

Monthly Matrix SO2 (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Jun 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	3C	0	-1	-2	-2	-2P	-2	9995C	9995C	1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	3	
02	-2C	9995C	2C	0	-1	-2	-2	-2P	-1	1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2	
03	-2C	9995C	2C	-1	9995C	0C	-1	-1P	-2	-2	-2	-1	-2	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	2	
04	-2C	9995C	2C	-1	-1	-2	-2	-2P	-2	-2	-2	-2	-1	-2	-1	-1	1	6	11	1	-1	-2	-2	-2	-2	-2	11	
05	-2C	9995C	2C	0	-1	-2	-1	-1P	-1	1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2	
06	-2C	9995C	0C	-1	-1	-2	-1	-1P	-1	-2	0	-1	-1	-2	-2	-1	0	0	-1	-2	-2	-2	-2	-2	-2	-2	0	
07	-2C	9995C	6C	40	52	49	19	15P	3	1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-1	-2	-2	-2	-2	52		
08	-2C	9995C	5C	0	-1	-1	-2	-2P	-2	1	-1	-2	-2	-2	-2	0	2	2	2	0	-1	-1	-2	-2	-2	-2	5	
09	-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	-2	4	
10	-2C	9995C	4C	0	9995C	0C	-1	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	0	-2	-2	-2	-2	-2	4	
11	-2C	9995C	3C	0	-1	-1	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	3	
12	13C	9995C	16C	18	15	22	39	44P	20	3	1	9979d	9979d	0	-1	-2	-2	-2	-2	-2	-1	-1	-2	-2	-2	-2	44	
13	-2C	9995C	23C	11	5	3	1	0P	0	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	23	
14	-2C	9995C	0C	-1	-1	-1	-2	-1P	-1	-1	1	5	-1	-1	-2	-2	-2	-2	-1	-2	-2	-2	-2	-2	-2	-2	5	
15	-2C	9995C	3C	0	-1	-1	-2	-2P	-2	-2	1	0	-1	-2	-2	-2	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	3	
16	-2C	9995C	4C	0	-1	-1	-2	-2P	-2	-2	-1	0	-1P	-2	-2	0	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	4	
17	-2C	9995C	2C	0	9995C	10C	60	68P	28	2	0	0	-1	-1	-1	-1	0	0	-1	-2	-2	-2	-2	-2	-2	-2	68	
18	-2C	9995C	2C	0	-1	-2	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2	
19	-2C	9995C	3C	0	-1	-1	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	3	
20	-2C	9995C	3C	0	-1	-1	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	3	
21	-2C	9995C	2C	0	-1	-1	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2	
22	-2C	9995C	4C	0	-1	-1	-2	-2P	-2	-1	0	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	4	
23	-2C	9995C	4C	0	-1	-1	-2	-1P	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	4	
24	-2C	9995C	3C	0	9995C	0	-1	-1P	-1	-1	-2	-2	-2	-2	-2	-2D	9978p	-2D	-2	-2	-2	-2	-2	-2	-2	-2	3	
25	-2	-2	-2	-2	-2	-2	-2	-2P	-2C	9995C	3C	0	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	3	
26	-2	-2	-2	-2	-2	-2	-2	-2P	-2C	9995C	3C	0	9995C	9995C	9995C	2	9978p	9995C	6	2	1	0	0	0	0	0	6	
27	0	0	0	0	0	0	0	0P	0C	9995C	0C	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	2	
28	0	0	0	0	0	4	6	5P	2C	9995C	1C	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6	
29	0	0	0	1	22	34	20	8P	4C	9995C	2C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	
30	0	0	0	0	0	0	0	0P	0C	9995C	0C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31																											0	

Flags: Monthly: Ave Min Max
0 -2 68

- 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 - Valid Hour
- p = Power Failure - Invalid Hour (9978)

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: Jun 2008

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max	
	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	5	5	8	8	6	7	6	3	3	4	4	4	4	5	5	4	4	4	5	4	4	7	8	5	3	8	
02	2	3	5	3	5	6	5	3	4	3	4	7	7	5	4	5	5	5	5	3	3	6	6	4	2	7	
03	5	6	3	2	4	2	3	5	3	0	-2	3	3	-1	1	1	1	5	5	5	3	5	5	5	-2	6	
04	3	1	0	3	4	3	2	1	0	1	4	3	2	4	3	2	2	5	4	4	7	5	4	4	0	7	
05	1	2	4	4	2	0	2	3	5	5	3	4	3	2	4	4	3	6	6	5	5	8	9	6	0	9	
06	5	3	4	6	4	4	6	7	6	4	2	3	3	2	5	6	6	4	1	5	6	4	6	6	1	7	
07	5	5	6	8	12	14	17	10	11	10	7	6	4	1	3	2	3	5	4	4	2	-1	-4	-3	-4	17	
08	1	4	5	4	2	2	2	1	4	5	7	8	8	7	4	8	12	9	7	9	9	10	12	8	1	12	
09	7	7	7	6	6	5	5	2	3	5	7	6	3	1	-2	0	1	1	2	2	5	4	3	4	-2	7	
10	2	2	4	4	3	1	-1	0	3	3	4	5	5	5	6	4	4	4	4	0	0	2	2	1	-1	6	
11	0	2	4	3	2	1	1	2	0	-3	-3	-2	-1	-2	2	-1	2	-1	3	4	6	5	3	8	-3	8	
12	11	24	39	34	30	23	22	22	26	11	6	9979d	0	1	-2	1	3	2	1	0	-1	0	3	3	-2	39	
13	1	2	2	0	3	2	3	5	3	4	3	0	0	2	0	0	0	-4	-2	0	3	5	3	3	-4	5	
14	3	2	2	2	0	1	2	0	0	0	0	-2	1	2	1	3	3	4	2	2	4	4	2	0	-2	4	
15	3	5	4	2	0	0	3	5	3	1	4	6	8	6	2	0	1	3	4	5	5	3	3	4	0	8	
16	5	3	2	3	3	2	1	1	3	3	3	5	4	2	3	2	2	2	4	7	5	3	3	4	1	7	
17	4	6	5	4	5	2	5	32	29	8	2	-1	1	1	3	5	4	3	2	3	4	5	6	4	-1	32	
18	3	2	5	6	4	4	2	4	4	2	4	5	5	2	5	6	5	4	2	2	2	5	9	10	5	2	10
19	3	2	3	5	3	1	3	4	2	3	6	5	2	2	0	0	3	3	5	7	5	3	1	1	0	7	
20	0	0	5	4	3	4	3	1	2	4	4	4	4	4	4	3	3	2	2	2	4	3	6	7	0	7	
21	4	4	6	7	7	5	3	2	2	3	1	0	2	3	-1	0P	3	1	2	2	4	5	4	3	-1	7	
22	0	-1	-1	-2	-1	0	1	3	4	3	1	3	2	1	2	1	1	1	0	2	4	6	7	6	-2	7	
23	5	7	6	7	5	4	4	1	1	2	3	5	5	5	3	0	-2	2	3	3	6	7	6	7	-2	7	
24	9	7	5	3	1	3	4	4	2	1	3	3	3	4	5	5	9979d	2	0	1	5	6	4	1	0	9	
25	0	2	3	3	5	4	3	2	3	3	4	4	2	3	3	0	1	4	5	6	6	6	5	0	0	6	
26	4	3	5	5	6	4	3	5	5	4	4	3	2	3	1	1	0P	9979d	3	4	7	8	6	6	0	8	
27	7	8	6	7	9	7	6	7	9	8	5	4	4	5	5	5	7	7	8	9	7	8	10	8	4	10	
28	11	11	8	10	13	13	16	19	14	11	10	10	8	9	9	6	7	8	8	12	11	9	10	10	6	19	
29	10	13	12	12	13	17	18	18	17	13	13	14	11	8	7	7	9	9	8	9	9	10	11	9	7	18	
30	8	9	12	10	18	18	19	11	10	8	8	10	8	6	8	6	5	5	6	10	12	12	9	9	5	19	
31																											

Flags: Monthly: Ave 5 -4 39
 d = Off-Line Part of Hour - Invalid Hour (9979)
 P = Power Failure - Valid Hour

Wind Direction (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																							
	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	239	260	259	259	257	262	270P	9	60	71	55	59	59	61	60	31	0	324	277	268	264	273	257
02	263	258	266	261	267	264	262	266P	106	56	59	58	55	57	64	55	61	64	29	277	267	289	274	263
03	267	266	263	262	263	258	262	322P	268	256	118	95	65	89	94	101	94	143	123	199	262	261	263	253
04	256	269	254	258	258	230	256	259P	188	184	118	127	112	148	95	108	101	135	269	263	266	263	258	262
05	259	264	261	263	260	260	264	293P	73	78	53	50	58	58	57	58	62	53	39	283	262	262	262	252
06	245	256	260	262	259	260	263	243P	115	125	70	40	84	109	113	105	101	108	118	160	239	245	254	253
07	253	253	254	253	253	260	260	248P	80	65	47	52	45	66	58	52	292	22	44	57	75	231	279	275
08	270	270	266	263	257	264	264	273P	108	122	135	171	116	83	86	101	94	107	122	281	270	264	274	272
09	278	298	278	273	263	248	276	273P	52	71	63	51	66	67	47	41	37	19	344	311	80	304	268	262
10	258	279	274	275	280	283	270	278P	311	51	73	59	54	58	71	65	65	67	83	260	261	279	263	277
11	271	228	263	259	249	264	262	252P	249	128	124	231	233	248	284	276	262	185	256	262	262	264	265	265
12	267	264	264	261	260	259	256	253P	210	141	101	62D	86D	71	53	53	52	49	46	55	270	263	247	282
13	276	315	244	263	268	222	232	287P	303	53	62	62	57	54	41	47	56	35	316	295	276	276	267	261
14	260	262	261	260	262	260	262	212P	101	292	87	175	58	62	50	49	68	188	259	266	250	257	256	285
15	261	267	266	274	264	271	265	263P	210	122	67	51	39	45	47	36	42	91	258	261	248	252	268	262
16	326	281	193	245	258	261	268	252P	141	93	47	77	67P	45	62	101	104	136	275	260	254	263	264	266
17	261	253	259	252	256	267	261	242P	155	109	107	109	113	111	97	104	102	112	132	155	252	254	233	261
18	269	263	266	263	267	259	257	268P	248	318	193	8	45	58	68	42	42	53	355	300	285	264	279	270
19	273	251	256	272	269	261	274	280P	308	60	37	358	188	33	58	54	50	2	326	308	278	280	291	268
20	265	245	263	262	278	279	277	306P	25	296	281	358	52	31	23	69	32	37	326	285	277	291	279	285
21	281	270	268	280	254	268	267	45P	266	43	70	64	64	52	52	62P	52	52	0	306	251	280	258	278
22	268	283	260	274	270	267	281	279P	232	76	46	12	305	261	240	250	303	31	263	258	272	263	272	268
23	273	268	271	278	270	272	273	20P	281	48	266	59	52	57	53	59	53	42	44	282	259	270	258	265
24	259	246	251	274	274	271	273	343P	54	303	270	278	296	39	63	59	73P	46	29	279	303	295	273	272
25	273	247	274	287	258	270	270	290P	16	286	331	109	65	38	47	42	43	46	337	299	282	275	273	290
26	261	265	268	264	264	260	264	278P	21	63	65	37	62	66	354	39	22P	312	274	282	278	283	276	270
27	265	265	263	261	296	255	260	248P	278	288	278	94	64	48	50	5	352	59	82	175	253	250	250	254
28	262	267	263	260	267	257	257	235P	112	97	50	40	32	15	74	48	15	40	43	118	269	264	265	270
29	256	262	258	251	258	258	251	256P	207	155	182	58	56	52	53	55	34	54	42	344	279	274	269	270
30	263	258	259	260	260	261	263	280P	46	72	62	69	80	80	75	66	70	55	35	265	261	260	259	261
31																								

Flags: Monthly Ave: 191
D = Off-Line Part of Hour - Valid Hour
P = Power Failure - Valid Hour

Wind Speed (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: WS (MPH) Wind Speed
Month/Year: Jun 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	2.4	2.6	2.2	3.0	3.7	3.2	2.8P	3.0	3.7	5.2	5.0	5.3	5.8	6.8	5.4	3.3	2.3	2.1	3.1	3.5	3.2	3.0	3.0	2.1	6.8	
02	2.9	3.4	2.8	2.8	2.8	3.0	3.0	2.2P	2.7	4.0	5.0	5.0	6.5	5.9	6.2	5.0	4.6	3.9	2.0	3.0	2.2	2.7	3.5	2.8	2.0	6.6	
03	2.9	3.3	3.6	3.4	3.5	3.6	2.7	3.5P	3.7	1.8	3.0	4.9	4.5	5.1	4.6	6.1	4.0	2.2	2.3	1.5	2.6	3.0	3.2	3.6	1.5	6.1	
04	2.6	2.9	2.1	2.8	2.5	2.4	3.3	4.0P	2.8	2.6	4.9	4.7	6.3	4.3	3.9	4.9	5.9	3.6	1.2	1.9	3.2	3.1	3.3	3.7	1.2	6.3	
05	3.3	3.5	3.7	3.4	3.7	3.9	3.4	2.7P	3.0	4.3	5.4	5.7	6.9	5.9	5.7	5.8	5.0	3.6	1.8	1.8	2.3	2.5	2.6	3.0	1.8	6.9	
06	4.2	3.5	3.4	3.7	3.5	3.7	3.5	2.1P	1.7	3.5	4.4	4.7	5.5	6.9	6.4	5.1	5.2	4.9	3.7	1.1	2.0	2.4	2.8	3.5	1.1	6.9	
07	3.4	3.6	3.2	3.6	3.7	3.3	2.8	2.2P	3.2	3.7	4.0	5.1	6.1	7.0	6.7	4.6	1.7	2.2	1.4	3.3	2.9	1.8	2.8	3.6	1.4	7.0	
08	3.3	3.4	3.3	2.8	2.7	3.2	2.8	1.7P	1.4	2.6	3.8	3.4	5.4	6.9	5.9	4.8	4.2	3.8	1.9	1.5	2.5	2.6	2.9	3.6	1.4	6.9	
09	4.3	3.8	1.9	2.6	3.1	2.8	3.8	2.8P	2.7	3.8	5.3	4.2	5.8	6.6	4.2	5.1	2.7	2.4	2.3	2.4	2.2	3.3	2.4	3.1	1.9	6.6	
10	3.1	3.1	3.8	4.1	5.5	5.1	3.7	2.6P	3.9	3.2	4.4	5.2	5.0	5.9	6.9	5.5	4.6	5.3	3.7	2.9	3.7	3.0	2.3	1.1	1.1	6.9	
11	2.6	1.7	2.9	2.9	2.8	4.0	2.6	2.2P	2.5	3.1	1.7	2.7	3.1	3.5	3.7	3.8	2.0	1.4	1.1	1.8	1.9	2.3	2.2	2.5	1.1	4.0	
12	2.8	2.9	3.0	3.2	3.5	3.6	3.5	2.9P	2.4	3.4	4.5	9979d	7.0D	5.5	5.1	5.0	4.2	2.8	2.7	1.8	1.6	2.2	2.3	4.0	1.6	7.0	
13	3.0	2.7	3.3	3.4	3.3	1.7	1.9	3.3P	2.8	3.6	5.7	5.4	4.9	4.6	4.1	4.0	4.2	3.9	1.9	3.1	3.6	4.4	3.9	4.2	1.7	5.7	
14	4.4	4.3	4.2	4.3	3.6	3.4	3.8	1.6P	2.2	2.9	5.0	2.7	4.5	6.1	4.7	3.9	4.2	2.6	3.0	3.3	2.7	2.7	3.1	2.9	1.6	6.1	
15	3.7	5.2	4.6	4.4	2.2	4.8	3.4	2.6P	1.6	3.0	3.9	4.0	4.2	4.0	3.8	3.1	2.7	2.9	3.1	3.2	3.5	4.1	3.3	2.8	1.6	5.2	
16	1.5	2.8	1.2	2.2	3.1	3.5	3.5	2.1P	2.3	3.9	2.6	5.0	4.1P	3.9	3.2	4.3	3.4	2.4	3.4	2.9	3.0	2.6	2.7	2.8	1.2	5.0	
17	3.0	2.6	3.0	3.8	2.2	1.6	3.6	3.0P	2.8	5.5	5.2	5.7	6.0	5.6	4.9	5.2	5.4	4.8	2.9	1.4	2.8	2.3	2.2	3.4	1.4	6.0	
18	3.8	3.1	2.5	2.7	3.0	2.8	3.1	3.1P	4.4	3.3	2.3	2.3	4.0	6.5	5.8	2.2	3.0	3.5	1.7	2.1	2.4	2.6	4.3	3.0	1.7	6.5	
19	2.9	2.5	3.5	4.5	4.0	3.6	3.3	4.2P	2.8	5.8	3.0	3.9	2.1	4.4	3.0	4.2	4.1	2.1	2.2	3.2	3.5	5.2	4.0	4.0	2.1	5.8	
20	3.0	3.2	3.8	2.4	2.7	5.9	4.5	2.4P	3.8	6.1	5.6	3.5	5.1	4.7	4.4	6.7	4.0	2.0	2.6	3.3	3.6	5.8	5.0	4.8	2.0	6.7	
21	5.6	4.0	3.8	5.5	2.9	4.6	3.6	2.5P	2.7	3.0	5.1	5.9	5.7	5.5	5.1	5.8P	3.8	4.0	2.2	3.2	2.4	4.0	2.0	3.2	2.0	5.9	
22	3.2	3.5	3.4	4.1	3.4	3.8	1.8	3.8P	2.2	3.8	3.1	3.8	2.8	2.5	1.7	1.5	2.3	2.9	3.6	2.6	3.1	3.0	3.7	2.9	1.5	4.1	
23	3.1	3.1	3.3	4.1	3.6	4.1	3.9	2.5P	4.3	4.6	3.1	4.0	4.5	3.9	4.2	4.8	3.5	2.5	2.1	2.6	1.5	3.3	2.6	3.3	1.5	4.8	
24	3.7	2.9	3.1	6.4	4.6	3.5	3.0	3.5P	1.7	2.6	3.3	6.1	3.2	4.0	4.9	5.2	4.6P	2.6	1.6	3.0	3.8	2.7	4.8	4.1	1.6	6.4	
25	2.4	3.2	5.1	3.0	2.5	3.4	3.4	3.9P	2.9	3.4	2.7	2.8	3.2	2.9	3.4	3.4	3.1	2.7	2.1	2.8	2.6	3.9	3.9	2.8	2.1	5.1	
26	3.2	3.1	2.8	2.7	2.6	2.7	2.9	4.2P	2.8	4.1	5.4	3.5	4.7	5.0	3.4	2.8	2.6P	2.9	3.1	2.4	3.3	2.7	3.9	3.0	2.4	5.4	
27	2.8	3.3	3.4	3.7	2.4	2.0	2.4	2.0P	3.3	4.1	2.9	3.2	4.3	3.2	2.9	2.1	2.2	2.4	2.4	1.1	1.4	2.2	1.9	2.3	1.1	4.3	
28	2.0	2.1	2.0	2.3	2.2	2.5	3.0	2.2P	3.0	1.9	4.2	4.4	4.0	3.0	3.3	2.7	1.7	1.7	1.0	1.0	1.0	1.5	1.3	1.7	1.0	4.4	
29	1.7	1.8	2.4	3.1	3.9	4.2	3.8	2.6P	1.8	2.4	3.0	5.2	5.8	5.3	5.0	4.8	3.4	2.6	1.5	0.7	2.0	3.0	2.4	2.7	0.7	5.8	
30	3.0	3.3	3.7	3.8	3.6	3.6	3.9	2.2P	2.8	4.1	4.8	6.5	6.9	4.1	4.6	4.6	3.9	3.2	1.3	2.7	3.2	3.6	3.6	3.6	1.3	6.9	
31																											

Flags: Monthly: 3.4 Ave 0.7 Min 7.0 Max

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

Monthly Matrix SO2 (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max
	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	9995c	6	4	4	4	4	4	5P	5	6	4	5	7	5	3C	9995c	40C	38	47	29	14	18	22	17	3	47
02	9995c	10	12	14	10	7	7	11P	12	10	9	7	6	8	7	5	4	3	3	3	3	3	3	4	3	14
03	9995c	3	3	9995c	4	3	3	3	3	3	3	3	6	15	20	25	26	19	21	11	11	20	20	15	3	26
04	9995c	11	11	7	6	6	6	9P	11	13	19	20	16	31	39	31	32	34	30	21	14	9	8	11	6	39
05	9995c	8	7	6	6	8	7	9P	18	16	18	14	8	8	9	5	8	7	9	11	9	9	7	6	5	18
06	9995c	6	6	6	6	6	5	5P	7	8	12	17	20	15	15	22	25	28	28	23	11	8	6	5	5	28
07	9995c	8	7	7	8	7	6	5P	4	5	7	7	7	7	8	9	8	6	5	4	3	4	4	4	3	9
08	9995c	4	4	4	5	5	6	7P	9	34	42	26	17	13	16	19	22	19	16	12	14	11	16	14	4	42
09	9995c	11	15	9	7	7	5	4P	5	5	5	8	11	15	16	27	27	20	19	17	18	31	17	19	4	31
10	9995c	20	13	9995c	12	9	7	14P	22	13	12	10	10	7	7	8	7	8	17	19	18	14	6	5	5	22
11	9995c	5	5	5	4	3	4	4P	5	7	8	12	12	12	15	13	7	7	7	9978p	9978p	9978p	9978p	9978p	3	15
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4	4	4	6	9	11	12	25	24	27	20	12	6	5	5	4	3	3	27
13	9995c	4	5	3	3	3	3	3	3	3	3	2	6	11	8	7	21	17	12	11	8	5	4	3	2	21
14	9995c	3	2	2	3	3	3	5P	6	8	11	6	6	13	14	12	12	11	11	11	9	8	9	10	2	14
15	9995c	8	7	7	7	8	9	6P	8	12	6	7	9	14	19	28	34	33	24	17	11	10	10	9	6	34
16	9995c	4	3	3	5	4	6	12P	21	21	22	23	17	16	19	22	20	10	9	9	4	2	2	2	2	23
17	9995c	3	3	9995c	3	2	2	2	3	4	4	6	7	9978p	9978p	9995c	9978p	9995c	286P	6	7	8	4	1	1	286
18	9995c	2	0	0	-1	-1	0	0P	0	0	0	-1	0	1P	3	11	18	10	5	6	2	2	2	2	-1	18
19	4	1	0	0	0	0	1	1P	9995c	19	20	12	3	2	12	15	11	8	8	7	2	0	1	0	-1	17
20	9978p	9978p	9978p	9978p	9978p	9978p	9978p	0	9995c	7	7	11	17	1	4	9	8	8	7	7	2	0	0	-1	-1	17
21	-1	-1	-1	-1	-1	-1	-1	0P	9995c	8	17	23	33	24	28	8	9	9	9	7	7	11	7	1	-1	33
22	2	1	2	0	0	-1	-1	-1P	9995c	4	4	15	12	10	12	23	30	29	13	7	8	7	2	1	-1	30
23	1	0	0	0	2	3	3	4P	9995c	3	6	20	30	44	50	63	67	63	56	46	36	28	20	8	0	67
24	4	0	0	0	1	0	0	2P	9995c	11	20	9995c	16	15	3	6	6	6	10	16	13	16	17	12	0	20
25	5	5	3	0	0	0	0	3P	9995c	9	12	19	28	37	47	59	45	31	26	24	17	11	7	3	0	59
26	3	1	0	0	0	-1	-1	0P	9995c	3	2	1	3	6	5	4	0	-1	-1	0	3	4	3	2	-1	6
27	0	0	0	1	1	-1	-1	0P	9995c	7	9	5	1	-1	0	1	2	5	5	8	15	17	11	9	-1	17
28	4	3	2	2	2	2	0	2P	9995c	3	2	2	3	3	3	3	3	4	8	10	8	8	6	4	0	10
29	1	4	7	5	4	7	7	6P	9995c	6	5	5	8	12	31	48	47	31	15	10	8	10	14	8	1	48
30	1	0	1	4	4	3	1	3P	9995c	6	10	14	14	14	14	11	33	41	52	41	34	26	26	16	0	52
31																										

Flags: Monthly: 10 Ave -1 286
 - = Negative Over Range - Valid Hour
 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: Jun 2008

		HOUR BEGINNING (Local Standard Time)																								21	22	23	Min	Max
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	32	29	24	16	25	28	20	24	21	14	14	12	13	16	10	8	23	47	50	52	41	40	47	47	8	52				
02	42	38	37	32	39	40	30	29	31	27	27	27	15	14	21	21	15	15	15	14	12	18	16	20	12	42				
03	17	11	10	17	18	21	16	13	14	14	12	12	10	12	27	25	25	35	35	29	28	23	33	38	10	38				
04	36	32	28	32	30	24	25	17	23	22	25	28	28	32	41	43	38	46	52	53	51	46	43	38	17	53				
05	36	39	35	31	34	31	32	26	30	39	22	19	23	13	12	15	16	13	21	28	32	23	24	26	12	39				
06	31	33	26	23	24	19	20	20	19	18	23	20	22	25	22	27	36	37	45	49	42	36	31	30	18	49				
07	23	32	23	22	24	27	18	20	29	21	18	22	18	24	26	21	31	22	27	20	21	27	24	28	18	32				
08	29	22	23	29	24	22	23	27	34	28	39	44	33	30	28	24	27	31	30	33	27	36	33	37	22	44				
09	39	32	33	36	19	23	19	18	17	16	17	14	14	14	24	18	23	20	18	17	22	25	34	28	14	39				
10	30	31	33	21	24	22	15	12	21	25	19	15	19	17	12	17	13	19	31	35	36	41	32	27	12	41				
11	26	21	20	22	16	12	13	18	18	13	17	24	24	26	23	30	29	20	9978p	9978p	9978p	9978p	9978p	9978p	12	30				
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	16	20	12	10	9	12	17	19	25	37	31	28	19	10	20	9	17	9	37				
13	16	17	15	11	17	13	11	9	8	9	8	8	5	7	18	16	19	32	24	20	13	14	13	17	5	32				
14	13	10	8	10	11	11	9	9	8	8	11	10	9	9	19	22	16	18	14	13	18	18	16	29	8	29				
15	28	26	25	17	14	18	16	12	11	16	15	13	11	17	20	30	32	35	33	23	22	18	14	13	11	35				
16	13	9	3	2	1	5	12	21	20	20	21	21	29	25	21	23	30	31	24	16	21	6	4	1	1	31				
17	3	8	10	11	11	11	9	10	13	11	9	10	9	0P	13	14	0P	20	0P	-14	27	28	33	30	-14	33				
18	19	19	22	20	23	16	13	18	17	20	9979d	9979d	9979d	9	8	21	29	28	14	14	16	15	21	19	8	29				
19	19	16	17	14	12	12	15	16	20	21	19	24	16	7	9	12	20	15	16	23	22	22	9978p	9978p	7	24				
20	9978p	9978p	9978p	9978p	9978p	9978p	9978p	10	10	10	11	12	10	11	9	7	17	22	20	18	12	17	18	7	7	22				
21	6	5	6	9	10	6	5	6	9	13	18	19	29	32	19	33	10	18	25	20	20	21	20	15	5	33				
22	18	15	12	11	14	13	12	11	13	13	11	9	16	16	23	20	25	33	38	26	22	24	19	11	9	38				
23	10	10	11	10	11	18	15	13	10	9	7	9	25	37	43	51	58	55	55	53	49	49	44	33	7	58				
24	20	18	4	5	9	12	12	12	13	12	22	22	28	26	21	8	17	19	19	30	32	33	38	33	4	38				
25	30	26	24	8	9	8	11	12	21	8	11	16	23	30	42	56	53	47	43	40	41	43	33	25	8	56				
26	22	20	21	17	17	17	13	19	13	19	15	18	15	17	23	18	19	12	10	7	7	19	20	17	7	23				
27	24	19	17	13	12	17	13	13	12	12	14	16	15	8	3	6	8	12	12	18	21	19	35	32	3	35				
28	36	25	25	24	27	21	17	14	18	15	14	13	17	20	20	21	24	27	25	32	34	16	21	24	13	36				
29	22	16	22	20	31	31	17	22	31	32	21	22	19	26	38	46	51	50	43	33	28	24	23	18	16	51				
30	21	27	23	32	32	30	31	30	33	21	21	21	23	26	25	27	33	46	51	63	50	43	47	41	21	63				
31																														

Flags: Monthly: Ave -14 Min Max
 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: Jun 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	86	91	79	79	83	78	84	131P	239	238	250	303	289	268	292	305	273	288	280	114	91	92	88	69	
02	81	79	72	80	75	62	86	103P	88	240	256	264	266	260	246	8	4	312	44	60	61	52	49	51	
03	76	85	95	111	110	110	92	94	146	246	279	297	285	307	314	319	58	100	101	68	65	68	71	71	
04	57	51	64	67	71	96	69	308P	315	300	313	303	311	319	312	307	5	10	27	76	85	71	55	70	
05	49	55	70	68	80	76	63	136P	239	239	244	273	284	283	287	271	41	105	101	84	56	66	83	91	
06	77	77	78	73	84	77	79	118P	229	268	251	279	271	305	303	313	348	350	25	18	44	61	39	69	
07	68	71	72	73	74	68	59	37P	302	290	291	258	270	278	291	302	302	338	307	5	11	23	62	99	
08	80	80	76	74	82	71	77	337P	118	39	299	297	301	307	299	305	287	203	94	103	66	49	61		
09	88	100	149	179	54	65	62	86P	79	345	329	312	294	286	300	259	227	216	211	87	96	75	78	79	
10	74	71	67	68	73	83	74	310P	276	258	251	248	271	275	277	286	300	319	11	50	64	62	65	60	
11	64	51	57	64	63	71	90	3P	277	301	300	294	289	298	283	300	319	3	9978p	9978p	9978p	9978p	9978p	9978p	
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	86	286	286	327	326	325	326	348	0	340	16	330	8	9	46	30	53	
13	61	25	55	54	84	74	84	116	172	216	225	296	291	269	271	269	277	283	28	13	26	42	69	76	
14	67	67	64	70	77	77	86	124P	198	223	258	275	282	289	275	263	275	213	196	163	148	58	45	70	
15	76	89	88	92	94	88	82	159P	201	212	262	280	306	317	325	313	338	10	8	8	354	31	60	26	
16	290	41	60	73	80	72	71	43P	358	288	270	280	296	304	322	319	326	316	296	310	43	43	71	87	
17	76	79	74	88	84	75	77	68	322	286	276	292	277	279P	280P	278	299P	322	356P	41	61	64	65	69	
18	67	70	65	66	72	84	86	128P	216	193	198	242	292	300P	293	292	292	294	283	89	79	110	106	107	
19	99	92	85	81	70	72	79	49P	312	276	277	263	267	262	264	260	266	305	284	295	53	74	9978p	9978p	
20	9978p	9978p	9978p	9978p	9978p	9978p	9978p	13	282	264	266	275	274	266	250	159	8	25	100	57	55	65	72	81	
21	82	88	90	89	83	86	84	118P	193	257	253	272	297	291	289	261	264	45	70	74	81	84	87	101	
22	108	98	99	86	89	96	84	96P	188	261	222	269	252	259	281	297	317	356	33	83	66	110	95	92	
23	93	90	87	94	105	109	133	251P	266	279	276	262	270	288	273	269	302	309	317	20	36	33	25	34	
24	41	53	89	100	98	95	93	186P	236	218	246	261	257	288	297	341	345	27	49	60	62	54	62	73	
25	99	87	69	31	58	67	79	7P	289	298	260	264	255	260	254	285	312	325	15	36	16	31	43	53	
26	54	74	80	74	77	68	68	40P	305	288	290	256	251	263	251	220	224	219	265	288	285	349	7	32	
27	72	94	110	51	57	43	53	257P	218	234	231	240	238	262	267	286	293	286	311	318	329	35	51	30	
28	72	68	68	40	31	40	64	292P	314	304	299	277	273	287	297	309	298	301	298	285	268	312	359	32	
29	43	51	69	50	70	71	69	20P	307	306	316	318	342	335	323	324	314	311	342	350	358	321	262	138	
30	92	78	89	82	75	75	73	346P	274	253	244	253	287	286	356	60	306	309	258	214	207	152	152	162	
31																									

Flags: P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly Ave: 167

Wind Speed (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: WS (MPH) Wind Speed
Month/Year: Jun 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	3.6	4.3	4.4	3.7	5.1	3.6	3.9	2.0P	2.7	3.2	3.4	4.0	4.3	4.9	3.4	3.2	3.9	3.3	1.6	2.4	3.8	3.8	3.1	2.8	1.6	5.1
02	3.7	3.4	3.7	4.5	3.4	3.1	3.2	1.7P	2.1	2.5	3.8	3.8	4.5	4.7	2.9	1.6	1.2	2.0	1.2	1.9	2.6	2.8	2.5	2.1	1.2	4.7
03	2.4	2.2	3.2	3.4	5.5	3.0	3.9	2.3	2.3	2.8	3.6	4.0	5.6	5.7	4.2	3.2	2.3	2.2	0.9	2.6	2.8	3.0	4.6	4.6	0.9	5.7
04	3.6	2.3	2.9	2.9	2.6	3.5	2.9	2.7P	3.8	5.0	4.7	5.5	4.5	4.7	5.2	5.1	2.3	1.2	1.4	1.7	2.7	2.3	2.0	3.0	1.2	5.5
05	3.5	3.2	4.0	3.6	5.0	4.7	2.9	2.0P	3.1	3.3	5.1	4.7	5.5	4.0	3.5	2.5	2.0	3.2	3.4	3.9	2.9	3.9	3.5	5.4	2.0	5.5
06	4.0	4.3	4.4	4.1	6.0	5.2	5.0	2.2P	2.2	3.1	4.2	4.8	5.6	4.9	6.0	5.4	3.1	2.7	2.6	1.7	2.5	2.5	1.9	3.1	1.7	6.0
07	4.1	5.3	5.6	6.4	6.1	6.2	3.9	3.4P	4.4	5.0	4.4	4.4	4.0	4.7	3.3	4.0	4.5	2.7	3.2	1.5	1.6	1.6	2.0	2.4	1.5	6.4
08	4.0	3.8	4.6	4.3	4.4	3.9	4.4	1.9P	2.5	1.8	3.6	5.7	7.1	7.4	8.3	5.3	3.3	3.1	2.2	3.1	2.2	2.3	3.2	3.0	1.8	8.3
09	4.1	3.4	3.3	1.2	2.9	2.8	3.2	5.4P	5.7	3.2	3.4	5.1	5.9	5.8	3.9	4.8	3.0	2.3	2.0	1.9	2.1	2.8	3.8	4.3	1.2	5.9
10	5.0	4.6	4.3	3.6	3.8	5.6	4.8	1.7P	3.4	3.6	4.1	5.0	3.8	4.1	4.6	4.1	4.1	2.5	0.8	2.1	2.4	2.1	2.9	2.8	0.8	5.6
11	3.0	2.4	2.4	3.0	3.1	3.4	3.4	2.2P	2.8	5.2	6.1	5.0	5.3	4.6	4.1	4.1	2.2	2.5	9978p	9978p	9978p	9978p	9978p	9978p	2.2	6.1
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	3.1	3.4	4.1	3.3	5.0	5.3	5.0	3.4	3.6	2.8	2.4	1.8	1.2	1.5	1.4	0.9	2.3	0.9	5.3
13	1.6	1.5	2.7	3.7	4.5	4.2	4.9	4.0	3.9	3.8	3.7	3.5	4.4	4.5	5.3	6.2	5.3	2.8	1.6	1.3	1.9	2.0	3.7	4.3	1.3	6.2
14	3.9	5.1	5.8	5.0	5.1	5.1	6.5	3.5P	2.9	4.0	5.0	4.8	4.9	5.2	5.7	3.9	2.2	2.1	2.5	1.2	0.6	2.2	3.1	3.4	0.6	6.5
15	3.9	5.6	5.4	4.4	3.8	5.4	6.1	3.8P	4.8	4.5	4.2	4.7	4.3	4.5	4.7	5.2	3.4	3.6	2.6	1.8	1.6	1.0	2.8	1.7	1.0	6.1
16	1.5	1.3	4.0	4.3	3.9	4.6	4.1	2.1P	1.9	4.1	3.7	3.0	4.1	5.8	4.9	5.0	3.2	3.4	3.6	2.7	1.4	2.3	2.5	2.7	1.3	5.8
17	3.1	3.5	3.5	3.4	5.2	4.9	5.0	3.8	3.4	4.5	4.1	4.9	5.7	5.1P	3.0P	3.5	2.6P	3.0	2.1P	3.2	4.1	4.3	3.8	4.1	2.1	5.7
18	4.1	4.1	3.6	5.1	5.8	6.7	6.7	3.6P	3.6	4.0	5.4	5.5	5.1	4.7P	5.7	5.0	5.6	3.9	2.3	1.3	1.7	3.0	3.7	3.4	1.3	6.7
19	4.0	3.9	4.0	3.5	3.0	3.6	4.7	2.7P	2.6	3.8	4.4	5.9	4.0	4.5	3.9	3.2	2.6	2.0	2.3	1.2	2.4	3.5	9978p	9978p	1.2	5.9
20	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1.3	2.0	3.4	4.7	4.9	4.6	4.3	3.0	1.7	2.4	1.4	2.7	2.9	3.3	3.2	4.1	5.1	1.3	5.1
21	5.3	5.7	5.6	5.7	5.7	6.6	6.8	3.6P	2.8	3.5	3.6	5.4	5.3	5.6	4.5	4.4	3.2	2.3	3.8	4.4	4.7	4.3	4.1	4.1	2.3	6.8
22	3.9	3.5	3.2	4.2	4.4	4.2	4.1	2.0P	1.6	3.7	3.8	4.3	3.6	3.8	4.3	4.6	4.2	3.3	3.7	3.0	2.5	2.0	1.8	3.2	1.6	4.6
23	3.1	2.4	2.8	3.5	2.7	1.6	1.4	1.3P	3.0	3.9	4.4	4.1	2.8	3.1	3.9	4.3	3.7	3.4	2.4	1.3	1.9	2.1	1.9	2.4	1.3	4.4
24	2.6	2.7	2.9	2.3	3.7	3.7	4.8	3.0P	2.3	2.3	4.7	4.3	4.4	4.2	4.0	2.8	2.2	2.4	2.0	2.1	2.0	2.1	2.2	2.8	2.0	4.8
25	2.5	1.7	1.4	1.9	3.2	2.8	3.6	1.9P	2.9	3.2	4.1	4.2	4.4	4.0	3.4	3.2	2.1	1.8	1.2	1.9	1.3	1.8	1.8	1.7	1.2	4.4
26	2.1	3.2	4.4	3.9	4.0	5.1	5.4	2.4P	2.9	3.8	3.4	4.5	4.9	5.4	5.5	4.6	5.1	3.8	3.1	1.8	1.0	0.8	0.6	1.6	0.6	5.5
27	1.3	1.4	1.0	0.9	2.1	1.9	1.3	1.9P	2.8	3.7	4.0	5.2	4.9	4.9	4.4	3.6	3.8	3.5	3.3	2.6	2.1	3.0	3.0	2.8	0.9	5.2
28	4.1	4.0	5.1	2.7	3.2	3.6	2.7	2.8P	2.9	3.6	3.3	4.3	3.6	5.0	3.8	2.4	3.0	2.5	2.1	1.5	2.2	1.5	0.4	0.7	0.4	5.1
29	2.8	4.3	4.5	4.0	3.9	5.6	5.0	2.5P	3.8	3.8	3.1	3.4	3.7	3.4	4.1	3.3	2.9	2.1	1.9	1.9	1.8	1.8	1.1	1.1	1.1	5.6
30	3.6	3.5	4.5	5.1	4.9	4.5	3.5	1.3P	2.3	3.0	3.1	2.7	2.9	3.3	0.9	1.6	2.6	2.2	2.1	1.6	1.2	1.0	1.4	1.5	0.9	5.1

Flags: P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly: Ave 3.5 Min 0.4 Max 8.3

Monthly Matrix SO2 (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max	
	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	9995C	83	67	89	149C	9995C	238C	261P	209	124	28	24	9	1	0	20	12	17	54	151	160	177	278	267	0	278	
02	9995C	274	400	280	204	218	243	94P	28	90	30	2	1	0	0	0	0	1	7	12	22	38	60	76	0	400	
03	9995C	163	181C	157C	186	249	288	195P	77	28	48	16	3	20	1	0	0	1	7	13	72	150	107	142	0	288	
04	9995C	139	102	66	85	83	65	39P	30	41	2	1	0	0	0	0	0	0	11	95	405	98	62	6	0	405	
05	9995C	9	90	53	81	120	27	116P	96	72	7	1	0	0	0	0	0	0	0	13	50	32	60	38	0	120	
06	9995C	63	38	122	126	122	79	77P	115	97	25	3	1	1	0	0	0	0	0	0	1	29	163	151	0	163	
07	9995C	646	1000	1000	1000	1000	962	635P	319	83	13	4	9	3	3	9	16	35	63	62	45	52	91	107	3	1000	
08	9995C	79	89	83	162	204	221	527P	273	54	29	30	7	2	1	1	2	2	8	144	141	190	212	167	1	527	
09	9995C	105	120	151	127	176	173	172P	398	113	20	19	8	3	1	2	1	20	31	50	41	71	84	73	1	398	
10	9995C	104	146C	130C	128	115	98	75P	108	86	51	20	21	9979d	1D	1	2	3	1	1	14	37	36	56	1	146	
11	9995C	64	82	130	124	98	121	144P	93	23	13	1	0	0	0	0	0	0	0	0	2	0	0	0	0	144	
12	9995C	43	135	149	88	104	111	72P	132	23	2	1	1	3	1	0	0	0	0	0	5	40	42	63	0	149	
13	9995C	111	118	210	233	345	326	179P	165	145	76	54	5	3	1	2	0	0	1	15	78	44	49	43	0	345	
14	9995C	107	209	273	349	279	230	166P	245	114	59	10	3	1	1	0	0	0	1	1	29	22	48	66	0	349	
15	9995C	37	31	35	42	46	23	37P	50	75	90	8	1	0	0	0	0	0	0	0	4	13	8	20	0	90	
16	9995C	46	57	58	45	38	39	35P	72	24	12	4	3	1	0	0	0	0	0	0	3	5	11	24	0	72	
17	9995C	40	17C	13C	28	48	40	51P	41	13	3	1	0	0	0	0	0	0	-1	17	37	17	94	41	-1	94	
18	9995C	37	47	53	53	142	43	25P	121	44	20	11	3	1	0	0	0	3	140	513	360	141	164	186	0	513	
19	9995C	110	105	60	132	188	90	148P	175	66	10	5	7	2	3	2	2	6	34	83	157	168	190	162	2	190	
20	9995C	151	345	183	105	63	30	203P	172	70	42	42	63	3	1	3	7	6	19	38	74	88	109	118	1	345	
21	9995C	154	212	209	156	120	119	136P	139	65	42	24	2	3	0	1	6	3	6	36	106	119	43	75	0	212	
22	9995C	130	139	121	271	271	224	219P	122	85	69	7	3	4	19	3	24	24	32	48	96	66	68	64	3	271	
23	9995C	79	94	218	175	244	226	209P	79	74	49	80	21	9	4	6	7	21	36	39	21	38	51	74	4	244	
24	9995C	128	206C	143C	119	178	189	152P	117	61	53	69	9979d	13P	10	3	2	5	8	30	51	62	79	160	2	206	
25	195	184	139	124	149	151	207	212P	9995C	86	41	49	43	10	5	3	3	5	14	17	13	23	47	170	3	212	
26	398	255	316	222	143	203	518	684P	9995C	66	23	9979d	9995C	9995C	3	6	6	3	15	62	94	111	96	65	3	684	
27	80	77	45	149	347	292	252	171P	9995C	91	67	11	2	2	1	1	1	1	1	1	0	0	2	5	0	347	
28	9	17	29	27	747	1000	1000	1000P	9995C	36	17	16	4	3	4	2	3	2	2	1	1	2	6	4	1	1000	
29	8	25	98	475	494	112	109	127P	9995C	328	38	5	2	1	0	0	0	0	0	0	1	1	5	7	0	494	
30	14	130	185	114	97	125	153	235P	9995C	231	108	31	28	3	1	0	0	0	0	0	1	0	0	0	0	0	235
31																											

Flags: Monthly: 85 Ave -1 1000
 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 - Valid Hour

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: Jun 2008

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max	
	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	37	17	9	21	28	28	30	30	27	15	10	10	15	6	0	2	6	7	8	17	17	19	30	20	0	37	
02	23	40	24	32	38	38	33	26	4	10	31	19	5	4	0	0	3	4	6	5	7	11	13	17	0	40	
03	19	28	37	47	40	29	39	38	24	24	3	6	6	3	7	11	5	1	2	4	3	9	21	14	1	47	
04	12	31	30	24	24	27	29	15	10	5	9	6	4	7	5	1	-2	2	4	6	33	38	6	7	-2	38	
05	3	22	0	4	9	12	12	9	8	19	21	11	8	3	2	4	3	3	3	7	10	12	12	9	0	22	
06	8	7	8	9	11	17	15	15	11	45	46	11	5	-1	1	3	1	-1	-2	-1	2	6	12	66	-2	66	
07	70	30	89	327	324	264	283	125	68	40	20	7	8	6	2	2	6	10	12	23	25	16	15	22	2	327	
08	35	4	10	25	7	18	25	26	49	22	18	7	12	12	11	8	7	10	10	11	45	29	24	34	4	49	
09	20	18	25	24	35	26	27	25	19	35	35	16	12	5	1	6	6	-2	0	8	24	18	23	31	-2	35	
10	21	19	19	30	41	38	35	30	18	14	13	22	11	10	5	4	3	3	2	0	-1	5	14	25	-1	41	
11	28	42	39	54	53	44	38	32	30	27	0	1	0	-5	-2	-2	-2	-5	-6	-5	-5	-2	-1	-4	-6	54	
12	-2	2	24	93	109	64	64	64	31	58	7	4	3	3	5	4	0	-2	-2	3	4	3	21	19	-2	109	
13	30	46	52	43	49	52	55	58	39	65	44	23	19	-3	-1	-3	-4	-3	-2	-1	1	37	15	35	-4	65	
14	28	30	28	31	34	39	33	28	24	22	21	16	11	5	5	2	-1	0	4	9	7	11	13	10	-1	39	
15	21	13	13	11	11	12	9	10	12	22	35	38	7	3	-4	-2	2	1	3	0	-1	-2	1	8	-4	38	
16	12	16	10	21	30	25	17	21	17	26	17	11	10	9	7	3	0	-2	-2	-1	-5	-5	-1	2	-5	30	
17	4	4	8	6	3	5	34	22	13	10	20	0	3	3	1	2	-2	-3	0	2	2	7	9	33	-3	34	
18	17	13	19	15	15	13	19	3	2	16	20	16	13	7	6	5	-1	0	7	26	59	30	11	19	-1	59	
19	20	7	9	11	11	11	13	11	6	9	25	13	10	5	4	6	9	4	4	10	9	9	24	15	4	25	
20	20	18	12	20	13	10	8	5	9	23	31	14	13	29	3	4	1	3	4	5	13	21	28	37	1	37	
21	42	18	31	33	31	20	13	13	14	16	24	18	9	4	0	-3	-4	3	7	3	5	41	49	15	-4	49	
22	28	16	20	19	14	43	36	28	22	15	24	22	-1	-2	2	9	7	6	4	5	10	38	21	23	-2	43	
23	22	19	28	29	52	44	53	54	43	15	25	23	27	8	8	6	4	4	8	14	16	13	10	17	4	54	
24	19	15	21	32	26	19	30	35	21	14	20	18	23	0P	-13	16	7	2	7	9	10	29	28	35	-13	35	
25	42	43	39	30	24	28	30	29	30	20	32	10	17	20	4	3	1	0	3	6	14	15	18	23	0	43	
26	43	74	53	53	43	27	38	96	96	60	32	14	9979d	18	1	3	4	3	2	6	25	41	34	30	1	96	
27	31	36	38	25	33	52	41	44	54	54	35	26	5	1	0	4	2	5	9	11	10	6	4	6	0	54	
28	10	21	24	28	15	194	482	553	368	50	8	9	16	7	8	10	10	9	10	8	6	4	3	9	3	553	
29	13	19	20	37	68	77	26	40	41	60	41	21	10	12	10	5	6	8	7	4	6	6	3	6	3	77	
30	7	8	28	41	38	33	46	44	56	69	69	29	18	12	9	2	2	4	5	5	3	0	0	3	0	69	
31																											

Flags: Monthly: 21 Ave -13 Min 553 Max

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

Wind Direction (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																							
	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	212	268	253	287	288	295	219	203P	155	99	105	110	125	115	104	108	123	186	236	239	292	251	275	256
02	272	263	246	286	302	298	150	101P	99	117	104	106	103	110	120	122	118	156	234	272	295	283	292	256
03	282	230	327	314	320	323	289	91P	83	97	100	97	104	99	101	104	97	104	91	57	131	256	281	126
04	100	235	184	116	92	127	74	98P	136	71	99	101	99	92	100	93	93	97	82	91	84	211	149	112
05	133	197	129	240	257	169	85	184P	99	111	109	111	103	112	121	114	108	100	92	129	244	300	309	324
06	315	288	321	321	319	292	303	139P	94	113	108	104	109	107	103	101	93	91	82	56	46	188	123	284
07	127	295	334	268	152	301	222	58P	81	104	101	105	92	103	100	90	99	95	164	285	249	185	109	92
08	75	64	71	155	246	265	242	100P	113	93	95	96	99	105	99	82	91	104	153	176	214	276	246	167
09	221	281	245	257	276	191	262	218P	95	98	108	136	116	123	110	120	103	186	211	256	277	274	291	300
10	304	287	299	295	283	266	255	216P	145	124	110	109	108	115	114	115	149	154	231	245	279	258	305	226
11	166	279	313	295	323	309	317	118P	120	112	110	106	102	107	118	121	110	115	91	250	146	197	187	290
12	326	338	336	271	317	255	226	119P	85	74	110	112	103	107	112	121	205	150	158	120	272	248	303	284
13	292	293	317	324	319	305	294	225P	158	137	112	119	108	111	136	120	108	114	115	187	251	298	328	212
14	312	306	319	303	323	325	327	309P	152	145	113	110	110	111	128	247	261	260	281	297	300	324	326	299
15	304	299	251	334	328	260	297	199P	230	213	118	125	162	252	292	280	134	310	315	251	309	216	328	333
16	328	239	300	326	286	325	323	240P	78	101	103	91	108	99	83	71	289	285	225	217	255	316	330	330
17	324	317	302	311	333	332	333	187P	64	89	115	113	103	103	95	151	308	313	275	290	133	209	171	253
18	240	331	265	313	188	287	174	122P	70	71	92	96	103	99	93	90	152	209	243	175	325	278	290	301
19	311	298	293	288	301	279	306	209P	174	113	96	90	122	120	93	101	97	117	97	91	292	265	299	271
20	290	200	141	111	296	305	279	172P	173	129	101	100	123	133	127	107	219	92	153	231	298	281	289	315
21	311	324	322	317	311	311	319	299P	200	110	110	110	98	96	125	109	119	130	81	218	138	102	142	235
22	177	182	251	303	284	299	316	259P	116	95	106	109	85	95	93	89	97	94	92	88	195	240	287	302
23	298	304	320	328	317	282	307	271P	162	97	101	106	110	109	117	107	117	167	208	216	266	293	320	318
24	306	306	253	299	288	292	245	273P	184	92	93	101	104	102P	100	112	112	99	186	254	275	283	292	303
25	309	290	303	277	293	309	280	246P	262	190	125	116	143	174	209	185	230	254	254	291	238	296	287	318
26	314	316	316	296	295	305	311	110P	109	133	123	109	121	108	109	110	115	100	212	244	215	196	169	256
27	275	313	316	270	285	295	222	189P	143	104	102	102	102	92	94	80	57	62	48	194	165	133	238	217
28	294	252	305	328	229	198	282	228P	97	105	103	130	152	168	82	107	79	74	71	228	197	210	213	196
29	223	301	309	324	314	316	223	42P	121	106	124	115	134	126	135	127	110	114	114	205	275	187	269	298
30	317	322	322	326	325	323	326	274P	142	129	121	123	125	116	148	128	153	153	223	286	316	294	263	326
31																								

Flags: P = Power Failure - Valid Hour Monthly Ave: 195

Wind Speed (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: WS (MPH) Wind Speed
Month/Year: Jun 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	4.7	4.2	4.1	2.8	4.2	3.8	2.2	3.1P	4.5	6.8	9.3	6.9	7.0	7.9	8.5	7.4	5.3	3.5	3.5	3.2	3.6	3.5	3.2	4.0	2.2	9.3
02	3.8	3.7	4.4	4.3	3.8	6.2	4.4	5.4P	5.3	2.7	6.4	7.0	7.6	7.0	5.5	5.0	5.4	3.5	3.2	3.7	4.3	4.3	3.4	3.1	2.7	7.6
03	4.3	4.1	5.2	4.8	5.0	4.6	5.5	3.1P	4.2	4.9	8.4	8.3	5.2	7.1	6.4	7.1	5.0	4.2	3.4	2.7	4.6	4.6	5.0	5.3	2.7	8.4
04	4.3	3.5	3.8	3.4	3.3	4.7	4.1	7.2P	7.2	3.7	8.0	8.9	8.7	6.5	8.2	5.1	5.6	3.6	4.3	3.9	3.5	3.8	4.4	5.4	3.3	8.9
05	5.8	5.5	4.9	4.4	5.0	6.4	4.4	3.8P	7.0	8.5	8.7	7.5	7.9	7.7	6.9	7.8	8.7	5.2	4.3	3.7	4.2	4.2	3.6	5.2	3.6	8.7
06	5.2	5.3	6.2	5.6	5.2	5.3	4.7	3.4P	3.1	5.3	7.8	8.2	7.8	6.5	5.1	6.1	4.4	2.7	2.5	1.9	3.2	3.5	3.3	4.8	1.9	8.2
07	4.1	4.6	5.1	5.7	3.6	5.2	4.6	3.9P	4.1	8.1	7.2	8.0	6.2	7.9	7.9	3.5	5.6	4.2	2.2	2.8	3.1	2.4	3.2	4.4	2.2	8.1
08	5.4	5.8	3.9	3.2	3.7	2.5	3.2	3.7P	6.9	8.9	10.0	11.0	10.3	6.3	5.8	5.0	5.0	4.3	3.5	2.3	2.1	2.8	3.6	3.9	2.1	11.0
09	3.5	3.4	3.9	3.5	3.1	2.8	2.8	1.7P	4.8	7.2	9.2	6.2	7.7	7.3	7.4	6.6	5.7	3.6	3.4	2.8	2.9	3.4	2.7	2.2	1.7	9.2
10	3.0	2.8	2.6	2.5	3.2	3.2	2.6	3.3P	4.0	4.7	6.7	7.5	7.4	6.3	6.4	2.9	2.2	1.8	2.0	2.0	2.5	2.4	1.5	2.2	1.5	7.5
11	0.8	1.5	2.4	2.7	3.7	2.3	3.4	1.9P	3.8	6.3	8.2	8.3	5.5	4.7	5.0	5.8	4.8	5.2	3.4	2.7	3.1	3.6	3.3	3.6	0.8	8.3
12	3.9	4.0	4.4	3.7	3.6	2.1	3.1	1.1P	1.8	2.8	3.7	5.3	6.0	5.9	6.5	4.6	2.6	2.1	2.1	2.1	1.7	1.4	2.4	3.0	1.1	6.5
13	2.3	2.7	4.3	4.4	3.9	3.5	2.9	3.5P	3.9	5.3	7.3	5.4	8.5	7.1	6.2	5.0	5.7	4.1	2.4	2.3	3.1	3.7	4.2	1.9	1.9	8.5
14	2.9	3.5	4.4	4.6	5.4	5.3	5.4	2.4P	1.7	4.2	6.3	8.2	8.0	5.7	4.3	2.1	2.2	2.2	2.3	2.8	3.8	4.1	4.4	3.5	1.7	8.2
15	3.5	3.5	3.6	4.2	3.9	3.1	1.7	1.6P	1.7	2.3	2.4	4.5	2.9	1.9	3.0	2.5	3.7	4.9	3.6	4.0	3.7	2.5	4.3	5.1	1.6	5.1
16	5.3	4.2	4.7	4.9	3.6	4.2	4.1	3.9P	1.7	4.0	5.5	5.4	6.9	6.0	3.7	2.5	3.6	3.8	4.0	4.9	4.5	4.1	3.9	4.6	1.7	6.9
17	4.7	4.3	2.9	4.3	5.4	4.8	5.6	3.9P	3.4	3.9	7.8	7.7	5.1	4.1	1.8	2.7	6.5	6.0	6.7	6.6	4.1	4.1	3.9	3.4	1.8	7.8
18	3.1	3.9	2.6	3.8	3.8	4.3	4.0	4.9P	3.0	3.0	4.7	6.1	8.2	6.8	3.6	4.8	2.4	2.5	2.9	4.3	4.2	3.9	3.9	3.7	2.4	8.2
19	4.0	4.0	4.0	3.8	4.5	3.6	4.0	1.9P	3.6	7.6	6.8	5.2	4.4	7.3	5.3	3.9	5.0	3.3	3.5	4.0	2.9	3.0	3.4	3.5	1.9	7.6
20	3.7	5.4	5.7	3.4	4.6	3.6	4.1	3.5P	2.5	5.9	7.9	8.9	6.7	5.8	3.7	3.1	4.7	4.4	2.7	3.1	3.0	3.3	4.1	4.1	2.5	8.9
21	5.8	5.3	5.3	4.4	4.8	3.8	5.4	2.4P	3.2	5.5	5.7	5.5	7.4	5.2	5.8	4.7	2.9	2.2	4.7	2.6	4.0	3.1	3.0	3.5	2.2	7.4
22	3.5	3.6	3.5	3.4	4.1	4.3	5.9	2.7P	4.9	5.0	7.4	5.7	5.0	6.8	5.6	5.8	4.7	5.3	5.3	3.7	2.3	2.2	2.7	2.9	2.2	7.4
23	3.0	3.3	4.5	5.3	4.0	4.4	3.7	2.9P	3.3	5.1	8.6	11.2	10.8	7.8	7.3	6.1	4.1	3.3	2.4	2.3	3.4	3.6	4.7	4.8	2.3	11.2
24	3.9	4.0	3.0	3.2	3.4	2.1	2.2	2.1P	3.3	6.5	7.4	6.6	5.0	6.3P	7.1	5.9	4.6	3.7	2.7	3.0	3.0	3.8	3.2	4.2	2.1	7.4
25	5.6	3.4	4.4	3.8	3.6	5.0	4.8	1.2P	2.4	3.2	7.1	8.1	5.0	3.8	3.1	3.0	4.6	4.8	3.7	3.3	2.6	2.7	3.6	5.4	1.2	8.1
26	4.8	4.6	4.5	3.8	3.9	3.8	4.6	3.2P	3.5	6.4	6.3	8.0	7.0	6.9	4.4	5.8	3.6	4.7	2.9	1.8	2.1	2.2	1.7	2.8	1.7	8.0
27	3.4	3.5	6.2	4.7	5.5	4.2	4.2	2.5P	2.1	6.1	6.5	5.7	5.4	3.5	2.9	2.7	1.9	1.8	2.1	1.9	2.6	2.3	3.2	2.4	1.8	6.5
28	3.5	3.4	2.9	4.0	5.1	4.3	4.9	3.9P	5.2	6.1	4.1	4.1	4.0	3.4	3.2	4.2	2.7	2.8	2.6	3.2	2.4	1.5	1.5	1.5	1.5	6.1
29	1.7	2.2	3.5	6.6	5.7	4.2	4.1	2.6P	2.2	4.3	4.6	5.6	5.9	5.2	4.3	3.7	4.0	3.9	2.4	1.8	1.8	1.9	1.3	1.8	1.3	6.6
30	2.9	4.8	5.4	5.3	6.0	5.7	5.1	2.1P	1.9	3.5	5.2	4.6	4.2	4.7	3.7	3.9	3.7	3.3	1.1	1.1	2.2	1.5	1.5	3.4	1.1	6.0

Flags: P = Power Failure - Valid Hour
Monthly: 4.4 Ave 0.8 Min 11.2 Max

Monthly Matrix SO2 (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max	
	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	9995C	1C	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
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	0	1
03	9995C	1C	9995C	0C	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04	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	0	1
05	9995C	1C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06	9995C	1C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07	9995C	2C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08	9995C	3C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
09	9995C	1C	0	0	0	0	0P	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	9995C	3C	9995C	0C	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
11	9995C	4C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	275
12	9995C	79C	91	144	140	146	172	125P	23	2	3	1	0	0	0D	0	0	0	0	0	0	0	0	0	24	275	0
13	9995C	2C	0	0	0	0	0P	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	172
14	9995C	2C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
15	9995C	1C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
16	9995C	1C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17	9995C	3C	9995C	0C	91	63	62	43P	19	8	1	0	9979d	9979d	0	0	0	0	0	0	0	0	0	0	0	0	1
18	9995C	1C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
19	9995C	1C	0	0	0	0	0P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
20	9995C	2C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	9995C	1C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
22	9995C	3C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	9995C	1C	0	0	0	0	0P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
24	9995C	2C	9995C	0C	0	0	0P	0	0	0	0	0	0D	0P	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	-1	0	0	-1	-1P	9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0P	9995C	1C	1	0	0	0	0C	9995C	1	0	0	0	0	0	0	0	0	0	1
27	0	0	-1	0	0	0	0	0P	9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0P	9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	19	23	6	4P	9995C	2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0P	9995C	2C	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	23
31																											2

Flags: Monthly: Ave 2 -1 Min Max

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 - 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: Jun 2008

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max
	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	2	4	4	1	0	-1	1	3	3	3	3	0	1	1	-1	0	-2	-1	-1	2	3	4	4	4	-2	4
02	2	0	1	2	0	0	2	1	2	2	5	6	1	0	0	2	4	3	1	1	4	5	2	0	0	6
03	-1	-1	1	0	-3	-3	-1	-1	1	1	2	3	2	3	2	0	0	0	1	3	5	3	2	5	-3	5
04	3	1	-1	-1	-1	-2	-4	-3	0	1	-1	2	3	1	3	4	1	1	1	3	3	4	4	1	-4	4
05	1	1	3	2	3	2	1	3	2	1	4	5	3	6	6	4	1	1	2	2	4	3	1	2	1	6
06	2	1	3	2	1	-1	0	3	4	3	3	5	0	-4	0	1	2	2	2	2	1	2	4	3	-4	5
07	2	3	5	3	3	3	3	4	4	4	6	5	2	-2	-2	3	5	3	2	2	2	1	-1	-2	-2	6
08	-1	1	0	-2	-1	-1	1	1	1	2	5	7	6	7	6	5	4	4	3	-1	-2	0	4	4	-2	7
09	5	3	4	3	-1	-1	3	2	3	6	3	-1	-3	-2	-1	-4	-2	0	3	2	2	0	-1	2	-4	6
10	3	0	-1	-1	-1	1	0	2	1	1	4	4	2	2	2	2	-1	0	1	-1	-1	-2	-1	-3	-3	4
11	-5	-4	-2	-1	-4	-2	-1	-1	-4	-4	-1	-3	-6	-4	-1	-2	2	3	0	1	0	2	4	39	-6	39
12	223	154	117	100	122	127	129	127	61	17	-1	-1	1	-1	-1	1	-1	-1	22	1	0	1	2	1	-1	223
13	0	-1	1	1	2	-1	-1	-1	0	-1	-1	-3	-1	-2	-1	0	3	1	1	1	2	2	1	1	-3	3
14	-2	-1	2	5	3	-1	-2	-1	-2	-2	-1	0	-3	-2	2	3	1	1	1	0	0	2	0	0	-3	5
15	2	2	3	2	-1	0	1	1	-1	-2	0	-1	3	5	1	-1	2	1	0	4	6	4	2	1	-2	6
16	0	0	1	0	0	4	5	3	5	6	3	2	1	2	1	-1	-1	2	2	1	1	1	-1	1	-1	6
17	2	2	2	3	5	84	36	67	27	16	11	3	9979d	9979d	-14	0	5	-14	-14	0	2	2	0	2	-14	84
18	3	5	5	1	-1	0	-1	2	3	1	1	0	2	1	1	3	5	2	1	-2	1	-1	4	5	-2	5
19	5	6	5	0	4	6	5	3	0	3	3	3	1	3	3	2	3	3	3	3	2	0	3	5	0	6
20	2	1	2	4	3	0	2	4	2	4	5	3	-1	1	3	3	3	2	2	0	1	2	2	2	-1	5
21	2	4	3	1	-1	0	1	1	-1	0	1	0	-1	0	3	4	2	2	3	4	4	0	-1	-1	-1	4
22	0	2	1	3	3	3	5	4	4	4	1	0	1	3	3	2	2	3	7	6	5	5	2	4	0	7
23	4	2	5	5	2	2	3	2	0	2	4	3	3	3	2	1	2	4	5	4	1	-1	0	2	-1	5
24	1	1	-1	-1	4	5	3	1	3	3	4	1	-14	-14	6	3	2	4	4	3	4	2	2	3	-14	6
25	1	2	3	3	1	-1	-1	0	1	-1	-2	-4	-1	1	3	3	4	6	2	1	3	5	4	1	-4	6
26	3	5	1	1	4	3	2	3	3	5	6	4	2	-1	-1	9979d	-14	3	4	5	6	6	5	5	-14	6
27	7	10	7	6	8	6	8	6	2	1	1	4	7	5	4	6	6	7	8	8	6	7	8	10	1	10
28	12	9	7	6	5	7	5	3	6	10	8	11	6	3	5	8	9	10	12	11	9	8	9	3	12	12
29	10	6	5	6	8	28	24	12	17	15	14	12	10	8	7	8	10	9	9	10	10	10	10	8	5	28
30	10	10	10	9	10	15	20	13	12	10	9	10	10	7	9	10	9	9	9	6	4	7	8	6	4	20
31																										

Flags:
d = Off-Line Part of Hour - Invalid Hour (9979)

Monthly: 4 Ave -14 Min Max

Wind Direction (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																							
	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	262	198	281	282	284	279	275	282P	89	107	72	65	102	76	76	65	65	65	170	283	276	264	262	277
02	262	262	268	270	261	246	274	277P	102	100	74	73	70	81	75	71	69	74	58	254	270	257	277	264
03	274	260	268	261	266	261	268	216P	283	222	146	117	84	82	76	82	79	89	70	156	258	255	255	255
04	237	250	254	253	219	259	253	252P	184	132	95	80	87	164	165	150	81	79	257	278	275	282	265	263
05	265	248	258	242	256	257	251	234P	221	82	82	73	71	70	71	78	77	71	97	215	279	278	267	248
06	272	270	261	257	258	251	261	270P	213	106	82	144	181	67	87	95	109	121	131	204	227	256	252	248
07	254	251	249	252	261	247	277	258P	125	76	87	81	86	72	71	114	98	98	64	55	60	204	259	181
08	292	277	295	274	236	278	281	253P	126	110	105	140	85	80	77	79	67	75	76	282	297	291	245	257
09	270	234	229	259	252	282	273	275P	140	80	70	96	76	69	74	68	145	257	174	76	110	78	169	280
10	277	245	272	276	273	281	277	279P	202	82	117	113	82	73	73	87	128	63	58	107	109	280	263	267
11	257	245	279	241	255	267	226	229P	195	131	181	193	93	102	93	105	127	120	148	212	221	232	227	230
12	238	240	243	245	249	236	229	224P	163	157	176	175	89	93	80	76	76	72	72	200	231	306	244	293
13	261	219	264	278	268	253	148	207P	188	141	102	65	66	65	63	68	65	63	89	208	265	266	272	253
14	262	261	262	242	250	227	250	190P	212	263	90	116	106	94	67	61	143	208	246	275	275	274	275	277
15	229	259	265	271	261	261	268	269P	250	161	77	86	81	115	69	75	76	69	76	238	269	265	264	242
16	256	188	221	163	247	256	252	246P	135	114	201	142	176	154	127	175	117	73	59	123	258	255	253	247
17	245	249	204	248	246	223	249	240P	192	109	137	94	113	127	119	114	115	108	231	212	252	260	253	272
18	274	267	270	253	272	216	254	259P	280	132	277	120	73	67	85	86	72	56	123	261	258	294	276	275
19	283	270	284	272	255	273	269	274P	246	85	118	167	249	151	129	75	77	279	205	286	246	202	219	266
20	267	270	268	248	182	265	271	259P	126	139	237	256	182	137	74	64	60	57	62	265	270	281	271	266
21	242	274	263	262	253	276	269	250P	266	138	104	75	95	82	67	73	63	68	73	165	212	277	250	281
22	274	239	250	277	271	260	203	242P	208	91	116	61	105	82	106	161	98	197	295	272	287	282	277	283
23	274	246	274	285	271	271	276	252P	197	108	156	122	94	73	70	73	65	61	53	264	272	227	221	269
24	270	196	278	275	272	253	277	224P	83	138	204	203	148	91P	66	66	64	62	66	279	257	161	273	275
25	209	265	273	239	274	275	277	278P	158	168	261	229	90	83	68	72	71	72	65	221	235	276	270	204
26	274	272	261	184	266	247	268	272P	209	74	69	127	79	67	66	70	67	156	235	286	280	278	274	275
27	268	263	253	259	192	239	260	261P	280	261	197	73	74	60	72	69	63	67	76	70	172	266	261	253
28	249	251	261	246	265	257	262	236P	112	134	101	93	82	73	70	72	66	57	75	84	309	321	314	313
29	290	262	245	258	254	241	228	228P	167	177	133	64	80	76	81	85	68	61	57	225	305	301	274	263
30	254	255	260	261	260	259	263	265P	196	143	84	75	67	77	92	81	78	81	50	216	257	257	256	255
31																								

Flags: P = Power Failure - Valid Hour Monthly Ave: 188

Wind Speed (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max	
	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	1.9	2.2	2.5	2.4	2.0	2.3	2.5	2.6P	3.1	3.6	4.3	4.9	4.7	6.3	5.7	5.0	4.9	4.0	2.9	1.3	1.3	2.0	2.2	1.4	1.3	6.3	
02	3.8	3.0	2.3	2.4	4.3	3.1	1.3	1.3P	3.2	3.6	4.6	5.2	5.8	5.5	5.6	5.6	4.7	3.8	3.4	1.4	1.3	1.5	2.0	1.8	1.3	5.8	
03	1.7	2.4	2.5	2.7	2.3	2.4	3.0	2.7P	3.4	2.4	2.5	5.4	3.7	4.9	5.4	7.1	5.2	4.0	2.6	1.1	2.9	3.8	4.2	4.7	1.1	7.1	
04	2.8	4.3	4.7	4.0	3.3	3.4	3.5	3.8P	3.8	3.9	5.0	4.9	6.2	3.2	3.2	2.5	5.4	4.3	1.3	1.1	2.1	2.0	2.7	2.6	1.1	6.2	
05	3.8	4.2	4.5	3.9	4.6	5.3	4.3	3.5P	2.2	3.6	4.6	5.4	5.7	5.6	6.1	5.2	5.5	4.8	2.7	1.1	1.5	2.3	2.9	3.0	1.1	6.1	
06	3.1	3.2	3.8	4.4	4.5	3.0	3.4	2.6P	1.8	2.0	3.1	2.9	3.8	4.8	6.1	6.3	6.5	5.1	3.8	2.4	2.2	2.2	2.7	3.1	1.8	6.5	
07	3.4	3.8	3.4	4.0	3.4	2.9	2.8	2.4P	2.9	3.9	4.4	4.8	4.7	5.3	5.7	3.5	3.5	3.4	2.9	2.8	3.5	2.3	2.6	2.6	2.3	5.7	
08	1.7	2.2	2.0	1.9	2.3	2.0	1.3	1.8P	3.3	3.2	3.0	3.4	5.4	5.1	6.1	5.0	4.4	3.9	2.5	1.4	1.6	1.2	1.4	2.2	1.2	6.1	
09	1.9	3.0	2.4	2.3	2.0	1.9	2.3	2.3P	3.7	5.0	5.1	4.5	4.8	5.5	4.7	4.7	4.1	2.5	1.7	2.1	1.4	2.5	3.1	3.6	1.4	5.5	
10	2.9	2.3	2.2	2.6	2.5	2.6	3.0	2.7P	3.7	3.7	3.6	3.9	4.8	5.7	5.2	4.5	3.4	3.7	2.6	1.1	1.5	1.6	2.0	2.8	1.1	5.7	
11	2.4	2.9	3.5	2.4	2.9	3.7	2.4	2.8P	2.4	2.1	2.4	2.1	2.2	2.9	4.5	7.0	5.6	5.3	1.9	1.8	2.9	2.6	3.1	3.7	1.8	7.0	
12	3.6	3.6	3.7	4.0	3.9	3.6	3.4	3.7P	2.6	3.7	3.0	4.2	5.9	6.1	6.2	5.2	4.7	3.6	2.1	1.2	0.8	1.4	1.4	2.0	0.8	6.2	
13	2.5	2.5	2.6	3.9	3.7	2.9	2.7	2.3P	2.3	3.1	4.0	3.9	4.4	4.1	4.8	4.3	3.7	3.5	3.1	2.0	1.2	1.4	1.9	2.3	1.2	4.8	
14	3.5	3.9	3.6	3.9	3.3	3.1	3.0	2.0P	2.3	3.5	4.4	4.6	4.3	4.2	4.4	5.1	3.9	1.9	1.7	2.4	3.2	2.5	3.7	3.7	1.7	5.1	
15	3.2	4.8	4.9	3.4	3.7	3.3	3.5	3.0P	1.8	2.3	2.9	3.6	4.1	4.7	4.2	4.3	2.8	2.9	2.4	0.7	3.9	4.1	3.9	3.4	0.7	4.9	
16	3.2	2.8	1.8	2.3	3.8	4.2	3.5	3.0P	1.4	2.3	1.5	3.3	2.6	3.1	3.9	2.6	1.9	3.3	2.6	1.1	1.7	3.0	2.8	3.6	1.1	4.2	
17	4.4	3.4	4.2	5.2	3.6	3.5	4.3	3.9P	2.4	5.0	4.2	5.8	7.2	5.4	6.7	5.9	5.5	5.7	3.5	3.2	3.1	3.1	3.1	3.6	2.4	7.2	
18	3.6	2.5	2.0	2.3	3.1	3.0	3.8	3.1P	3.3	2.9	2.4	3.0	5.1	5.0	8.1	5.1	3.7	3.4	2.6	1.9	1.7	1.5	2.1	1.7	1.5	8.1	
19	1.9	2.0	2.7	3.5	2.2	3.4	3.3	3.1P	3.4	4.1	4.9	3.7	3.8	4.3	2.3	3.6	3.9	1.8	2.3	1.3	2.0	3.5	2.7	2.4	1.3	4.9	
20	2.4	2.4	2.7	2.8	1.8	3.7	3.2	2.9P	4.5	4.1	4.2	3.1	4.0	5.3	4.4	5.1	4.0	4.6	2.9	2.4	1.9	2.4	3.1	2.7	1.8	5.3	
21	2.8	2.7	3.0	3.0	2.2	3.4	3.8	3.4P	3.7	4.0	3.1	5.0	4.4	4.3	4.9	4.3	4.8	3.5	2.4	2.0	1.8	2.0	2.3	2.7	1.8	5.0	
22	2.4	2.6	3.2	3.1	2.8	2.9	1.8	2.2P	3.2	3.2	4.0	4.6	3.3	3.6	2.9	3.2	2.9	2.7	1.9	1.8	2.0	2.4	1.8	1.7	1.7	4.6	
23	1.2	1.5	1.2	2.0	2.3	2.3	2.4	2.6P	3.1	4.4	4.6	4.1	4.8	4.7	4.8	5.0	4.6	3.3	2.6	1.2	1.2	1.3	1.8	2.0	1.2	5.0	
24	3.3	2.7	3.0	3.5	2.8	3.0	2.6	2.7P	3.2	3.1	3.7	3.9	4.0	4.9P	5.0	4.9	4.8	3.6	2.9	1.5	1.1	3.0	3.5	2.6	1.1	5.0	
25	2.7	3.3	3.8	2.4	2.8	3.8	2.8	3.0P	2.7	4.9	3.8	4.0	4.0	4.0	4.7	3.8	4.4	4.0	3.2	2.2	2.3	2.0	1.9	2.2	1.9	4.9	
26	2.5	2.5	1.9	1.8	1.8	1.4	3.2	3.1P	2.8	4.0	4.8	3.6	5.5	4.6	3.8	4.2	4.4	2.4	2.5	1.6	1.3	1.3	1.3	1.8	1.3	5.5	
27	2.3	2.7	3.2	5.2	3.2	2.6	3.8	3.0P	2.2	3.8	1.8	3.5	3.8	3.4	3.5	3.8	3.3	2.7	2.2	2.0	0.8	1.8	2.3	1.4	0.8	5.2	
28	1.4	2.0	3.3	1.4	2.3	2.4	2.6	1.7P	1.9	2.0	2.4	4.5	4.3	4.0	4.0	3.9	3.3	3.3	2.5	1.7	0.9	0.5	1.3	0.9	0.5	4.5	
29	0.6	1.1	1.2	2.2	4.9	3.3	2.4	2.6P	2.7	2.4	3.1	5.2	5.1	5.7	5.4	4.7	4.5	3.4	2.5	0.9	1.0	1.1	1.7	2.8	0.6	5.7	
30	2.9	3.0	2.8	4.0	4.3	4.3	3.2	2.6P	2.5	3.0	4.4	5.1	4.6	3.9	4.1	4.4	4.5	3.6	2.3	1.1	2.7	3.4	3.0	3.8	1.1	5.1	
31																											

Flags: P = Power Failure - Valid Hour
Monthly: Ave 3.2 Min 0.5 Max 8.1

Wind Direction (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																								
	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	356	336	323	351	344	332	316	324	335	13	28	11	9	27	8	11	16	20	9	353	348	348	17	334	
02	321	328	335	318	315	323	339	341	342	27	40	55	45	49	21	26	14	15	7	352	344	355	0	354	
03	342	327	328	320	328	317	327	311	334	356	89	109	108	101	98	93	79	97	53	2	271	292	320	332	
04	302	310	286	289	315	305	314	312	78	112	105	107	105	87	100	104	82	10	353	326	349	349	354	336	
05	324	359	335	319	339	326	290	312	351	47	40	62	66	85	60	65	79	76	67	27	309	320	295	304	
06	330	341	317	302	304	312	300	314	21	103	106	107	117	119	108	121	126	118	122	130	111	102	337	256	
07	276	260	276	283	324	314	349	323	3	41	73	66	29	21	39	35	24	10	355	348	350	1	32	2	
08	360	343	354	358	344	337	335	5	37	63	76	87	77	51	65	68	55	69	45	13	352	350	350	1	
09	5	31	35	13	28	2	323	322	329	340	356	345	343	3	9	22	19	339	336	3	30	14	329	345	
10	339	328	330	325	335	332	328	326	336	14	28	43	41	60	34	27	30	32	32	13	24	352	7	350	
11	352	301	286	290	309	330	331	163	101	120	153	154	137	136	139	151	128	134	137	125	130	184	206	211	
12	205	220	173	219	250	258	202	192	151	151	157	140	128	115	106	102	92	80	65	353	358	352	335	337	
13	335	329	322	321	322	327	326	323	344	357	10	358	17	40	39	29	25	15	14	1	359	356	336	330	
14	322	317	317	319	326	311	305	315	322	321	350	16	64	107	27	29	35	42	25	22	348	27	302	315	
15	309	304	312	338	304	305	297	297	305	33	92	106	122	103	104	101	104	104	90	71	109	268	105	326	
16	314	355	258	273	300	286	287	341	75	93	116	102	106	108	108	106	100	106	102	21	266	292	274	240	
17	315	275	281	261	246	293	270	126	117	98	100D	133D	141	131	131P	148	120	110	125	217	301	331	315	322	
18	337	325	336	6	345	325	322	316	335	322	28	67	64	103	26	19	52	42	6	9	7	357	352	29	
19	352	329	334	358	1	324	316	323	342	68	19	26P	360P	42	34	60	25	17	20	10	357	326	10	324	
20	315	319	314	328	328	317	308	321	360	338	2	359	17	24	51	42	63	59	21	4	357	333	329	323	
21	331	321	323	318	324	318	315	323	320	334	17	35	31	40	74	38	14	67	4	326	340	5	353	327	
22	321	328	322	327	325	323	323	328	335	339	17	69	80	80	88	72	45	17	28	23	36	34	352	333	
23	342	334	351	358	359	13	18	49	20	26	21	21	25	34	28	23	27	14	353	350	353	359	331	327	
24	326	330	324	330	330	333	322	337	334	337	343	15	36	23	58P	69P	62	40	26	7	355	350	336	323	
25	339	327	349	35	327	323	317	312	328	337	357	354	10	15	23	13	10	20	17	13	356	1	14	340	
26	337	3	330	330	324	321	324	322	333	357	343	349	42	17	20	15	20	42	32	31	14	11	350	331	
27	326	326	316	320	323	313	316	323	301	22	87	78	97	92	100	99	103	102	98	88	103	102	288	260	
28	272	298	300	329	343	312	312	322	86	93	92	102	105	112	107	98	76	81	61	24	341	320	326	347	
29	334	336	357	312	304	289	139	118	99	113	132	118	114	102	115	106	90	61	34	29	357	346	356	290	
30	282	282	245	333	310	308	316	332	3	26	355	6	27	9	8	13	12	21	13	359	332	282	301	300	
31																									

Flags: Monthly Ave: 194

D = Off-Line Part of Hour - Valid Hour
P = Power Failure - Valid Hour

Wind Speed (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																														Min	Max
	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	2.9	2.7	1.4	1.9	2.6	3.1	4.3	5.1	4.6	4.0	5.4	5.9	5.0	6.1	5.3	5.8	6.2	5.9	4.4	3.2	2.9	2.5	1.7	3.1	1.4	6.2						
02	3.2	3.6	2.2	3.7	4.8	4.1	2.9	2.5	4.3	4.7	5.7	6.1	6.1	6.4	6.6	6.4	5.9	5.7	4.6	3.5	3.2	2.8	2.5	2.3	2.2	6.6						
03	3.0	3.9	3.8	3.6	3.2	3.7	3.4	3.7	4.1	3.5	4.5	4.7	5.7	4.7	5.4	5.6	4.4	4.8	2.0	1.4	0.9	1.3	1.7	2.0	0.9	5.7						
04	1.3	2.3	3.3	2.2	2.0	2.5	1.6	1.8	2.4	3.2	3.3	4.9	2.6	5.3	5.1	5.2	4.8	2.5	2.7	3.7	2.7	2.5	2.2	1.9	1.3	5.3						
05	2.0	1.7	1.6	1.2	1.6	1.9	1.5	2.5	3.1	3.7	4.3	4.6	5.0	5.1	4.4	4.5	4.2	3.7	2.9	1.7	1.1	1.6	1.1	1.3	1.1	5.1						
06	1.5	2.1	2.6	1.2	1.3	1.1	1.5	2.0	2.6	3.5	4.5	5.2	5.5	5.8	5.2	5.9	4.5	4.5	3.3	2.0	2.8	1.9	0.7	0.9	0.7	5.9						
07	0.8	0.9	1.1	1.2	1.5	1.4	1.9	3.1	3.3	5.3	4.9	4.6	6.1	5.6	4.7	6.1	5.1	5.1	4.1	3.7	3.5	3.1	3.7	2.8	0.8	6.1						
08	2.5	1.8	1.9	3.1	2.9	3.6	3.3	3.1	5.2	5.4	5.0	5.2	4.7	4.8	4.7	5.0	4.2	3.8	3.2	3.0	2.9	3.0	3.2	3.5	1.8	5.4						
09	4.6	4.7	3.6	3.3	3.3	2.3	4.6	5.4	6.2	5.6	5.9	6.1	6.1	4.9	4.5	5.4	4.4	5.2	4.4	3.7	3.7	3.7	3.4	3.2	2.3	6.2						
10	3.7	3.9	4.3	3.8	3.4	4.0	4.0	4.4	5.0	3.6	5.3	5.7	5.4	5.7	6.1	6.2	5.7	5.2	4.0	2.5	2.5	2.1	1.6	1.3	1.3	6.2						
11	1.3	1.5	2.0	1.4	1.4	1.6	1.2	2.3	3.6	2.4	2.6	4.0	4.8	4.8	5.1	4.5	4.1	3.3	2.6	1.6	1.3	1.3	1.2	0.6	0.6	5.1						
12	1.4	0.8	1.1	0.6	0.9	0.6	0.6	1.3	3.2	3.6	4.0	3.8	5.1	4.9	4.9	5.5	5.0	3.3	3.2	2.5	2.2	2.0	2.2	2.3	0.6	5.5						
13	2.5	2.4	3.8	4.1	3.9	3.3	3.3	5.3	4.7	4.0	4.4	4.6	5.0	5.4	5.4	5.5	4.5	5.2	3.9	3.2	3.4	3.1	3.0	3.5	2.4	5.5						
14	4.0	4.1	5.1	5.0	5.2	5.4	4.8	6.0	5.6	6.6	4.2	3.3	2.7	3.1	4.1	2.9	4.0	3.6	3.3	1.9	0.9	1.6	3.2	4.1	0.9	6.6						
15	4.1	3.9	2.9	2.7	2.8	4.2	2.4	3.4	3.8	3.0	3.1	4.2	3.8	4.7	4.5	4.3	3.2	3.1	2.1	1.1	0.9	0.7	0.9	1.5	0.7	4.7						
16	2.3	2.1	1.3	2.5	1.2	1.0	0.8	1.8	3.4	3.9	4.9	5.3	5.0	6.0	5.9	5.6	4.4	4.0	2.7	0.8	0.7	1.3	0.7	1.0	0.7	6.0						
17	1.4	1.2	1.6	0.9	1.6	0.9	0.7	2.3	3.0	3.4	9979d	9979d	4.1	5.3	4.9P	4.5	4.1	4.1	4.4	0.8	0.8	1.9	1.9	1.9	0.7	5.3						
18	1.8	1.8	1.6	2.0	1.9	1.7	1.8	3.5	2.3	4.0	4.0	5.0	4.6	5.4	3.8	3.2	4.0	3.8	3.2	3.0	3.0	3.5	3.8	3.5	1.6	5.4						
19	3.2	4.3	3.6	3.2	2.9	3.9	5.3	6.6	4.7	3.8	3.7	4.5P	4.9P	4.0	4.8	5.4	4.1	4.1	3.2	3.2	2.6	3.8	4.4	4.5	2.6	6.6						
20	4.6	5.0	3.9	4.4	4.0	4.1	4.8	5.4	3.9	4.0	4.1	4.7	4.9	6.1	6.6	5.8	4.9	4.7	3.3	2.2	2.4	4.4	5.0	4.7	2.2	6.6						
21	4.1	3.9	3.6	5.0	4.2	4.7	4.9	4.5	7.0	5.8	5.2	4.3	4.9	5.3	4.4	4.9	5.2	3.8	3.3	3.5	3.8	2.7	2.3	4.0	2.3	7.0						
22	3.7	4.2	3.8	4.1	5.2	6.2	4.9	5.2	4.8	5.5	4.4	4.2	5.0	4.3	4.7	4.9	3.8	4.0	3.8	3.7	3.8	3.6	3.0	3.2	3.0	6.2						
23	3.0	2.9	2.4	3.1	2.5	1.7	4.0	4.2	4.5	5.4	5.3	5.5	6.0	6.1	5.6	5.7	5.7	5.3	3.3	3.2	3.0	3.8	4.8	5.3	1.7	6.1						
24	4.5	4.5	4.4	3.9	4.6	3.7	4.2	4.5	5.2	4.9	4.8	5.2	5.8	5.5	5.7P	5.4P	5.6	5.3	3.9	3.8	3.4	3.8	4.6	4.8	3.4	5.8						
25	4.5	3.8	2.6	2.5	4.6	5.0	4.4	4.2	4.7	5.2	5.3	5.7	6.0	6.3	5.6	5.7	5.5	5.8	5.1	4.3	3.8	3.3	3.6	3.4	2.5	6.3						
26	4.3	3.0	3.6	3.5	3.8	4.5	5.0	6.2	5.8	4.1	4.9	5.3	5.0	5.5	5.0	4.6	5.2	5.0	4.1	3.6	3.5	3.3	2.6	4.5	2.6	6.2						
27	5.2	5.0	4.6	4.2	3.6	2.9	3.6	3.2	3.3	3.5	4.5	5.0	5.0	5.5	5.8	4.7	4.6	4.6	3.0	1.2	1.1	1.6	0.6	0.6	0.6	5.8						
28	0.7	1.1	1.1	1.5	1.1	1.4	1.2	1.3	2.8	4.0	5.0	5.1	5.0	5.3	6.1	5.3	4.5	3.7	2.8	1.8	0.9	0.8	1.2	1.5	0.7	6.1						
29	2.8	2.2	1.6	1.6	0.8	0.5	1.0	2.0	3.5	3.6	4.7	3.4	4.4	5.0	4.8	4.6	4.3	3.7	2.6	2.0	1.7	1.0	1.1	1.0	0.5	5.0						
30	1.2	0.5	0.5	0.9	1.4	1.9	2.7	3.4	4.1	4.2	3.6	4.5	5.2	4.9	5.5	5.5	5.4	4.6	3.4	1.8	1.5	0.9	1.3	1.2	0.5	5.5						
31																																

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

Monthly: Ave 3.6 Min 0.5 Max 7.0