NEW VENTURES ASSOCIATES, LLC

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FAX TRANSMITTAL

TO: JOHN CARRIGAN

FROM: KRISTINE COFFEY

Company: DEP

Date: 10/22/09

Fax:

Pages: 11

Phone:

Fax:

RE: Crow Lane Landfill

Crow Lane Landfill
H_2S Pretreatment System Monitoring Report

DATE	INLET					OUTLET					Flow Rate cfm
	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	
10/21/2009	7:00 AM	–	1	20,000	4.5	7:00 AM	–	1	Trace	12.0	178.4
	5:00PM	–	1	20,000	4.5	5:00PM	–	1	Trace	12.0	158.6

Performed By:_____ Signature: _____ Date: _____

Performed By:_____ Signature: _____ Date: _____

Performed By:_____ Signature: _____ Date: _____

Performed By:_____ Signature: _____ Date: _____

Crow Lane Landfill
Perimeter and Surface Air Monitoring Report

DATE:10/21/09			7Am x	Check Times When Survey Is Done	
			7PM ____	12Midnight 12:00 AM	
WEATHER:SUNNY			Survey Performed By: Kristine Coffey		
Perimeter Monitoring Location	Jerome Meter Reading (1)	Jerome Meter Reading (2)	Odor Detected (Y/N)	Odor Intensity (1 - 5)	Comments""
Location #1	0.001	0.001	N	N/A	
Location #2	0.000	0.000	N	N/A	
Location #3	0.001	0.001	N	N/A	
Location #4	0.000	0.000	N	N/A	
Location #5	0.001	0.001	N	N/A	
Location #6	0.000	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
Collection System Monitoring Report

Time: 7am

Date: 10/21/2009 Barometric Pressure: 30 Performed By: Kristine Coffey

Weather: Sunny Temp: 60F

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	18.5	32	6.2	41.1	Trace	1640	—	12.0	—	0.5	210
EW1	36.9	49.5	1.2	12.6	1,000	90	—	1.0	1.0	0.5	—
EW2	34.5	30.2	17.1	78	4,000	68	—	1	1	1	—
EW3	52.4	27.5	2.3	18.1	8,000	78	—	1.0	1.0	0.5	—
EW4	37.6	28.2	0.8	33.4	4,000	80	—	1.0	1.0	0.5	—
EW5	49.4	30.4	7.0	19.5	4,000	70	—	1.0	1.0	0.5	—
EW6	21.7	18.9	4.0	55.7	4,000	62	—	1.0	1.0	0.5	—
EW7	35.1	30.1	2.1	32.3	4,000	88	—	1.0	1	0.5	—
EW8	26.2	27.4	1.8	44.6	4,000	74	—	1.0	1.0	0.5	—
EW9	54.2	31.3	0.7	13.9	1,000	62	—	1.0	1.0	0.5	—
EW10	53.8	31.4	0.4	14.4	2,000	70	—	1.0	1.0	0.5	—
EW11	21.9	25.9	2.7	42.4	1,500	64	—	1	1.0	0.5	—
EW12	46.2	32.1	1.4	20.5	3,000	72	—	1	1.0	0.5	—
EW13	43.6	30.6	2.3	22.2	5,000	80	—	1.0	1.0	0.5	—
EW14	30.6	23.4	3.2	40.4	40,000	76	—	1.0	1.0	0.5	—
EW15	48.1	22.4	3.4	41.3	40,000	80	—	1.0	1.0	0.5	—
EW16	21.4	42.7	4.2	41.6	40,000	80	—	1.0	1.0	0.5	—

Crow Lane Landfill
Gas System Inspection Report

Time: 7AM x

Date: ########

Weather: Sunny

Temp: 68F

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	Needs New handle
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	

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: Oct-22-2009 9:36am
Alarm Setpoint: 50 (ppm)

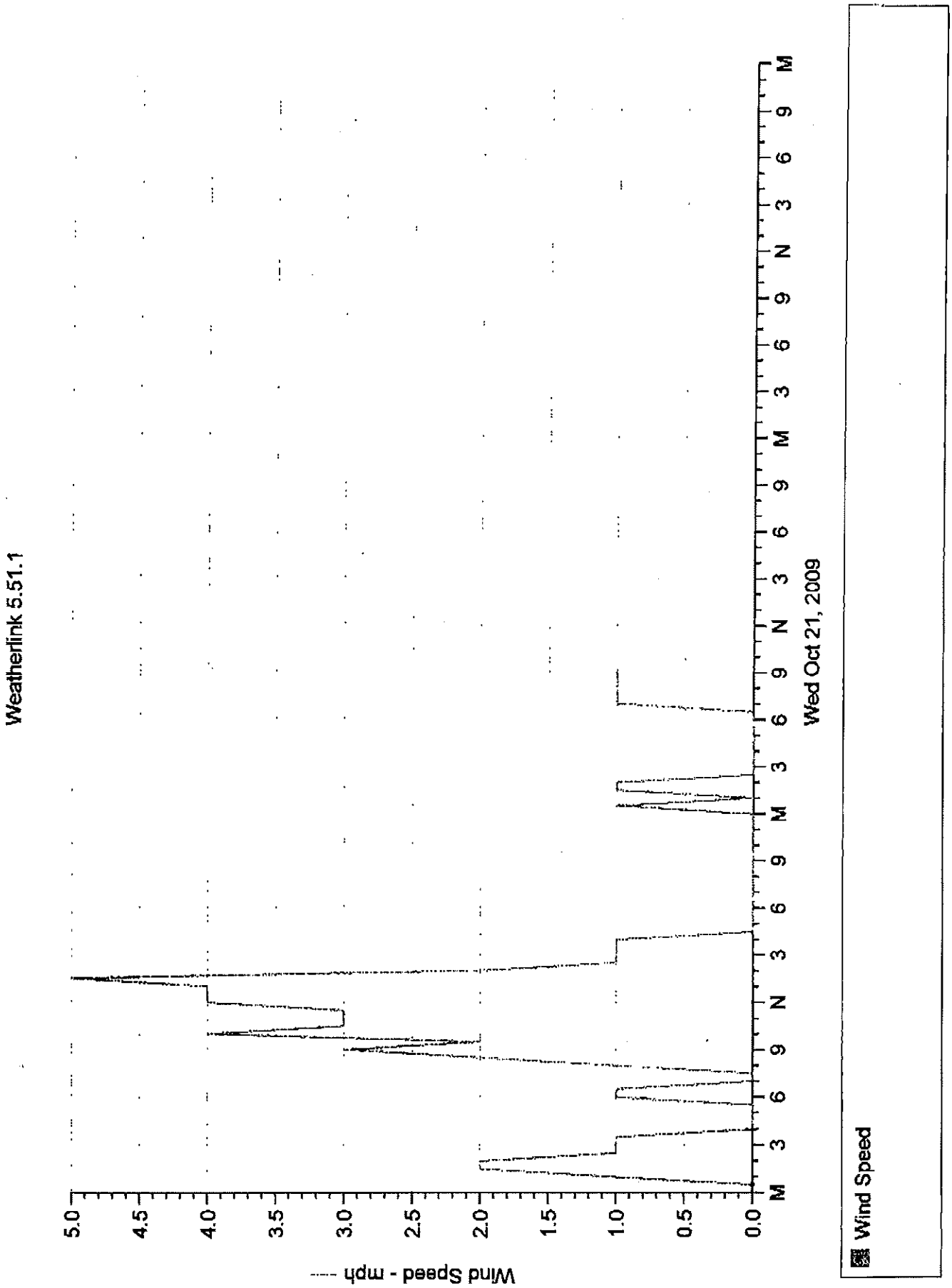
	DATE/TIME	RESULT (ppm)	
1	Oct-21-2009 11:06:17am	.002	
2	Oct-21-2009 11:16.47am	.001	
3	Oct-21-2009 11:26:47am	.002	
4	Oct-21-2009 11:36:47am	.002	
5	Oct-21-2009 11:46:47am	.002	
6	Oct-21-2009 11:56.47am	.002	
7	Oct-21-2009 12:06:47pm	.002	
8	Oct-21-2009 12:16:46pm	.002	
9	Oct-21-2009 12:26:46pm	.002	
10	Oct-21-2009 12:36:46pm	.002	
11	Oct-21-2009 12:46.46pm	.002	
12	Oct-21-2009 12:56:43pm	/888	Sensor Saturated
13	Oct-21-2009 1:06:16pm	/HHH	Regen In Progress
14	Oct-21-2009 1.16:16pm	/HHH	Regen In Progress
15	Oct-21-2009 1:26:16pm	/HHH	Regen In Progress
16	Oct-21-2009 1:36:45pm	.001	
17	Oct-21-2009 1:46:45pm	.001	
18	Oct-21-2009 1:56:45pm	.002	
19	Oct-21-2009 2:06:45pm	.002	
20	Oct-21-2009 2:16:45pm	.001	
21	Oct-21-2009 2:26:45pm	.002	
22	Oct-21-2009 2:36:44pm	.001	
23	Oct-21-2009 2:46:44pm	002	
24	Oct-21-2009 2:56:44pm	.001	
25	Oct-21-2009 3.06:44pm	.001	
26	Oct-21-2009 3:16:44pm	.001	
27	Oct-21-2009 3:26:44pm	.001	
28	Oct-21-2009 3:36:44pm	.001	
29	Oct-21-2009 3:46:43pm	.001	
30	Oct-21-2009 3:56:43pm	.001	
31	Oct-21-2009 4.06:43pm	.001	
32	Oct-21-2009 4:16:43pm	.002	
33	Oct-21-2009 4:26:43pm	.001	
34	Oct-21-2009 4:36:43pm	000	
35	Oct-21-2009 4:46:43pm	.001	
36	Oct-21-2009 4:56:43pm	.001	
37	Oct-21-2009 5:06:42pm	.001	
38	Oct-21-2009 5:16:42pm	.001	
39	Oct-21-2009 5:26:42pm	.000	
40	Oct-21-2009 5:36:42pm	.001	
41	Oct-21-2009 5.46.42pm	.001	
42	Oct-21-2009 5:56 42pm	001	
43	Oct-21-2009 6:06:42pm	.000	
44	Oct-21-2009 6:16:41pm	.001	
45	Oct-21-2009 6:26:41pm	.000	
46	Oct-21-2009 6:36:41pm	.000	
47	Oct-21-2009 6:46:41pm	.001	
48	Oct-21-2009 6:56.41pm	.001	
49	Oct 21-2009 7:06:41pm	.000	

	DATE/TIME	RESULT (ppm)
50	Oct-21-2009 7:16:41pm	.000
51	Oct-21-2009 7:26:40pm	.000
52	Oct-21-2009 7:36:40pm	.000
53	Oct-21-2009 7:46:40pm	.000
54	Oct-21-2009 7:56:40pm	.000
55	Oct-21-2009 8:06:40pm	.000
56	Oct-21-2009 8:16:40pm	.000
57	Oct-21-2009 8:26:40pm	.001
58	Oct-21-2009 8:36:39pm	.001
59	Oct-21-2009 8:46:39pm	.001
60	Oct-21-2009 8:56:39pm	.000
61	Oct-21-2009 9:06:39pm	.000
62	Oct-21-2009 9:16:39pm	.000
63	Oct-21-2009 9:26:39pm	000
64	Oct-21-2009 9:36:39pm	.000
65	Oct-21-2009 9:46:39pm	.000
66	Oct-21-2009 9:56:38pm	.000
67	Oct-21-2009 10:06:38pm	.001
68	Oct-21-2009 10:16:38pm	.000
69	Oct-21-2009 10:26:38pm	.000
70	Oct-21-2009 10:36:38pm	.000
71	Oct-21-2009 10:46:38pm	.001
72	Oct-21-2009 10:56:38pm	.000
73	Oct-21-2009 11:06:37pm	.000
74	Oct-21-2009 11:16:37pm	.000
75	Oct-21-2009 11:26:37pm	.000
76	Oct-21-2009 11:36:37pm	.000
77	Oct-21-2009 11:46:37pm	000
78	Oct-21-2009 11:56:37pm	.000
79	Oct-22-2009 12:06:37am	.000
80	Oct-22-2009 12:16:36am	.001
81	Oct-22-2009 12:26:36am	.000
82	Oct-22-2009 12:36:36am	001
83	Oct-22-2009 12:46:36am	.001
84	Oct-22-2009 12:56:36am	.001
85	Oct-22-2009 1:06:36am	.001
86	Oct-22-2009 1:16:36am	.002
87	Oct-22-2009 1:26:36am	.002
88	Oct-22-2009 1:36:35am	.001
89	Oct-22-2009 1:46:35am	.002
90	Oct-22-2009 1:56:35am	.001
91	Oct-22-2009 2:06:35am	.001
92	Oct-22-2009 2:16:35am	.002
93	Oct-22-2009 2:26:35am	.000
94	Oct-22-2009 2:36:35am	001
95	Oct-22-2009 2:46:34am	.001
96	Oct-22-2009 2:56:34am	.001
97	Oct-22-2009 3:06:34am	.001
98	Oct-22-2009 3:16:34am	.001
99	Oct-22-2009 3:26:34am	.001
100	Oct-22-2009 3:36:34am	000
101	Oct-22-2009 3:46:34am	.001
102	Oct-22-2009 3:56:33am	.001
103	Oct-22-2009 4:06:33am	.000
104	Oct-22-2009 4:16:33am	.000
105	Oct-22-2009 4:26:33am	.000
106	Oct-22-2009 4:36:33am	.000
107	Oct-22-2009 4:46:33am	.000
108	Oct-22-2009 4:56:33am	.000

	DATE/TIME	RESULT (ppm)
109	Oct-22-2009 5:06:32am	.000
110	Oct-22-2009 5:16:32am	.001
111	Oct-22-2009 5:26:32am	.000
112	Oct-22-2009 5:36:32am	.000
113	Oct-22-2009 5:46:32am	.000
114	Oct-22-2009 5:56:32am	.000
115	Oct-22-2009 6:06:32am	.001
116	Oct-22-2009 6:16:32am	.001
117	Oct-22-2009 6:26:31am	.001
118	Oct-22-2009 6:36:31am	.000
119	Oct-22-2009 6:46:31am	.000
120	Oct-22-2009 6:56:31am	.000
121	Oct-22-2009 7:06:31am	.000
122	Oct-22-2009 7:16:31am	001
123	Oct-22-2009 7:26:31am	.001
124	Oct-22-2009 7:36:30am	.000
125	Oct-22-2009 7:46:30am	.001
126	Oct-22-2009 7:56:30am	.000
127	Oct-22-2009 8:06:30am	.002
128	Oct-22-2009 8:16:30am	.002
129	Oct-22-2009 8:26:30am	.001
130	Oct-22-2009 8:36:30am	.002
131	Oct-22-2009 8:46:29am	.003
132	Oct-22-2009 8:56:29am	.003
133	Oct-22-2009 9:06:29am	.004
134	Oct-22-2009 9:16:29am	.006
135	Oct-22-2009 9:26:29am	.006
	Readings:	131
	Minimum:	0
	Maximum:	0.006
	Average:	0.001
	SD:	0.0010

Weatherlink 5.51.1 10/21/09

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.
10/21/09	12:30a	46.4	47.9	45.5	0.0	WSW	0.00	3.0	46.4	0.387	0.000	78.3	30
10/21/09	1:00a	47.5	48.9	46.1	1.0	WSW	0.50	4.0	47.5	0.365	0.000	78.1	30
10/21/09	1:30a	49.6	50.6	48.7	2.0	WSW	1.00	7.0	49.6	0.321	0.000	78.5	30
10/21/09	2:00a	50.3	50.8	49.8	2.0	WNW	1.00	5.0	50.3	0.306	0.000	78.6	30
10/21/09	2:30a	49.0	50.0	48.2	1.0	W	0.50	4.0	49.0	0.333	0.000	78.5	30
10/21/09	3:00a	48.1	48.4	47.7	1.0	W	0.50	4.0	48.1	0.352	0.000	78.1	30
10/21/09	3:30a	48.3	48.6	47.8	1.0	W	0.50	5.0	48.3	0.348	0.000	78.4	30
10/21/09	4:00a	46.3	48.0	45.4	0.0	W	0.00	2.0	46.3	0.390	0.000	78.4	30
10/21/09	4:30a	44.5	45.4	43.9	0.0	W	0.00	3.0	44.5	0.427	0.000	77.2	30
10/21/09	5:00a	43.9	44.7	42.5	0.0	W	0.00	3.0	43.9	0.440	0.000	76.7	30
10/21/09	5:30a	42.9	43.5	42.4	0.0	W	0.00	2.0	42.9	0.460	0.000	76.9	30
10/21/09	6:00a	44.1	44.9	43.5	1.0	W	0.50	3.0	44.1	0.435	0.000	76.2	30
10/21/09	6:30a	44.9	45.5	44.5	1.0	W	0.50	4.0	44.9	0.419	0.000	76.3	30
10/21/09	7:00a	45.3	45.6	45.0	0.0	W	0.00	2.0	45.3	0.410	0.000	76.0	30
10/21/09	7:30a	45.1	45.8	44.7	0.0	W	0.00	2.0	45.1	0.415	0.000	75.4	30
10/21/09	8:00a	47.4	49.1	45.7	1.0	W	0.50	5.0	47.4	0.367	0.000	75.0	30
10/21/09	8:30a	50.0	51.4	49.1	2.0	W	1.00	6.0	50.0	0.313	0.000	74.7	30
10/21/09	9:00a	51.7	52.2	51.4	3.0	W	1.50	6.0	51.6	0.277	0.000	75.4	30
10/21/09	9:30a	53.5	55.2	52.1	2.0	W	1.00	7.0	53.5	0.240	0.000	76.7	30
10/21/09	10:00a	56.2	56.9	55.2	4.0	WNW	2.00	9.0	56.0	0.183	0.000	77.6	30
10/21/09	10:30a	57.1	58.1	56.1	3.0	SW	1.50	7.0	57.1	0.165	0.000	78.2	30
10/21/09	11:00a	59.3	60.2	58.2	3.0	NW	1.50	8.0	59.3	0.119	0.000	79.4	30
10/21/09	11:30a	61.2	62.5	59.9	3.0	NW	1.50	9.0	61.2	0.079	0.000	80.7	30
10/21/09	12:00p	62.4	63.4	61.9	4.0	NW	2.00	11.0	62.4	0.054	0.000	82.1	30
10/21/09	12:30p	63.4	64.4	62.9	4.0	NNW	2.00	9.0	63.4	0.033	0.000	83.4	30
10/21/09	1:00p	64.1	64.8	63.6	4.0	NW	2.00	11.0	64.1	0.019	0.000	84.1	30
10/21/09	1:30p	65.2	65.9	64.4	5.0	NNW	2.50	16.0	65.2	0.000	0.004	84.3	30
10/21/09	2:00p	63.6	65.8	62.0	2.0	E	1.00	11.0	63.6	0.029	0.000	82.3	30
10/21/09	2:30p	62.5	62.9	62.1	1.0	WSW	0.50	4.0	62.5	0.052	0.000	79.9	30
10/21/09	3:00p	63.6	64.1	62.4	1.0	E	0.50	3.0	63.6	0.029	0.000	77.7	30
10/21/09	3:30p	61.7	62.4	61.2	1.0	E	0.50	4.0	61.7	0.069	0.000	75.4	30
10/21/09	4:00p	60.5	61.6	59.7	1.0	E	0.50	4.0	60.5	0.094	0.000	73.7	30
10/21/09	4:30p	59.4	60.0	59.1	0.0	SE	0.00	2.0	59.4	0.117	0.000	75.0	30
10/21/09	5:00p	58.0	59.1	57.3	0.0	SE	0.00	2.0	58.0	0.146	0.000	76.3	30
10/21/09	5:30p	56.7	57.3	56.2	0.0	SE	0.00	2.0	56.7	0.173	0.000	76.8	30
10/21/09	6:00p	55.6	56.2	55.0	0.0	---	0.00	0.0	55.6	0.196	0.000	77.1	30
10/21/09	6:30p	54.7	55.0	54.4	0.0	---	0.00	1.0	54.7	0.215	0.000	77.2	30
10/21/09	7:00p	54.2	54.4	54.0	0.0	---	0.00	0.0	54.2	0.225	0.000	76.9	30
10/21/09	7:30p	53.9	54.0	53.7	0.0	---	0.00	0.0	53.9	0.231	0.000	76.8	30
10/21/09	8:00p	53.4	53.7	53.1	0.0	SE	0.00	3.0	53.4	0.242	0.000	77.7	30
10/21/09	8:30p	52.9	53.1	52.7	0.0	N	0.00	3.0	52.9	0.252	0.000	78.2	30
10/21/09	9:00p	51.8	52.7	50.4	0.0	---	0.00	0.0	51.8	0.275	0.000	78.5	30
10/21/09	9:30p	49.4	50.4	48.6	0.0	N	0.00	2.0	49.4	0.325	0.000	78.9	30
10/21/09	10:00p	49.1	49.6	48.5	0.0	N	0.00	2.0	49.1	0.331	0.000	79.0	30
10/21/09	10:30p	49.1	49.7	48.4	0.0	N	0.00	2.0	49.1	0.331	0.000	78.8	30
10/21/09	11:00p	48.7	49.0	48.1	0.0	NW	0.00	2.0	48.7	0.340	0.000	79.0	30
10/21/09	11:30p	47.5	48.1	47.1	0.0	---	0.00	0.0	47.5	0.365	0.000	79.1	30
10/22/09	12:00a	46.9	47.9	46.5	0.0	NW	0.00	2.0	46.9	0.377	0.000	78.8	30


Weatherlink 5.51.1
Wind Speed - mph
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
M 3 6 9 N 3 6 9 M 3 6 9 N 3 6 9 M
Wed Oct 21, 2009
Wind Speed