	8.0	43.7	0.444	0.000	71.8	30
11/24/09	8:00a	44.0	44.1	43.8	2.0	N	1.00	8.0	44.0	0.438	0.000	71.2	30
11/24/09	8:30a	44.3	44.4	44.1	2.0	N	1.00	7.0	44.3	0.431	0.000	71.1	30
11/24/09	9:00a	44.6	44.9	44.3	2.0	WNW	1.00	9.0	44.6	0.425	0.000	71.5	30
11/24/09	9:30a	45.0	45.5	44.7	1.0	NW	0.50	5.0	45.0	0.417	0.000	71.7	30
11/24/09	10:00a	45.6	46.2	45.3	2.0	NW	1.00	7.0	45.6	0.404	0.000	71.5	30
11/24/09	10:30a	46.3	47.0	46.0	3.0	NW	1.50	10.0	45.5	0.390	0.000	71.4	30
11/24/09	11:00a	46.7	47.1	46.4	3.0	WNW	1.50	9.0	45.9	0.381	0.000	71.3	30
11/24/09	11:30a	46.4	47.1	46.0	3.0	WNW	1.50	10.0	45.6	0.387	0.000	71.3	30
11/24/09	12:00p	46.8	47.1	46.3	2.0	NW	1.00	9.0	46.8	0.379	0.000	71.3	30
11/24/09	12:30p	47.6	48.3	46.6	2.0	N	1.00	9.0	47.6	0.363	0.000	71.4	30
11/24/09	1:00p	49.5	50.6	48.2	3.0	NW	1.50	10.0	49.1	0.323	0.000	71.9	30
11/24/09	1:30p	50.4	51.3	49.6	4.0	WNW	2.00	11.0	49.3	0.304	0.000	72.4	30
11/24/09	2:00p	50.7	51.5	50.3	3.0	WNW	1.50	11.0	50.5	0.298	0.000	72.4	30
11/24/09	2:30p	51.0	51.5	50.6	3.0	WNW	1.50	12.0	50.8	0.292	0.000	72.2	30
11/24/09	3:00p	51.2	51.5	50.7	3.0	NNW	1.50	11.0	51.0	0.287	0.000	72.6	30
11/24/09	3:30p	50.7	51.0	50.6	2.0	NNW	1.00	8.0	50.7	0.298	0.000	72.5	30
11/24/09	4:00p	50.2	50.6	49.9	1.0	NNW	0.50	6.0	50.2	0.308	0.000	72.5	30
11/24/09	4:30p	49.6	49.9	49.3	1.0	NNW	0.50	5.0	49.6	0.321	0.000	72.7	30
11/24/09	5:00p	49.3	49.5	49.1	2.0	NNW	1.00	7.0	49.3	0.327	0.000	72.6	30
11/24/09	5:30p	49.1	49.2	48.9	2.0	WNW	1.00	8.0	49.1	0.331	0.000	71.4	30
11/24/09	6:00p	48.8	48.9	48.7	3.0	NW	1.50	11.0	48.3	0.338	0.000	71.6	30
11/24/09	6:30p	48.4	48.8	48.2	2.0	WNW	1.00	8.0	48.4	0.346	0.000	71.9	30
11/24/09	7:00p	48.0	48.2	47.8	2.0	NW	1.00	9.0	48.0	0.354	0.000	72.0	30
11/24/09	7:30p	47.8	48.0	47.7	2.0	WNW	1.00	9.0	47.8	0.358	0.000	72.1	30
11/24/09	8:00p	47.6	47.8	47.4	2.0	NNW	1.00	7.0	47.6	0.363	0.000	72.2	30
11/24/09	8:30p	47.2	47.4	47.0	1.0	WSW	0.50	7.0	47.2	0.371	0.000	71.9	30
11/24/09	9:00p	46.8	47.1	46.6	2.0	WNW	1.00	8.0	46.8	0.379	0.000	72.2	30
11/24/09	9:30p	46.7	46.9	46.5	1.0	NW	0.50	6.0	46.7	0.381	0.000	72.6	30
11/24/09	10:00p	46.5	46.6	46.4	2.0	WNW	1.00	6.0	46.5	0.385	0.000	72.7	30
11/24/09	10:30p	46.5	46.6	46.4	2.0	WNW	1.00	7.0	46.5	0.385	0.000	72.9	30
11/24/09	11:00p	46.5	46.6	46.5	1.0	W	0.50	7.0	46.5	0.385	0.000	73.1	30
11/24/09	11:30p	46.5	46.5	46.4	2.0	W	1.00	9.0	46.5	0.385	0.000	73.3	30
11/25/09	12:00a	46.4	46.5	46.3	2.0	W	1.00	7.0	46.4	0.387	0.000	73.8	30

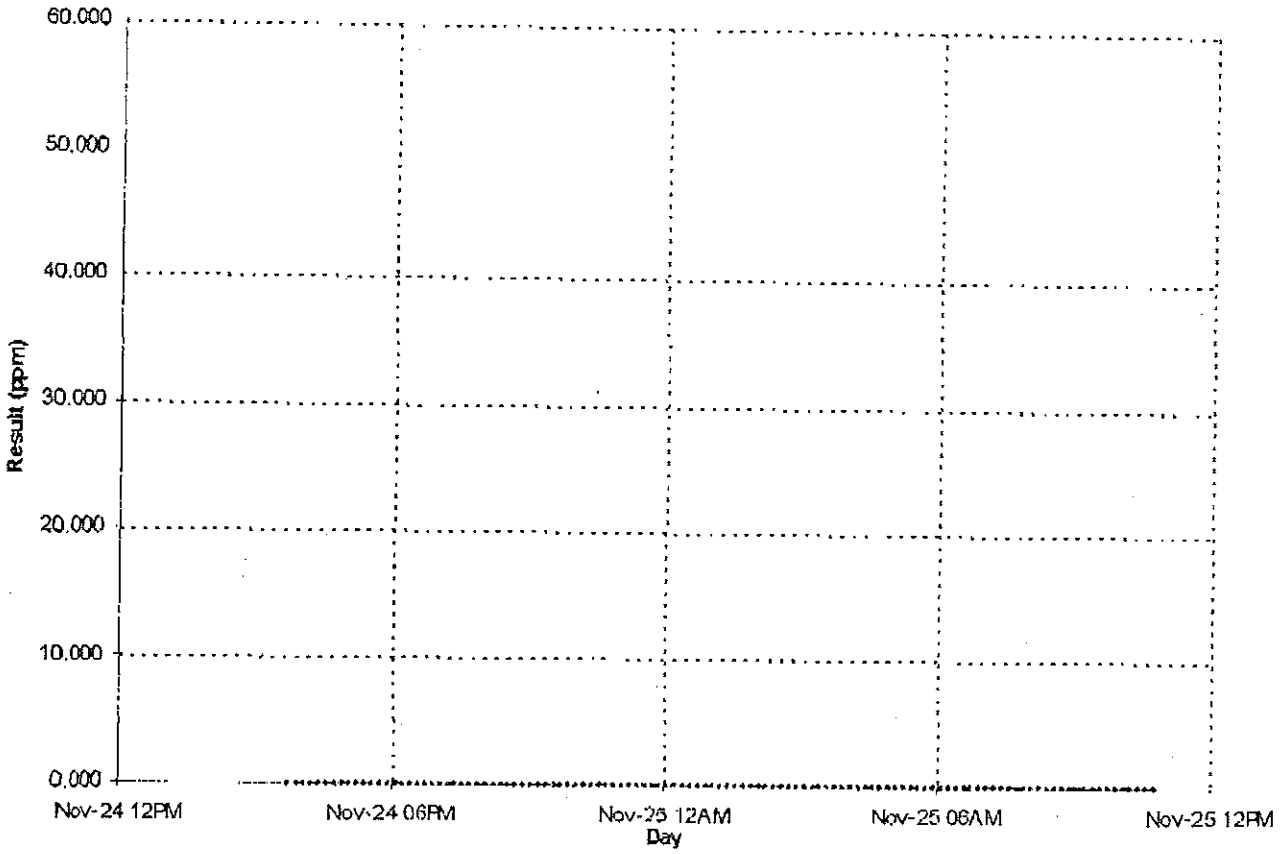
Site Name: New Ventures
Address: 20 Crow Lane
Newburyport, MA 01950

Sample Location: Charmanski Drive
Technician: Megan Thibeault
Instrument: Richard, 631-X, SN SN 1526
Comment:
Date/Time: Nov-25-2009 10:57am
Alarm Setpoint: 50 (ppm)

	DATE/TIME	RESULT (ppm)
1	Nov-24-2009 3:44:20pm	.001
2	Nov-24-2009 3:54:50pm	001
3	Nov-24-2009 4:04:50pm	.001
4	Nov-24-2009 4:14:50pm	.001
5	Nov-24-2009 4:24:50pm	.001
6	Nov-24-2009 4:34:50pm	.002
7	Nov-24-2009 4:44:50pm	.002
8	Nov-24-2009 4:54:50pm	.001
9	Nov-24-2009 5:04:49pm	.001
10	Nov-24-2009 5:14:49pm	.001
11	Nov-24-2009 5:24:49pm	.001
12	Nov-24-2009 5:34:49pm	.001
13	Nov-24-2009 5:44:49pm	.001
14	Nov-24-2009 5:54:49pm	.001
15	Nov-24-2009 6:04:49pm	.001
16	Nov-24-2009 6:14:48pm	.000
17	Nov-24-2009 6:24:48pm	.000
18	Nov-24-2009 6:34:48pm	.001
19	Nov-24-2009 6:44:48pm	.000
20	Nov-24-2009 6:54:48pm	.000
21	Nov-24-2009 7:04:48pm	.000
22	Nov-24-2009 7:14:48pm	.000
23	Nov-24-2009 7:24:47pm	000
24	Nov-24-2009 7:34:47pm	.000
25	Nov-24-2009 7:44:47pm	.000
26	Nov-24-2009 7:54:47pm	.000
27	Nov-24-2009 8:04:47pm	.000
28	Nov-24-2009 8:14:47pm	000
29	Nov-24-2009 8:24:47pm	.000
30	Nov-24-2009 8:34:46pm	.000
31	Nov-24-2009 8:44:46pm	.000
32	Nov-24-2009 8:54:46pm	.000
33	Nov-24-2009 9:04:46pm	.000
34	Nov-24-2009 9:14:46pm	000
35	Nov-24-2009 9:24:46pm	.000
36	Nov-24-2009 9:34:46pm	000
37	Nov-24-2009 9:44:46pm	.000
38	Nov-24-2009 9:54:45pm	.000
39	Nov-24-2009 10:04:45pm	.000
40	Nov-24-2009 10:14:45pm	.000
41	Nov-24-2009 10:24:45pm	.000
42	Nov-24-2009 10:34:45pm	000
43	Nov-24-2009 10:44:45pm	.000
44	Nov-24-2009 10:54:45pm	.000
45	Nov-24-2009 11:04:44pm	.000
46	Nov-24-2009 11:14:44pm	.000
47	Nov-24-2009 11:24:44pm	.000
48	Nov-24-2009 11:34:44pm	.000
49	Nov-24-2009 11:44:44pm	.000

	DATE/TIME	RESULT (ppm)
50	Nov-24-2009 11:54:44pm	.000
51	Nov-25-2009 12:04:44am	.000
52	Nov-25-2009 12:14:43am	.000
53	Nov-25-2009 12:24:43am	.000
54	Nov-25-2009 12:34:43am	.000
55	Nov-25-2009 12:44:43am	.000
56	Nov-25-2009 12:54:43am	.000
57	Nov-25-2009 1:04:43am	.000
58	Nov-25-2009 1:14:43am	.000
59	Nov-25-2009 1:24:42am	.000
60	Nov-25-2009 1:34:42am	.000
61	Nov-25-2009 1:44:42am	.000
62	Nov-25-2009 1:54:42am	.000
63	Nov-25-2009 2:04:42am	.000
64	Nov-25-2009 2:14:42am	.000
65	Nov-25-2009 2:24:42am	.000
66	Nov-25-2009 2:34:41am	.000
67	Nov-25-2009 2:44:41am	.000
68	Nov-25-2009 2:54:41am	.000
69	Nov-25-2009 3:04:41am	.000
70	Nov-25-2009 3:14:41am	.000
71	Nov-25-2009 3:24:41am	.000
72	Nov-25-2009 3:34:41am	.000
73	Nov-25-2009 3:44:41am	.000
74	Nov-25-2009 3:54:40am	.000
75	Nov-25-2009 4:04:40am	.000
76	Nov-25-2009 4:14:40am	.000
77	Nov-25-2009 4:24:40am	.000
78	Nov-25-2009 4:34:40am	.000
79	Nov-25-2009 4:44:40am	.000
80	Nov-25-2009 4:54:40am	.000
81	Nov-25-2009 5:04:39am	.000
82	Nov-25-2009 5:14:39am	.000
83	Nov-25-2009 5:24:39am	.000
84	Nov-25-2009 5:34:39am	.000
85	Nov-25-2009 5:44:39am	.000
86	Nov-25-2009 5:54:39am	.000
87	Nov-25-2009 6:04:39am	.000
88	Nov-25-2009 6:14:38am	.000
89	Nov-25-2009 6:24:38am	.000
90	Nov-25-2009 6:34:38am	.000
91	Nov-25-2009 6:44:38am	.000
92	Nov-25-2009 6:54:38am	.000
93	Nov-25-2009 7:04:38am	.000
94	Nov-25-2009 7:14:38am	.000
95	Nov-25-2009 7:24:37am	.001
96	Nov-25-2009 7:34:37am	.000
97	Nov-25-2009 7:44:37am	.000
98	Nov-25-2009 7:54:37am	.001
99	Nov-25-2009 8:04:37am	.000
100	Nov-25-2009 8:14:37am	.001
101	Nov-25-2009 8:24:37am	.000
102	Nov-25-2009 8:34:36am	.000
103	Nov-25-2009 8:44:36am	.001
104	Nov-25-2009 8:54:36am	.000
105	Nov-25-2009 9:04:36am	.001
106	Nov-25-2009 9:14:36am	.000
107	Nov-25-2009 9:24:36am	.000
108	Nov-25-2009 9:34:36am	.000

	DATE/TIME	RESULT (ppm)
109	Nov-25-2009 9:44:36am	000
110	Nov-25-2009 9:54:35am	.000
111	Nov-25-2009 10:04:35am	.000
112	Nov-25-2009 10:14:35am	.000
113	Nov-25-2009 10:24:35am	000
114	Nov-25-2009 10:34:35am	.000
115	Nov-25-2009 10:44:35am	000
	Readings:	115
	Minimum:	0
	Maximum:	0.002
	Average:	0.000
	SD:	0.0004

Site Name: New Ventures
Address: 20 Crow Lane
Newburyport, MA 01950

Sample Location: Charmanski Drive
Technician: Megan Thibeault
Instrument: Richard, 631-X, SN SN 1525
Comment:
Date/Time: Nov-25-2009 10:57am
Alarm Setpoint: 50 (ppm)