Monthly Matrix SO2 (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PE10
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	2	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	9995c	9995c	2	1	1	1	1	1	1	2
02	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
03	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
04	2	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
05	2	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
06	1	1C	9995c	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
07	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
08	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
09	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	2	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
11	2	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
12	2	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
13	1	1C	9995c	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	2	1C	9995c	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
21	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	2	9978p	1D	1	1	1	1	1	1	1	1	1	2
22	1	1C	9995c	1	1	1	1	1	1	1C	9978p	9995c	9979d	9979d	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	2C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
26	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1C	9995c	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	2C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
31	1	1C	9995c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

	Ave	Min	Max
Monthly:	1	1	2

Flags:
- C = Calibration - Valid Hour
- c = Calibration - Invalid Hour (9995)
- D = Off-Line Part of Hour - Valid Hour
- d = Off-Line Part of Hour - Invalid Hour (9979)
- p = Power Failure - Invalid Hour (9978)

Wind Direction (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PE10
Parameter: WD (DEG) Wind Direction
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	325	325	323	302	314	326	322	334	334	6	24	50	52	45	32	52	346	358	12	3	17	22	35	25
02	23	27	29	21	23	13	339	22	26	65	70	60	79	73	77	74	69	46	34	36	44	31	40	44
03	15	345	328	332	326	300	316	291	137	318	0	91	96	99	60	75	97	67	45	47	7	27	352	326
04	310	313	328	328	322	346	325	321	354	19	81	105	105	106	106	85	78	86	83	82	91	116	92	106
05	46	328	346	357	344	336	24	33	83	95	82	91	89	80	86	95	82	31	80	329	311	318	330	308
06	317	297	335	324	312	313	320	327	62	107	104	107	111	106	117	88	95	83	63	335	314	267	316	307
07	314	305	312	313	320	317	329	315	312	339	48	59	66	59	48	77	54	35	337	340	334	311	336	336
08	312	324	5	337	341	329	334	312	336	360	78	79	70	41	45	38	40	44	13	45	10	356	17	333
09	332	317	327	345	326	217	99	92	343	348	36	53	31	69	75	65	14	27	15	53	47	23	355	337
10	331	340	344	0	28	27	353	13	39	61	49	41	32	46	45	26	34	20	1	2	23	346	357	318
11	343	316	309	333	320	319	335	321	318	321	10	14	76	68	97	101	102	100	115	333	289	181	307	271
12	299	270	271	147	305	302	299	292	284	314	316	90	95	95	44	53	90	98	42	21	266	295	286	266
13	277	286	249	242	268	264	258	287	139	134	135	142	150	156	157	151	135	129	127	165	163	182	175	187
14	186	198	192	206	226	243	261	189	176	176	156	151	155	161	163	161	150	165	166	174	172	193	201	195
15	221	216	207	216	212	193	193	186	174	167	163	157	157	158	157	162	158	162	175	176	203	191	195	264
16	216	228	253	234	279	195	167	153	163	137	131	124	127	137	139	139	135	130	118	100	23	267	259	256
17	258	280	278	297	294	264	264	326	112	98	106	91	94	88	78	46	72	63	53	36	284	267	18	1
18	289	261	262	261	251	256	305	330	338	2	4	12	49	50	44	34	16	17	1	350	354	352	348	337
19	337	346	344	345	330	320	320	322	353	56	105	83	59	36	27	21	14	17	0	353	2	344	331	332
20	328	321	311	310	320	358	316	330	331	359	55	76	76	103	97	94	106	114	115	137	185	169	286	100
21	97	227	258	263	259	261	259	232	118	125	126	127	127	140	143P	141	154	150	147	135	145	229	197	257
22	118	131	138	172	180	205	259	172	129	149	136P	126	123	131	127	131	131	127	107	111	256	252	254	283
23	284	293	298	324	284	301	300	311	331	43	56	61	90	93	92	74	83	80	12	8	354	333	332	336
24	331	332	336	332	334	319	322	324	327	2	29	45	53	58	38	44	53	51	60	45	17	9	12	38
25	28	6	352	335	316	35	65	323	333	8	20	46	45	85	74	76	29	40	50	7	356	9	348	43
26	354	340	299	318	319	307	304	328	81	103	90	79	46	104	102	105	98	108	115	57	27	59	37	313
27	298	312	324	321	318	314	306	308	16	37	83	92	95	98	106	106	109	108	110	76	106	20	280	45
28	296	294	307	294	329	311	322	331	76	95	104	95	107	110	110	110	99	109	99	37	275	1	279	286
29	311	327	332	309	333	340	336	319	328	16	52	96	83	81	73	97	87	70	34	17	9	46	20	353
30	3	331	358	29	342	317	353	336	36	87	38	24	34	32	47	59	41	23	28	56	52	38	23	301
31	295	335	342	327	323	330	320	339	32	36	23	16	25	32	27	40	52	49	34	337	332	330	343	344

Flags:
P = Power Failure - Valid Hour

Monthly Ave: 174

Report Template Nr 12, Wind Direction Matrix, Version 3.0
Report Printed: 02 Jun 2008 11:37

Wind Speed (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PE10
Parameter: WS (MPH) Wind Speed
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	3.3	3.4	2.4	3.4	4.2	3.9	3.7	4.0	4.9	4.3	4.5	5.0	4.7	5.4	5.9	4.6	4.1	4.0	2.4	2.6	2.8	3.5	2.9	3.1	2.4	5.9
02	3.6	3.3	3.2	3.0	2.6	2.6	2.1	2.9	3.7	6.2	5.9	5.8	5.6	5.0	5.3	4.9	4.1	4.3	3.9	3.7	3.6	3.4	3.3	2.3	2.1	6.2
03	1.9	1.6	2.1	2.0	2.0	3.1	2.8	2.8	2.6	3.1	2.8	4.2	4.6	4.1	4.5	3.8	4.4	4.0	3.1	1.9	1.9	2.2	1.7	2.4	1.6	4.6
04	2.9	3.5	3.1	2.7	2.3	2.9	2.9	3.1	2.4	3.2	4.6	5.3	6.1	5.3	4.5	4.3	3.5	3.2	3.5	1.8	3.4	3.3	2.9	2.6	1.8	6.1
05	1.5	2.2	2.8	2.0	1.9	2.0	1.7	1.8	2.8	4.2	4.6	4.8	5.2	5.1	5.6	5.5	4.4	3.4	3.9	2.8	3.5	2.1	2.6	1.5	1.5	5.6
06	3.4	1.8	1.4	1.2	1.3	1.5	1.7	1.9	2.1	4.2	5.3	5.3	5.4	5.0	4.7	4.0	4.0	2.0	1.6	1.0	1.0	0.9	2.4	2.9	0.9	5.4
07	3.0	2.1	3.3	3.3	2.7	2.8	3.2	4.5	5.3	4.5	4.9	5.4	5.2	4.5	5.4	4.2	4.5	3.3	2.7	2.5	2.7	2.9	3.3	2.3	2.1	5.4
08	3.9	3.6	1.9	2.6	2.2	2.5	2.8	4.7	4.7	3.8	6.0	7.8	6.5	7.2	7.2	6.5	6.4	5.6	4.5	5.9	3.6	2.6	2.1	2.8	1.9	7.8
09	2.9	3.3	3.6	1.9	1.3	2.0	4.0	4.5	5.3	4.2	4.9	4.1	5.2	5.0	5.1	5.2	5.5	4.0	4.0	3.8	3.5	2.9	2.6	2.0	1.3	5.5
10	2.6	2.9	2.6	2.6	2.9	2.9	2.4	3.8	4.2	5.2	5.4	6.6	4.8	6.5	5.3	5.7	5.1	4.6	3.3	3.0	2.5	2.6	2.6	3.7	2.4	6.6
11	4.4	3.0	4.3	4.2	3.2	3.3	3.4	4.3	5.8	5.9	4.5	5.4	5.2	5.8	7.4	5.6	6.1	4.7	2.0	1.7	1.3	1.9	2.1	1.3	1.3	7.4
12	1.8	0.7	0.8	1.9	1.8	3.2	2.8	3.1	3.2	4.6	3.1	2.9	3.3	4.0	4.3	3.6	3.2	2.4	0.9	0.7	0.8	1.1	0.6	1.0	0.6	4.6
13	0.9	1.2	0.8	0.9	0.8	0.7	0.7	1.1	2.2	3.9	4.8	4.9	4.9	4.8	4.6	4.7	4.3	3.3	2.0	0.9	0.9	0.7	0.6	1.0	0.6	4.9
14	1.2	0.7	0.5	0.5	0.5	0.5	0.6	1.7	2.5	3.2	4.3	5.3	4.8	4.7	4.8	4.6	4.4	3.1	1.9	1.1	1.0	0.8	0.5	0.5	0.5	5.3
15	0.8	0.8	0.8	0.6	0.5	0.5	0.6	1.7	2.7	3.7	4.3	4.7	4.9	5.0	5.2	4.7	4.2	3.3	1.9	1.4	0.8	0.7	0.7	0.5	0.5	5.2
16	0.5	0.5	0.6	0.6	0.6	0.5	0.7	2.1	2.3	4.5	5.4	4.5	4.8	4.7	4.8	4.7	4.4	3.3	2.8	1.6	0.6	0.5	0.6	0.8	0.5	5.4
17	0.8	0.8	1.2	1.0	0.8	0.8	0.8	1.7	3.3	3.9	4.8	5.4	5.6	5.4	4.7	4.3	4.8	4.6	3.8	1.6	0.7	0.9	1.1	0.7	0.7	5.6
18	1.4	1.0	0.9	1.0	1.3	1.2	1.5	2.4	3.0	4.3	5.1	4.9	5.6	5.8	5.5	5.8	5.6	5.6	4.1	3.1	3.4	3.6	3.5	4.6	0.9	5.8
19	4.1	3.4	2.9	2.8	3.3	4.0	4.0	4.1	3.6	3.8	5.6	5.5	5.7	5.9	5.4	6.1	5.8	5.9	4.7	3.9	3.5	3.3	4.6	4.8	2.8	6.1
20	4.7	4.0	3.0	2.9	2.3	3.1	3.7	3.8	4.2	3.0	4.2	4.9	5.4	5.8	6.0	5.2	5.6	4.1	2.8	2.1	0.8	0.5	0.6	1.1	0.5	6.0
21	0.9	0.9	1.2	1.0	1.0	0.7	0.6	0.8	3.0	3.6	4.0	5.0	4.9	5.7	6.0P	5.8	4.0	3.4	1.4	1.5	0.7	0.8	0.7	0.6	0.6	6.0
22	1.5	1.8	1.7	1.3	0.8	0.6	0.8	1.3	2.6	3.4	4.1P	5.0	5.1	5.5	5.5	4.7	4.3	4.0	2.4	1.0	1.0	1.0	0.7	1.0	0.6	5.5
23	1.3	1.4	1.4	1.2	1.3	2.5	2.4	4.0	3.9	4.0	4.5	4.8	5.8	5.5	5.2	5.1	4.5	4.8	2.7	2.2	2.0	3.3	3.6	3.5	1.2	5.8
24	3.5	3.8	4.0	4.2	3.5	4.7	4.8	5.2	4.9	4.3	4.2	4.9	4.7	4.7	5.0	4.6	5.5	4.9	4.9	3.2	3.0	2.3	2.7	3.2	2.3	5.5
25	2.7	2.1	1.8	1.9	3.5	3.6	3.1	2.9	3.4	4.2	4.3	5.9	5.2	4.2	4.6	4.9	4.8	4.1	3.0	1.7	2.3	2.5	1.6	2.9	1.6	5.9
26	2.9	3.1	1.7	1.8	2.5	3.5	4.6	3.0	3.1	4.0	3.8	4.7	3.4	5.3	5.3	5.8	5.9	4.3	3.2	1.8	2.3	1.3	2.1	2.5	1.3	5.9
27	3.0	2.4	2.6	2.9	3.1	3.2	3.6	3.5	3.2	4.1	4.7	5.5	5.3	5.7	5.8	5.8	5.2	4.3	3.3	2.1	1.9	2.6	2.0	2.5	1.9	5.8
28	1.7	2.3	3.1	1.7	2.1	2.4	2.9	1.9	2.3	4.1	4.6	5.3	5.5	5.8	5.5	5.2	4.7	4.7	2.7	0.8	0.8	0.6	0.8	0.9	0.6	5.8
29	1.4	1.3	2.2	2.4	2.2	2.2	2.0	3.1	4.4	3.8	4.8	5.4	5.9	6.0	5.7	5.4	5.1	4.2	3.3	2.5	2.9	2.9	2.4	2.6	1.3	6.0
30	1.9	2.1	2.3	3.0	3.1	3.9	2.8	3.4	4.3	5.1	4.6	5.8	5.3	6.5	6.2	5.9	5.7	4.1	3.8	3.3	2.7	2.2	2.0	1.1	1.1	6.5
31	1.3	2.7	1.8	2.4	2.1	2.7	3.4	2.7	4.4	5.3	5.5	6.3	6.4	5.7	5.5	5.3	3.2	3.5	2.9	4.1	3.5	4.4	3.8	2.6	1.3	6.4

Flags:
P = Power Failure - Valid Hour

	Ave	Min	Max
Monthly:	3.3	0.5	7.8

Monthly Matrix SO2 (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	9995c	304	593	519	208C	9995c	701C	790P	321	42	37	11	16	2	1	1	2	2	25	83	141	119	127	103	1	790
02	9995c	100	99	115	151	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	0	1	2	24	9978p	9978p	9978p	9978p	9978p	9978p	9978p	0	151
03	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p		
04	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p		
05	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p		
06	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	0P	9978p	0P	0	0	81	109	70	12	20	0	109
07	9995c	37	55	113	56	29	1	33P	47	16	16	9	12	12	2	0	1	1	18	83	420	137	47	42	0	420
08	9995c	51	87	89	39	39	107	279P	76	312	111	52	26	12	15	11	30	128	597	259	171	251	312	190	11	597
09	9995c	308	304	49	58	157	162	35P	36	144	35	28	6	0	2	4	8	95	21	41	90	101	55	30	0	308
10	9995c	88	31	139	146	123	149	375P	58	158	668	39	13	16	2	25	55	32	644	335	72	29	46	32	2	668
11	9995c	58	68	64	105	57	131	276P	14	35	49	28	14	13	29	1	1	1	0	6	33	33	47	60	0	276
12	9995c	82	116	39	29	28	1	5P	42	18	5	0	0	16	77	71	204	37	13	2	2	7	25	65	0	204
13	9995c	256	172C	326C	200	146	75	89P	201	56	37	25	0	0	0	0	0	0	0	0	0	1	1	0	0	326
14	9995c	1	1	2	1	1	1	1P	3	4	3	2	0	2	1	0	-1	-1	-1	0	0	-1	0	3	-1	4
15	9995c	3	5	14	14	12	20	85P	44	1	0	0	0	-1	-1	0	-1	0	0	1	7	7	3	4	-1	85
16	9995c	6	8	22	17	18	13	26P	33	1	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0	4	22	-1	33
17	9995c	82	101	80	115	99	56	80P	203	30	3	1	0	0	0	0	0	0	0	0	0	1	11	26	0	203
18	9995c	39	44	37	28	114	75	95P	153	152	62	16	2	0	0	0	0	0	1	11	16	34	72	118	0	153
19	9995c	175	149	145	109	86	79	127P	107	25	4	1	0	0	0	0	0	2	22	76	61	80	71	85	0	175
20	9995c	189	106C	45C	103	215	241	84P	56	70	68	3	2	1	0	0	0	9978p	9978p	0	0	-1	1	4	-1	241
21	9995c	5	4	2	4	29	112	228P	225	18	2	0	0	0	0	0	0	0	1	0	0	1	2	0	0	228
22	9995c	1	0	1	1	1	2	8P	51	92	58	21	5	1	0	0	0	1	2	2	3	60	76	56	0	92
23	9995c	106	37	51	91	89	77	111P	119	153	70	3	0	0	0	0	0	0	0	0	1	13	41	55	0	153
24	9995c	137	171	150	109	132	120	42P	55	74	73	12	1	0	0	0	0	0	8	6	32	57	192	184	0	192
25	9995c	55	116	107	101	112	119	67P	136	100	51	10	8	1	2	1	0	0	0	16	84	113	62	56	0	136
26	9995c	39	13	54	56	39	58	96P	262	72	59	6	1	0	0	0	0	0	0	10	10	7	21	39	0	262
27	9995c	129	218C	224C	155	133	263	285P	348	41	17	6	1	0	0	0	0	0	0	0	0	0	3	5	0	348
28	9995c	10	13	21	32	34	44	21P	49	21	31	2	2	0	0	0	0	0	0	0	0	3	30	95	0	95
29	9995c	100	181	70	183	211	137	140P	68	78	15	8	3	0	0	0	0	0	0	6	49	198	187	82	0	211
30	9995c	55	50	50	81	82	74	139P	153	76	39	18	8	10	11	5	20	22	20	30	143	142	73	57	5	153
31	9995c	53	82	130	132	149	64	98P	156	43	25	10	7	5	0	0	4	7	9	91	142	88	148	463	0	463

	Ave	Min	Max
Monthly:	59	-1	790

Flags:
C = Calibration - Valid Hour
c = Calibration - Invalid Hour (9995)
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly Matrix PM2.5 (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	116	24	28	42	42	18	26	47	47	60	28	26	13	23	7	9	9	8	11	25	49	89	52	43	7	116
02	46	35	44	42	48	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	7	5	4	6	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4	48
03	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p		
04	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p		
05	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p		
06	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4	5	5	5	30	38	9	9	4	38
07	5	6	9	8	6	4	3	0	2	6	7	8	8	9	10	8	8	6	10	12	35	28	14	10	0	35
08	11	16	12	11	12	10	11	9	17	7	22	9	11	17	8	9	11	9	5	42	30	29	47	13	5	47
09	17	12	11	18	4	17	13	12	32	21	11	13	18	7	5	2	7	12	12	18	13	11	21	9	2	32
10	9	5	6	13	12	13	12	21	25	8	25	42	17	10	10	6	8	23	17	55	7	5	3	4	3	55
11	3	4	10	28	12	11	10	12	13	7	8	19	14	13	12	18	2	6	7	3	4	10	17	9	2	28
12	8	11	15	12	9	12	20	3	5	24	13	10	6	7	10	29	33	47	23	14	11	12	15	20	3	47
13	22	27	36	32	44	18	16	15	32	81	25	19	7	6	3	5	6	5	6	6	6	7	6	7	3	81
14	8	5	4	3	6	10	9	5	2	3	6	7	8	6	3	1	2	3	2	3	6	6	3	4	1	10
15	9	8	4	6	10	13	12	10	12	11	4	2	-1	-1	0	-1	1	1	1	2	5	6	4	4	-1	13
16	4	4	5	7	13	16	14	12	14	12	3	0	2	3	2	3	3	2	4	7	6	3	7	13	0	16
17	23	53	48	50	32	57	45	34	25	88	13	11	6	4	3	3	3	2	2	7	10	7	6	11	2	88
18	20	18	17	19	14	12	50	31	33	55	46	18	9	6	5	6	7	5	4	5	9	13	13	19	4	55
19	16	17	22	14	15	15	15	12	11	27	13	11	5	6	6	4	4	4	6	11	24	23	17	20	4	27
20	13	17	24	13	10	8	25	22	13	22	26	33	3	3	9979d	-14	3	0P	0P	-2	-1	1	3	5	-14	33
21	9	9	6	9	11	13	15	40	56	45	9	8	8	6	4	7	7	3	5	5	5	5	5	6	3	56
22	5	7	7	4	5	8	7	7	9	23	30	13	10	5	2	2	3	4	5	9	11	10	35	48	2	48
23	39	38	18	10	16	44	44	39	35	27	65	33	3	4	4	6	4	1	5	6	5	6	10	17	1	65
24	15	17	20	21	24	14	19	13	11	9	30	26	7	5	3	4	4	8	10	21	18	22	29	28	3	30
25	23	10	11	39	40	26	25	23	22	57	33	19	10	9	10	8	4	3	5	8	10	36	52	33	3	57
26	26	29	20	9	26	17	15	24	24	25	27	17	7	6	5	5	4	1	0	3	8	8	8	10	0	29
27	12	14	17	23	24	14	14	29	25	31	12	12	9	4	3	3	4	1	0	0	1	4	4	6	0	31
28	7	4	5	11	14	19	12	14	13	12	13	17	2	3	1	-1	1	2	2	3	3	2	5	12	-1	19
29	44	54	39	59	7	21	22	18	15	14	25	13	10	10	5	1	0	0	5	6	6	17	44	45	0	59
30	20	3	8	10	10	21	21	15	15	23	18	39	3	4	9	7	5	7	10	13	11	33	27	9	3	39
31	7	6	5	10	15	12	11	10	8	38	10	6	3	6	7	4	1	4	6	4	21	35	20	22	1	38

Flags:
d = Off-Line Part of Hour - Invalid Hour (9979)
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly:	14	-14	116
	Ave	Min	Max

Wind Direction (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: WD (DEG) Wind Direction
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	269	289	245	288	303	248	145	106P	92	92	101	99	100	110	109	100	82	116	248	254	242	250	301	282
02	282	249	283	303	303	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	91	86	91	87	9978p	9978p	9978p	9978p	9978p	9978p	9978p
03	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p
04	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b
05	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p
06	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	92P	86P	137P	128	73	138	150	119	122	128
07	256	125	236	80	97	109	71	161P	79	90	104	101	101	100	108	114	125	140	222	211	141	281	251	297
08	68	118	212	188	194	205	143	286P	99	82	87	102	94	97	100	104	98	96	91	138	119	117	70	77
09	61	128	82	90	283	255	223	77P	98	97	102	103	112	112	104	99	99	105	136	166	89	60	99	62
10	193	191	121	234	225	274	208	73P	87	96	94	100	102	100	101	100	93	95	54	95	162	261	274	261
11	243	251	205	184	230	173	166	80P	69	92	99	106	99	94	98	101	96	99	89	90	149	143	159	136
12	301	284	246	87	262	178	140	323P	224	119	74	268	317	133	122	94	89	257	110	280	275	313	322	325
13	320	319	319	320	320	321	294	125P	73	127	133	139	144	140	221	241	210	260	307	267	291	334	335	325
14	323	331	321	320	324	318	320	203P	175	139	156	144	144	148	139	147	166	188	196	320	322	328	328	308
15	271	314	319	321	322	325	326	152P	114	153	150	131	140	156	155	156	195	195	318	320	320	316	326	319
16	295	310	326	317	321	321	326	173P	146	146	144	129	107	97	96	290	162	211	137	231	311	332	283	306
17	310	306	321	322	313	322	323	161P	89	103	94	100	97	82	99	100	107	101	87	130	291	297	297	306
18	317	321	321	327	322	327	325	144P	145	108	101	123	167	164	195	200	234	291	303	310	255	281	303	314
19	299	286	306	305	269	313	307	216P	169	102	109	115	130	165	195	266	271	251	274	310	326	322	321	316
20	319	305	302	285	314	327	294	155P	170	264	161	92	258	252	109	68	97	92P	102P	148	183	105	142	332
21	322	308	258	261	254	295	316	254P	87	116	124	120	118	129	132	231	276	185	261	259	264	292	274	238
22	207	322	214	187	327	332	317	279P	91	110	131	148	185	113	134	147	124	62	262	203	185	278	276	310
23	269	317	326	314	298	318	286	281P	161	131	122	140	128	122	137	122	113	100	270	272	311	310	307	296
24	299	303	301	296	325	263	160	144P	97	106	101	105	98	104	101	101	118	157	87	89	107	165	132	190
25	224	151	119	251	314	314	300	80P	91	87	101	98	100	106	103	104	99	100	116	115	157	241	188	206
26	201	88	287	277	163	147	298	188P	188	98	91	103	116	97	95	103	102	94	89	164	69	163	229	288
27	312	234	201	321	221	310	237	94P	122	95	101	101	105	102	92	92	94	86	76	80	98	77	227	80
28	87	99	213	257	190	323	127	188P	164	104	90	108	104	115	112	115	94	75	71	187	80	175	274	320
29	314	314	322	317	323	327	315	147P	219	159	107	103	103	114	121	112	140	250	264	208	239	199	282	166
30	208	295	240	313	124	239	299	165P	97	104	103	123	107	137	120	104	102	101	138	123	124	185	145	150
31	301	303	199	178	286	257	270	253P	99	102	102	104	105	106	108	105	104	98	116	224	213	310	243	250

Flags:
- b = Bad Condition - Invalid Hour (9979)
- P = Power Failure - Valid Hour
- p = Power Failure - Invalid Hour (9978)

Monthly Ave: 189

Wind Speed (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: WS (MPH) Wind Speed
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	2.6	5.1	4.0	4.0	5.5	5.3	6.3	6.2P	7.7	6.6	10.0	9.4	7.2	8.3	7.0	5.8	5.5	4.6	3.5	3.5	1.9	3.8	3.6	3.1	1.9	10.0
02	3.3	3.0	3.0	3.2	4.2	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	5.4	5.2	4.8	5.1	9978p	9978p	9978p	9978p	9978p	9978p	9978p	3.0	5.4
03	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p		
04	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b	9979b		
05	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p		
06	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	5.0P	3.9P	3.4P	4.0	4.3	3.9	3.7	4.6	4.6	4.8	3.4	5.0
07	5.1	4.4	3.9	3.6	5.2	5.4	4.5	3.5P	4.4	5.5	10.9	11.4	11.8	10.2	7.1	5.2	4.4	3.8	2.1	2.7	2.8	2.3	2.8	2.2	2.1	11.8
08	4.4	5.8	4.9	4.0	3.8	4.0	5.3	4.6P	3.7	4.6	7.6	9.8	10.2	8.5	9.8	13.4	11.9	8.0	5.7	3.7	3.6	3.0	4.6	4.0	3.0	13.4
09	5.7	7.0	4.0	3.9	3.4	3.4	2.7	3.9P	4.6	6.3	11.0	12.5	9.0	7.8	9.3	10.5	7.6	4.4	3.8	2.9	3.6	3.9	2.9	5.1	2.7	12.5
10	3.1	3.1	3.2	5.4	3.1	4.1	4.2	4.8P	5.9	10.2	10.9	13.1	13.5	12.0	11.3	9.1	7.6	7.2	6.1	3.5	4.0	3.0	2.0	3.2	2.0	13.5
11	2.9	3.1	4.1	3.6	3.1	2.5	5.6	4.9P	5.2	5.4	8.0	10.3	10.3	8.1	6.7	7.4	6.6	4.9	4.5	2.9	3.9	4.8	4.3	4.5	2.5	10.3
12	5.7	5.0	4.1	1.9	2.5	3.8	3.0	3.7P	1.3	2.9	4.2	7.0	7.0	4.7	3.7	2.8	2.1	2.7	2.7	3.1	2.9	3.7	4.4	5.1	1.3	7.0
13	5.1	5.2	5.2	5.5	5.0	5.5	4.7	1.7P	2.8	4.1	6.7	6.3	5.3	3.2	2.1	3.3	1.4	4.3	2.1	2.5	4.5	4.8	4.6	4.3	1.4	6.7
14	3.8	4.5	4.8	5.2	6.2	5.2	5.3	1.0P	1.7	3.5	5.6	5.4	5.6	5.5	5.7	5.1	4.4	2.5	2.1	2.9	4.1	4.1	4.2	3.4	1.0	6.2
15	2.2	4.2	4.2	3.0	4.5	5.1	4.5	2.1P	2.8	4.8	5.5	5.2	6.2	5.9	5.5	4.9	2.6	3.3	3.3	3.0	3.1	2.8	3.4	1.8	1.8	6.2
16	2.2	2.8	4.0	3.8	4.7	5.3	3.8	1.5P	3.5	4.7	6.1	7.0	6.2	3.6	2.2	0.8	2.2	2.4	2.6	2.9	3.2	3.8	2.9	2.8	0.8	7.0
17	3.5	3.2	4.5	4.8	3.9	4.8	5.0	2.2P	2.9	5.2	4.8	6.7	6.1	3.0	4.0	3.9	3.3	3.3	1.7	1.3	2.2	2.7	3.3	3.7	1.3	6.7
18	4.5	5.6	5.0	6.0	5.7	5.2	4.2	2.2P	4.0	6.1	4.2	6.2	5.4	4.7	3.1	2.6	2.2	1.6	2.1	2.8	2.7	4.0	4.6	4.4	1.6	6.2
19	3.6	3.8	4.5	4.4	3.9	4.5	3.6	2.4P	2.6	5.9	7.2	6.8	5.3	5.8	2.9	1.7	1.4	2.2	3.0	4.0	5.1	5.4	5.2	4.5	1.4	7.2
20	4.6	4.6	4.0	3.7	4.7	5.1	3.6	1.9P	2.3	2.1	1.7	2.4	3.6	2.7	2.1	2.3	2.5	3.8P	3.4P	2.7	2.2	3.0	3.8	4.0	1.7	5.1
21	3.5	4.5	4.5	4.7	5.3	4.8	4.9	4.2P	3.0	5.5	7.1	6.0	6.2	6.3	4.8	4.5	5.3	4.1	3.6	4.0	3.7	4.2	4.4	3.1	3.0	7.1
22	3.4	4.3	3.0	3.1	4.7	3.9	3.3	2.4P	3.3	5.1	4.8	2.9	2.9	3.2	2.9	3.4	2.6	5.4	4.9	4.2	4.3	6.6	5.7	4.6	2.4	6.6
23	3.9	3.7	3.9	4.3	3.3	3.8	3.9	1.8P	3.0	3.0	4.9	5.4	5.0	4.6	3.1	2.5	3.3	3.0	2.2	2.7	3.8	4.0	4.2	5.2	1.8	5.4
24	4.8	4.4	4.8	4.1	5.3	4.8	5.9	1.0P	4.3	7.8	9.3	8.2	8.6	7.9	7.7	6.9	4.4	3.8	3.8	5.2	2.8	2.4	2.4	1.9	1.0	9.3
25	2.6	2.8	2.8	2.3	3.7	4.5	4.4	2.7P	5.1	4.1	6.6	7.7	8.7	6.3	5.8	5.6	5.2	3.8	3.2	3.0	3.0	2.7	3.9	2.4	2.3	8.7
26	4.7	3.4	2.4	2.2	4.1	3.1	3.1	4.1P	3.1	6.3	4.9	5.4	4.2	4.3	4.0	5.0	4.1	3.9	4.0	1.7	3.5	4.2	3.4	3.8	1.7	6.3
27	4.9	4.4	4.3	4.7	3.6	5.1	4.0	4.7P	3.1	8.6	8.7	7.2	8.6	6.4	5.0	3.4	3.5	3.7	2.6	2.5	3.8	3.5	4.4	2.5	2.5	8.7
28	2.3	2.0	1.8	4.5	3.1	3.8	4.5	5.7P	4.3	2.4	3.6	4.5	6.1	6.5	4.8	3.1	3.1	2.3	1.3	2.9	1.9	3.1	2.9	3.3	1.3	6.5
29	3.8	3.4	4.9	4.7	5.3	5.8	4.3	2.3P	2.4	5.5	8.8	8.4	7.0	5.5	4.3	4.3	2.7	1.6	3.1	2.6	2.4	2.7	3.6	3.1	1.6	8.8
30	3.3	3.6	2.6	4.2	3.2	2.2	2.8	3.1P	5.0	9.0	8.2	5.7	8.7	5.1	7.0	8.0	7.2	5.5	4.8	3.0	3.2	2.3	2.2	4.4	2.2	9.0
31	4.0	4.2	4.1	4.4	5.1	4.0	2.7	2.1P	7.0	10.5	8.2	7.9	8.8	7.4	6.4	6.9	7.0	4.7	3.4	3.3	3.1	4.2	4.4	4.6	2.1	10.5

Flags:
b = Bad Condition - Invalid Hour (9979)
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

	Ave	Min	Max
Monthly:	4.5	0.8	13.5

Monthly Matrix SO2 (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	9995c	1C	0	0	0	0	0	0P	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02	9995c	1C	0	0	0C	9995c	9995c	9978p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03	9995c	2C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	-1	0	0	-1	0	0	-1	2
04	9995c	1C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	1
05	9995c	3C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	3
06	9995c	1C	9995c	0C	0	0	0	0P	-1	0	-1	-1	0	0	-1	0	0	0P	0	0	0	-1	-1	0	-1	1
07	9995c	2C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	0	-1	2
08	9995c	2C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
09	9995c	2C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
10	9995c	4C	1	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
11	9995c	1C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	-1	0	0	-1	-1	-1	-1	-1	-1	1
12	9995c	1C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0	0	0	-1	1
13	9995c	1C	9995c	0C	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	2	7	59	85	0	85
14	9995c	19C	19	9	23	20	15	14P	287	268	26	8	4	4	6	5	6	2	2	1	0	0	0	0	0	287
15	9995c	23C	15	7	36	75	63	93P	259	7	5	10	23	20	12	7	3	3	2	1	0	1	20	13	0	259
16	9995c	16C	13	10	12	18	17	34P	138	16	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	138
17	9995c	3C	1	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
18	9995c	5C	1	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
19	9995c	1C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20	9995c	2C	9995c	0C	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
21	9995c	1C	0	0	0	0	0	0P	0	0P	0P	9978p	0	0	0	0	0	0	1	1	0	0	0	0	0	1
22	9995c	2C	1	0	0	2	62	47P	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
23	9995c	2C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
24	9995c	1C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	9995c	2C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
26	9995c	2C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
27	9995c	1C	9995c	0C	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	9995c	1C	0	0	0	0	0	0P	0	0	0	0	0	0	-1	-1	-1	0	-1	0	-1	-1	0	0	-1	1
29	9995c	2C	0	0	0	0	0	0P	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	2
30	9995c	1C	0	0	0	0	-1	-1P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	1
31	9995c	1C	0	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

	Min	Max
Monthly:	3	-1	287
	Ave	Min	Max

Flags:
C = Calibration - Valid Hour
c = Calibration - Invalid Hour (9995)
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly Matrix PM2.5 (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	12	13	11	8	7	6	6	5	6	10	12	12	13	13	12	10	11	10	10	8	9	9	7	7	5	13
02	6	7	7	8	8	6	5	6	8	6	3	5	8	9	7	8	8	6	6	7	8	7	6	5	3	9
03	4	5	5	6	6	7	6	3	1	3	3	2	5	4	3	3	3	4	1	1	4	1	2	3	1	7
04	3	2	0	-1	1	2	2	1	0	1	3	2	2	1	0	1	3	3	2	1	-1	1	2	1	-1	3
05	0	1	3	1	1	3	5	4	2	3	7	7	5	6	8	6	4	3	1	2	6	7	7	4	0	8
06	4	6	5	3	3	3	5	5	3	3	4	3	2	5	6	5	6	0P	7	6	6	4	3	4	0	7
07	4	4	5	5	2	0	4	5	5	5	6	7	6	4	3	2	3	5	3	0	0	0	2	1	0	7
08	0	2	1	3	3	3	3	3	6	8	7	6	3	3	5	4	5	7	5	4	3	3	5	8	0	8
09	7	5	6	3	1	0	2	5	5	5	6	6	5	6	7	6	7	6	5	4	4	6	6	2	0	7
10	-1	2	3	2	3	3	6	6	6	7	7	5	2	1	2	1	-1	2	4	5	5	3	3	4	-1	7
11	5	1	-1	-1	-1	1	2	3	2	3	3	3	3	2	3	4	4	5	6	3	3	2	3	7	-1	7
12	3	-1	2	1	3	4	2	3	6	6	5	3	6	13	14	13	11	9	9	9	9	8	5	6	-1	14
13	9	10	11	5	3	6	5	8	8	5	3	3	4	3	4	6	7	4	3	6	9	13	17	82	3	82
14	125	79	37	41	29	30	16	16	15	203	123	24	14	14	17	12	12	12	10	9	8	7	5	3	3	203
15	3	9	23	21	11	36	50	50	71	136	6	6	20	28	13	28	21	18	10	10	7	4	6	24	3	136
16	20	36	28	30	29	27	30	27	44	89	10	8	5	7	10	10	9	6	6	6	6	5	4	6	4	89
17	4	3	3	10	14	13	12	12	8	7	4	4	5	3	4	3	4	4	3	4	4	3	5	8	3	14
18	5	4	6	6	5	6	6	1	0	3	4	5	6	6	5	3	4	2	0	2	4	3	1	1	0	6
19	3	3	1	2	3	2	3	3	1	4	5	3	3	3	5	6	4	6	5	3	3	3	5	3	1	6
20	5	5	3	2	1	3	0	2	4	1	0	2	5	6	5	4	3	2	2	3	4	6	5	5	0	6
21	6	7	7	6	6	6	9	9	9	0P	0P	9979d	-14	7	7	5	5	6	7	7	7	6	5	5	-14	9
22	5	6	6	4	3	5	10	60	17	11	7	9	6	5	5	6	7	6	5	6	6	6	5	3	3	60
23	1	5	7	5	6	5	3	4	5	6	7	9	5	3	5	5	4	4	6	7	6	4	3	1	1	9
24	2	4	5	5	6	3	3	4	4	5	8	7	4	5	7	7	6	3	5	9	8	8	8	6	2	9
25	7	10	7	3	4	6	3	0	-2	-1	3	3	4	4	5	8	7	5	6	7	5	4	4	5	-2	10
26	8	9	3	1	5	6	2	1	3	3	4	6	6	4	2	1	3	4	3	3	5	4	3	3	1	9
27	5	6	4	1	2	2	2	1	-1	1	2	3	4	2	1	0	0	3	3	4	4	4	3	0	-1	6
28	1	3	0	-1	1	3	3	2	2	3	3	0	0	0	2	4	3	3	3	3	3	1	3	4	-1	4
29	4	4	2	1	3	5	5	2	4	8	6	5	5	4	5	5	4	1	2	1	1	4	3	1	1	8
30	0	-1	-1	0	2	3	2	2	4	4	3	3	2	-2	0	4	3	-1	-1	0	2	0	-1	2	-2	4
31	1	2	2	1	-2	-1	3	2	0	5	5	4	4	5	4	4	5	3	3	2	-1	-2	1	3	-2	5

Flags:
d = Off-Line Part of Hour - Invalid Hour (9979)
P = Power Failure - Valid Hour

	Ave	Min	Max
Monthly:	7	-14	203

Wind Direction (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: WD (DEG) Wind Direction
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	254	260	252	247	244	254	249	261P	206	120	71	76	79	70	68	74	67	59	80	292	277	265	306	248
02	303	260	306	304	290	307	295	290P	140	143	74	78	79	64	95	185	280	248	211	300	235	289	293	219
03	302	272	267	242	249	283	256	249P	254	91	145	238	189	133	93	105	140	79	107	264	278	257	273	274
04	257	271	282	279	262	276	276	255P	248	161	157	120	143	118	84	112	86	86	109	125	165	146	190	273
05	255	271	250	272	278	286	251	252P	262	206	97	156	67	78	66	84	74	73	105	137	229	258	269	265
06	187	263	248	265	264	260	274	271P	214	237	188	250	127	94	91	85	80	81P	78	204	274	272	278	171
07	249	240	271	263	260	261	201	226P	278	137	87	71	78	76	76	82	77	85	158	275	274	273	269	271
08	249	273	179	281	255	263	276	269P	263	214	139	112	77	62	63	58	59	72	180	172	141	257	241	247
09	273	265	281	221	218	271	252	253P	271	268	98	96	69	63	69	85	72	148	126	111	145	307	281	270
10	268	235	287	298	249	288	304	278P	148	105	85	65	74	75	119	163	108	259	270	270	221	276	277	276
11	268	255	257	272	246	277	248	263P	276	269	190	92	109	76	67	79	76	76	87	212	259	262	262	238
12	216	247	254	261	194	162	210	223P	247	188	164	176	107	82	74	77	66	83	147	73	257	259	256	249
13	251	249	257	243	250	246	251	234P	178	140	115	112	110	126	129	151	144	129	147	221	234	227	246	240
14	231	229	222	237	249	249	243	224P	157	115	117	122	126	126	128	118	116	119	111	93	154	259	249	245
15	235	233	224	232	241	252	255	241P	163	105	95	118	129	136	142	132	138	126	129	128	164	218	216	233
16	244	255	249	249	248	245	252	247P	210	80	71	84	93	96	109	92	101	91	86	221	268	250	245	253
17	249	253	251	253	246	250	249	244P	100	93	111	72	79	80	73	84	66	61	51	187	270	242	256	254
18	255	248	251	257	252	250	249	205P	94	106	106	94	87	69	72	74	58	70	90	297	298	275	270	265
19	275	267	249	272	251	246	263	255P	110	79	84	72	71	70	69	74	74	78	94	265	290	275	257	269
20	262	258	256	263	269	116	186	235P	155	115	78	79	81	84	82	76	75	70	88	220	207	216	252	249
21	219	210	243	241	244	250	238	213P	136	119P	86P	89P	106	100	112	128	135	135	198	219	222	210	223	188
22	210	242	243	236	239	251	239	220P	130	235	150	84	87	73	75	108	110	70	59	127	246	246	252	260
23	258	259	258	253	259	259	259	247P	108	101	98	75	79	77	77	72	65	68	56	224	295	269	252	259
24	264	253	250	251	254	253	260	239P	71	105	118	72	73	82	78	70	68	75	65	101	286	292	229	234
25	282	257	291	273	268	232	228	243P	222	242	159	75	77	60	77	69	69	60	79	241	280	252	287	239
26	232	170	269	267	211	133	259	267P	234	180	134	92	80	77	79	73	72	148	271	294	196	212	278	262
27	265	273	273	255	253	212	269	270P	164	104	125	97	82	84	77	82	92	82	89	72	168	173	216	266
28	196	243	111	212	280	282	253	254P	221	205	135	126	72	83	71	74	72	63	56	146	248	251	271	228
29	224	263	220	271	267	276	272	265P	123	66	94	85	86	81	76	78	65	63	64	109	178	283	251	210
30	258	274	268	187	260	269	268	255P	259	88	208	133	68	62	71	66	64	68	162	283	304	323	294	286
31	280	263	247	276	268	252	274	221P	96	77	68	73	77	68	64	69	71	75	88	135	205	256	265	267

Flags:
P = Power Failure - Valid Hour

Monthly Ave: 184

Wind Speed (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: WS (MPH) Wind Speed
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	4.3	4.3	4.3	3.9	5.1	5.1	3.3	2.7P	2.7	3.7	4.9	5.1	5.2	5.5	5.5	5.0	5.0	4.0	2.3	1.1	1.4	1.5	1.5	1.7	1.1	5.5
02	2.0	1.9	1.6	1.6	2.3	1.6	1.9	1.5P	2.6	2.4	4.9	6.0	5.4	3.8	5.2	2.8	1.9	2.5	1.9	1.7	1.7	1.8	1.5	1.6	1.5	6.0
03	1.9	3.1	3.7	3.0	4.0	2.3	2.3	2.8P	2.3	3.3	2.8	3.1	3.4	3.0	3.8	6.3	2.2	4.0	2.5	2.7	2.3	2.1	3.5	3.1	1.9	6.3
04	2.4	2.6	2.1	2.6	2.6	2.3	2.3	2.5P	2.3	3.7	2.6	3.4	4.3	5.4	4.6	6.2	4.3	4.2	3.4	2.8	1.9	1.8	2.2	2.9	1.8	6.2
05	2.5	2.0	2.5	2.3	1.9	2.3	1.7	2.4P	2.5	2.8	2.5	3.8	4.6	4.5	5.1	5.0	4.3	3.8	1.6	3.7	2.8	3.3	3.2	3.3	1.6	5.1
06	2.5	4.4	4.3	3.9	4.9	4.0	3.4	3.3P	3.6	4.1	2.2	3.0	2.9	5.5	6.0	6.0	5.1	4.7P	3.1	1.4	1.7	1.2	2.0	2.4	1.2	6.0
07	4.3	3.9	4.5	4.0	3.1	3.0	2.6	2.8P	3.1	3.6	4.5	4.4	4.5	4.9	5.8	5.1	5.0	5.7	2.7	3.3	3.0	2.3	3.3	2.8	2.3	5.8
08	3.4	2.6	1.8	2.6	2.8	2.5	2.8	1.9P	3.0	4.2	5.3	5.3	6.1	6.8	6.2	5.3	5.0	4.3	2.7	2.8	2.2	2.6	3.5	3.4	1.8	6.8
09	2.9	2.5	2.3	2.3	2.7	3.4	2.4	3.0P	4.3	4.9	2.9	3.2	4.3	6.4	6.0	4.8	4.5	3.7	3.2	3.1	2.7	1.9	2.1	3.0	1.9	6.4
10	2.4	3.0	3.3	2.7	2.6	2.1	1.8	2.1P	3.2	4.0	4.9	5.0	4.7	5.7	5.1	3.5	4.8	2.7	1.6	1.9	2.4	2.3	2.8	3.6	1.6	5.7
11	2.2	2.2	4.0	3.1	3.1	3.8	2.2	2.7P	4.0	4.3	3.8	4.6	4.6	3.8	4.4	6.0	4.7	4.2	3.1	1.9	2.8	3.4	4.2	4.3	1.9	6.0
12	4.2	5.4	4.0	4.1	4.5	4.0	3.2	3.1P	3.0	1.7	3.1	2.8	3.0	3.5	3.6	3.0	2.9	3.0	1.3	2.0	2.4	3.2	2.6	2.8	1.3	5.4
13	3.0	3.3	3.1	3.1	3.7	3.6	3.5	3.3P	3.0	4.5	5.4	7.2	8.0	7.2	6.5	4.2	3.0	3.2	3.6	3.2	2.8	3.5	2.6	2.3	2.3	8.0
14	3.1	4.1	4.4	3.7	3.6	4.9	4.9	3.9P	4.3	6.2	7.8	8.1	7.9	7.8	8.1	8.9	7.2	6.4	4.0	2.2	1.2	1.2	1.9	2.6	1.2	8.9
15	3.0	3.4	4.2	4.6	3.6	4.0	3.7	3.4P	3.3	5.3	5.7	3.2	6.1	7.3	7.8	7.8	7.0	7.0	5.0	3.6	2.3	2.9	2.7	2.2	2.2	7.8
16	3.3	3.9	3.4	3.0	4.0	5.1	4.0	2.8P	1.5	3.7	4.1	6.3	5.3	6.5	7.9	6.9	5.5	5.1	3.9	1.1	1.3	1.7	2.1	2.2	1.1	7.9
17	2.2	2.2	3.6	4.1	3.9	4.2	3.8	3.1P	3.2	3.9	3.8	5.2	6.1	5.6	5.7	5.3	4.5	3.6	2.7	0.8	1.3	1.3	2.2	2.6	0.8	6.1
18	4.0	4.3	4.4	5.1	4.8	4.6	4.8	3.6P	2.8	3.3	3.9	4.4	4.9	5.6	5.3	5.6	4.7	3.8	2.6	0.9	1.3	1.1	1.6	1.8	0.9	5.6
19	2.6	2.0	2.0	2.3	2.1	1.6	2.2	2.1P	2.6	3.6	4.7	5.1	6.0	5.9	5.6	5.5	4.6	5.0	3.4	1.5	1.2	1.6	2.5	2.4	1.2	6.0
20	2.7	2.4	2.4	2.9	2.6	2.3	1.6	2.2P	2.8	3.1	4.8	4.9	5.7	6.4	6.0	5.2	5.3	4.0	3.7	0.7	1.3	1.7	2.4	2.2	0.7	6.4
21	1.7	2.6	2.0	2.3	2.8	3.7	3.5	3.0P	3.9	4.7P	6.3P	7.5P	8.8	7.0	9.0	6.2	5.4	4.6	2.7	2.1	2.5	2.1	3.0	1.7	1.7	9.0
22	1.9	2.5	2.5	4.1	3.1	2.9	3.0	3.3P	3.4	1.5	3.1	6.5	6.1	5.6	5.7	5.9	4.7	3.3	2.6	0.8	1.4	1.6	2.6	2.9	0.8	6.5
23	3.4	3.7	4.2	4.4	4.7	4.3	3.7	3.0P	2.8	3.5	4.1	5.1	5.8	5.9	5.6	5.8	5.1	3.6	2.5	1.6	1.5	1.8	2.4	2.1	1.5	5.9
24	2.0	2.8	2.4	2.4	2.4	3.2	2.7	2.2P	3.2	3.9	4.5	5.0	4.8	5.4	5.2	6.2	5.5	4.6	3.6	1.9	1.5	1.4	2.1	2.0	1.4	6.2
25	1.8	1.5	1.9	2.7	3.8	2.7	1.9	2.0P	2.2	2.8	2.2	3.8	4.6	4.6	4.8	4.5	4.4	3.7	2.2	1.4	1.7	1.7	2.0	1.7	1.4	4.8
26	2.7	2.9	4.3	4.6	3.0	2.8	4.6	4.2P	3.1	2.2	3.1	3.9	5.1	5.1	4.9	4.5	4.4	2.9	2.8	1.6	1.4	2.6	3.8	3.6	1.4	5.1
27	3.8	2.7	2.1	2.1	1.9	2.6	4.3	3.6P	3.1	3.6	3.4	4.9	5.3	6.8	6.4	6.4	6.0	4.8	3.9	2.5	2.0	1.6	2.2	2.4	1.6	6.8
28	2.5	3.9	2.8	3.1	3.2	2.6	4.4	4.4P	2.9	3.1	2.7	4.6	4.6	4.8	4.8	4.6	4.2	3.5	2.3	0.9	1.7	2.0	1.9	2.4	0.9	4.8
29	3.5	4.3	2.3	4.0	2.7	2.4	3.4	2.9P	3.2	4.4	4.4	4.6	6.0	5.9	6.2	5.3	4.8	3.9	2.8	2.2	1.8	1.3	2.2	2.0	1.3	6.2
30	1.6	2.1	3.5	2.4	3.2	2.1	2.2	2.2P	3.8	4.3	4.0	3.3	5.6	5.3	5.4	4.7	4.4	3.5	2.3	1.9	1.6	1.5	1.8	1.9	1.5	5.6
31	2.1	2.9	2.5	2.5	2.4	2.6	1.9	2.4P	3.5	4.2	5.6	5.6	6.0	6.2	5.3	4.6	4.4	4.0	2.2	1.7	1.4	1.6	1.7	1.5	1.4	6.2

Flags:
P = Power Failure - Valid Hour

	Ave	Min	Max
Monthly:	3.5	0.7	9.0

Monthly Matrix SO2 (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	-2C	9995c	-1C	-2	-2	-2	-2	-2P	-2	9995c	9995c	0	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	0
02	-2C	9995c	2C	-1	-2	-2	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-3	-2	-2	-3	-2	-2	-2	-3	-3	2
03	-3C	9995c	2C	-1	-2	-2	-2	-2P	-2	-2	-2	-2	-3	-3	-2	-2	-2	-3	-2	-3	-3	-2	-2	-2	-3	2
04	-2C	9995c	3C	-1	-2	-2	-2	-2P	-2	-2	-2	-2	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-3	-2	-3	3
05	-2C	9995c	3C	0	-1	-2	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-3	-3	3
06	-2C	9995c	2C	-1	9995c	-1	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	0	-2	-2	-2	-2	-2	2
07	-2C	9995c	1C	-1	-2	-2	-2	-2P	-2	-2	-2	-2	-2P	9978p	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1
08	-3C	9995c	1C	-1	-2	-2	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-3	1
09	-2C	9995c	3C	-1	-2	-2	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	3
10	-3C	9978p	9978p	9978p	9978p	9978p	9978p	-2P	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-3	-1
11	-2C	9995c	-2C	-2	-2	-2	-2	-2P	-2	-2	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-3	-2
12	-2C	9995c	5C	1	-1	-1	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2P	-2	-2	-2	-2	-2	-2	-2	5
13	-2C	9995c	4C	0	9995c	0C	-1	-1P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2P	-2	-2	6	14	15	-2	15
14	28C	9995c	111C	115	127	130	65	57P	155	126	17	2	0	-1	-1	-1	-2	-2	-1	-2	-2	-2	-2	-1	-2	155
15	1C	9995c	28C	37	100	97	65	99P	163	221	121	5	3	3	1	3	11	7	0	-1	0	0	0	-1	-1	221
16	-1C	9995c	11C	11	16	26	20	71P	192	96	15	2	1	0	0	0	0	3	2	0	-1	-1	-2	-2	-2	192
17	-2C	9995c	2C	0	-1	-1	-1	-1P	-2	-2	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2
18	-2C	9995c	0C	-1P	-1	-2	-2	-1P	-2	-2	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	0
19	-2C	9995c	2C	-1	-1	-2	-2	-2P	-2	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2
20	-2C	9995c	1C	-1	9995c	0C	0	-1P	-2	-2	-2	-1	-1	-1	-1	-2	-2	0	-1	-2	-2	-2	-2	-2	-2	1
21	-2C	9995c	2C	-1	-1	-2	-2	-2P	-2	-2	-2	0	-1	-1	1	6	0	-2	9978p	13P	38	38	23	19	-2	38
22	26C	9995c	15C	13	14	23	55	79P	32	3	2	0	0	-1	-1	-1	-1	1	4	3	0	-1	-1	-1	-1	79
23	-2C	9995c	2C	-1	-1	-2	-1	-1P	-1	4	0	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	4
24	-2C	9995c	1C	-1	-2	-2	-2	-1P	-2	-2	1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1
25	-2C	9995c	3C	0	-1	-2	0	-1P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	3
26	-2C	9995c	2C	0	-1	4	-1	-2P	-2	-2	-2	-2	-2	-2	0	1	-1	0	1	-1	-2	-2	-2	-2	-2	4
27	-2C	9995c	3C	0	9995c	3C	0	-1P	-1	1	0	-2	-1	-1	-1	-1	1	1	-1	-2	-2	-2	-2	-2	-2	3
28	-2C	9995c	2C	0	-1	-2	-2	-2P	-2	-2	-2	-1	-2	-2	-2	-2	2	3	0	-2	-2	-2	-2	-2	-2	3
29	-2C	9995c	4C	0	-1	-1	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	4
30	-2C	9995c	3C	0	-1	-2	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	3
31	-2C	9995c	2C	0	-1	-2	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2

Flags:
C = Calibration - Valid Hour
c = Calibration - Invalid Hour (9995)
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

	Ave	Min	Max
Monthly:	3	-3	221

Monthly Matrix PM2.5 (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	11	10	9	8	9	9	8	6	7	11	11	11	13	13	12	12	9	10	10	9	10	12	13	12	6	13
02	12	12	9	9	10	10	9	8	7	5	5	7	9	7	7	8	6	6	6	7	7	8	8	7	5	12
03	8	7	3	2	2	4	5	5	5	6	5	3	3	4	4	2	1	4	4	1	2	6	7	5	1	8
04	5	2	1	3	4	5	3	-1	1	2	1	1	0	1	3	5	6	3	0	-1	1	3	2	0	-1	6
05	1	3	3	5	2	1	3	5	5	4	3	4	5	7	7	6	4	4	4	4	5	5	5	6	1	7
06	6	6	5	3	2	4	5	4	3	5	5	5	6	7	5	5	4	5	5	5	5	3	6	6	2	7
07	6	7	4	3	4	4	4	4	6	4	5	6	5	0P	1	0	2	1	1	2	2	4	5	3	0	7
08	0	1	3	4	4	3	1	4	7	7	6	6	6	5	3	3	5	7	4	2	3	2	3	5	0	7
09	5	3	6	6	4	5	5	5	4	6	4	4	4	4	6	6	7	8	5	6	5	4	5	5	3	8
10	4	9978p	9978p	9978p	9978p	9978p	9978p	5	7	6	7	8	6	5	6	3	3	4	2	4	5	5	4	2	2	8
11	1	1	1	1	0	2	4	4	5	5	2	5	8	8	5	3	4	5	7	8	5	3	4	5	0	8
12	5	5	4	4	4	5	7	5	4	5	4	7	11	10	10	12	13	14	12	12	12	10	10	13	4	14
13	13	11	9	9	8	5	7	7	5	7	11	9	7	7	4	1	4	6	0P	7	9	9	26	36	0	36
14	31	54	106	115	102	102	99	36	28	73	56	9	9	8	5	5	4	5	4	2	4	8	8	8	2	115
15	11	19	26	24	31	74	65	47	47	68	90	52	2	3	5	4	5	5	6	8	6	5	6	6	2	90
16	7	9	12	24	27	26	34	26	50	90	44	9	6	3	5	8	7	6	5	7	8	8	11	12	3	90
17	9	10	10	11	10	7	8	7	6	7	6	5	3	3	3	2	6	7	2	4	8	8	7	7	2	11
18	7	10	8	0P	6	6	6	5	3	2	2	2	2	-1	-2	1	5	5	2	3	5	9	7	5	-2	10
19	6	7	5	4	5	6	4	1	3	4	4	4	4	6	5	4	8	10	6	1	3	8	7	3	1	10
20	5	5	4	5	4	4	3	2	1	1	1	-1	3	4	3	4	3	4	6	4	4	5	4	5	-1	6
21	4	5	9	8	8	7	6	7	7	6	7	7	7	8	10	10	9979d	9979d	9978p	9979d	-14	36	38	37	-14	38
22	30	30	19	18	23	30	24	35	40	16	5	6	5	4	5	5	5	2	3	6	5	4	8	11	2	40
23	8	7	7	6	5	4	2	3	4	3	5	4	1	4	7	4	3	3	2	2	1	4	6	5	1	8
24	5	6	4	1	2	1	3	5	2	1	6	8	4	4	7	8	7	5	5	8	8	7	5	3	1	8
25	3	5	8	6	5	4	4	4	1	1	0	0	4	4	3	3	6	8	7	5	4	8	8	5	0	8
26	5	4	6	6	3	4	5	3	1	1	1	3	3	3	5	8	6	2	2	4	5	4	3	2	1	8
27	3	5	5	1	-1	0	1	3	3	3	5	4	2	1	2	3	1	1	4	4	5	3	2	3	-1	5
28	2	4	2	2	1	2	5	3	3	4	3	2	2	2	2	6	6	3	3	3	7	9	9	9	1	9
29	7	5	6	8	6	5	4	6	8	5	1	3	5	4	5	6	6	6	5	3	3	3	4	5	1	8
30	5	7	6	5	5	4	3	3	1	1	5	5	3	4	5	4	5	4	5	5	4	4	5	8	1	8
31	7	7	7	5	4	5	4	3	5	6	6	7	6	3	2	1	1	4	4	3	4	5	4	4	1	7

Flags:
d = Off-Line Part of Hour - Invalid Hour (9979)
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly:	Ave	Min	Max
	8	-14	115

Wind Direction (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: WD (DEG) Wind Direction
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	260	259	256	261	262	260	262	256P	313	46	68	67	44	56	51	48	49	49	59	228	263	250	259	262
02	251	265	258	265	261	264	265	266P	329	70	288	58	46	85	144	243	252	276	56	291	261	256	260	269
03	267	269	268	265	296	268	247	251P	290	85	133	259	129	102	334	347	280	263	259	242	271	271	279	280
04	273	277	270	279	271	256	255	266P	248	114	100	71	43	70	128	85	87	82	211	269	276	248	266	283
05	276	252	272	278	279	253	277	276P	262	264	268	303	144	55	65	59	54	84	216	232	259	266	268	276
06	337	257	265	258	267	261	253	250P	176	218	276	193	189	103	92	109	99	98	97	193	256	256	266	145
07	255	263	266	268	268	272	26	253P	277	290D	46D	25D	32P	9978p	62	59	60	114	198	269	264	255	255	277
08	250	283	276	246	275	273	272	278P	282	354	354	106	67	49	64	28	55	18	350	267	254	254	250	263
09	269	258	260	272	258	270	263	237P	230	266	202	64	58	42	56	49	48	27	89	57	271	263	265	268
10	270	9978p	9978p	9978p	9978p	9978p	9978p	269P	264	283	63	291	64	61	2	46	286	273	265	265	283	263	265	257
11	287	263	271	260	273	271	250	300P	286	273	41	65	72	355	266	89	107	93	141	257	264	263	266	247
12	257	222	260	262	255	229	252	240P	221	144	225	283	132	49	35	354	49	53P	217	215	267	264	159	252
13	257	236	255	256	262	263	256	246P	140	104	113	100	98	95	91	111	270	265	268P	258	265	261	266	270
14	263	267	262	263	264	264	263	272P	79	52	48	42	65	64	40	4	357	329	311	271	257	264	263	260
15	260	263	260	266	261	264	263	290P	74	64	56	60	85	89	80	92	90	105	108	115	123	113	311	255
16	267	264	263	263	262	264	264	281P	81	73	38	76	81	90	91	89	87	105	116	185	258	264	265	263
17	265	260	265	262	257	263	264	223P	139	105	95	55	53	49	53	48	41	45	359	266	263	267	259	260
18	259	259	267	266P	263	261	260	272P	63	61	53	67	61	56	61	63	60	49	5	274	271	275	273	270
19	250	271	284	269	271	261	258	228P	136	92	55	48	47	67	59	60	63	60	22	281	271	266	257	265
20	265	259	264	264	272	18	256	240P	75	65	67	68	51	67	55	53	82	93	127	236	258	248	245	250
21	250	247	256	253	252	253	245	193P	155	131	116	89	107	89	102	109	270	273	9978p	246P	255	257	264	265
22	269	266	263	258	255	258	256	242P	178	116	64	62	71	50	73	68	67	84	104	140	256	267	268	264
23	263	265	263	258	258	259	259	242P	101	39	51	52	54	50	40	52	61	57	34	281	270	272	261	260
24	259	263	269	264	259	259	260	246P	79	54	64	56	51	58	54	45	62	61	54	357	303	273	285	247
25	265	265	276	262	261	289	239	261P	245	251	249	345	56	44	50	54	60	57	18	260	264	265	278	272
26	284	263	270	274	273	191	268	273P	288	159	233	104	73	44	102	89	85	99	271	261	226	239	265	268
27	262	262	264	266	257	264	260	275P	158	145	76	44	68	80	87	109	103	108	128	128	147	245	198	266
28	260	263	166	185	274	256	267	263P	267	187	96	32	14	358	46	55	91	86	125	233	265	262	267	259
29	255	264	263	268	269	259	261	278P	30	69	67	49	52	48	52	50	50	27	355	312	292	280	283	282
30	264	240	277	270	265	276	272	261P	282	65	58	63	68	59	55	63	35	34	31	249	275	273	258	266
31	263	260	262	285	270	265	265	257P	88	59	40	68	53	52	60	59	56	61	345	330	309	268	258	268

Flags:
D = Off-Line Part of Hour - Valid Hour
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly Ave: 192

Wind Speed (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: WS (MPH) Wind Speed
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	9.4	23.2	15.0	16.8	16.3	16.2	16.7	25.5P	45.8+	72.8+	62.9+	59.1+	38.0	46.3	54.5	71.0+	66.9+	9979m	9979m	9979m	78.7+	93.7+	82.6+	65.6	9.4	93.7
02	47.8	45.0	42.1	43.6	39.6	41.0	41.5	43.2P	48.4	43.5	45.7	49.7	49.7	54.7	55.0	48.7	49.8	49.5	47.8	51.2	59.4	42.0	39.0	45.4	39.0	59.4
03	47.1	45.7	47.2	40.8	43.4	43.9	46.2	46.6P	47.3	37.8	38.0	40.1	36.0	39.6	39.6	38.5	38.3	35.3	36.0	38.6	47.4	46.6	47.6	52.3	35.3	52.3
04	37.2	30.7	37.1	42.6	36.9	45.5	48.8	49.8P	48.7	45.8	44.9	44.9	48.0	45.6	36.5	34.3	46.0	47.1	43.4	38.8	36.2	38.7	40.3	39.1	30.7	49.8
05	38.7	37.9	39.4	36.4	36.4	37.6	38.8	39.8P	38.9	39.3	40.5	38.7	37.0	39.7	40.4	41.6	39.7	40.9	39.2	40.7	38.6	38.5	39.1	41.3	36.4	41.6
06	46.0	44.4	44.5	41.9	45.9	49.8	49.2	47.5P	48.9	57.3	53.1	46.3	40.7	46.1	51.0	53.7	54.3	49.3	50.4	52.3	49.4	44.9	46.0	46.7	40.7	57.3
07	50.7	45.7	49.8	48.9	46.3	46.6	42.6	44.4P	46.2	9979d	9979d	9979d	9978p	9978p	6.1	4.3	5.2	4.1	2.0	3.4	2.5	3.5	2.7	5.1	2.0	50.7
08	3.6	3.8	3.3	2.5	4.3	3.5	3.9	3.9P	5.2	1.9	3.6	4.3	6.6	4.9	5.1	3.5	4.1	2.6	3.3	3.6	2.9	2.1	4.0	4.1	1.9	6.6
09	3.7	2.6	3.0	3.4	3.8	3.9	3.5	2.6P	3.1	4.7	2.9	2.4	6.0	3.5	4.2	3.9	3.4	4.0	4.9	2.5	2.8	2.7	2.8	3.0	2.4	6.0
10	3.4	9978p	9978p	9978p	9978p	9978p	9978p	2.2P	1.9	3.8	3.5	2.8	2.9	5.6	4.0	4.2	4.1	3.0	2.1	2.5	2.7	3.5	2.3	3.1	1.9	5.6
11	4.2	3.0	3.5	3.4	4.6	4.7	3.0	4.3P	5.6	3.6	1.9	4.9	5.5	4.6	2.5	4.7	2.5	2.1	2.6	2.3	2.9	2.7	3.4	2.7	1.9	5.6
12	2.8	4.1	4.0	3.4	3.1	2.3	3.1	2.1P	1.7	2.7	2.0	4.4	2.1	2.8	2.4	2.9	2.5	2.0P	1.0	1.6	2.7	2.6	1.6	2.4	1.0	4.4
13	2.9	3.0	2.3	2.9	2.8	2.8	3.1	2.9P	3.0	5.0	5.0	6.3	7.7	6.0	6.1	4.0	2.6	2.7	1.8P	2.0	2.7	2.5	2.5	2.4	1.8	7.7
14	2.5	2.7	2.7	2.9	3.0	3.1	3.2	1.6P	2.1	2.9	4.1	5.1	5.4	4.7	3.7	3.4	3.8	4.4	4.2	2.9	1.8	2.0	2.2	2.5	1.6	5.4
15	3.1	2.9	2.8	2.3	2.6	3.0	2.9	1.9P	2.3	3.5	4.1	5.1	6.7	6.9	6.0	6.2	5.2	4.5	3.4	2.2	0.9	0.2	0.7	1.9	0.2	6.9
16	2.5	2.2	2.9	2.5	3.0	2.8	2.8	1.6P	2.5	2.9	3.8	4.4	4.2	5.0	3.9	4.8	4.4	3.5	2.2	0.7	1.7	2.3	2.6	2.9	0.7	5.0
17	2.7	3.2	3.3	3.4	4.0	3.5	3.1	2.1P	3.0	4.3	4.5	6.5	5.2	5.0	4.9	4.4	4.1	3.1	1.5	2.1	2.4	2.3	2.8	3.1	1.5	6.5
18	3.5	4.0	3.8	3.5P	3.4	3.9	3.4	1.9P	3.2	3.8	2.9	5.1	5.2	5.3	5.0	4.6	5.4	3.2	1.1	2.5	3.1	4.4	3.7	3.1	1.1	5.4
19	2.7	2.9	3.6	3.2	3.9	3.5	3.6	1.5P	1.6	3.8	5.4	5.0	5.7	5.3	5.6	5.1	4.8	4.2	2.1	2.1	2.8	3.1	3.4	3.2	1.5	5.7
20	3.3	3.7	3.3	2.9	3.0	1.8	2.0	2.6P	2.1	3.6	3.6	4.5	4.9	5.0	4.9	4.6	4.6	4.3	2.7	1.3	2.1	2.1	2.5	2.7	1.3	5.0
21	2.2	1.9	2.1	3.0	3.5	3.3	3.5	2.1P	3.7	4.5	5.4	6.8	6.6	6.2	5.1	4.6	3.7+	2.9	9978p	2.1P	1.8	1.9	2.2	2.3	1.8	6.8
22	2.7	2.8	3.0	3.2	3.6	3.2	3.4	2.9P	2.2	2.9	5.1	4.6	4.4	5.5	5.4	4.8	3.8	2.7	2.7	1.0	1.7	2.0	1.9	2.2	1.0	5.5
23	2.0	2.7	3.5	3.8	4.0	4.1	3.8	1.9P	2.9	3.6	4.8	5.4	5.8	5.4	4.6	4.8	5.0	3.2	1.5	2.4	3.0	3.4	3.3	3.3	1.5	5.8
24	3.6	3.5	4.0	3.6	4.0	3.8	3.4	2.4P	4.2	3.1	3.0	5.3	5.1	5.9	5.3	5.1	5.9	4.4	3.3	1.7	2.6	2.5	3.5	2.0	1.7	5.9
25	2.2	2.6	4.2	3.6	3.3	2.5	1.7	2.8P	3.4	4.0	3.0	3.5	2.8	2.2	3.5	3.3	3.9	2.8	1.8	2.0	2.0	2.3	3.1	3.5	1.7	4.2
26	3.7	3.2	4.6	4.4	3.9	2.1	6.1	5.4P	4.1	3.0	2.6	2.9	4.2	2.5	3.1	3.8	4.7	3.0	2.6	2.6	2.9	3.2	3.3	3.7	2.1	6.1
27	2.8	2.9	2.7	2.9	2.4	2.7	3.5	4.4P	1.1	2.4	2.9	4.6	4.3	4.8	5.4	4.4	5.4	4.1	2.6	2.3	1.4	1.8	2.5	2.2	1.1	5.4
28	1.9	2.8	1.9	1.7	5.2	4.7	4.1	3.7P	3.3	2.6	3.8	4.5	3.4	3.2	3.8	3.4	3.7	2.8	2.2	1.5	2.1	2.2	2.2	2.2	1.5	5.2
29	2.7	2.9	2.6	3.0	2.9	3.1	2.8	2.2P	2.3	4.1	5.5	4.9	5.1	5.3	5.5	4.9	4.1	2.2	1.8	3.4	3.4	3.3	4.0	3.2	1.8	5.5
30	3.2	3.6	3.8	4.0	2.9	3.0	4.7	3.4P	3.8	3.2	4.6	5.3	7.6	6.0	4.7	4.7	3.0	2.2	0.9	1.4	2.5	3.2	2.6	3.1	0.9	7.6
31	2.7	3.1	2.8	2.5	3.1	2.6	2.5	1.8P	2.2	3.7	5.0	4.5	4.5	5.2	6.3	5.1	5.7	3.4	2.5	1.2	2.2	2.9	2.4	2.8	1.2	6.3

Flags:
+ = Positive Over Range - Valid Hour
d = Off-Line Part of Hour - Invalid Hour (9979)
m = Positive Over Range - Invalid Hour (9979)
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly:	11.8	0.2	93.7
	Ave	Min	Max

Monthly Matrix SO2 (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	9995c	4	3	3	4	3	3	3P	3	5	7	18	19	18	11C	9995c	9C	18	24	18	12	12	9	8	3	24
02	9995c	6	4	5	6	4	4	5P	8	29	41	40	21	10	5	10	49	57	63	66	44	39	25	21	4	66
03	9995c	17	17	12	12	10	10	10P	14	16	20	20	16	15	15	14	11	11	12	9	7	7	8	7	7	20
04	9995c	5	4	3	3	3	3	5P	7	5	6	7	4	4	4	7	9	13	24	18	8	8	5	4	3	24
05	9995c	4	4	4	4	4	3	4P	6	4	3	2	2	2	3	7	6	5	4	3	2	2	2	3	2	7
06	9995c	3	2	9995c	2	2	2	2P	25	28	19	14	8	15	18	17	17	12	7	8	9	8	7	7	2	28
07	9995c	5	4	3	3	3	2	6P	17	33	26	19	13	10	6	19	25	25	17	9	6	7	10	7	2	33
08	9995c	6	5	4	4	4	5	6P	11	23	16	27	20	11	11	6	4	9978p	9978p	18	13	13	13	10	4	27
09	9995c	9	6	7	11	10	8	10	25	27	32	53	39	50	55	45	49	47	53	39	42	44	22	13	6	55
10	9995c	10	11	9	8	10	14	13P	10	16	24	22	27	36	38	32	31	33	25	17	12	10	9	11	8	38
11	9995c	11	11	10	9	10	11	23P	27	18	31	25	13	18	18	10	21	43	35	25	20	17	12	8	8	43
12	9995c	5	5	5	4	4	4	4P	7	7	7	9	15	11	9	8	12	14	16	12	6	5	5	4	4	16
13	9995c	4	3	9995c	3	2	2	2P	5	7	13	13	14	13	10	4	5	9	10	9	7	7	7	6	2	14
14	9995c	3	3	4	4	4	4	7P	5	6	6	6	7	6	6	5	4	3	2	3	3	2	2	2	2	7
15	9995c	3	2	2	3	4	11	9P	9	6	4	7	10	11	10	8	8	9	4	5	5	8	6	5	2	11
16	9995c	6	6	6	7	4	4	7P	11	10	9	10	10	10	9	8	6	8	7	6	6	6	9	10	4	11
17	9995c	8	8	7	8	8	11	11P	14	13	27	29	24	33	23	18	11	6	5	5	5	4	3	3	3	33
18	9995c	4	4	4	4	4	3	4P	4	13	20	11	10	12	11	7	6	6	5	5	5	4	4	3	3	20
19	9995c	4	5	5	5	4	4	12P	14	10	5	5	10	15	13	8	6	6	6	6	5	5	4	5	4	15
20	9995c	5	5	9995c	3	3	4	8P	10	10	21	23	29	41	34	22	15	11	10	8	6	8	15	10	3	41
21	9995c	9	5	6	5	4	4	5P	5	5	10	9	3	3	3	3	3	4	5	6	4	2	3	3	2	10
22	9995c	3	2	2	2	2	2	3P	4	4	4	4	4	3	3	2	2	3	3	3	4	3	3	2	2	4
23	9995c	3	3	5	4	4	4	14P	19	10	7	9	11	18	20	12	11	8	8	13	16	16	11	11	3	20
24	9995c	9	5	6	8	15	15	38P	28	39	52	56	55	58	75	69	24	15	13	10	14	19	27	29	5	75
25	9995c	26	22	17	22	21	22	26P	26	18	15	26	50	57	57	50	44	41	36	23	18	11	10	11	10	57
26	9995c	8	8	9	11	9	4	4P	5	10	11	11	28	21	19	30	24	18	21	16	22	33	32	24	4	33
27	9995c	20	19	9995c	8	8	6	12P	15	17	17	19	18	17	34	43	39	65	64	52	41	37	25	18	6	65
28	9995c	17	14	10	10	8	7	13P	20	18	18	17	17	21	26	31	33	38	32	21	18	11	8	7	7	38
29	9995c	6	5	4	4	3	3	3P	5	11	15	16P	16P	10P	6	12	42	44	32	23	15	11	8	9	3	44
30	9995c	7	4	4	5	4	4	3P	3	4	5	3	4	10	24	27	38	44	34	17	14	9	8	5	3	44
31	9995c	5	5	5	5	6	5	6P	6	3	3	3	7	10	13	23	32	29	22	23	27	20	13	9	3	32

	Ave	Min	Max
Monthly:	13	2	75

Flags:
- C = Calibration - Valid Hour
- c = Calibration - Invalid Hour (9995)
- P = Power Failure - Valid Hour
- p = Power Failure - Invalid Hour (9978)

Monthly Matrix PM2.5 (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	24	21	23	23	20	18	25	22	20	15	17	21	23	26	22	22	21	18	31	42	35	31	26	27	15	42
02	30	30	23	18	25	22	25	26	26	29	35	38	34	19	21	18	20	40	45	45	44	49	60	51	18	60
03	46	38	31	25	27	25	23	26	24	26	26	26	24	20	23	18	19	18	20	21	31	31	27	29	18	46
04	31	27	18	13	14	12	8	9	13	15	10	16	22	9	11	12	19	24	31	50	45	26	30	29	8	50
05	28	23	29	22	17	23	19	19	14	19	13	10	7	5	4	5	10	12	12	10	6	7	5	6	4	29
06	10	9	6	4	3	5	6	5	4	7	11	16	12	11	16	24	25	24	27	13	19	21	19	20	3	27
07	18	20	19	16	13	14	14	14	24	24	28	25	22	22	26	17	23	34	25	21	21	26	26	31	13	34
08	28	30	23	23	20	15	17	19	19	11	17	16	23	14	14	18	11	9978p	1	1	38	25	25	22	1	38
09	17	10	11	9	10	20	12	16	15	19	17	20	31	31	45	49	52	58	59	66	63	59	61	34	9	66
10	32	32	29	35	34	28	31	34	26	16	19	21	21	30	37	41	40	40	32	29	29	31	29	24	16	41
11	34	39	33	32	25	26	21	17	23	16	17	26	19	9	19	19	12	21	36	30	31	27	25	20	9	39
12	17	11	18	15	20	18	17	16	16	13	12	13	12	18	16	15	17	18	26	25	16	11	13	15	11	26
13	14	17	18	18	11	16	7	9	13	17	19	21	19	21	26	18	12	16	28	31	26	25	25	22	7	31
14	21	11	11	12	13	18	25	16	23	17	18	16	19	16	19	14	16	12	8	4	4	6	7	7	4	25
15	4	4	2	2	8	12	24	33	24	17	8	9	12	17	18	12	12	16	16	1	17	27	39	28	1	39
16	17	44	43	42	42	36	33	27	26	24	19	26	26	37	34	28	32	38	28	33	35	35	35	46	17	46
17	45	35	38	36	39	34	38	40	44	40	36	44	45	45	55	42	38	28	28	33	25	27	24	22	22	55
18	27	23	17	18	19	18	15	16	16	17	25	24	19	20	23	22	13	12	11	11	17	28	24	22	11	28
19	12	14	23	21	25	25	22	16	21	16	10	10	10	7	10	19	10	9	10	10	11	16	22	24	7	25
20	20	21	18	18	20	18	17	18	25	25	23	23	9979d	25	25	20	27	16	16	16	16	20	20	18	16	27
21	16	21	16	15	19	15	14	12	12	18	10	12	10	7	7	5	8	10	10	11	9	5	4	8	4	21
22	9	11	13	13	12	10	10	10	20	14	12	11	11	12	13	11	11	10	12	15	11	17	20	14	9	20
23	19	17	21	20	20	15	15	16	24	18	15	17	19	17	26	23	29	30	27	15	26	32	22	17	15	32
24	19	21	21	16	20	19	18	17	21	15	22	23	23	27	31	34	30	24	23	25	19	30	35	35	15	35
25	33	36	36	35	31	32	33	32	35	30	26	21	34	38	45	43	41	43	43	42	26	31	20	28	20	45
26	33	31	21	18	16	21	15	9	10	8	16	14	19	30	28	29	45	36	36	32	37	41	49	49	8	49
27	39	32	35	29	29	19	18	21	23	29	31	30	32	26	28	39	46	58	63	54	61	59	54	49	18	63
28	43	41	31	40	35	32	24	28	42	38	35	32	30	27	29	40	51	43	50	32	25	21	15	15	15	51
29	13	12	13	11	10	19	11	8	8	18	20	0P	9979d	-14	18	11	21	42	45	47	30	31	20	20	-14	47
30	17	13	18	9	8	11	11	16	9	7	6	9	9	7	10	27	30	41	44	35	23	27	24	20	6	44
31	22	14	13	19	25	24	19	14	13	13	8	4	8	9	11	19	28	40	45	34	40	48	40	34	4	48

	Ave	Min	Max
Monthly:	23	-14	66

Flags:
- d = Off-Line Part of Hour - Invalid Hour (9979)
- P = Power Failure - Valid Hour
- p = Power Failure - Invalid Hour (9978)

Wind Direction (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: WD (DEG) Wind Direction
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	64	66	78	83	73	75	78	6P	319	291	282	293	293	300	301	274	312	0	101	108	84	71	75	50
02	37	70	96	92	83	63	80	5P	311	288	256	256	280	270	287	274	259	306	259	196	78	78	59	64
03	81	82	84	87	78	78	73	99P	262	273	254	249	214	210	190	183	215	273	353	82	65	73	73	60
04	62	66	64	76	80	82	74	104P	207	250	242	253	248	293	291	288	285	289	247	66	57	55	60	50
05	53	42	31	42	53	79	77	125P	207	226	272	288	286	291	289	288	298	305	275	94	63	94	49	38
06	65	60	64	63	66	67	69	82P	189	210	247	241	253	297	319	295	341	1	343	19	25	17	61	37
07	44	54	58	58	59	64	77	359P	330	279	251	247	225	251	250	274	283	275	188	85	88	87	73	78
08	76	72	76	78	74	73	67	59P	267	265	268	278	266	281	255	106	38	9978p	9978p	100	84	109	94	104
09	92	104	75	91	85	85	66	51	297	264	255	264	263	280	306	290	279	143	132	95	104	115	64	82
10	96	89	79	71	76	72	60	36P	313	279	254	241	267	284	273	273	286	297	331	54	80	80	83	71
11	68	66	73	66	77	72	71	84P	224	243	242	256	265	267	236	269	276	312	321	45	67	69	65	82
12	78	78	78	72	72	68	79	108P	204	250	280	282	298	298	279	287	291	308	318	342	12	57	91	69
13	64	56	65	96	95	84	68	60P	296	301	301	303	291	275	235	133	63	71	71	70	63	50	31	31
14	25	24	57	48	41	57	75	178P	287	336	261	257	242	197	230	191	202	211	212	119	97	89	82	78
15	86	85	71	65	77	69	64	13P	240	237	254	253	242	258	235	272	277	213	191	40	63	57	78	67
16	61	50	53	80	54	64	68	348P	255	269	284	269	284	275	235	93	16	315	38	29	25	43	45	48
17	60	71	79	84	76	72	52	3P	304	298	304	322	326	339	357	42	56	67	72	79	104	80	77	29
18	69	65	62	56	19	40	59	338P	327	298	294	279	259	256	270	274	273	249	169	101	94	85	63	77
19	89	90	73	96	99	106	113	127P	176	236	251	271	293	354	87	197	201	179	169	104	78	70	71	69
20	61	62	63	60	57	72	74	273P	186	183	208	218	182D	277D	276	344	309	340	14	37	68	51	66	62
21	73	69	70	74	66	69	87	52P	272	254	255	257	263	284	306	342	355	359	355	325	30	44	67	44
22	78	73	78	71	73	73	57	342P	309	289	267	269	267	292	296	6	5	36	32	59	353	15	36	64
23	73	65	55	60	80	83	86	131P	256	278	296	299	282	233	168	55	41	60	32	50	26	48	67	95
24	117	39	59	91	94	85	88	89P	181	205	258	266	261	265	262	276	267	237	298	107	89	78	60	71
25	55	67	86	93	97	98	103	119P	180	230	278	275	292	313	317	304	315	321	337	3	42	46	79	69
26	59	50	44	55	66	39	60	24P	308	285	291	302	310	308	318	325	16	28	54	66	51	44	46	48
27	48	46	50	47	67	72	80	187P	208	255	261	271	286	287	317	329	321	320	336	17	45	47	59	78
28	86	80	62	59	82	88	73	64P	322	308	290	291	288	266	270	263	293	295	325	355	314	5	47	65
29	67	67	60	55	69	69	66	34P	289	256	253	243P	254P	305P	303	286	294	296	8	37	66	87	63	135
30	213	168	95	97	116	111	111	134P	168	207	248	248	273	284	294	284	258	268	242	35	56	61	77	71
31	51	70	75	90	94	101	94	165P	221	240	241	245	282	292	309	326	10	3	34	34	55	57	81	92

Flags:
D = Off-Line Part of Hour - Valid Hour
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly Ave: 155

Report Template Nr 12, Wind Direction Matrix, Version 3.0
Report Printed: 02 Jun 2008 11:30

Wind Speed (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: WS (MPH) Wind Speed
Month/Year: May 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	3.2	3.6	4.4	4.0	4.3	4.1	3.6	1.2P	2.2	3.7	4.8	5.4	5.1	4.2	3.1	3.1	1.6	0.6	0.8	1.9	1.7	1.8	2.1	2.6	0.6	5.4
02	2.2	2.0	3.7	3.2	2.8	2.7	3.3	1.2P	2.4	4.5	4.0	2.5	3.4	5.0	3.6	3.8	3.1	2.0	1.5	1.0	3.0	3.4	2.8	3.9	1.0	5.0
03	3.4	2.6	3.2	3.8	3.1	3.4	3.6	1.9P	2.0	4.0	4.7	4.6	2.8	3.0	2.3	1.2	1.2	1.5	0.9	4.2	3.2	2.9	3.3	3.4	0.9	4.7
04	3.1	3.5	3.9	5.2	4.6	5.3	4.7	2.9P	2.3	4.2	4.5	5.2	4.3	4.1	4.8	7.4	5.7	4.3	2.5	2.9	3.1	3.9	3.5	3.4	2.3	7.4
05	3.9	3.1	2.4	4.2	3.1	4.4	3.8	2.5P	3.7	4.8	4.4	4.5	6.1	5.7	7.0	7.1	5.4	4.4	3.0	2.4	1.9	1.6	2.8	3.1	1.6	7.1
06	3.8	4.5	4.4	4.0	4.4	6.1	5.9	3.6P	1.9	2.8	4.8	4.5	5.2	4.3	3.2	4.1	2.7	2.5	2.6	2.0	2.6	2.5	2.3	2.2	1.9	6.1
07	2.7	3.4	2.5	2.0	3.1	3.5	3.9	1.6P	2.0	3.6	4.0	3.3	2.6	4.0	3.7	3.3	2.2	1.9	2.0	3.9	2.9	3.7	3.8	5.0	1.6	5.0
08	5.0	4.4	4.3	5.1	4.8	3.8	2.7	1.2P	2.1	4.3	4.9	4.3	4.1	4.9	3.6	1.9	2.2	9978p	9978p	4.7	3.5	3.6	2.5	4.0	1.2	5.1
09	6.0	4.0	4.8	4.9	4.3	3.5	3.3	3.2	4.2	4.1	4.4	4.4	3.9	4.6	3.7	4.6	3.4	1.9	0.8	2.8	3.1	3.7	3.0	5.4	0.8	6.0
10	5.4	5.6	4.8	3.7	4.6	4.2	4.2	1.8P	2.3	3.7	4.2	5.0	5.3	6.1	5.4	5.7	5.6	4.9	3.7	3.0	4.1	5.1	5.8	5.0	1.8	6.1
11	4.7	4.1	4.6	4.3	4.7	4.1	4.5	3.6P	3.0	3.8	4.6	5.6	5.1	4.5	3.7	3.5	4.7	2.9	2.6	2.2	3.1	2.6	2.4	3.6	2.2	5.6
12	3.2	3.7	3.6	4.3	3.8	4.4	5.5	2.3P	2.3	3.3	5.1	5.6	6.0	6.4	6.8	6.4	5.8	4.1	2.6	2.9	3.0	3.2	4.1	2.8	2.3	6.8
13	3.0	3.0	3.7	3.5	4.0	4.3	3.9	2.5P	3.6	4.0	3.6	4.6	4.4	4.1	4.6	2.8	3.5	5.9	5.5	4.3	3.6	3.4	3.0	3.2	2.5	5.9
14	3.0	3.1	3.4	3.4	2.7	3.4	4.1	2.1P	3.1	2.4	4.0	3.2	3.4	4.5	4.2	3.1	3.8	3.4	2.9	3.1	2.9	1.5	1.9	2.4	1.5	4.5
15	2.4	2.5	2.6	3.1	4.6	4.5	4.7	1.7P	2.4	3.4	3.1	4.3	4.0	4.3	3.8	2.9	1.7	1.8	2.6	2.0	1.8	2.1	3.1	2.8	1.7	4.7
16	2.9	1.5	2.1	2.6	1.9	3.3	3.6	1.5P	2.2	3.1	4.6	4.2	3.7	3.6	3.5	1.6	0.9	2.3	2.3	2.6	1.0	2.0	2.2	2.1	0.9	4.6
17	4.8	4.6	5.5	6.1	4.3	3.8	4.1	1.3P	3.1	5.2	4.4	4.3	3.4	2.8	2.5	1.8	1.6	2.9	3.7	3.9	3.0	3.9	3.6	2.5	1.3	6.1
18	3.8	2.8	2.7	3.3	1.8	2.8	3.2	2.8P	3.6	5.4	5.5	5.7	4.5	3.8	4.5	3.7	2.7	2.3	1.3	2.5	3.9	2.6	2.0	2.9	1.3	5.7
19	3.2	4.4	3.1	2.6	4.8	4.0	3.5	4.2P	4.4	4.4	3.7	4.6	5.4	2.3	1.9	2.9	3.4	4.0	2.9	2.6	4.3	4.4	4.7	4.1	1.9	5.4
20	4.8	4.0	3.5	4.0	4.4	4.4	3.5	1.7P	1.5	3.8	4.8	5.8	9979d	9979d	4.6	2.7	2.7	2.8	3.1	2.6	4.1	3.8	4.0	3.4	1.5	5.8
21	3.1	5.1	5.2	4.7	4.2	3.6	3.5	3.3P	3.5	4.8	5.0	3.7	3.5	4.2	4.5	4.0	3.8	2.9	2.9	3.7	3.0	2.3	3.1	4.0	2.3	5.2
22	5.2	4.1	4.5	4.7	7.0	4.6	3.9	2.5P	3.2	3.5	3.5	4.1	3.1	2.5	3.5	2.1	2.1	3.5	2.9	2.0	1.8	2.7	2.5	3.2	1.8	7.0
23	3.5	3.5	3.2	2.5	3.9	5.3	5.7	2.5P	3.0	3.2	3.7	4.2	3.2	1.3	1.1	2.0	2.5	2.2	3.1	2.2	1.2	1.1	1.9	1.3	1.1	5.7
24	1.6	1.2	2.8	2.1	2.4	4.5	4.0	3.5P	2.3	3.3	4.9	4.8	3.4	4.0	3.6	3.1	3.2	1.5	0.9	0.4	2.4	2.9	2.7	4.2	0.4	4.9
25	3.1	3.2	3.7	3.9	4.7	6.2	5.4	3.0P	3.3	4.6	4.4	5.5	5.8	6.3	6.2	6.5	6.4	3.9	2.4	1.9	1.7	2.3	2.6	2.9	1.7	6.5
26	2.7	2.4	2.3	2.0	2.4	1.9	2.6	1.2P	3.0	4.2	4.2	5.1	4.7	4.0	3.3	2.9	2.6	2.3	3.7	2.9	2.6	2.4	3.4	3.3	1.2	5.1
27	3.0	2.5	2.9	3.0	2.4	2.8	2.3	1.8P	2.3	3.9	3.8	2.9	2.3	4.3	4.9	3.5	4.0	3.5	2.6	2.4	2.7	1.3	1.8	2.4	1.3	4.9
28	2.9	3.2	3.3	3.3	4.0	5.3	3.7	3.1P	3.8	4.3	4.5	5.0	4.2	4.0	3.5	1.5	1.6	2.9	2.3	1.2	2.6	2.1	2.7	1.9	1.2	5.3
29	1.6	2.0	2.0	2.5	4.3	4.9	4.1	1.9P	3.0	3.4	4.0	3.5P	2.9P	3.3P	4.4	3.6	4.4	3.1	1.9	2.2	3.5	4.1	2.7	3.1	1.6	4.9
30	2.5	2.3	3.6	5.5	4.2	5.4	4.9	3.7P	5.5	4.5	4.4	3.6	3.7	4.2	3.8	3.7	2.6	2.6	1.7	2.5	3.1	3.1	3.1	2.9	1.7	5.5
31	2.3	2.4	4.2	4.4	4.0	4.2	3.2	3.1P	3.8	3.7	4.2	4.4	4.8	5.5	4.4	4.1	3.1	2.6	3.2	2.3	1.5	1.0	2.1	3.1	1.0	5.5

Flags:
d = Off-Line Part of Hour - Invalid Hour (9979)
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

	Ave	Min	Max
Monthly:	3.5	0.4	7.4