

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: Apr 2009

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	6	8	9	9	8	7	6	8	9	7	6	8	11	12	13	11	9	8	8	8	10	12	14	11	6	14
02	6	5	5	4	4	2	2	3	3	5	5	6	4	17	10	10	9	9	10	11	12	13	10	4	4	17
03	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4	6	5	7	3	5	7	8	4	3	4	-1	0	4	6	7	6	-1	8
04	4	6	6	8	7	4	4	7	7	7	3	3	5	7	8	4	3	4	-1	0	4	6	7	6	-1	8
05	4	4	5	4	4	4	7	7	4	6	8	3	2	4	5	5	5	3	6	7	7	9	7	6	2	9
06	6	2	1	5	8	8	8	7	5	6	6	5	5	5	4	4	7	6	4	5	4	2	3	3	1	8
07	5	6	4	4	4	4	4	4	5	6	6	5	4	6	7	6	6	5	3	5	5	1	1	0	0	7
08	0	2	1	1	2	-1	-1	3	-1	2	3	2	3	4	3	3	2	2	1	4	5	4	2	2	-1	5
09	3	1	0	3	3	4	4	2	1	2	4	3	2	1	2	2	4	6	4	2	4	6	4	5	0	6
10	6	4	3	4	7	6	7	6	3	3	4	5	5	5	4	3	3	4	6	4	1	4	5	4	1	7
11	3	5	5	3	4	4	5	7	10	35	9	9	9	9	9	6	4	5	4	5	5	7	9	5	3	35
12	5	9	7	6	7	6	8	9	8	6	5	6	5	5	4	3	5	5	6	6	6	7	4	4	3	9
13	5	3	3	4	3	3	5	3	2	4	8	5	3	4	4	3	3	6	7	7	6	5	4	4	2	8
14	4	2	3	4	2	2	4	6	5	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
15	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1	2	3	3	3	2	4	4	6	7	7	8	8	6	4	4	3	1	8
16	2	2	4	3	1	4	3	5	7	5	4	4	1	0	1	3	5	5	7	7	5	3	4	4	0	7
17	5	6	3	3	5	4	6	5	2	0	3	7	4	2	5	6	6	6	6	9	8	8	7	7	0	9
18	7	8	21	31	46	59	30	23	25	47	26	26	11	12	10	8	7	6	7	7	5	4	3	3	59	
19	8	15	14	19	29	22	16	13	19	51	120	14	12	12	10	10	9	7	7	17	20	20	24	7	120	
20	24	21	23	26	25	36	65	44	34	38	32	55	60	39	18	13	14	17	17	14	12	15	16	12	65	
21	23	31	29	25	27	31	23	24	20	17	12	9	8	16	11	9	9	7	5	4	2	5	5	2	31	
22	5	3	3	4	5	4	4	6	7	5	4	5	5	3	3	3	3	6	6	4	5	6	5	0	7	
23	2	5	5	7	4	3	10	10	7	6	9	11	9	4	5	8	9	11	8	5	4	1	3	5	1	11
24	5	5	4	6	6	5	6	4	2	1	5	9979d	8	18	5	4	4	4	3	2	4	4	4	5	1	18
25	5	5	4	3	1	1	4	6	4	2	5	6	5	3	1	2	3	4	3	3	6	6	7	6	1	7
26	4	4	6	6	7	4	4	10	10	7	7	7	2	2	3	3	5	6	5	5	5	5	4	4	2	10
27	4	7	8	5	5	5	7	7	7	8	7	5	4	6	9	7	7	26	23	26	14	20	26	30	4	30
28	33	39	32	22	15	14	32	31	32	42	98	49	14	14	22	18	19	18	16	14	17	20	19	25	14	98
29	26	30	35	27	28	31	27	29	23	30	29	21	24	25	32	31	30	33	15	15	14	12	8	7	7	35
30	4	5	6	5	5	6	6	5	9	15	9	6	5	6	3	1	3	3	2	6	10	6	5	7	1	15
31																										

Flags: Monthly: Ave 9 -1 Min Max

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

Monthly Matrix SO2 (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Apr 2009

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	1	1	2	2	2	2	1P	1	1	1	1	1	1	1C 9995c	5C 9995c	9995c	9995c	13	9978p	9978p	9978p	9978p	9978p	9978p	1	13	
02	3	3	2	2	2	2	2	2P	2	9978p	9978p	9978p	2	1	2C 9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1	3	
03	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1P	1	1	1	1	1	1	1C 9995c	3C	2	2	2	2	2	4	4	2	2	2	1	4
04	2	1	1	1	1	1	1	1P	1	1	1	1	1	1	1C 9995c	5C	2	2	2	2	2	2	1	1	1	1	5	
05	1	1	1	1	1	1	1	1P	1	1	1	1	1	1	1C 9995c	4C	3	4	2	2	2	2	2	2	2	1	4	
06	2	2	2	2	2	2	1	1P	1	1	2	1	1	1	1C 9995c	3C	2	2	2	2	2	1	1	1	1	1	3	
07	1	1	1	1	1	1	1	1P	1	1	1	1	9995c	2	2C 9995c	3C	2	2	2	2	2	1	1	1	1	1	3	
08	1	1	1	1	1	1	1	1P	1	1	1	1	2	1	1C 9995c	4C	2	2	2	2	2	1	1	1	1	1	4	
09	1	1	1	1	1	1	1	1P	1	1	1	1	1	1	1C 9995c	4C	2	2	2	2	2	2	2	2	2	1	4	
10	1	1	1	1	1	1	1	1P	1	1	1	1	1	1	2C 9995c	4C	3	2	2	2	2	2	2	2	2	1	4	
11	1	1	1	1	1	2	2	7P	47	14	5	5	3	3	2C 9995c	5C	3	2	2	2	2	2	2	2	2	1	47	
12	1	1	1	1	1	1	1	1P	1	3	3	2	2	2	2C 9995c	4C	3	2	2	2	2	2	2	2	2	1	4	
13	1	1	1	1	1	1	1	1P	1	1	1	2	2	2	2C 9995c	6C	3	2	2	2	2	2	2	2	2	1	6	
14	1	1	1	1	1	1	1	1P	1	1	2	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1	2	
15	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2P	2	1	2	2	2	1	2C 9995c	5C	3	2	2	2	2	2	2	2	2	2	1	5
16	2	1	1	1	1	1	1	1P	1	1	1	1	1	2	3C 9995c	4C	3	2	2	2	2	2	2	2	2	1	4	
17	1	1	1	1	1	1	1	2P	2	2	2	2	2	3	2C 9995c	5C	5	3	2	2	2	2	2	2	2	1	5	
18	2	7	18	32	43	24	15	17P	66	44	34	18	9	7	6C 9995c	6C	9	8	7	3	2	2	2	2	2	2	66	
19	10	9	17	17	10	6	5	10P	80	231	39	8	10	9	8C 9995c	6C	3	3	4	4	4	4	5	5	3	231		
20	4	4	7	11	26	62	40	34P	49	38	49	57	53	8	5C 9995c	6C	4	3	3	3	3	2	2	3	2	62		
21	4	4	3	3	3	3	3	3P	3	3	2	2	9995c	2	2C 9995c	5C	3	2	2	2	2	2	2	2	2	2	5	
22	1	1	1	1	1	1	1	1P	1	1	1	2	1	1	1C 9995c	5C	3	2	2	2	2	2	2	2	2	1	5	
23	1	1	1	1	1	1	1	1P	1	2	2	2	1	2	2C 9995c	5C	3	2	2	2	2	2	2	2	2	1	5	
24	1	1	1	1	1	1	1	1P	1	1	2	-4-	9979d	4	3C 9995c	5C	3	2	2	2	2	2	2	2	1	-4	5	
25	2	1	1	1	1	1	1	1P	1	1	1	1	1	1	1C 9995c	5C	3	2	2	2	2	2	4	4	1	5		
26	2	2	2	2	2	2	2	2P	2	2	2	2	2	4	1C 9995c	4C	3	2	2	2	2	2	2	2	1	4		
27	1	1	1	1	1	1	1	2P	2	2	6	2	2	4	2C 9995c	12C	11	7	5	6	7	6	6	6	1	12		
28	7	6	5	3	3	11	22	24P	54	158	82	8	9995c	6C	5C 9995c	6C	4	3	3	3	4	5	4	3	3	158		
29	2	2	2	2	2	3	3	2P	5	8	6	5	4	6	7C 9995c	8C	6	3	3	3	2	2	2	2	2	2	8	
30	2	1	1	1	1	1	1	2P	2	2	2	2	2	2	2C 9995c	4C	3	2	2	2	2	2	2	2	1	4		

Flags: Monthly: Ave 5 -4 Min Max

- = Negative Over Range - Valid Hour
- C = Calibration - Valid Hour
- c = Calibration - Invalid Hour (9995)
- d = Off-Line Part of Hour - Invalid Hour (9979)
- P = Power Failure - Valid Hour
- p = Power Failure - Invalid Hour (9978)

Wind Direction (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: WD (DEG) Wind Direction
Month/Year: Apr 2009

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	98	96	74	255	239	263	273	279P	63	18	43	91	82	71	64	55	65	58	78	91	79	237	216	251
02	259	245	266	262	281	267	10	349P	11	9978p	9978p	9978p	354	40	74	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p
03	9978p	9978p	9978p	9978p	9978p	9978p	9978p	286P	266	269	277	264	260	63	54	65	63	46	69	66	70	37	263	254
04	262	261	265	264	265	268	270	335P	63	69	66	64	78	71	60	55	31	284	290	289	277	261	262	259
05	257	261	268	269	278	267	260	267P	280	346	70	57	61	68	61	89	73	67	123	149	264	265	263	260
06	263	265	263	262	262	256	263	269P	282	289	287	347	54	55	45	59	67	55	282	263	267	267	287	274
07	246	253	272	275	270	276	265	276P	263	265	281	292	43	357	327	291	333	271	269	261	267	263	271	268
08	270	260	268	264	272	274	264	273P	268	346	306	61	57	63	71	65	49	248	246	233	261	264	276	273
09	272	262	253	274	271	271	271	270P	268	280	50	269	265	240	294	273	302	316	323	309	289	282	283	281
10	285	278	275	272	268	262	259	259P	266	258	213	163	211	155	11	154	214	264	247	252	250	260	259	257
11	228	264	268	232	259	259	257	258P	263	211	109	67	63	46	55	44	46	65	258	252	252	259	259	272
12	264	240	268	263	261	263	267	270P	78	23	39	65	68	54	54	2	339	308	215	254	253	266	269	259
13	259	269	259	265	263	263	273	275P	284	272	243	283	297	299	270	280	287	267	265	278	272	274	278	251
14	316	273	263	269	269	278	275	269P	287	259	298	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p
15	9978p	9978p	9978p	9978p	9978p	9978p	9978p	273P	281	309	7	118	210	234	306	269	270	271	257	260	265	264	253	252
16	257	258	254	254	260	259	258	246P	238	143	185	248	258	93	108	115	119	136	110	148	217	229	229	254
17	199	237	256	260	246	242	269	260P	260	237	145	81	357	47	39	68	102	114	116	153	194	195	261	267
18	260	259	264	260	262	260	262	257P	192	110	102	56	48	43	56	43	76	101	80	196	261	257	227	255
19	257	252	267	260	261	261	262	251P	228	130	109	94	72	27	65	4	308	284	272	260	263	284	282	290
20	258	263	260	263	260	262	258	266P	34	69	73	68	41	52	55	54	54	57	16	268	258	269	265	262
21	263	264	262	269	263	265	270	255P	136	28	42	37	47	26	0	24	7	31	327	332	333	289	3	263
22	254	261	259	273	243	262	260	318P	34	47	27	21	47	61	48	5	313	288	270	266	270	271	253	331
23	296	286	271	262	229	251	252	259P	255	299	62	72	68	45	50	35	359	67	206	23	345	56	8	1
24	334	36	237	194	340	23	69	15P	14	329	181	87	33	60	22	14	21	1	42	223	262	267	261	283
25	246	44	136	239	126	43	13	37P	19	17	61	63	50	28	7	347	2	46	264	268	278	275	228	244
26	258	261	276	276	264	259	258	256P	42	78	73	62	59	64	58	27	6	359	279	270	278	278	265	220
27	238	211	261	264	263	257	270	274P	270	78	63	66	66	56	58	340	279	264	232	243	245	273	252	260
28	264	263	266	261	264	253	266	285P	48	87	72	63	65	70	63	55	49	49	42	148	238	259	260	254
29	243	261	258	254	259	265	260	266P	94	74	64	64	63	66	61	32	302	6	348	326	342	318	272	273
30	265	273	274	263	252	257	262	251P	173	85	61	82	60	75	61	53	15	4	58	295	276	274	273	269
31																								

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

Monthly Ave: 197

Wind Speed (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: WS (MPH) Wind Speed
Month/Year: Apr 2009

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	3.4	3.8	1.8	1.6	1.2	2.3	2.5	3.2P	3.0	2.8	3.5	6.1	6.9	5.9	5.4	2.7	3.3	3.6	3.0	3.8	2.1	1.1	1.8	2.1	1.1	6.9
02	2.2	2.4	2.9	3.6	4.4	3.0	2.0	3.1P	3.8	9978p	9978p	9978p	4.3	2.7	4.7	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2.0	4.7
03	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4.0P	3.6	3.9	4.0	3.4	2.1	5.3	4.6	4.4	4.6	2.9	4.8	3.9	3.1	2.0	2.4	2.4	2.0	5.3
04	2.2	2.5	2.3	2.7	2.5	2.9	2.6	2.5P	3.8	6.1	5.8	5.3	6.1	6.2	5.3	4.5	4.4	3.7	3.6	3.9	3.1	2.2	2.5	2.7	2.2	6.2
05	2.5	2.5	2.9	3.0	4.3	3.0	2.8	2.3P	2.2	1.8	3.6	4.8	4.6	5.6	4.8	5.3	1.8	3.6	1.5	0.6	2.1	2.5	2.2	2.5	0.6	5.6
06	2.3	2.7	2.8	3.4	3.0	3.0	2.4	2.2P	2.2	5.3	5.3	3.1	4.7	4.4	3.7	3.7	3.6	3.1	1.8	2.2	2.4	4.1	4.0	3.3	1.8	5.3
07	2.1	1.9	2.5	2.8	2.6	2.6	3.8	4.4P	3.6	3.6	4.9	2.3	3.4	4.6	4.6	4.1	2.7	2.6	2.2	2.4	3.2	3.0	3.4	3.8	1.9	4.9
08	3.3	2.9	3.3	3.1	3.4	3.2	3.0	2.7P	2.7	3.7	3.0	3.0	3.6	4.8	7.4	3.5	2.9	2.9	2.7	2.8	4.3	3.2	4.1	3.7	2.7	7.4
09	3.6	3.0	3.0	4.5	3.6	4.7	4.0	3.6P	2.6	2.3	3.1	2.9	2.8	2.0	2.9	3.2	3.6	3.9	4.5	4.6	3.6	3.3	3.8	3.8	2.0	4.7
10	3.7	3.6	3.5	3.2	3.2	2.2	2.7	2.6P	2.5	1.7	0.7	1.7	1.9	1.6	1.5	1.2	1.5	2.0	2.2	2.2	2.5	2.8	3.4	2.0	0.7	3.7
11	1.0	2.1	2.1	1.6	1.9	1.7	2.4	3.1P	3.1	2.1	3.6	5.5	5.2	4.3	3.7	2.1	2.2	2.0	2.1	3.0	2.7	4.0	3.0	3.6	1.0	5.5
12	3.3	2.8	3.6	2.8	2.5	2.5	2.3	2.1P	2.9	2.4	3.9	4.9	7.2	4.2	3.9	2.1	1.9	2.9	1.5	2.8	2.4	3.1	2.8	2.5	1.5	7.2
13	2.5	2.4	2.2	2.6	2.8	3.2	3.5	3.4P	2.4	2.7	3.5	2.4	3.3	2.4	3.1	2.6	4.0	2.5	2.6	2.5	2.9	3.7	3.0	2.8	2.2	4.0
14	3.2	3.4	2.7	3.0	4.3	3.8	3.3	2.7P	2.7	2.4	2.5	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2.4	4.3
15	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2.4P	3.5	3.0	2.4	3.8	2.4	2.4	2.7	2.4	3.3	3.3	2.4	2.2	2.6	2.4	1.7	3.1	1.7	3.8
16	3.9	3.0	3.3	3.6	3.1	3.0	3.1	2.6P	2.8	3.1	3.5	3.1	2.2	3.2	5.8	5.1	4.3	2.5	2.4	1.1	2.4	1.8	2.4	3.1	1.1	5.8
17	1.4	2.6	2.7	2.7	2.7	2.4	2.6	2.2P	1.9	2.6	2.5	3.2	2.0	2.5	2.6	3.0	4.1	3.2	2.9	1.4	0.8	0.8	1.3	1.7	0.8	4.1
18	1.9	2.1	2.1	2.2	2.2	2.1	2.3	2.0P	1.4	2.5	2.4	3.5	4.5	4.4	5.3	3.6	3.8	3.6	0.9	1.6	2.2	1.7	1.4	1.7	0.9	5.3
19	2.5	2.5	2.0	2.1	2.1	2.4	2.7	2.6P	1.8	2.8	4.0	4.2	3.5	3.4	3.8	3.0	3.4	1.9	2.8	2.4	2.3	1.5	0.7	3.6	0.7	4.2
20	2.4	2.5	2.7	2.7	2.7	2.8	2.8	1.6P	2.2	3.5	4.5	5.3	4.5	4.9	4.9	3.8	3.0	2.7	1.4	1.3	1.6	2.0	2.0	2.3	1.3	5.3
21	2.3	2.4	2.2	2.5	2.2	2.3	2.5	1.2P	1.8	2.6	4.4	3.9	4.3	4.2	3.6	3.5	2.9	2.6	2.6	2.2	3.1	2.4	1.5	1.0	1.0	4.4
22	0.2	0.7	1.7	2.1	0.9	1.8	1.5	1.3P	2.3	3.2	2.6	3.8	3.5	3.4	2.8	2.5	3.4	2.5	1.7	1.5	2.1	2.5	1.6	4.1	0.2	4.1
23	2.2	2.0	2.3	1.9	1.6	1.1	2.4	2.5P	1.6	1.5	3.6	4.2	2.9	2.6	2.8	2.4	1.3	0.8	0.4	1.2	1.2	0.4	1.9	2.2	0.4	4.2
24	1.7	0.7	0.8	0.6	3.3	2.5	1.1	2.1P	1.5	2.5	1.5	1.6	3.2	4.2	2.3	1.9	2.3	2.1	1.1	0.5	1.7	1.9	2.1	1.7	0.5	4.2
25	1.0	1.6	1.4	0.7	1.1	2.7	2.1	3.8P	5.1	4.9	5.9	6.4	5.9	3.3	1.8	2.2	1.5	2.2	1.7	2.0	2.7	2.6	1.9	1.8	0.7	6.4
26	1.6	1.8	3.1	2.6	1.9	3.3	3.5	2.9P	3.3	5.5	6.1	5.7	5.4	6.5	5.6	4.3	2.4	3.0	2.2	2.6	3.1	3.2	1.1	0.7	0.7	6.5
27	1.2	1.0	2.0	2.3	2.8	3.1	3.6	3.2P	1.8	2.9	5.1	4.9	4.4	4.2	3.4	3.5	3.7	2.8	2.1	2.4	2.7	2.1	1.6	2.2	1.0	5.1
28	2.5	2.3	2.2	2.0	2.3	3.9	3.4	1.9P	2.7	3.7	5.0	4.7	4.5	5.6	4.9	2.8	2.9	2.5	1.9	0.8	0.8	1.3	1.8	1.3	0.8	5.6
29	1.1	1.8	1.2	1.0	1.4	1.7	2.0	1.8P	2.0	3.8	4.5	5.5	5.6	5.4	3.6	2.0	2.3	1.9	1.9	2.7	2.9	2.7	1.9	2.0	1.0	5.6
30	2.0	2.8	1.8	2.1	2.6	2.7	2.8	2.5P	2.0	3.6	5.7	6.3	6.3	6.8	5.8	4.4	2.9	2.3	1.7	1.6	2.4	2.9	2.4	2.2	1.6	6.8

Flags:

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

Monthly: 2.9 Ave 0.2 Min 7.4 Max

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: **Apr 2009**

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	18	15	16	15	14	15	16	15	16	15	11	17	16	18	12	12	17	17	18	20	13	24	18	14	18	11	24
02	18	13	11	15	13	12	16	15	17	22	18	17	20	20	17	25	30	30	32	21	21	34	22	26	22	11	34
03	21	17	19	14	21	16	13	22	17	22	10	12	8	3	7	19	19	21	19	10	10	9	10	13	3	22	
04	13	13	12	16	15	14	15	6	7	6	6	15	18	26	24	28	31	34	34	36	36	27	26	24	6	36	
05	20	21	20	16	21	21	18	19	19	17	17	18	21	21	17	16	15	18	26	24	20	23	22	22	15	26	
06	17	19	22	17	17	16	9978p	16	20	18	11	19	17	13	13	18	24	15	15	17	18	25	19	22	11	25	
07	18	17	16	19	11	12	12	15	7	6	8	12	13	18	20	17	17	17	15	13	15	14	14	20	6	20	
08	17	23	22	20	17	14	19	18	11	11	10	7	7	25	25	24	25	24	16	7	21	8	18	21	7	25	
09	31	36	24	21	20	21	18	21	30	14	15	16	18	23	22	15	14	14	11	7	5	4	6	24	4	36	
10	23	22	12	15	18	15	14	17	4	3	2	5	11	11	8	8	6	4	4	4	4	6	7	4	1	23	
11	1	2	2	4	4	5	6	6	8	10	8	20	16	22	24	21	25	21	22	18	16	23	20	17	1	25	
12	17	9978p	9978p	9978p	9978p	9978p	9978p	17	12	17	19	16	16	17	21	26	21	25	24	37	37	29	15	9	9	37	
13	7	9	10	16	10	11	13	14	14	9	9	15	12	11	10	21	20	29	30	24	25	14	18	22	7	30	
14	18	14	12	11	11	11	15	14	18	20	21	27	21	23	21	24	19	18	23	26	16	21	21	20	11	27	
15	18	16	13	16	14	11	11	10	8	8	6	6	8	17	33	34	36	30	28	30	44	36	39	28	6	44	
16	19	16	27	17	17	18	18	23	18	17	18	20	23	25	20	21	36	33	26	28	27	33	30	30	16	36	
17	23	26	28	24	24	25	27	26	29	26	30	30	32	9978p	0p	-1	24	30	23	25	29	29	26	29	-1	32	
18	28	29	33	30	22	18	22	21	14	18	11	10	9	11	11	11	11	11	24	41	42	36	17	17	9	42	
19	14	12	14	21	21	19	17	18	10	17	19	16	15	20	19	8	8	9	9	8	9	15	9	20	8	21	
20	16	18	15	17	15	13	9978p	17	13	13	20	21	19	12	29	7	9	6	2	2	3	6	6	4	2	29	
21	7	10	9	11	10	6	4	5	7	9	9	9	12	14	17	16	5	21	8	21	23	20	16	23	4	23	
22	25	20	20	26	12	11	12	11	9	15	17	11	11	14	13	10	4	5	11	11	8	19	18	18	4	26	
23	17	21	18	14	15	9	10	11	17	21	19	18	18	24	21	23	25	21	27	30	28	25	39	29	9	39	
24	21	20	24	27	29	24	22	17	15	26	17	10	7	7	10	12	12	10	10	9	8	15	10	11	7	29	
25	10	7	9	9	5	5	8	6	5	6	5	4	6	5	1	2	2	3	4	4	3	4	6	5	1	10	
26	5	5	6	7	5	4	6	7	9	29	8	11	8	2	2	3	2	1	3	5	6	5	5	5	1	29	
27	8	15	16	19	17	15	16	20	16	18	13	14	12	10	16	10	9	7	5	4	6	6	5	9980b	4	20	
28	5	7	9	8	8	9	9	6	5	7	6	5	5	8	8	9	7	6	6	5	7	5	4	5	4	9	
29	6	5	3	2	5	6	5	2	0	2	2	2	1	3	5	4	5	6	5	4	3	5	9	7	0	9	
30	6	7	8	10	10	9	9	9	10	13	22	22	24	26	32	39	29	29	44	42	45	46	37	43	6	46	

Flags: Monthly: Ave -1 46
 b = Bad Condition - Invalid Hour (9980)
 P = Power Failure - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Monthly Matrix SO2 (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Apr 2009

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	2	2	3	5	4	2	2P	4	5	995C	5	3	2	2	4	7C	995C	5C	4	3	1	3	1	1	1	7					
02	1	0	1	1	1	2	1	3P	13	15	995C	15	11	7	12	16	16	17	12	10	7	6	4	4	0	17						
03	3	3	2	1	1	0	0	1P	4	3	995C	2	1	3	4	5	6	4	0	0	0	0	0	0	0	6						
04	0	0	0	0	0	-1	-1	-1P	0	1	995C	10	16	19	17	20	21	20	19	15	12	9	3	2	-1	21						
05	2	3	1	1	1	1	1	1P	9	14	995C	23	23	13	9	7	7	14	18	9	6	3	7	6	1	23						
06	3	3	1	1	0	0	9978p	0P	1	4	995C	12	4	4	6	10	4	4	4	4	4	5	3	0	0	12						
07	0	0	0	0	0	0	0	0P	2	10	995C	13	13	995C	8	5	7	5	2	1	1	2	1	1	0	13						
08	1	1	1	1	1	1	0	1P	4	2	995C	3	8	9	7	6	12	5	2	4	2	3	4	3	0	12						
09	4	3	4	4	4	3	4	3P	5	6	995C	16	21	16	5	4	3	1	0	-1	-1	0	0	0	-1	21						
10	0	-1	-1	0	0	-1	-1	-1P	-1	-1	995C	7	1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	7						
11	-1	-1	-1	-1	-1	-1	-1	0P	1	1	995C	4	4	4	3	2	1	2	1	0	1	1	0	0	-1	4						
12	0	9978p	9978p	9978p	9978p	9978p	9978p	-1P	1	1	995C	4	3	2	2	3	4	4	6	5	5	2	0	-1	-1	6						
13	-1	-1	-1	-1	-1	-1	-1	-1P	0	0	995C	3	3	4	6	12	18	17	8	6	3	3	3	2	-1	18						
14	2	1	1	0	0	0	0	0P	5	11	995C	15	9	995C	8	5	3	6	5	4	2	1	2	0	15							
15	1	1	1	0	0	0	0	0P	0	0	995C	5	7	20	15	17	9	7	8	15	11	12	10	4	0	20						
16	2	2	1	0	1	0	0	0P	3	3	995C	5	3	3	5	8	7	7	6	3	0	0	0	0	0	8						
17	0	0	0	-1	0	0	0	0P	3	5	995C	6	5	9978p	9978p	1	1	1	1	1	1	0	0	0	-1	6						
18	1	0	0	0	0	-1	-1	0P	0	0	995C	1	0	0	0	-1	0	5	22	34	23	8	6	2	-1	34						
19	2	4	4	4	3	1	1	1P	4	6	995C	5	7	6	2	1	2	2	1	1	1	0	0	0	0	7						
20	0	0	-1	0	0	0	0	0P	5	8	995C	7	3	2	0	-1	-1	-1	-1	-1	-1	-1	-1	0	-1	8						
21	1	0	1	0	0	-1	-1	-1P	0	6	995C	16	13	995C	11	1	10	9	6	2	3	4	2	2	-1	16						
22	1	2	3	2	2	1	2	3P	6	5	995C	4	3	3	1	0	0	1	1	0	0	0	0	0	0	6						
23	1	0	0	0	1	1	1	1P	6	7	995C	8	6	7	7	8	7	7	7	6	4	1	1	0	0	8						
24	0	1	1	1	0	1	0	1P	1	2	995C	3	1	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	3						
25	-1	-1	-1	-1	-1	-1	-1	-1P	-1	-1	995C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0						
26	-1	-1	-1	-1	-1	-1	0	1P	2	2	995C	2	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2						
27	-1	0	0	0	-1	-1	-1	0P	0	0	995C	1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1						
28	-1	-1	-1	-1	-1	-1	-1	-1P	-1	-1	995C	1	-1	995C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1						
29	-1	-1	-1	-1	-1	-1	-1	-1P	-1	-1	995C	1	0	0	-1	-1	-1	-1	0	-1	-1	-1	-1	-1	-1	1						
30	-1	-1	-1	0	0	1	0	3P	11	21	995C	25	23	23	23	18	19	26	24	16	15	7	6	11	-1	26						

Flags: Monthly: 3 Ave -1 Min -1 Max 34

b = Bad Condition - Invalid Hour (9980)
C = Calibration - Valid Hour
c = Calibration - Invalid Hour (9995)
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: Apr 2009

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	95	126	66	61	75	77	83	87P	149	240	244	277	286	285	284	285	277	317	110	79	78	71	73	63
02	89	84	73	67	87	82	92	74P	301	306	306	294	290	273	276	260	232	210	234	298	9	31	39	79
03	115	106	90	81	82	85	71	83P	169	194	214	250	262	257	263	284	286	272	298	163	285	168	119	104
04	113	96	102	99	90	89	111	120P	192	260	268	276	287	277	260	256	235	219	241	235	41	112	82	85
05	91	88	96	83	74	74	62	46P	281	296	292	300	304	316	39	183	156	184	149	102	67	52	74	66
06	62	86	91	87	89	89	9978p	89P	172	199	210	253	280	282	297	289	258	204	165	150	134	128	66	74
07	70	72	72	71	70	81	76	69P	266	263	260	266	273	245	257	244	260	244	152	116	106	99	87	84
08	81	83	76	80	79	78	84	106P	207	192	214	271	277	285	346	322	316	32	78	75	83	95	97	84
09	98	98	100	86	83	68	76	46P	319	297	313	252	226	214	193	244	207	235	195	149	133	87	52	60
10	74	103	126	115	138	106	169	340P	237	273	330	294	346	295	335	335	55	4	7	66	84	145	161	20
11	43	82	74	54	56	28	60	45P	310	270	299	298	314	322	329	343	295	225	102	137	104	66	58	42
12	10	9978p	9978p	9978p	9978p	9978p	9978p	130P	200	215	200	218	230	253	263	264	230	338	338	15	7	45	36	23
13	90	82	86	96	88	93	77	105P	187	205	199	213	257	267	314	304	320	313	332	308	105	131	131	102
14	89	76	83	75	89	80	77	79P	283	279	284	261	285	250	279	296	354	279	278	316	49	60	66	99
15	98	103	106	108	102	130	95	102P	253	270	262	269	307	306	333	294	1	328	354	47	55	57	59	61
16	48	50	42	57	62	65	76	76P	293	274	279	289	279	270	298	293	320	318	345	52	62	70	81	68
17	78	73	69	76	70	73	75	97P	244	251	257	262	247	9978p	9978p	266	269	313	69	56	82	87	54	46
18	62	64	42	10	31	65	58	37P	287	266	253	248	252	262	254	256	249	184	118	87	61	63	66	43
19	47	36	68	69	73	67	70	83P	231	229	254	272	242	231	249	251	258	280	322	47	32	64	82	76
20	82	74	82	72	78	70	75	95P	238	262	209	251	246	261	265	271	291	302	323	2	53	62	63	68
21	66	69	68	76	76	71	90	112P	151	161	185	225	199	206	187	204	188	189	205	58	185	341	37	51
22	73	82	75	62	74	82	71	85P	260	185	192	176	172	186	193	200	203	216	209	146	100	61	77	72
23	74	86	80	74	75	74	78	91P	224	253	209	227	256	263	247	268	254	257	289	207	111	82	65	78
24	87	69	68	58	86	73	45	52P	155	297	82	241	212	205	254	264	268	270	254	151	88	89	104	76
25	68	61	76	79	78	71	72	94P	222	247	256	267	260	278	262	259	257	259	176	107	108	97	90	85
26	90	89	93	91	71	88	93	117P	193	256	253	244	263	260	277	278	281	257	242	91	85	85	86	85
27	86	77	75	79	77	82	64	73P	300	235	231	278	239	274	292	240	259	280	297	79	81	80	77	9980b
28	82	76	78	64	68	77	77	82P	247	197	223	269	248	249	252	277	282	306	329	13	18	35	67	69
29	85	79	76	70	74	72	74	78P	242	215	239	262	251	239	282	276	280	299	331	49	65	76	73	82
30	89	88	89	85	79	68	75	79P	312	279	272	260	259	246	232	266	301	292	315	73	76	86	89	94
31																								

Flags: Monthly Ave: 161

b = Bad Condition - Invalid Hour (9980)
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Wind Speed (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: WS (MPH) Wind Speed
Month/Year: Apr 2009

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	2.7	2.4	3.0	3.3	2.7	3.9	4.9	4.2P	2.8	2.3	4.5	5.0	7.2	6.7	6.5	6.2	5.4	2.7	1.8	3.2	3.3	3.4	3.8	3.6	1.8	7.2
02	5.0	4.0	3.3	2.9	4.8	4.3	3.6	2.9P	3.1	6.5	7.0	6.6	6.1	6.5	5.8	5.9	5.4	3.7	3.3	2.4	0.5	1.5	1.5	2.3	0.5	7.0
03	2.0	2.4	3.7	3.8	4.9	5.9	4.7	3.5P	3.0	4.0	3.9	5.5	3.8	4.1	4.8	4.3	3.5	3.0	2.6	1.2	2.6	2.8	2.0	1.5	1.2	5.9
04	2.4	3.6	2.6	3.5	5.9	6.0	3.8	2.9P	2.5	3.2	4.1	5.7	5.1	5.7	4.4	3.8	3.7	2.5	0.6	0.4	0.6	1.8	2.7	3.6	0.4	6.0
05	4.2	4.2	3.4	3.2	3.5	3.7	4.1	3.3P	3.5	3.9	5.4	4.2	4.4	2.5	1.4	2.4	2.4	2.0	1.3	2.3	3.0	2.7	3.1	2.7	1.3	5.4
06	2.3	3.3	3.0	3.1	6.3	6.6	9978p	5.9P	4.0	5.2	5.1	5.3	4.7	6.8	7.1	5.6	4.6	3.6	3.4	2.6	1.2	1.6	3.8	5.0	1.2	7.1
07	4.8	5.7	5.4	5.4	4.7	6.5	5.0	3.8P	2.2	3.8	4.6	5.2	4.6	3.9	3.2	3.9	4.2	3.1	1.4	1.8	2.6	3.3	3.3	3.4	1.4	6.5
08	3.9	4.6	4.2	2.8	2.8	3.3	3.1	2.4P	2.4	4.9	5.1	4.7	4.3	4.9	3.5	3.5	3.1	3.5	4.3	5.3	3.8	3.8	4.2	4.4	2.4	5.3
09	3.6	4.0	3.7	4.5	2.5	3.2	3.9	3.3P	2.0	2.7	2.0	1.9	3.5	2.9	2.1	4.1	2.0	3.8	3.7	3.3	2.3	2.6	2.7	1.6	1.6	4.5
10	2.0	4.2	3.5	4.5	2.3	1.7	2.5	1.2P	1.6	1.0	2.6	2.8	1.9	2.4	3.0	4.4	5.3	4.9	3.8	2.0	1.5	1.6	1.5	1.8	1.0	5.3
11	1.9	2.7	4.2	3.6	3.8	2.7	2.3	2.5P	4.3	3.4	5.7	4.6	4.6	3.7	3.1	1.8	2.5	3.3	2.8	2.0	3.6	3.6	2.6	1.7	1.7	5.7
12	1.5	9978p	9978p	9978p	9978p	9978p	9978p	4.2P	4.3	4.2	3.5	4.8	4.7	4.4	3.9	4.0	3.2	2.4	1.8	2.2	1.7	1.6	1.5	1.5	1.5	4.8
13	3.1	3.6	4.8	4.3	3.7	3.6	4.5	3.4P	3.6	4.3	4.0	4.2	5.4	4.1	3.7	6.7	5.0	4.3	2.0	0.9	0.6	1.0	0.9	2.1	0.6	6.7
14	1.7	4.6	3.4	2.9	2.7	2.5	2.7	2.4P	3.7	4.1	3.6	5.0	2.0	3.2	2.3	1.9	1.6	2.5	2.3	3.3	3.3	3.8	3.4	2.5	1.6	5.0
15	3.2	2.7	1.9	2.4	3.0	2.8	3.0	2.9P	2.3	3.0	4.3	4.4	4.5	4.6	2.6	2.4	0.9	2.1	1.5	2.6	3.7	3.2	3.2	2.4	0.9	4.6
16	1.9	1.9	2.1	2.3	3.4	3.7	3.8	2.6P	2.2	3.6	5.4	6.3	5.2	3.4	4.0	4.0	3.0	4.3	2.3	1.6	2.8	3.1	3.4	2.9	1.6	6.3
17	4.1	4.6	4.1	4.3	3.7	4.1	5.5	3.4P	2.6	3.1	4.7	5.2	3.6	9978p	9978p	1.9	0.6	1.0	1.5	1.6	1.2	2.0	1.1	1.8	0.6	5.5
18	2.8	3.6	2.5	2.1	1.9	2.9	3.3	2.4P	2.0	3.4	3.6	2.8	4.1	3.4	4.3	2.4	3.0	2.0	2.2	1.7	2.5	1.7	2.4	2.2	1.7	4.3
19	2.1	3.4	4.0	4.3	4.3	5.3	5.2	4.3P	2.5	3.4	4.5	5.7	4.7	5.1	5.2	4.3	4.6	3.8	1.8	0.8	1.0	2.7	5.6	4.4	0.8	5.7
20	6.4	5.2	6.1	4.2	5.9	4.4	5.0	4.1P	2.2	3.8	4.4	6.3	4.7	5.5	5.1	6.0	5.4	4.7	3.6	1.7	2.6	2.9	3.4	3.7	1.7	6.4
21	3.6	3.8	4.4	4.1	4.0	3.8	4.5	4.4P	5.6	5.0	5.1	5.1	5.9	6.1	4.4	4.4	4.0	3.2	1.0	1.3	1.0	1.3	1.8	3.6	1.0	6.1
22	4.6	4.1	5.9	4.6	4.5	5.7	4.8	4.3P	3.0	3.9	7.1	7.5	7.6	7.7	6.1	5.4	3.9	3.5	3.1	0.9	2.8	2.7	1.8	5.4	0.9	7.7
23	5.0	3.8	4.9	3.9	4.5	4.8	4.3	3.2P	2.4	4.5	5.1	5.6	6.0	5.2	3.8	4.7	3.5	2.7	1.7	1.8	2.2	4.1	2.9	3.7	1.7	6.0
24	3.5	3.9	3.3	2.0	5.5	4.8	2.7	3.0P	3.8	4.4	4.7	4.4	5.4	3.9	6.0	5.6	5.0	5.0	3.2	0.7	1.3	2.1	2.5	1.7	0.7	6.0
25	2.2	3.6	4.1	4.9	5.7	4.5	4.6	3.9P	3.0	4.8	5.7	5.1	5.7	6.9	6.6	5.3	5.0	4.4	3.3	3.3	3.7	5.3	6.1	6.7	2.2	6.9
26	7.1	6.6	6.8	5.7	4.9	6.9	6.6	4.9P	3.8	4.3	5.5	5.6	6.2	6.6	6.3	5.6	5.6	5.0	2.8	5.2	5.7	6.0	6.6	6.8	2.8	7.1
27	5.8	5.2	4.7	4.9	4.6	5.3	4.6	4.6P	4.0	4.8	4.6	3.9	5.1	6.9	5.5	3.9	5.2	2.8	2.3	2.9	4.6	4.9	4.3	9980b	2.3	6.9
28	6.1	5.8	4.0	3.4	4.4	5.7	5.4	4.3P	2.9	5.3	5.0	5.1	4.7	4.5	5.6	5.1	5.5	5.4	3.5	2.8	2.5	1.8	3.0	3.3	1.8	6.1
29	4.3	4.9	4.5	3.9	6.2	5.9	6.2	4.7P	2.6	3.9	4.4	4.5	3.9	4.3	4.4	4.1	5.9	4.5	2.6	2.3	3.2	5.0	4.6	6.1	2.3	6.2
30	6.2	6.4	6.4	5.7	5.4	4.2	4.3	3.0P	2.0	4.7	4.7	4.7	4.1	4.9	2.5	4.2	2.5	3.0	2.4	3.2	3.6	4.4	5.4	4.3	2.0	6.4

Flags:

- b = Bad Condition - Invalid Hour (9980)
- P = Power Failure - Valid Hour
- p = Power Failure - Invalid Hour (9978)

Monthly: 3.8 Ave 0.4 Min 7.7 Max

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: Apr 2009

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	6	10	12	10	6	6	7	5	6	10	9	5	5	6	11	13	12	11	11	9	9	9	9	8	5	13
02	7	7	10	10	8	10	8	5	5	6	6	7	8	6	7	6	6	7	7	7	6	7	7	5	5	10
03	3	6	10	6	4	6	7	7	5	7	6	5	7	8	8	11	13	10	8	9	10	10	10	9	3	13
04	8	8	7	6	3	3	7	10	10	10	9	8	6	6	7	9	6	4	9	9	6	7	8	9	3	10
05	9	5	5	7	8	8	7	9	11	12	8	7	8	7	9	11	10	9	8	9	8	10	12	10	5	12
06	7	7	8	10	9	8	9	12	10	9	8	5	8	7	8	10	7	10	11	9	9	11	11	10	5	12
07	11	8	5	5	4	4	5	8	9	6	5	8	9	9	10	9	6	6	6	8	8	6	6	8	4	11
08	7	3	6	7	6	6	4	5	5	3	3	3	3	4	5	6	5	6	5	6	7	6	6	8	3	8
09	6	4	5	6	5	6	6	7	4	2	5	7	8	6	6	9	8	7	7	7	6	7	5	6	2	9
10	9	7	6	5	5	7	8	8	8	5	6	8	7	6	7	10	8	6	6	7	6	8	6	4	4	10
11	7	8	8	10	8	21	13	10	40	28	13	14	10	7	8	6	7	11	12	10	7	8	7	7	6	40
12	9	10	8	5	6	6	7	7	8	10	11	9	6	4	6	6	6	8	9	8	8	6	5	7	4	11
13	6	6	5	4	7	9	10	7	6	7	7	17	8	6	7	8	6	7	6	3	5	11	10	8	3	17
14	7	6	8	9	5	7	8	4	5	6	6	8	8	9	10	10	10	8	9	10	8	6	7	6	4	10
15	4	5	7	4	3	6	4	4	5	5	6	7	6	3	4	6	7	10	9	10	10	6	6	7	3	10
16	6	5	4	2	5	5	6	5	6	6	6	7	7	7	11	7	9	11	9	10	7	3	6	6	2	11
17	5	5	3	5	6	5	3	6	8	5	5	8	10	9	7	6	7	10	9	8	9	8	69	81	3	81
18	24	32	32	31	34	28	31	20	36	67	39	27	17	8	8	7	6	3	3	6	5	6	6	23	3	67
19	43	81	30	4	6	10	66	84	26	73	26	19	35	19	21	32	30	34	35	20	11	14	28	27	4	84
20	24	34	50	52	37	31	32	29	30	151	99	117	77	28	25	20	23	21	9	11	13	12	19	30	9	151
21	32	34	37	33	39	34	34	35	22	21	21	13	13	12	17	19	10	9	7	7	6	6	6	5	5	39
22	4	4	6	6	7	7	5	5	6	7	7	7	6	6	6	6	7	7	5	5	7	6	5	4	4	7
23	6	8	6	6	6	7	10	10	9	10	10	10	11	8	10	8	6	9979d	6	6	7	8	5	6	5	11
24	7	6	6	6	5	6	6	5	6	9979d	8	10	8	6	7	5	7	11	9	9	10	9	10	8	5	11
25	8	6	5	5	5	3	3	6	5	7	9	8	6	7	8	8	8	9	10	10	11	11	10	8	3	11
26	7	6	7	10	11	10	8	10	12	10	11	10	9	13	15	11	8	10	10	8	9	10	9	7	6	15
27	6	7	4	5	8	8	9	12	17	10	11	20	19	19	16	20	20	24	21	17	16	15	15	18	4	24
28	25	40	36	36	42	29	50	28	33	47	58	49	21	21	24	29	28	34	33	25	21	18	21	38	18	58
29	41	40	37	26	34	35	35	35	35	35	38	33	36	41	45	37	43	44	50	46	43	21	12	9980b	12	50
30	11	10	9	10	9	9	10	13	21	10	11	17	23	25	11	11	9	9	10	10	10	7	7	7	7	25

Flags:

- b = Bad Condition - Invalid Hour (9980)
- d = Off-Line Part of Hour - Invalid Hour (9979)

Monthly: 13 Ave 2 151 Max

Monthly Matrix SO2 (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Apr 2009

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	0	0	0	0	0	0	0P	0	9995C	3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
02	0	0	0	0	0	0P	0	0	9995C	2C	0	0	0	0C 9995C	9995C	0	0	0	0	0	0	0	0	0	0	2
03	0	0	0	0	0	0P	0	0	9995C	6C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
04	0	0	0	0	0	0P	0	0	9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05	0	0	0	0	0	0P	0	0	9995C	2C	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
06	0	0	0	0	0	0P	0	0	9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07	0	0	0	0	0	0P	0	0	9995C	1C 9995C	0C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08	0	0	0	0	0	0P	0	0	9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
09	0	0	0	0	0	0P	0	0	9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0P	0	0	9995C	2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	2	8	5P 37	45	9995C	9C	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	45
12	0	0	0	0	0	0P	0	0	9995C	2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
13	0	0	0	0	0	0P	0	0	9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0P	0	0	9995C	2C 9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
15	0	0	0	0	0	0P	0	0	9995C	2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
16	0	0	1	0	0	0P	0	0	9995C	2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
17	0	0	0	0	0	0P	0	0	9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130
18	49	25	15	18	24	27	23P 44	124	9995C	25C	11	3	1	1	1	1	1	0	0	0	0	0	15	53	0	124
19	120	38	3	1	11	75	81P 34	115	9995C	5C	33	4	2	4	8	6	6	4	2	3	9	20	14	5	1	120
20	15	34	50	30	27	31	26P 39	252	9995C	158C	72	13	8	9	8	8	8	4	3	3	1	1	2	2	1	252
21	2	4	4	4	4	3	3P 2	2	9995C	4C 9995C	1C	2	3	0	0	0	0	0	0	0	0	0	0	0	0	4
22	0	0	0	0	0	0P	1	0	9995C	2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0P	0	0	9995C	9995C 9979d	6	3	1	0	0P 9979d	0	0	0	0	0	0	0	0	0	0	6
24	0	0	0	0	0	0P	0	0D 9995C	5C	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
25	0	0	0	0	0	0P	0	0	9995C	2C	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	3
26	0	0	0	0	0	0P	0	0	9995C	3C	12	17	4	1	0	0	0	0	0	0	0	0	0	0	0	17
27	0	0	0	0	0	0P	0	0	9995C	25C	16	15	11	18	9	11	5	2	2	1	1	1	3	0	25	
28	9	7	6	18	9	18	22P 42	64	9995C	58C 9995C	3C	5	22	27	24	20	10	3	1	1	3	3	1	3	1	64
29	3	2	1	1	1	1P 4	9	9995C	9C	10	9	9	10	11	12	10	6	4	2	0	0	0	0	9980b	0	12
30	0	0	0	0	0	0P	1	2	9995C	5C	4	2	1	0	0	0	0	0	1	0	0	0	0	0	0	5
31																										

Flags: Monthly: Ave 4 0 252
Min Max

- b = Bad Condition - Invalid Hour (9980)
- 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

Wind Direction (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: WD (DEG) Wind Direction
Month/Year: Apr 2009

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	84	86	84	61	66	198	248	229P	78	198	95	80	79	82	77	76	74	110	71	78	59	211	261	297
02	153	279	264	267	242	242	256P	198	183	233	180	175	153	177	100	66	75	80	84	98	81	267	302	278
03	207	219	126	290	285	257	273P	278	285	233	155	232	154	129	61	63	59	59	65	57	71	65	257	265
04	295	293	304	272	288	289	284P	207	90	59	64	66	68	66	63	61	155	217	238	244	248	193	267	295
05	310	296	282	268	270	279	282P	269	248	151	85	88	66	74	72	70	63	68	56	123	310	317	308	297
06	290	291	297	289	289	277	275P	271	180	167	256	215	127	59	75	60	62	58	242	275	242	273	260	211
07	269	265	277	214	260	263	270P	268	286	278	276	220	275	187	111	195	218	267	270	287	237	234	252	263
08	272	264	257	268	272	279	271P	281	252	149	76	161	134	116	69	106	149	251	285	258	260	277	272	273
09	268	252	272	243	270	281	278P	270	279	175	141	172	140	114	175	157	135	137	200	233	280	253	261	265
10	253	261	277	271	274	255	246P	268	290	286	240	147	101	90	184	108	203	292	275	243	244	256	229	248
11	259	251	219	179	255	137	121P	227	276	229	114	95	87	81	73	66	62	75	247	279	271	277	258	266
12	219	263	271	254	264	262	261P	260	119	79	69	116	69	60	80	80	70	86	204	263	232	201	142	221
13	278	286	270	295	272	278	275P	275	240	221	123	83	81	67	83	73	63	57	157	254	274	242	159	189
14	273	247	200	181	204	259	246P	262	227	234	113	62	71	75	72	76	74	76	110	76	99	65	265	255
15	241	292	216	271	208	285	277P	242	239	185	92	78	122	93	80	92	58	192	284	294	287	279	259	267
16	263	267	253	262	258	256	251P	233	224	163	175	91	83	96	98	103	95	92	118	221	234	241	246	242
17	235	246	249	250	240	262	263P	220	157	213	183	88	81	71	71	73	102	137	138	165	176	205	221	217
18	240	251	254	245	249	249	250P	273	191	114	77	83	76	85	81	91	87	110	131	186	242	230	208	242
19	217	238	231	239	249	241	228P	226	193	128	133	149	123	124	122	112	95	55	276	263	150	263	246	240
20	250	259	257	256	263	250	255P	240	128	114	77	77	75	91	88	89	102	233	272	255	263	253	252	255
21	248	252	255	249	254	254	254P	267	240	171	113	102	93	88	89	119	176	130	177	276	248	271	274	264
22	231	255	273	254	254	266	269P	213	155	151	102	142	132	132	177	184	215	263	276	279	275	275	246	274
23	242	255	254	255	278	233	259P	287	152	81	89	75	73	86	81	62	167P	266	274	277	256	234	240	227
24	257	261	255	255	256	200	221P	173	166	110	113	67	72	70	95	162	270	244	279	244	278	255	239	277
25	275	268	196	143	105	123	116P	96	92	93	80	114	89	115	212	244	263	174	253	261	251	262	165	244
26	243	260	251	252	256	246	250P	254	161	96	104	85	70	77	75	63	160	257	261	253	251	261	264	284
27	266	257	259	263	250	251	256P	254	167	153	77	70	82	84	102	126	270	131	235	249	245	246	236	209
28	231	249	265	276	256	243	246P	195	185	193	128	143	135	152	209	229	262	241	239	132	150	163	271	236
29	262	295	257	211	271	261	255P	196	97	75	73	78	70	74	64	104	94	210	290	270	177	258	252	9980b
30	248	246	247	245	257	242	250P	273	214	95	95	97	89	77	72	68	72	81	135	235	276	273	266	
31																								

Flags: b = Bad Condition - Invalid Hour (9980)
P = Power Failure - Valid Hour
Monthly Ave: 193

Wind Speed (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: WS (MPH) Wind Speed
Month/Year: Apr 2009

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	3.8	3.8	2.1	2.9	2.7	2.5	2.7	2.7P	3.7	2.4	3.2	4.9	5.8	6.5	5.0	4.6	4.5	3.3	3.1	3.0	3.2	2.2	2.6	1.7	1.7	6.5
02	1.9	1.2	2.1	2.1	3.2	2.4	2.7P	2.7	3.6	3.0	4.8	4.0	3.7	2.9	3.8	4.1	4.0	4.3	4.1	2.8	2.8	1.8	2.3	1.9	1.2	4.8
03	1.9	2.3	2.4	2.1	2.3	1.9	2.0P	2.4	2.3	1.8	2.5	2.5	4.0	4.0	5.2	4.8	4.4	3.9	3.1	3.2	2.0	2.4	2.1	1.6	1.6	5.2
04	1.6	1.4	1.7	1.8	1.9	1.3	1.4P	2.9	3.7	4.9	5.3	5.4	5.3	5.3	5.5	5.7	4.0	2.9	2.4	2.7	2.6	2.4	2.3	1.7	1.3	5.7
05	1.7	1.6	1.5	1.2	1.4	1.4	1.4P	2.4	2.6	3.7	4.7	4.4	5.0	4.8	4.6	4.9	4.5	3.9	2.7	1.5	1.7	1.5	1.4	1.8	1.2	5.0
06	1.7	1.7	1.8	1.6	1.4	1.3	1.7P	2.0	2.9	3.3	2.6	3.2	3.6	4.5	4.3	4.5	4.2	3.0	1.5	2.0	2.3	2.7	2.5	2.0	1.3	4.5
07	2.4	3.3	2.7	1.8	2.2	2.4	2.6P	3.2	2.7	2.7	2.8	2.7	2.4	4.2	3.5	3.0	3.0	2.0	1.8	1.8	2.0	1.8	2.3	2.7	1.8	4.2
08	3.3	2.4	2.5	2.1	3.4	2.4	2.2P	1.7	2.9	4.6	3.9	3.5	3.4	3.9	4.5	4.7	2.8	2.6	1.6	2.1	2.8	2.8	2.5	2.2	1.6	4.7
09	1.5	1.7	2.9	2.5	2.8	3.6	3.3P	2.5	1.9	3.5	3.7	4.3	3.3	3.5	3.4	4.3	2.8	4.5	4.2	2.8	2.6	2.5	2.1	2.1	1.5	4.5
10	2.5	1.2	1.7	1.4	2.1	1.5	1.6P	1.2	1.8	1.9	0.5	1.6	2.0	2.5	0.7	2.0	2.0	1.4	2.2	3.1	3.1	2.8	2.9	2.7	0.5	3.1
11	2.7	2.9	1.7	1.3	1.2	0.6	0.9P	3.7	2.2	2.0	2.1	5.8	4.3	4.2	3.8	2.5	2.4	2.4	2.1	1.9	2.2	3.5	2.8	4.3	0.6	5.8
12	2.8	4.1	3.7	2.3	2.6	2.7	2.5P	1.4	2.1	3.3	3.9	4.4	5.0	4.5	3.7	4.0	3.7	2.6	2.6	2.5	1.8	2.0	2.6	1.6	1.4	5.0
13	1.9	1.6	1.9	1.6	2.4	2.2	2.5P	1.9	1.8	2.5	3.5	6.1	4.0	4.2	4.5	4.2	3.9	3.2	2.0	2.1	1.9	2.4	2.3	2.8	1.6	6.1
14	2.1	2.3	2.7	3.2	3.4	3.0	3.0P	2.6	2.2	2.7	3.4	3.6	3.6	3.9	3.8	4.7	4.2	3.7	2.3	3.0	1.5	2.8	2.3	1.8	1.5	4.7
15	2.6	1.7	1.9	2.5	1.9	1.6	1.7P	1.8	2.9	3.2	4.2	4.3	4.7	3.5	4.7	4.2	2.7	1.9	1.2	1.4	1.5	1.7	1.7	3.1	1.2	4.7
16	4.0	3.6	2.6	2.4	2.9	2.8	2.7P	2.4	3.0	4.0	2.1	4.4	5.1	6.1	4.3	4.7	3.9	2.7	2.8	1.1	1.8	1.4	2.6	2.7	1.1	6.1
17	2.5	3.4	2.9	2.1	2.3	2.2	2.0P	1.6	2.6	2.4	2.3	3.8	4.2	4.0	3.8	3.5	5.4	3.8	2.7	2.1	2.2	3.0	3.9	1.5	1.5	5.4
18	2.3	2.5	2.5	2.7	2.7	2.6	2.4P	1.3	1.5	2.1	3.0	3.3	3.9	4.8	3.6	4.2	3.5	4.1	1.2	1.0	0.9	1.8	2.7	3.8	0.9	4.8
19	2.2	3.7	2.4	3.6	2.4	2.6	2.7P	3.5	3.3	4.8	5.5	6.1	6.1	5.7	6.2	5.6	3.0	2.0	2.1	2.4	1.3	1.2	1.6	2.7	1.2	6.2
20	3.3	3.9	4.1	4.2	4.4	4.3	4.7P	3.0	1.7	3.4	3.1	4.5	4.8	5.2	5.0	3.7	3.3	2.6	1.9	1.3	1.4	1.9	2.5	3.2	1.3	5.2
21	3.4	3.5	2.8	3.3	3.4	3.0	3.1P	1.3	1.5	3.0	5.4	6.0	4.8	3.2	3.5	4.4	4.9	3.1	2.5	1.9	1.9	1.6	1.5	1.3	1.3	6.0
22	0.6	1.1	2.2	2.3	2.1	2.3	1.8P	1.8	4.2	4.7	5.3	5.1	4.3	4.3	4.3	3.9	3.1	1.9	1.8	2.1	2.6	2.3	1.6	2.1	0.6	5.3
23	1.4	1.5	2.3	2.2	1.9	0.7	0.8P	1.3	1.1	2.8	5.5	3.8	3.7	3.1	2.2	2.2	1.5P	1.2	1.2	1.1	1.3	1.3	2.6	3.6	0.7	5.5
24	2.1	1.7	1.9	1.7	2.1	4.0	3.6P	4.7	3.4	2.9	2.3	3.4	3.4	3.4	2.9	1.6	1.7	2.8	1.7	1.0	1.7	1.7	1.2	1.3	1.0	4.7
25	1.4	1.9	3.0	1.6	2.1	4.1	3.7P	5.3	4.4	5.0	5.6	5.7	5.4	4.2	3.0	3.7	2.0	2.8	2.7	1.5	2.2	2.4	1.6	1.7	1.4	5.7
26	2.4	1.7	2.8	1.9	1.6	3.7	3.9P	2.4	3.7	3.8	4.7	4.7	4.4	4.8	4.5	3.3	1.8	2.4	2.7	3.4	3.0	3.1	2.5	0.5	4.8	
27	1.0	1.8	2.7	2.9	2.7	3.4	3.4P	2.9	1.9	2.4	4.0	3.6	3.0	2.4	1.7	1.6	1.8	1.4	1.6	2.2	2.1	2.2	2.4	3.5	1.0	4.0
28	3.3	3.2	3.5	2.1	3.2	4.8	4.8P	4.7	5.3	3.2	5.6	6.7	7.4	7.0	4.9	4.1	3.7	3.3	3.1	2.9	1.0	0.9	1.0	0.6	0.6	7.4
29	0.7	0.4	1.4	1.2	1.5	2.4	2.1P	2.0	3.6	3.2	3.5	4.2	4.4	3.6	3.1	2.8	2.1	2.0	1.6	1.3	2.1	1.8	2.2	9980b	0.4	4.4
30	1.3	1.4	1.3	1.8	1.6	2.1	2.6P	1.0	2.0	4.0	4.9	3.6	4.6	6.3	4.5	4.1	3.6	3.1	2.8	1.8	0.9	0.9	1.0	0.9	0.9	6.3

Flags: Monthly: 2.9 Ave 0.4 Min 7.4 Max
b = Bad Condition - Invalid Hour (9980)
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: Apr 2009

		HOUR BEGINNING (Local Standard Time)																								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	23	Min	Max
01	2	4	9	20	9	21	3	3	5	7	8	7	6	6	3	27	19	14	12	10	10	10	11	10	10	2	27
02	6	6	19	8	7	6	9	OP	12	7	10	11	17	11	12	10	7	5	7	9	9	6	4	7	0	19	
03	9	6	6	6	21	2	7	OP	10	11	19	17	18	18	16	12	9	17	17	20	29	15	18	15	0	29	
04	13	24	22	16	21	13	18	OP	14	31	12	10	7	6	6	5	4	9	17	24	13	13	14	19	0	31	
05	19	23	18	15	13	13	17	OP	13	13	10	6	5	9	9	7	6	7	12	14	17	29	39	53	0	53	
06	34	20	17	18	11	11	17	OP	12	19	25	10	13	13	8	7	7	4	6	11	13	25	31	24	0	34	
07	22	12	14	12	7	6	8	OP	12	20	38	19	10	10	10	9	8	11	33	45	31	37	28	5	0	45	
08	7	10	9	6	9	12	12	OP	21	17	19	16	16	14	13	10	8	12	31	39	19	7	9	13	0	39	
09	16	26	19	17	15	18	8	OP	26	27	33	21	33	17	18	13	21	19	21	8	17	28	28	24	0	33	
10	22	24	27	32	27	24	21	OP	27	25	20	22	17	23	18	19	24	15	13	11	11	18	30	23	0	32	
11	28	23	24	25	20	32	30	OP	29	33	19	10	8	5	3	3	3	3	6	7	6	9	17	7	0	33	
12	8	7	8	13	12	20	21	OP	35	33	30	17	13	10	8	9	10	9	6	35	25	21	22	26	0	35	
13	19	10	12	20	19	14	14	OP	9	6	24	18	10	7	2	3	6	7	10	14	37	19	17	9	0	37	
14	6	16	12	11	39	30	10	OP	8	23	20	15	17	5	6	8	10	15	16	27	23	14	23	6	0	39	
15	16	26	42	35	21	21	12	OP	6	4	6	18	14	9	6	7	10	9	7	11	30	28	7	7	0	42	
16	10	11	18	15	19	17	7	OP	13	26	11	10	5	4	6	4	3	1	2	2	2	5	5	4	0	26	
17	3	7	12	13	13	14	18	OP	12	5	1	4	4	4	3	2	0	-1	1	2	0	2	5	10	-1	18	
18	12	8	10	13	18	23	19	OP	36	62	57	24	6	3	1	3	3	3	1	1	1	0	0	-1	-1	62	
19	2	4	4	2	2	2	2	OP	6	6	2	2	2	1	2	3	3	5	5	7	9	7	8	7	0	9	
20	8	9	11	12	12	12	18	OP	16	14	11	8	5	7	9	8	6	8	10	7	7	8	10	9	0	18	
21	7	7	8	11	21	62	135	OP	58	142	89	59	56	47	27	21	15	18	18	21	28	30	30	26	0	142	
22	31	39	28	21	24	26	21	OP	18	31	31	38	39	52	28	14	17	11	11	9	16	30	19	13	0	52	
23	22	19	25	22	18	12	13	OP	11	13	35	35	36	36	0	2	3	6	24	0	-1	-1	0	1	-1	36	
24	6	7	7	9	10	7	9	OP	10	11	11	8	7	12	15	9	3	3	5	11	24	23	17	16	0	24	
25	22	20	10	12	10	9	9	OP	13	19	15	23	40	42	62	61	55	55	55	38	38	31	29	41	0	62	
26	37	21	27	19	28	25	34	OP	37	36	35	42	54	31	33	28	23	17	15	17	22	57	70	71	0	71	
27	83	79	76	65	52	49	48	OP	52	58	77	78	74	71	93	37	33	36	23	19	25	29	35	35	0	93	
28	43	38	32	25	17	21	20	OP	13	17	18	16	13	10	9	10	11	12	13	12	9	8	9	7	0	43	
29	5	8	10	8	8	9	9	OP	10	21	66	79	66	31	30	35	38	35	28	25	24	17	13	27	0	79	
30	28	13	14	14	17	15	24	OP	19	27	46	83	51	28	17	6	6	7	8	10	10	10	18	20	0	83	
31																											

Flags: P = Power Failure - Valid Hour

Monthly: 17 Ave -1 142 Min Max

Monthly Matrix SO2 (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Apr 2009

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	38	160	271	50	67	45	39	92P	98	28	8	16	9995C	3	60	59	9	13	71C	9995C	168C	183	176	62	3	271	
02	98	252	172	76	122	109	93	74P	96	84	71	72	9995C	32	16	3	4	5	6	24	62	82	67	60	3	252	
03	22	53	46	65	16	33	39	72P	36	67	69	46	9995C	12	3	3	6	4	50	64	52	38	31	26	3	72	
04	63	76	93	153	98	106	95	87P	155	77	44	15	9995C	5	8	9	44	39	89	99	86	335	347	162	5	347	
05	294	235	188	118	139	125	150	117P	131	86	11	10	9995C	5	2	2	1	6	27	54	95	133	226	157	1	294	
06	139	148	114	76	93	103	114	154P	212	93	20	13	9995C	6	2	2	2	8	58	116	241	380	236	213	2	380	
07	149	96	60	62	66	125	125	86P	79	92	26	15	9995C	10	2C	5C	24	104	99	93	124	97	45	63	2	149	
08	81	62	59	72	147	156	133	274P	285	225	51	28	9995C	19	14	5	32	87	131	60	120	161	187	169	5	285	
09	172	194	247	194	150	89	138	371P	454	346	91	91	9995C	19	12	34	35	63	39	63	84	79	84	69	12	454	
10	71	97	100	88	72	75	83	80P	44	52	42	40	9995C	44	7	4	2	2	5	15	24	50	69	63	2	100	
11	85	66	66	35	82	76	92	67P	90	48	23	3	9995C	2	1	1	0	0	0	1	4	22	13	9	0	92	
12	8	20	22	19	45	52	41	92P	105	80	18	24	9995C	5	5	5	1	8	105	84	59	76	56	58	1	105	
13	37	199	396	291	202	169	119	116P	42	61	34	13	9995C	2	2	3	6	12	41	125	161	246	120	77	2	396	
14	61	60	53	126	113	65	62	34P	75	54	33	6	9995C	5	2C	2C	6	13	64	351	176	214	99	212	2	351	
15	343	192	139	105	120	135	98	65P	109	12	51	30	9995C	4	9	8	3	10	32	85	185	153	19	56	3	343	
16	55	69	59	67	57	44	29	78P	83	41	4	2	9995C	2	1	1	1	0	0	1	1	4	3	5	0	83	
17	13	8	14	16	26	32	39	39P	4	8	2	1	9995C	1	0	0	0	0	0	0	0	3	17	16	0	39	
18	8	13	26	81	157	66	42	60P	156	146	52	12	9995C	4	1	1	1	0	1	0	0	0	0	1	0	157	
19	1	1	1	0	0	0	5	30P	7	1	0	0	9995C	1	0	0	0	0	0	0	0	0	0	1	0	30	
20	0	1	1	2	2	14	11	8P	6	6	3	2	9995C	3	2	1	1	1	1	0	0	0	0	0	0	14	
21	0	1	5	11	72	173	118	100P	234	159	97	81	9995C	16	10C	5C	5	7	6	20	27	21	27	44	0	234	
22	66	67	77	100	112	102	65	88P	85	132	149	154	9995C	52	27	14	9	7	8	37	60	32	24	43	7	154	
23	44	38	30	33	27	34	36	48P	39	81	85	9979d	9979d	9979d	5C	9995C	3	2	1	1	0	0	0	0	0	85	
24	0	0	0	0	0	1	1	1P	1	1	2	10	9995C	12	2	1	3	9	20	27	22	20	15	32	0	32	
25	78	83	87	36	43	40	32	18P	14	24	32	61	9995C	87	74	66	60	52	42	36	26	28	34	22	14	87	
26	16	17	11	23	39	137	137	133P	82	79	86	79	9995C	37	25	18	13	10	8	20	91	104	105	119	8	137	
27	115	100	81	74	61	60	72	55P	74	118	119	102	9995C	132	41	29	30	13	9	9	12	9	5	8	5	132	
28	6	4	3	1	2	1	1	1P	2	1	1	1	9995C	1	0C	0C	0	0	0	0	1	1	0	0	0	6	
29	0	1	1	0	0	0	1	0P	17	100	127	100	9995C	21	19	19	16	12	10	9	6	5	14	14	0	127	
30	7	18	20	17	15	26	25	13P	37	74	116	65	9995C	5	3	1	1	1	2	2	1	8	6	20	1	116	
31																											

Flags: Monthly: 55 Ave 0 454
C = Calibration - Valid Hour
c = Calibration - Invalid Hour (9995)
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: Apr 2009

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	151	150	63	210	174	146	175	138P	108	98	85	76	81	85	73	92	88	83	60	71	63	97	60	295
02	156	157	152	76	275	262	288	123P	104	94	97	108	104	103	109	106	94	89	95	80	116	266	116	148
03	69	67	70	57	98	121	316	179P	132	85	94	100	100	108	115	130	101	92	84	128	163	97	186	201
04	298	244	302	316	296	317	285	245P	194	125	103	106	106	106	109	106	103	105	141	144	206	104	112	123
05	172	275	271	252	273	285	311	276P	227	126	96	110	105	111	114	114	127	101	96	88	111	178	233	244
06	330	311	321	303	295	306	306	180P	124	136	106	106	102	103	108	107	102	160	153	226	232	295	302	327
07	318	260	297	314	260	277	183	166P	113	111	104	108	104	102	106	106	97	103	93	138	209	218	288	270
08	283	309	305	319	309	287	310	283P	236	184	129	98	108	125	103	166	138	93	80	159	248	223	302	310
09	251	307	296	297	272	308	294	141P	211	167	104	113	120	148	112	101	81	139	108	192	81	239	280	223
10	279	273	301	306	325	307	271	263P	296	211	274	260	143	71	109	72	142	196	296	286	293	311	287	320
11	308	315	270	335	256	292	301	283P	132	96	114	108	115	292	96	222	124	240	73	69	76	124	271	226
12	308	277	278	248	242	272	248	229P	102	103	98	100	110	121	137	90	87	77	88	221	161	80	70	101
13	130	211	199	254	239	233	304	189P	90	103	102	102	110	105	98	102	98	89	102	276	302	263	286	276
14	210	275	211	105	158	245	237	132P	85	92	98	102	105	105	99	102	103	91	131	104	299	280	306	195
15	294	236	208	313	289	294	280	108P	169	107	110	99	103	105	100	104	96	118	214	112	162	87	87	239
16	165	172	195	63	210	48	172	79P	89	96	91	92	101	97	124	248	279	240	119	79	125	168	176	250
17	309	150	248	291	330	250	291	117P	86	112	104	99	79	129	260	288	273	267	322	316	327	324	314	288
18	326	327	322	321	323	325	327	323P	120	105	120	128	140	143	119	112	110	122	185	203	226	279	267	258
19	313	308	100	222	89	327	270	286P	121	168	155	158	153	156	172	206	259	287	302	324	327	320	325	322
20	333	307	320	324	325	320	318	212P	111	130	161	185	177	170	183	166	162	146	174	337	190	247	339	288
21	329	318	299	308	330	328	326	325P	132	131	161	147	170	150	121	120	113	145	266	262	302	327	300	299
22	295	328	326	320	326	322	320	177P	156	162	181	179	177	155	119	111	105	99	133	228	309	293	315	321
23	271	306	314	329	331	318	275	187P	147	182	119	123	124	136	146	137	144	124	194	255	267	307	311	322
24	311	323	329	325	312	321	323	266P	242	235	115	179	129	103	145	153	173	276	298	292	293	328	334	324
25	327	311	313	330	336	311	326	267P	184	184	167	167	178	196	209	200	197	261	264	265	321	295	313	315
26	326	275	316	314	318	325	322	242P	169	147	167	165	165	165	186	171	180	190	266	264	242	272	303	272
27	302	310	315	308	307	320	311	284P	283	185	207	266	191	177	170	155	102	94	254	337	328	332	320	323
28	324	329	325	324	320	321	319	253P	138	169	179	175	185	249	162	156	118	201	229	224	270	313	313	296
29	329	322	327	320	325	326	326	293P	157	177	169	160	131	132	108	89	119	128	145	123	260	274	279	317
30	333	330	320	324	321	321	320	317P	250	144	138	111	142	123	122	129	108	96	83	251	300	318	170	266
31																								

Flags:
P = Power Failure - Valid Hour

Monthly Ave: 203

Wind Speed (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: WS (MPH) Wind Speed
Month/Year: Apr 2009

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	5.2	4.8	4.4	4.3	4.8	5.0	5.3	4.2P	3.7	3.9	5.1	6.1	5.7	5.7	5.5	6.1	5.3	4.2	4.6	3.3	5.2	4.4	3.9	4.5	3.3	6.1
02	4.3	3.1	3.8	2.6	3.2	2.9	3.5	3.9P	3.8	6.4	7.2	9.0	9.9	6.8	7.3	7.6	5.0	4.6	4.0	3.7	4.6	4.0	2.5	2.9	2.5	9.9
03	3.3	2.3	4.1	3.1	3.1	2.8	4.6	2.8P	2.1	3.6	5.2	5.5	6.6	7.9	7.7	6.2	6.8	5.5	4.4	2.6	3.0	2.8	3.1	2.1	2.1	7.9
04	3.0	3.1	5.2	4.3	3.9	4.2	4.3	2.7P	3.3	6.5	9.2	11.0	12.2	10.8	13.1	11.3	7.8	5.2	4.1	3.8	2.7	2.8	3.5	2.9	2.7	13.1
05	3.2	2.4	3.5	3.5	4.0	3.7	4.2	2.6P	2.6	7.1	8.1	11.7	9.3	6.6	6.5	5.0	5.1	5.1	5.2	3.6	2.9	3.4	3.0	3.3	2.4	11.7
06	4.3	3.9	4.6	4.2	4.7	4.6	3.7	2.3P	3.1	6.9	10.6	8.2	8.3	8.0	9.7	9.3	7.2	4.1	2.3	3.0	2.0	3.6	4.3	5.2	2.0	10.6
07	4.6	2.4	3.1	4.1	3.2	4.4	3.6	3.8P	2.7	3.3	6.2	6.4	6.9	5.1	5.3	5.4	5.0	5.9	3.7	3.3	3.8	2.9	3.3	3.0	2.4	6.9
08	2.5	2.7	3.5	4.3	3.7	3.9	3.8	1.8P	2.0	3.2	5.8	8.7	7.0	5.4	4.2	4.3	3.3	5.0	3.8	3.1	2.2	2.6	3.0	3.0	1.8	8.7
09	3.7	3.4	2.8	3.3	2.6	3.3	4.9	4.2P	2.2	3.1	6.3	8.2	4.9	5.0	5.3	3.9	4.7	4.3	4.9	2.6	3.7	2.2	2.7	2.2	2.2	8.2
10	2.9	3.2	2.3	2.3	3.8	3.9	4.6	5.4P	4.0	1.8	2.7	2.7	1.1	2.9	2.4	3.2	2.9	3.4	2.9	2.5	2.7	2.6	3.8	5.1	1.1	5.4
11	4.1	3.8	3.6	3.4	2.9	4.3	3.3	1.6P	1.8	4.5	7.7	3.9	2.4	3.6	2.9	2.9	2.5	1.1	2.6	2.7	4.0	3.4	4.4	2.8	1.1	7.7
12	3.6	2.4	2.6	4.5	4.8	3.6	3.0	3.3P	3.8	4.4	3.0	2.4	2.9	2.4	4.8	4.0	4.8	4.4	3.7	3.3	3.4	4.4	2.9	2.4	2.4	4.8
13	3.4	4.4	2.7	3.0	5.0	4.1	4.6	3.2P	3.7	7.4	7.0	6.4	8.1	8.6	6.5	4.9	5.3	4.0	3.0	2.2	3.4	3.7	3.5	3.1	2.2	8.6
14	3.0	3.0	3.1	2.9	4.4	3.4	3.8	3.4P	5.4	7.0	9.3	11.9	10.3	9.0	7.5	5.8	4.8	4.5	2.4	2.0	3.0	4.5	3.7	3.9	2.0	11.9
15	2.7	2.4	1.7	3.9	4.3	3.9	4.3	2.2P	3.7	10.1	9.5	8.0	8.1	7.0	4.7	4.3	4.3	3.5	2.0	2.8	1.9	3.9	3.6	3.6	1.7	10.1
16	2.8	2.9	5.1	2.9	4.8	3.6	3.2	2.1P	3.2	6.4	5.7	5.2	5.8	4.6	2.6	2.8	4.2	3.9	2.3	2.3	2.6	2.7	3.4	3.2	2.1	6.4
17	2.8	2.1	1.9	2.4	3.4	2.4	3.2	2.4P	1.6	4.9	3.5	4.8	1.9	2.2	1.2	1.4	1.4	2.3	3.6	4.8	5.0	3.8	2.9	2.7	1.2	5.0
18	3.2	4.2	4.8	4.3	4.9	4.6	4.1	2.9P	1.6	3.3	4.3	4.5	3.7	2.0	4.2	2.8	4.0	3.4	2.2	2.2	4.2	5.4	5.4	5.1	1.6	5.4
19	3.7	4.0	2.6	2.7	2.4	4.8	3.5	2.7P	3.2	4.9	5.0	5.3	3.9	3.7	3.0	1.0	1.6	2.1	3.7	3.8	4.8	3.5	4.1	4.8	1.0	5.3
20	4.0	3.2	3.5	4.3	5.0	4.0	3.4	1.7P	1.9	3.1	4.3	4.8	5.3	4.2	2.7	2.7	2.3	0.7	1.4	2.6	2.5	3.2	3.5	3.5	0.7	5.3
21	3.7	2.8	4.3	3.5	4.0	4.1	3.8	2.8P	1.5	2.4	3.0	5.7	4.6	4.2	5.6	5.4	5.1	2.9	2.7	2.2	2.5	3.3	3.1	2.7	1.5	5.7
22	2.6	3.7	4.2	4.5	4.0	4.0	3.2	2.2P	2.7	3.0	4.7	6.5	5.9	5.2	6.1	6.3	4.7	3.4	2.1	2.6	2.7	2.4	3.0	3.2	2.1	6.5
23	1.3	2.2	2.4	3.2	3.5	3.6	2.0	1.0P	1.9	3.7	4.9	6.2	6.0	4.5	5.7	5.1	4.2	2.4	1.7	1.8	1.3	1.9	2.7	4.4	1.0	6.2
24	3.7	3.6	4.2	4.0	4.7	3.9	4.1	2.6P	1.3	1.4	3.9	5.8	5.4	5.6	3.2	3.3	3.4	1.9	1.6	2.5	2.3	3.7	4.4	5.2	1.3	5.8
25	5.3	3.6	4.0	4.7	5.8	4.3	5.8	2.2P	2.1	3.4	4.5	3.8	3.9	4.3	3.3	3.5	1.7	1.4	1.8	2.3	2.4	2.3	2.3	3.2	1.4	5.8
26	4.6	4.0	3.2	2.8	3.7	5.4	4.7	2.3P	2.5	4.1	4.6	4.5	5.1	5.1	4.1	4.4	2.6	2.0	1.9	1.9	1.6	1.8	1.8	1.9	1.6	5.4
27	2.0	1.9	2.2	2.3	2.4	2.4	2.2	1.7P	1.6	1.9	2.0	1.5	1.8	2.6	2.4	0.6	1.2	1.0	2.5	2.7	3.1	3.5	3.5	4.4	0.6	4.4
28	4.4	5.2	5.0	4.9	4.0	4.7	3.5	1.7P	2.4	4.3	4.1	2.8	2.8	2.7	3.1	1.9	2.1	3.3	2.7	2.9	2.6	2.4	2.2	2.2	1.7	5.2
29	2.6	3.0	3.9	3.2	3.8	4.6	5.3	2.7P	2.7	3.8	4.3	3.7	5.3	4.8	5.1	1.8	3.5	2.5	1.8	1.7	0.9	1.8	2.6	2.7	0.9	5.3
30	3.7	4.0	3.1	4.2	4.0	4.8	3.6	2.9P	1.0	2.3	4.0	4.9	4.7	4.8	5.7	5.1	4.3	2.7	1.4	1.2	2.3	1.8	3.2	3.7	1.0	5.7

Flags:
P = Power Failure - Valid Hour

Monthly: 3.9 Ave 0.6 Min 13.1 Max

Monthly Matrix SO2 (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PE10
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Apr 2009

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	24	25	26	27	28	29			30									
01	2	3	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	995C	995C	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3									
02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
03	2	2	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
04	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
05	2	2	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2								
06	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2								
07	2	2	2	2	2	2	2	2	995C	2C	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
08	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
09	2	3	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
11	2	2	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
13	2	3	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
14	2	2	2	2	2	2	2	2	2	2C	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
15	2	2	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2P	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
17	2	2	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
18	2	2	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
19	2	2	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
20	2	2	2	2	2	2	2	2	995C	2	3	4	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
21	2	3	3	3	3	3	3	3	995C	4C	995C	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
22	2	2	2	2	2	2	2	2	995C	2	2	2	995C	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
23	2	3	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
24	2	3	2	2	2	2	2	2	995C	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
25	2	3	2	2	2	2	2	2	995C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	3	2	2	2	2	2	2	995C	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	3	2	2	2	2	2	2	995C	9	22	30	21	17	11	7	4	4	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	3	2	2	2	3	3	5	995C	11C	995C	4	3	3	3	3	3	3	3	3	4	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
29	3	3	2	2	2	2	2	2	995C	3	5	7	14	18	22	17	13	14	11	8	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
30	3	3	3	3	3	3	3	3	995C	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31																																										

Flags: Monthly: Ave Min Max

C = Calibration - Valid Hour
c = Calibration - Invalid Hour (9995)
P = Power Failure - Valid Hour

Wind Direction (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PE10
Parameter: WD (DEG) Wind Direction
Month/Year: Apr 2009

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	84	80	82	68	60	38	23	40	69	91	95	95	90	90	80	68	68	57	60	64	49	54	64	68	
02	66	67	55	54	73	93	73	75	67	81	52	40	71	87	81	80	90	61	67	35	36	29	15	64	
03	36	65	10	349	342	341	349	354	49	63	73	75	63	56	51	52	64	59	55	45	44	42	44	37	
04	23	35	29	36	39	35	35	24	39	50	35	44	29	37	38	6	4	22	351	16	8	36	32	33	
05	17	9	358	345	360	7	350	349	346	34	21	23	35	47	70	66	56	58	61	51	36	35	44	43	
06	38	33	41	23	15	349	327	338	32	49	47	54	78	61	46	43	31	21	10	14	344	313	328	342	
07	303	293	305	302	312	315	319	326	333	340	9	17	28	46	52	52	55	49	27	23	356	6	346	314	
08	319	325	323	318	326	324	319	324	322	335	10	52	32	3	357	1	33	44	35	29	14	4	336	332	
09	329	324	343	328	335	322	313	321	341	337	15	354	55	40	42	43	40	25	22	22	36	29	10	8	
10	10	5	355	342	338	339	336	329	346	335	350	2	52	94	65	37	49	47	347	314	295	5	289	282	
11	318	290	165	360	322	277	320	314	46	104	63	72	97	91	65	76	82	12	45	347	306	355	312	348	
12	301	314	326	301	284	323	331	322	335	329	14	355	37	27	54	50	42	37	53	44	54	61	59	42	
13	35	26	2	359	351	352	331	349	53	71	88	72	89	80	96	77	73	53	50	33	40	41	33	39	
14	28	51	67	58	64	58	60	52	62	75	71	71	77	81	77	65	68	5	58	28	345	336	344	1	
15	358	49	45	56	16	355	350	335	49	59	81	79	76	96	88	96	77	56	57	30	1	7	18	6	
16	345	72	195	295	301	276	66	85	101	112	108	103	113	119P	105	110	116	105	119	84	92	279	249	213	
17	114	146	123	173	99	90	5	10	97	108	108	123	128	130	123	132	134	138	144	170	185	188	158	170	
18	243	255	166	246	270	258	270	281	100	104	114	125	122	138	140	127	113	147	139	141	155	152	160	142	
19	173	159	168	161	179	161	156	166	140	149	161	164	173	175	168	172	188	190	176	186	239	251	250	177	
20	240	191	219	199	224	178	193	197	179	191	173	167	158	167	164	183	179	184	204	265	299	300	300	299	
21	298	300	307	305	307	314	311	316	316	336	334	359	336	322	1	357	343	337	340	340	353	338	321	319	
22	308	307	312	312	312	307	308	320	337	343	351	17	356	6	16	349	335	323	318	304	304	330	345	326	
23	31	42	348	17	25	34	58	59	108	109	86	87	106	117	110	113	117	322	298	302	313	309	309	316	
24	316	324	343	326	320	317	317	326	354	60	8	5	62	62	35	17	340	347	359	351	331	319	304	318	
25	324	321	326	325	327	328	327	326	326	330	336	338	347	341	348	342	334	336	324	317	320	326	328	314	
26	318	321	323	334	326	319	311	320	325	346	357	11	14	12	8	2	357	337	316	308	319	319	319	323	
27	317	306	303	316	316	316	322	315	307	51	99	99	99	108	106	114	119	99	295	311	294	266	213	218	
28	224	194	282	280	283	260	204	213	173	182	197	162	157	161	169	156	177	177	247	272	312	328	332	334	
29	350	354	342	349	338	332	339	3	38	73	64	98	97	93	81	81	103	27	353	342	334	316	320	328	
30	319	315	324	318	319	317	323	327	327	336	355	0	20	10	12	15	7	8	355	349	347	348	347	346	
31																									

Flags: P = Power Failure - Valid Hour Monthly Ave: 176

Wind Speed (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PE10
Parameter: WS (MPH) Wind Speed
Month/Year: Apr 2009

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	2.2	1.8	2.1	1.4	1.5	0.6	1.1	2.4	1.9	3.0	4.7	6.5	6.7	5.5	5.1	5.0	5.0	4.8	4.3	3.5	3.0	3.0	3.1	3.8	0.6	6.7
02	2.7	2.7	2.1	2.7	2.3	3.2	2.4	2.9	3.9	5.0	6.2	4.9	4.5	5.2	5.2	5.1	4.6	4.6	3.7	3.1	2.3	1.5	1.3	2.0	1.3	6.2
03	0.8	0.9	0.4	0.3	0.4	0.5	1.1	0.7	1.6	3.5	3.2	4.2	5.4	5.8	5.3	5.4	5.2	5.3	4.3	4.1	3.8	3.0	3.0	2.8	0.3	5.8
04	3.1	2.3	2.0	2.5	2.8	3.6	4.9	4.8	5.9	6.0	5.8	6.5	6.5	6.1	6.2	5.0	5.1	2.9	2.7	1.2	1.9	2.7	3.8	3.9	1.2	6.5
05	2.9	2.9	1.9	1.1	1.0	2.3	2.3	2.4	3.9	5.0	5.2	5.3	4.6	5.5	4.7	4.7	4.6	4.2	2.9	2.2	2.4	2.3	2.4	2.3	1.0	5.5
06	2.1	1.7	2.0	2.1	1.8	1.9	3.1	3.6	4.2	5.8	6.2	6.3	5.8	5.7	5.7	5.0	5.6	3.8	2.5	0.6	1.7	2.3	2.2	2.6	0.6	6.3
07	3.4	2.3	1.1	1.3	0.6	0.8	0.3	1.0	2.0	1.5	3.8	4.6	4.3	5.3	5.7	4.9	4.6	4.2	3.1	3.1	2.2	2.3	1.8	2.4	0.3	5.7
08	3.0	2.6	1.8	2.7	1.5	2.0	1.8	4.0	5.3	5.0	4.0	3.9	4.9	3.6	4.0	3.6	4.4	4.2	2.9	3.3	3.2	2.3	2.6	3.2	1.5	5.3
09	3.2	2.9	2.0	1.6	1.5	3.5	4.1	4.5	3.8	3.9	4.0	4.5	3.7	4.7	5.3	5.5	5.0	5.6	5.0	5.0	4.3	4.2	3.5	3.5	1.5	5.6
10	3.8	3.1	2.3	2.5	3.5	3.1	2.7	1.2	1.0	1.7	0.8	0.9	1.7	1.5	1.1	0.8	0.7	0.5	0.6	1.1	0.3	0.3	0.4	0.3	0.3	3.8
11	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.6	0.7	2.1	3.2	3.8	2.0	2.1	2.8	2.7	1.3	0.7	0.8	0.4	0.7	0.5	0.4	0.3	3.8
12	0.6	0.3	0.5	0.6	0.4	0.9	1.5	1.7	3.3	4.9	4.1	3.8	5.1	5.4	4.4	3.8	4.2	3.7	2.8	2.6	3.0	3.0	2.8	2.9	0.3	5.4
13	2.8	2.4	1.6	1.2	0.8	1.3	3.0	2.5	3.5	5.0	4.5	4.3	5.0	5.7	5.4	4.7	3.6	3.5	3.4	3.0	3.0	3.5	4.4	2.7	0.8	5.7
14	3.5	2.9	3.0	3.8	4.1	3.8	3.9	3.9	4.0	4.4	6.0	6.7	6.9	6.6	5.9	5.0	4.9	3.5	4.3	3.6	2.9	2.4	3.5	2.5	2.4	6.9
15	2.1	2.7	3.2	3.0	2.7	1.8	1.9	2.8	4.1	5.5	3.8	5.1	5.1	5.3	5.1	4.9	4.3	3.9	2.5	1.4	1.1	1.5	1.4	1.5	1.1	5.5
16	1.3	1.5	1.0	0.4	0.3	0.3	0.8	1.1	2.4	3.2	5.1	4.6	4.9	5.3P	4.9	5.0	3.8	3.4	1.0	0.7	0.5	0.3	0.5	0.6	0.3	5.3
17	1.4	1.0	1.0	1.1	1.4	1.4	0.8	0.9	2.8	3.8	3.9	4.4	4.9	4.4	4.5	5.0	4.0	3.3	1.9	0.8	0.4	0.4	0.3	0.3	0.3	5.0
18	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	1.0	1.8	4.0	3.9	4.2	4.7	4.0	4.2	3.3	3.0	1.1	0.8	0.7	1.0	0.7	1.1	0.3	4.7
19	0.6	0.7	0.5	1.0	0.9	0.3	0.5	0.9	3.0	3.4	3.6	2.9	3.4	3.6	2.7	2.9	1.4	0.7	0.6	0.3	0.4	0.4	0.3	0.3	0.3	3.6
20	0.3	0.3	0.4	0.8	0.4	0.9	1.0	1.2	1.8	1.9	2.9	3.8	4.6	4.0	4.1	2.9	2.4	1.4	0.6	0.8	2.4	2.4	3.0	3.3	0.3	4.6
21	1.0	0.9	0.5	0.4	2.1	2.9	3.1	4.6	6.2	4.9	4.1	3.6	4.6	2.9	3.0	4.6	4.0	4.2	4.3	4.0	3.5	3.1	4.4	5.2	0.4	6.2
22	5.5	5.3	5.3	5.1	6.4	6.9	6.6	7.6	6.0	5.7	3.6	4.3	4.0	4.2	3.8	3.7	4.7	4.9	4.8	4.9	4.9	3.5	2.6	2.4	2.4	7.6
23	2.4	1.7	0.5	0.9	0.5	0.8	1.2	1.4	3.7	3.8	3.6	3.7	4.0	3.7	3.9	4.1	3.7	1.3	2.3	2.3	3.7	5.7	8.4	9.5	0.5	9.5
24	9.6	8.5	3.6	4.9	9.3	11.3	10.6	8.9	6.3	3.3	1.8	4.9	4.2	4.0	3.2	1.3	1.7	2.3	3.2	2.2	4.4	4.0	4.4	4.3	1.3	11.3
25	4.9	8.9	11.3	12.0	10.9	11.5	11.0	11.0	10.0	10.4	9.6	9.3	8.6	8.4	7.0	7.3	7.8	6.9	7.4	7.6	7.1	6.2	6.0	4.8	4.8	12.0
26	4.2	4.3	5.8	5.5	5.5	5.5	4.6	4.1	5.7	5.8	5.7	5.1	5.1	6.0	5.3	5.5	4.7	4.4	5.2	4.6	3.3	3.1	1.9	3.0	1.9	6.0
27	4.1	4.0	2.8	1.1	1.7	1.1	1.1	4.5	2.7	2.7	4.5	4.6	4.1	3.4	2.8	2.3	1.9	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	4.6
28	0.3	0.5	0.4	0.3	0.4	0.6	0.3	0.8	2.3	2.3	1.8	2.9	4.9	4.1	3.6	3.1	1.9	1.1	0.7	1.7	4.0	3.8	2.4	0.9	0.3	4.9
29	0.3	0.6	0.9	1.6	1.6	3.1	2.0	2.2	1.6	1.2	2.4	4.3	4.9	4.8	4.1	4.1	3.5	2.8	1.8	2.8	5.5	6.6	6.9	5.8	0.3	6.9
30	5.4	4.6	6.2	5.6	5.4	4.8	5.5	6.5	7.2	6.8	6.3	6.3	6.1	6.0	5.9	5.8	5.4	4.9	3.6	3.6	2.8	2.5	2.0	1.8	1.8	7.2

Flags: P = Power Failure - Valid Hour
Monthly: 3.3 Ave 0.3 Min 12.0 Max