

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: Oct 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max	
01	2	4	5	6	9978p	9978p	9978p	1	3	4	5	5	6	4	4	3	4	4	4	6	5	7	8	5	5	1	8
02	6	6	8	5	1	3	4	5	5	8	8	8	6	7	9	7	9	11	9	9	9	10	9	7	7	1	11
03	9	7	9	9	9	10	9	7	7	6	4	3	6	4	3	3	4	4	3	2	5	6	4	5	2	10	
04	4	3	-1	3	7	0	-1	2	4	5	4	4	4	4	4	4	4	5	7	6	6	9978p	9978p	9978p	-1	7	
05	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2	4	5	5	6	5	5	5	5	5	4	2	6	6	9	6	4	4	2	9
06	3	5	5	4	2	3	3	2	1	2	5	5	4	2	3	2	2	5	4	5	9	9	7	7	1	9	
07	7	6	5	5	4	4	5	7	5	5	8	6	7	7	7	7	5	4	6	7	7	9	8	7	4	9	
08	7	4	5	6	5	5	4	4	3	4	4	3	5	6	3	3	3	3	3	5	7	6	5	6	3	7	
09	6	5	5	5	5	3	3	1	0	4	5	5	4	1	2	4	5	4	3	1	2	4	4	5	0	6	
10	5	3	4	6	5	2	2	4	6	4	1	4	6	8	7	7	8	8	7	7	7	6	2	3	1	8	
11	4	3	5	6	5	8	8	5	5	6	6	6	8	8	7	10	7	7	6	10	9	7	4	3	3	10	
12	5	5	4	6	6	4	2	3	5	2	2	5	4	3	2	2	3	5	6	6	5	3	6	5	2	6	
13	3	4	2	3	5	6	4	4	7	20	32	6	4	2	3	5	8	8	7	5	5	6	30	48	2	48	
14	58	52	54	35	29	32	18	22	19	15	11	7	7	8	6	7	7	6	3	4	6	7	6	5	1	23	
15	2	1	2	5	5	5	5	6	5	6	5	3	0	2	4	4	7	6	3	4	6	7	6	5	3	58	
16	3	3	5	6	5	2	5	6	5	6	5	7	5	2	3	3	3	2	5	6	5	6	4	2	0	6	
17	5	5	4	4	5	4	1	2	5	6	0P	8	5	2	2	1	5	7	6	5	6	6	6	6	0	8	
18	4	7	7	4	6	6	4	5	7	6	6	5	7	10	10	6	6	8	10	8	6	6	5	4	4	10	
19	5	7	10	8	5	4	5	5	5	6	7	6	4	9	11	8	8	6	6	5	5	9	7	3	3	11	
20	6	5	2	4	6	5	4	5	6	5	5	6	3	2	4	7	7	5	5	2	1	4	5	7	1	7	
21	8	24	16	13	14	13	22	36	25	24	8	7	7	6	2	2	2	3	2	2	3	4	2	3	2	36	
22	-1	0	2	2	2	3	5	2	4	6	5	4	3	2	3	5	8	4	4	9	7	4	4	3	-1	9	
23	4	4	2	3	4	6	6	5	5	3	0	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	0	6	
24	9978p	9978p	9978p	9978p	9978p	9978p	9978p	5	3	0	-1	-1	0	1	2	0	0	3	3	3	3	5	6	5	-1	6	
25	7	9	9	4	2	5	3	2	3	4	5	3	4	3	2	3	4	3	3	5	4	4	3	1	1	9	
26	4	4	3	7	6	5	4	4	4	4	5	3	3	3	2	3	3	5	5	4	3	4	3	3	2	7	
27	7	8	10	21	40	37	22	26	24	42	71	15	11	5	4	5	4	4	3	5	7	8	9	12	3	71	
28	14	20	19	21	23	16	21	17	21	16	19	10	10	9	5	3	2	3	5	4	3	3	3	5	2	23	
29	6	6	19	16	16	12	10	10	8	0P	0P	1	0	0P	7	5	5	4	5	5	4	4	4	5	0	19	
30	5	4	4	3	2	5	5	3	3	3	0	3	5	2	2	4	2	0	1	0	1	1	1	3	0	5	
31	2	2	1	4	6	3	1	2	3	4	6	5	4	5	6	6	6	4	0	1	3	2	3	4	0	6	

Flags: Monthly: 6 Ave -1 Min Max
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: Oct 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	1	1	1	1	1	9978p	9978p	1P	1C	9995c	4	2	1	1	1	9995c	9995c	2	1	1	1	1	1	1	1	1	4	
02	1	1	1	1	1	1	1	1P	1C	9995c	9	3	2	1	1	4	2	2	2	2	2	1	2	2	2	2	1	9
03	1	1	1	1	1	1	1	1P	1C	9995c	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
04	1	1	1	1	1	1	1	1P	1C	9995c	4C	2	1	1	1	1	1	1	1	1	1	1	9978p	9978p	9978p	1	4	
05	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1P	1C	9995c	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	
06	1	1	1	1	1	1	1	1P	1C	9995c	4	4	4	4	3	3	2	2	1	1	1	1	1	1	1	1	4	
07	1	1	1	1	1	1	1	1P	2C	9995c	3	2	9995c	4	6	4	4	2	1	1	1	1	1	1	1	1	6	
08	1	1	1	1	1	1	1	1P	1C	9995c	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	5	
09	1	1	1	1	1	1	1	1P	1C	9995c	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	
10	1	1	1	1	1	1	1	1P	1C	9995c	5	2	3	3	2	1	2	1	1	1	1	1	1	1	1	1	5	
11	1	1	1	1	1	1	1	1P	1C	9995c	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
12	1	2	1	1	1	1	1	1P	1C	9995c	8	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	8	
13	1	1	1	1	1	1	1	3P	27C	9995c	9	3	3	2	3	3	2	2	2	2	2	1	1	1	1	1	91	
14	63	74	82	38	33	34	33	36P	29C	9995c	8	3	9995c	3	3	3	2	2	2	2	2	2	1	1	1	1	82	
15	1	1	1	1	1	1	4	43P	20C	9995c	8	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	43	
16	1	1	1	1	1	1	1	1P	1C	9995c	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
17	1	1	1	1	1	1	1	1P	1C	9995c	4P	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
18	1	1	1	1	1	1	1	1P	1C	9995c	5C	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	5	
19	1	1	1	1	1	1	1	1P	1C	9995c	6C	3	5	3	2	1	1	1	1	1	1	1	1	1	1	1	6	
20	1	1	1	1	1	1	1	1P	1C	9995c	6C	5	4	3	5	4	3	2	3	2	2	2	1	1	1	7		
21	158	90	47	29	31	45	55	38P	31C	9995c	8C	7	9995c	7	9995c	9995c	9	3	2	2	2	1	1	1	1	158		
22	1	1	1	1	1	1	1	1P	1C	9995c	5C	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	5	
23	1	1	1	1	1	1	1	1P	1C	9995c	5C	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1	5	
24	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1P	1C	9995c	5C	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	
25	1	1	1	1	1	1	1	1P	1C	9995c	5C	2	2	1	1	5	9	3	2	1	1	1	1	1	1	1	5	
26	1	1	1	1	1	1	1	1P	1C	9995c	6C	3	2	2	2	5	9	11	8	4	4	2	2	1	2	1	9	
27	2	4	9	44	51	21	29	30P	40C	9995c	23C	15	5	3	2	2	2	2	2	2	2	2	2	3	4	2	11	
28	4	4	6	6	6	7	9	10P	15C	9995c	8C	6	9995c	9	5	3	3	2	2	2	2	1	1	1	1	2	51	
29	1	1	2	3	3	3	2	1P	2C	9978p	2P	9979d	9995c	9978p	9978p	19C	6P	2	2	1	1	1	1	1	1	1	15	
30	1	1	1	1	1	1	1	1P	1C	9995c	4C	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	
31	1	1	1	1	1	1	1	1P	1C	9995c	4C	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	

Flags: Monthly: 4 Ave 158 Min Max
 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: Oct 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	266	287	280	279	9978p	9978p	9978p	290P	21	67	61	73	62	60	53	51	52	49	332	307	242	267	251	266
02	266	264	263	254	260	257	262	271P	127	93	57	41	340	21	99	103	151	227	271	274	71	222	265	272
03	263	262	259	263	260	266	261	250P	261	10	317	63	58	57	64	58	56	138	273	274	268	263	285	273
04	270	259	259	15	264	266	264	285P	37	23	282	15	35	62	346	287	2	283	276	272	262	9978p	9978p	9978p
05	9978p	9978p	9978p	9978p	9978p	9978p	9978p	258P	136	105	74	58	49	54	57	35	54	36	300	266	267	259	257	259
06	255	260	260	265	250	258	250	268P	242	79	348	70	62	92	56	56	52	6	264	260	250	255	259	251
07	262	262	262	259	265	265	259	251P	145	116	96	86	94	93	99	97	102	131	227	264	263	257	258	259
08	259	259	283	244	262	260	259	260P	104	120	58	48	35	49	38	48	47	50	295	277	286	267	272	260
09	256	255	255	256	257	260	262	260P	284	67	63	55	57	47	58	56	57	40	296	280	256	270	331	113
10	179	256	46	224	331	296	279	272P	253	266	225	313	163	82	53	80	316	274	272	273	275	265	272	266
11	260	259	259	261	258	247	268	270P	275	216	71	34	60	43	61	84	62	43	280	269	265	263	261	261
12	264	257	264	267	265	260	264	264P	239	78	64	60	60	85	65	42	70	99	191	264	264	260	259	258
13	259	258	257	256	255	254	256	252P	181	147	126	104	111	99	96	96	101	124	213	255	256	260	259	254
14	252	253	255	248	251	255	245	250P	209	150	132	128	125	104	115	124	143	135	160	220	246	118	247	223
15	309	252	255	251	267	248	238	242P	221	200	236	194	267	259	226	243	261	247	261	238	266	255	267	276
16	264	270	266	260	262	261	264	261P	322	276	46	54	32	37	46	59	245	276	292	280	272	267	278	271
17	269	265	276	335	270	285	268	276P	294	280	311P	7	277	279	5	307	276	281	280	258	260	356	267	273
18	275	265	265	262	266	262	262	260P	279	206	250	23	59	48	39	1	9	302	263	261	260	269	258	266
19	252	260	242	263	262	263	284	276P	292	94	78	72	226	266	292	261	270	271	271	275	262	261	286	267
20	262	258	267	256	260	263	264	268P	159	103	119	94	67	98	106	61	47	95	211	265	258	266	262	257
21	253	258	262	263	261	264	264	260P	216	94	98	96	178	113	137	162	240	204	232	257	258	265	263	267
22	260	263	262	271	260	262	264	261P	264	181	71	70	55	56	46	62	47	357	292	274	275	269	268	270
23	268	263	260	262	262	263	265	261	276	290	42	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p
24	9978p	9978p	9978p	9978p	9978p	9978p	9978p	257P	144	73	60	55	52	51	46	48	31	31	257	264	263	260	265	266
25	264	261	262	264	260	263	259	260P	262	266	271	223	211	128	98	103	179	221	255	264	266	261	258	263
26	264	264	261	258	258	261	259	254P	220	135	81	52	51	30	56	93	97	91	218	263	269	264	265	264
27	261	259	258	258	260	259	260	262P	35	33	114	117	106	151	243	248	219	190	266	263	267	266	263	262
28	271	262	258	264	264	262	268	260P	261	282	115	117	96	103	94	43	47	46	169	262	269	263	261	261
29	262	260	260	260	262	264	260	271P	353	43P	70P	66	59	60P	66P	51	51P	44	290	287	274	269	265	265
30	262	263	260	285	287	274	269	274P	6	60	69	67	70	60	56	55	56	10	53	348	128	29	19	210
31	3	57	355	326	293	307	293	334P	330	3	46	2	27	33	46	32	358	336	300	287	285	283	271	263

Flags:

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

Monthly Ave: 201

Wind Speed (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: WS (MPH) Wind Speed
Month/Year: Oct 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	3.5	4.7	4.0	4.8	9978p	9978p	9978p	3.4P	3.5	6.0	5.8	6.8	6.6	6.0	5.2	5.2	5.0	3.0	1.7	3.0	2.2	2.7	2.3	3.4	1.7	6.8
02	3.0	2.9	2.3	2.8	3.9	3.3	2.4	1.9P	1.2	3.0	3.8	3.7	2.5	2.3	2.2	3.6	1.7	0.8	1.7	2.8	2.3	2.4	3.7	3.4	0.8	3.9
03	2.8	2.4	2.5	2.4	2.4	2.4	2.3	2.0P	3.6	3.8	3.8	4.4	4.9	5.2	5.1	5.6	3.5	2.7	3.4	2.9	2.8	2.6	3.2	4.0	2.0	5.6
04	3.1	2.7	3.3	2.1	3.4	3.7	3.3	3.0P	2.2	5.4	4.1	3.3	3.4	4.5	3.6	3.4	2.2	2.5	3.0	3.2	2.4	9978p	9978p	9978p	2.1	5.4
05	9978p	9978p	9978p	9978p	9978p	9978p	9978p	3.1P	1.7	2.6	4.4	5.5	5.5	4.7	5.1	4.1	3.3	2.7	1.1	2.4	2.8	2.9	3.7	3.4	1.1	5.5
06	3.8	3.3	3.2	3.1	2.7	2.9	3.2	5.3P	3.3	3.8	2.5	1.8	3.0	4.0	4.3	3.7	3.2	1.9	2.4	2.7	2.6	2.9	3.1	3.5	1.8	5.3
07	3.3	3.5	3.7	4.6	4.3	4.3	4.4	2.7P	2.6	4.1	3.3	3.9	5.8	6.5	5.9	4.5	3.7	2.6	1.2	2.3	2.6	3.2	3.4	3.5	1.2	6.5
08	3.7	3.7	3.4	2.9	3.1	3.6	3.8	3.4P	2.6	3.6	4.8	4.2	3.8	4.1	3.1	3.7	3.4	1.8	1.9	2.5	2.7	3.1	2.6	2.9	1.8	4.8
09	3.4	3.9	4.0	3.6	3.5	3.6	3.8	2.9P	1.9	4.0	4.2	5.6	5.2	4.8	5.2	4.6	3.5	1.8	2.9	1.3	1.7	2.0	1.5	1.4	1.3	5.6
10	1.0	1.6	1.0	1.6	1.7	3.2	2.8	3.9P	3.2	3.2	1.5	2.0	2.1	5.1	3.5	4.4	3.9	3.7	3.6	3.4	2.5	2.5	3.1	2.9	1.0	5.1
11	3.3	3.6	3.9	3.5	3.3	2.8	4.4	3.8P	2.9	1.8	4.3	4.1	5.2	3.4	4.2	4.9	3.5	1.4	2.7	2.8	2.7	3.4	3.3	3.0	1.4	5.2
12	2.7	4.2	5.0	4.2	3.0	2.7	2.3	2.3P	1.5	3.3	4.2	3.9	4.5	4.5	4.1	3.5	2.3	3.1	1.6	2.2	2.5	2.7	3.1	3.3	1.5	5.0
13	3.4	3.6	4.0	3.8	4.3	4.3	4.1	4.1P	3.2	4.3	5.9	6.7	6.7	6.9	6.4	6.7	4.7	2.7	1.4	2.0	2.5	2.6	2.9	4.2	1.4	6.9
14	4.5	4.4	3.9	3.3	4.1	4.0	3.0	3.0P	3.5	4.0	5.4	5.6	5.9	6.9	6.8	5.4	4.0	3.6	1.7	2.0	2.8	1.9	2.6	1.9	1.7	6.9
15	1.1	2.1	2.0	1.7	2.4	2.4	1.7	0.7P	0.6	2.3	2.2	2.8	3.0	3.7	2.6	2.6	2.8	1.6	4.1	4.2	4.8	3.6	4.2	4.7	0.6	4.8
16	4.1	3.9	3.1	3.2	2.6	3.1	2.7	2.6P	2.1	3.1	3.3	4.1	3.5	3.8	3.5	6.0	2.5	4.0	4.9	3.9	5.1	3.7	3.8	3.4	2.1	6.0
17	2.8	2.4	3.3	2.6	4.6	3.6	4.0	5.3P	3.2	4.0	2.4P	5.1	4.9	4.6	3.3	4.6	3.8	3.6	2.9	2.8	2.3	2.2	4.4	5.0	2.2	5.3
18	4.5	2.1	2.4	2.8	2.6	3.0	3.0	3.0P	2.2	1.8	2.5	2.2	2.7	2.7	1.9	1.7	1.6	1.9	2.9	4.2	3.6	3.6	4.8	3.6	1.6	4.8
19	3.3	4.0	2.4	4.0	3.3	2.1	1.3	4.6P	1.9	3.8	4.4	3.5	3.0	4.8	4.1	4.7	3.8	4.3	4.2	3.7	2.6	4.0	3.6	3.7	1.3	4.8
20	3.2	3.7	3.2	2.8	3.8	3.2	2.5	2.3P	2.7	3.5	3.2	4.0	4.8	5.0	4.3	2.8	2.5	2.4	1.1	2.0	2.2	2.2	2.7	3.3	1.1	5.0
21	3.4	3.4	3.1	2.9	3.3	3.1	2.7	1.9P	1.1	2.9	2.3	3.7	1.9	3.8	2.3	1.9	2.7	1.6	2.2	2.9	2.2	3.3	2.7	2.9	1.1	3.8
22	2.7	2.5	2.6	2.9	2.2	2.5	2.9	2.3P	1.8	2.3	3.1	4.6	4.7	4.6	4.0	4.3	3.3	2.6	3.0	3.2	3.7	3.8	4.0	3.9	1.8	4.7
23	3.6	3.9	4.0	3.5	3.0	3.1	2.9	2.2P	1.9	3.3	3.2	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1.9	4.0	
24	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2.7P	1.8	3.7	4.1	4.8	4.8	4.4	4.4	3.3	2.4	1.2	1.7	2.0	2.2	2.5	2.4	2.8	1.2	4.8
25	2.5	2.8	2.5	2.8	2.9	2.8	3.3	2.8P	2.2	2.1	1.8	1.3	1.3	1.8	2.8	3.4	2.0	1.2	1.8	2.2	2.6	2.7	3.1	3.3	1.2	3.4
26	3.4	3.3	3.4	3.6	3.8	3.3	3.7	3.7P	2.5	2.7	3.7	5.5	4.9	4.1	3.3	3.3	2.1	1.3	1.1	1.7	1.7	2.3	2.6	2.6	1.1	5.5
27	2.9	3.1	3.3	3.2	3.4	3.2	3.3	2.9P	2.0	1.4	3.6	3.0	3.8	3.2	3.2	2.9	1.6	1.1	1.3	2.1	2.5	2.1	2.5	2.2	1.1	3.8
28	2.3	2.1	2.9	2.9	2.8	3.0	2.9	3.1P	2.9	2.7	3.9	3.6	4.8	5.1	4.1	2.6	2.3	0.8	1.4	1.5	1.9	2.2	2.3	2.1	0.8	5.1
29	2.5	2.7	2.4	2.8	2.7	2.4	2.8	2.7P	1.7	3.9P	5.3P	5.9	5.8	5.6P	5.1P	3.9	2.6P	2.0	2.1	2.6	2.5	2.1	2.9	3.4	1.7	5.9
30	2.9	2.9	2.6	3.4	2.6	3.8	3.2	2.9P	2.5	3.3	5.1	5.7	6.2	5.5	5.4	5.9	4.6	3.5	4.6	2.2	2.4	2.9	3.9	2.0	2.0	6.2
31	3.1	3.9	2.8	2.7	2.6	3.3	2.7	1.5P	4.0	2.3	3.3	3.6	3.1	3.4	3.9	3.4	3.4	3.1	3.5	4.0	4.3	3.8	3.1	3.1	1.5	4.3

Flags: Monthly: 3.2 Ave 0.6 Min 6.9 Max

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: Oct 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max	
01	24	26	18	17	15	21	10	10	11	24	19	8	10	11	17	21	20	11	29	32	24	20	20	20	8	32	
02	16	16	10	10	8	20	9	11	13	17	18	20	14	16	13	17	18	17	18	17	17	20	16	20	8	20	
03	25	22	25	29	28	27	19	17	21	45	25	24	29	29	36	39	29	28	39	37	35	38	39	33	17	45	
04	38	25	26	37	28	28	18	18	26	18	19	17	17	17	16	12	13	22	24	27	32	24	29	19	12	38	
05	19	17	12	17	20	15	18	21	21	25	18	15	14	14	32	31	34	36	29	33	35	40	41	33	12	41	
06	29	32	22	27	19	19	25	26	21	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	19	32	
07	9978p	9978p	9978p	9978p	9978p	9978p	9978p	21	15	26	20	16	25	28	29	29	27	26	23	24	29	33	37	33	15	37	
08	36	43	38	32	30	33	28	27	26	9978p	9978p	9978p	9978p	9978p	0P	34	28	18	18	24	17	24	31	33	0	43	
09	36	39	35	35	33	22	23	23	25	21	27	23	23	26	40	32	27	23	27	22	23	31	34	25	21	40	
10	28	27	36	31	33	31	22	22	28	33	33	32	27	30	30	36	23	17	19	23	25	21	20	8	8	36	
11	8	8	7	8	16	14	12	11	16	13	16	19	12	13	26	31	27	18	20	21	18	23	23	23	7	31	
12	18	18	17	19	9978p	9978p	9978p	15	17	11	18	17	19	11	13	13	13	14	16	19	16	23	26	14	11	26	
13	13	16	18	11	16	15	12	9	12	19	15	24	16	15	18	20	15	15	23	28	25	15	21	16	9	28	
14	22	19	25	28	25	26	17	17	20	34	31	22	23	20	22	24	30	22	25	25	25	27	29	27	17	34	
15	22	26	22	22	26	27	27	29	21	30	31	26	28	28	33	31	29	24	27	30	33	31	32	29	21	33	
16	36	38	33	37	31	29	28	27	27	26	20	26	25	23	16	12	8	7	7	7	10	18	17	16	7	38	
17	13	13	14	12	8	6	10	12	13	18	12	16	19	10	18	23	13	19	11	13	12	9	10	23	6	23	
18	30	22	21	20	19	21	11	9	10	10	7	17	16	14	20	21	20	20	18	9	10	17	16	16	7	30	
19	23	17	15	18	14	12	10	12	18	13	12	19	20	10	11	12	12	12	12	11	10	12	12	12	10	23	
20	11	10	10	9	12	11	10	10	12	25	18	26	23	23	11	25	19	14	13	17	22	23	24	22	9	26	
21	24	29	26	20	27	16	17	15	14	27	22	24	24	19	16	17	17	14	28	20	10	9	18	9	9	29	
22	8	10	14	12	13	14	13	11	9	19	12	12	18	14	16	24	24	26	21	24	26	19	16	13	8	26	
23	17	16	15	14	16	13	17	12	21	14	22	17	13	19	20	7	9	11	10	9	24	20	25	21	7	25	
24	24	20	17	17	19	16	15	16	18	21	15	14	22	12	9	5	5	9	8	6	9	17	19	16	5	24	
25	20	19	17	18	9	10	12	12	10	12	17	20	18	16	12	9	5	6	11	20	12	12	11	12	5	20	
26	13	10	8	9	10	10	10	7	8	13	11	9	11	14	13	8	8	11	10	11	13	17	15	15	7	17	
27	14	14	14	16	15	17	12	11	10	20	23	23	33	25	26	22	18	17	21	19	22	32	33	31	10	33	
28	30	36	33	31	29	28	26	29	32	33	31	31	31	31	25	27	21	19	11	28	27	20	29	23	11	36	
29	31	23	22	22	22	21	23	22	21	19	32	23	23	24	23	21	24	24	26	22	29	31	32	29	19	32	
30	29	25	28	27	25	30	26	28	26	41	25	22	24	24	24	29	28	32	23	22	28	29	28	25	22	41	
31	22	20	18	19	20	14	12	17	17	0P	25	22	24	24	24	29	28	32	23	22	28	29	28	25	22	0	22

Flags:
 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: Oct 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	30	23	17	18	22	10	8	15P	26	32	9995c	8	5	7	14	7	1C	9995c	20C	14	12	8	10	9	1	32
02	10	8	4	1	3	1	1	1P	7	8	9995c	15	6	5	4	6	7	7	6	6	5	2	0	1	0	15
03	1	1	1	2	3	7	4	5P	8	8	9995c	8	9	14	12	5	5	6	10	4	10	12	7	12	1	14
04	12	7	9	7	5	3	2	2P	5	6	9995c	6	4	3	3	3	5	11	12	9	5	6	3	2	2	12
05	1	1	1	2	3	2	1	1P	6	4	9995c	4	4	26	29	35	32	26	22	18	26	19	13	12	1	35
06	5	2	2	2	1	1	3	3P	7	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1	7
07	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1	7	9	9978p	9	13	9995c	19	18	15	16	13	10	7	10	10	15	1	19
08	14	13	9	9	7	4	3	4P	10	9	9978p	9978p	9978p	9978p	9978p	11	8	4	2	1	1	1	3	3	1	14
09	5	3	2	3	2	1	2	5P	6	7	9995c	5	8	22	18	7	3	4	3	1	0	2	3	4	0	22
10	4	6	8	11	10	5	4	5P	9	11	9995c	12	10	10	11	5	3	3	8	6	4	2	0	-1	-1	12
11	-1	-1	-1	-1	0	-1	0	0P	1	1	9995c	8	11	27	33	26	14	8	8	9	10	6	3	3	-1	33
12	3	2	2	3	3	9978p	9978p	7P	8	4	9995c	4	3	4	4	2	3	4	1	0	4	6	3	2	0	8
13	2	2	2	1	0	0	0	0P	2	3	9995c	5	3	8	8	3	2	2	5	6	2	5	1	0	0	8
14	0	1	2	4	3	3	3	2P	8	8	9995c	7	5	9995c	6	7	7	3	1	1	1	1	0	0	0	8
15	0	0	0	1	1	4	7	8P	13	13	9995c	12	11	12	13	8	6	6	7	7	7	4	6	7	0	13
16	7	7	6	6	8	7	6	6P	7	6	9995c	9	6	4	3	0	0	0	0	-1	-1	0	1	2	-1	9
17	2	1	0	-1	-1	0	1	2P	9	14	9995c	13	8	10	13	10	5	4	3	2	1	3	4	7	-1	14
18	4	2	3	2	1	0	0	0P	1	4	9995c	8	11	12	10	11	8	6	2	0	0	0	1	2	0	12
19	3	1	1	1	0	0	0	-1P	0	0	9995c	1	0	0	0	0	1	2	0	0	-1	-1	0	0	-1	3
20	0	0	0	0	1	0	-1	-1P	1	1	9995c	5	4	7	10	10	8	7	6	5	4	3	0	0	-1	10
21	0	1	2	2	2	3	4	5P	5	4	9995c	5	7	9995c	5	6	6	5	3	2	2	1	0	0	0	7
22	0	0	0	0	0	0	0	0P	1	1	9995c	3	3	6	9	9	15	13	8	4	3	2	1	1	0	15
23	0	0	0	0	0	0	0	0P	2	6	9995c	7	8	7	3	3	4	0	0	1	1	1	1	2	0	8
24	1	0	1	1	1	1	1	2P	2	7	9995c	23	14	0	0	-1	-1	-1	-1	0	-1	-1	0	0	-1	23
25	0	0	0	0	0	-1	-1	0P	0	1	9995c	9	10	5	4	0	1	2	3	2	1	0	-1	-1	-1	10
26	-1	-1	-1	-1	-1	-1	-1	-1P	1	1	9995c	2	1	0	0	0	0	0	0	0	-1	-1	0	-1	-1	2
27	-1	-1	0	1	5	6	2	1P	2	3	9995c	20	18	24	16	10	12	12	8	5	5	9	11	21	-1	24
28	17	12	11	16	15	14	18	13P	13	14	9995c	15	12	9995c	7	2	1	0	2	2	3	2	2	3	0	18
29	3	1	2	2	2	3	5	4P	6	8	9995c	7	8	7	6	6	5	5	3	2	1	2	1	1	1	8
30	2	3	4	4	4	4	7	8P	17	14	9995c	14	12	11	16	19	16	10	3	4	3	3	2	2	2	19
31	2	1	1	1	1	0	0	1P	4	9978p															0	4

Flags: 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: Oct 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	81	74	66	80	79	83	75	82P	191	191	184	185	216	218	204	178	116	270	39	76	57	74	80	108
02	112	102	67	91	86	80	75	70P	349	252	241	259	257	263	262	265	276	275	327	288	350	54	66	63
03	73	77	77	78	75	76	80	105P	160	209	200	216	230	265	285	333	7	7	25	52	61	65	90	106
04	110	85	90	94	86	82	73	79P	216	237	246	249	261	259	259	259	263	282	37	45	79	56	61	85
05	87	79	77	93	108	84	80	96P	316	307	275	279	288	282	292	296	285	266	9	60	50	56	64	51
06	76	53	77	80	77	82	82	86P	155	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p
07	9978p	9978p	9978p	9978p	9978p	9978p	9978p	68	342	274	247	245	243	274	257	259	239	277	21	44	38	52	29	30
08	48	38	50	56	75	76	83	76P	193	234	9978p	9978p	9978p	9978p	9978p	9978p	272	218	99	83	77	85	78	71
09	69	69	59	56	77	79	72	84P	178	213	253	265	249	250	249	243	271	322	12	74	85	89	77	83
10	78	73	68	78	66	66	70	79P	280	268	254	250	253	226	243	264	262	291	5	45	33	79	57	72
11	82	86	89	87	85	81	72	70P	11	325	294	292	283	271	287	265	248	41	35	55	74	76	92	92
12	85	86	81	77	9978p	9978p	9978p	79P	152	180	201	214	218	252	267	256	244	214	73	82	138	7	72	51
13	70	75	75	74	83	73	82	71P	343	293	289	274	268	269	255	113	60	16	52	53	50	62	74	80
14	82	75	71	76	80	79	75	76P	155	251	272	271	278	277	277	295	247	124	71	77	80	85	82	84
15	75	75	70	68	84	70	77	61P	302	295	275	285	277	288	318	336	322	1	29	31	47	58	67	55
16	61	71	65	79	79	71	81	76P	170	221	223	220	205	216	195	197	193	212	16	73	75	87	98	109
17	98	67	63	69	79	59	68	61P	340	302	283	303	293	304	314	337	54	82	94	103	94	104	101	98
18	77	74	62	46	59	76	83	93P	147	210	236	244	249	270	266	285	307	310	77	101	99	102	105	102
19	107	80	60	47	57	49	79	72P	293	316	301	282	264	264	221	207	233	145	27	68	87	89	75	88
20	78	75	70	59	74	55	67	87P	279	290	277	274	283	303	282	312	313	320	358	44	42	66	67	74
21	76	68	57	59	73	74	77	76P	210	201	211	269	279	296	303	326	286	215	49	87	78	108	86	78
22	73	72	71	62	56	86	85	93P	250	143	263	289	287	276	263	322	324	0	27	69	67	77	74	74
23	79	81	80	81	73	79	72	82P	185	247	275	269	281	263	255	334	299	161	129	91	81	77	83	79
24	105	65	77	77	85	77	79	97P	159	224	254	261	289	306	312	318	331	6	53	62	55	43	71	51
25	70	77	43	22	115	42	36	31P	14	351	313	322	311	309	328	304	353	30	35	32	47	66	60	68
26	81	77	69	80	72	73	55	52P	331	298	276	279	275	278	282	287	290	287	338	28	49	67	70	76
27	78	79	76	80	76	72	76	86P	149	177	221	252	259	265	249	265	272	317	13	49	54	68	63	53
28	74	76	59	76	55	64	59	119P	138	191	209	229	279	292	295	313	289	171	28	99	81	91	102	102
29	86	77	65	63	80	58	72	86P	188	233	263	234	255	254	251	261	281	298	38	47	45	70	72	71
30	77	89	81	80	80	72	68	61P	313	270	258	243	287	285	279	261	244	141	63	71	61	74	68	65
31	73	69	70	102	77	74	76	102P	171	9978p														

Flags:

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

Monthly Ave: 146

Wind Speed (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: WS (MPH) Wind Speed
Month/Year: Oct 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	2.4	2.5	2.8	3.4	4.6	4.2	4.4P	2.3	3.9	5.1	5.7	6.3	4.7	4.6	3.3	1.7	2.8	0.2	1.0	2.0	1.3	1.8	2.7	0.2	6.3	
02	3.5	4.4	5.3	8.0	6.0	6.0	5.4	3.5P	0.6	3.6	4.7	4.2	5.6	5.5	5.3	4.6	4.6	3.7	1.2	1.6	0.3	1.1	2.8	3.9	0.3	8.0	
03	4.4	5.0	4.5	5.3	4.8	6.8	5.8	4.4P	4.5	4.9	4.4	5.1	5.2	5.6	4.2	2.6	2.6	1.7	1.9	2.8	2.4	2.5	4.2	4.0	1.7	6.8	
04	2.8	4.3	5.2	4.6	5.1	5.0	4.3	3.1P	1.6	3.3	4.5	5.3	5.4	4.6	3.8	2.6	1.9	2.3	1.2	0.9	2.1	2.7	3.4	3.4	0.9	5.4	
05	4.2	3.0	2.3	4.1	2.7	3.5	3.4	2.7P	2.2	3.8	3.9	5.3	4.8	4.4	3.5	3.3	2.5	3.0	0.8	1.8	2.1	1.7	2.0	3.7	0.8	5.3	
06	6.8	5.0	4.9	4.6	4.8	6.9	5.7	3.8P	2.9	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2.9	6.9	
07	9978p	9978p	9978p	9978p	9978p	9978p	3.4	2.0	2.9	3.7	3.9	3.4	3.0	3.7	2.4	1.8	1.5	0.1	0.1	0.2	0.7	0.4	0.2	0.5	0.1	3.9	
08	2.2	2.7	3.2	3.4	4.1	3.7	4.6	1.8P	0.3	1.6	9978p	9978p	9978p	9978p	9978p	0.5	0.1	0.1	0.1	0.2	2.2	4.1	3.4	3.5	0.1	4.6	
09	4.6	5.5	5.6	5.4	4.7	4.9	4.4	2.3P	1.7	2.2	3.6	4.4	5.2	3.3	2.0	1.1	2.5	0.8	0.1	0.3	3.1	4.4	2.9	3.5	0.1	5.6	
10	3.4	3.3	3.5	3.7	2.5	3.6	4.2	3.3P	1.8	1.9	2.0	2.5	5.2	4.2	4.3	3.1	1.8	0.3	0.1	0.4	0.5	1.1	0.3	2.3	0.1	5.2	
11	3.4	3.2	4.4	2.9	3.5	4.1	2.9	1.5P	1.1	2.8	4.8	5.8	4.4	5.5	3.8	3.1	1.3	0.1	0.5	2.6	4.0	3.5	5.7	6.1	0.1	6.1	
12	5.5	5.3	4.6	4.3	9978p	9978p	9978p	3.4P	0.5	1.4	1.2	2.9	3.9	4.6	4.7	3.1	2.2	0.4	2.6	2.4	0.5	0.4	1.5	1.9	0.4	5.5	
13	3.8	4.3	2.2	2.2	4.9	3.4	5.6	2.9P	0.9	3.4	4.1	5.4	5.5	5.7	3.1	0.9	1.1	0.1	1.2	1.3	1.7	2.5	3.4	4.1	0.1	5.7	
14	4.7	3.8	3.3	5.6	5.8	5.6	4.8	2.6P	0.3	2.4	3.7	3.8	5.2	6.3	5.5	3.2	2.7	1.3	1.3	1.7	4.4	3.4	2.8	3.2	0.3	6.3	
15	2.0	3.0	2.9	3.3	3.8	4.3	5.7	2.8P	1.4	0.9	3.5	5.2	5.0	3.7	2.1	1.1	1.3	0.7	0.3	0.3	1.5	2.0	3.5	3.1	0.3	5.7	
16	2.3	3.1	4.5	4.4	4.3	3.1	4.6	2.9P	0.3	0.3	1.5	3.5	3.6	3.4	3.0	3.0	1.3	0.1	0.1	0.1	1.3	2.6	1.3	1.9	0.1	4.6	
17	3.0	0.6	1.2	2.0	3.2	3.2	3.6	1.7P	0.6	2.4	4.3	3.6	3.8	3.2	2.6	0.9	1.4	1.7	3.2	4.2	5.8	5.3	4.7	3.3	0.6	5.8	
18	1.8	0.9	2.7	1.4	1.0	4.2	2.8	2.8P	0.2	2.8	3.6	3.7	4.1	5.0	4.3	3.3	2.1	0.3	0.7	1.5	2.3	3.4	3.3	4.0	0.2	5.0	
19	2.2	1.8	2.2	1.4	3.5	1.3	4.3	3.4P	1.6	2.2	4.3	5.6	5.3	4.4	2.7	1.0	0.1	0.1	0.3	0.3	0.5	0.1	0.9	2.8	0.1	5.6	
20	1.7	0.3	0.5	0.2	0.8	1.2	1.3	2.5P	0.2	1.1	3.8	4.6	4.0	4.2	3.5	2.4	3.0	1.9	0.5	0.5	0.8	2.5	2.6	3.8	0.2	4.6	
21	4.0	4.7	5.8	5.2	8.6	8.1	7.4	4.8P	0.2	2.4	2.8	2.6	5.4	4.5	2.6	1.6	2.3	0.1	0.1	4.4	4.9	2.4	4.0	2.3	0.1	8.6	
22	2.8	4.3	3.9	4.1	3.8	4.8	5.1	4.5P	0.9	1.5	3.7	4.4	4.8	3.6	1.8	0.3	0.8	0.8	1.2	2.2	0.5	3.3	1.9	1.5	0.3	5.1	
23	3.0	3.9	4.1	3.9	3.5	4.2	3.4	3.0P	0.2	1.1	3.6	3.7	4.4	3.7	1.0	0.3	0.3	0.1	0.1	3.1	1.3	1.1	2.6	1.8	0.1	4.4	
24	2.9	2.3	4.2	4.1	5.9	4.7	5.1	2.9P	0.8	2.0	2.3	4.7	4.4	4.4	3.0	3.1	0.7	0.6	0.4	0.6	1.6	0.1	3.4	1.8	0.1	5.9	
25	1.8	1.8	2.1	3.5	2.2	1.2	2.2	1.9P	1.0	1.4	3.4	3.1	4.5	5.6	3.6	3.3	1.2	0.5	0.2	1.8	1.3	3.6	3.3	3.9	0.2	5.6	
26	5.3	5.4	5.0	3.9	2.4	1.9	1.6	0.7P	0.6	1.2	3.7	3.6	4.7	4.4	5.3	4.6	3.3	4.1	0.8	0.2	0.1	1.6	3.1	4.7	0.1	5.4	
27	5.0	3.4	5.1	4.4	5.1	6.3	3.0	2.1P	0.4	1.3	2.2	2.7	3.8	2.8	1.4	1.8	1.8	0.6	0.1	0.2	0.8	1.6	1.5	3.4	0.1	6.3	
28	2.8	4.5	3.1	4.8	3.7	5.0	5.7	1.4P	3.1	2.9	3.8	1.9	4.2	5.3	4.6	3.7	1.6	2.0	0.6	3.6	2.3	3.8	2.5	3.9	0.6	5.7	
29	2.6	2.7	3.0	3.0	4.7	3.5	4.7	3.9P	2.5	3.5	3.8	4.6	4.4	5.2	3.3	3.1	3.0	1.9	0.8	1.3	1.9	1.7	2.4	1.6	0.8	5.2	
30	4.1	5.5	4.6	4.8	4.7	4.1	4.8	3.2P	2.8	3.7	3.3	3.8	3.8	4.3	2.6	3.0	1.5	0.6	1.5	2.3	2.3	2.9	2.7	2.3	0.6	5.5	
31	2.5	2.0	2.9	3.5	3.4	4.6	5.0	4.2P	2.9	9978p																2.0	5.0

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

Monthly: 3.0 Ave 8.6 Max
0.1 Min

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: Oct 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	16	27	18	24	21	22	24	24	32	36	44	46	22	16	6	5	5	3	5	20	13	20	15	22	3	46
02	21	21	22	24	15	10	7	21	13	24	43	29	14	8	5	8	8	9	10	8	18	31	41	36	5	43
03	34	41	56	38	33	28	30	25	24	22	21	13	17	-1	1	6	10	6	2	4	5	8	8	3	-1	56
04	5	6	6	8	9	6	4	10	14	14	13	9	3	0	-1	0	2	3	7	7	5	22	26	16	-1	26
05	15	14	11	18	14	14	18	24	6	21	14	10	3	3	1	-1	-1	1	1	2	6	9	7	9	-1	24
06	10	8	9	12	12	10	11	10	8	6	6	7	5	0	0	2	-1	-1	-2	0	4	4	6	9	-2	12
07	10	9	13	13	13	28	23	14	19	17	14	11	6	29	0	0	1	2	3	3	-1	-2	3	5	-2	29
08	2	0	0	3	5	9	18	7	6	7	35	14	7	-2	-7	-6	-1	-1	-1	1	-1	0	5	8	-7	35
09	23	35	41	20	27	35	43	57	105	77	6	10	10	3	3	1	-1	0	1	1	6	9	4	4	-1	105
10	9	9	8	9	12	19	20	18	15	21	8	7	10	11	7	4	4	5	34	24	5	9	17	12	4	34
11	10	7	10	13	10	5	6	17	9	9	13	15	8	3	3	3	2	4	4	6	25	20	13	10	2	25
12	7	7	7	9	10	17	9	8	7	7	5	30	19	7	4	-1	1	1	-1	3	18	41	35	18	-1	41
13	5	8	12	13	13	10	21	42	34	20	3	0	-2	-1	-1	-1	0	1	1	-1	0	0	-1	-1	-2	42
14	3	7	22	24	10	7	5	11	10	5	4	3	0	1	4	1	0	2	0	0	3	10	19	17	0	24
15	11	9	22	11	10	7	6	8	10	7	1	-1	0P	0P	0P	-2	0P	-1	1	0	6	12	11	8	-2	22
16	6	5	7	22	2	6	25	10	12	13	9	6	25	15	12	8	17	12	19	31	6	17	10	9	2	31
17	11	11	3	0	5	17	16	14	16	3	8	17	6	3	3	6	6	9	9	5	10	12	24	19	0	24
18	17	8	5	4	6	19	4	2	2	17	4	18	24	8	9	11	10	8	7	19	3	4	5	7	2	24
19	25	18	8	6	4	5	7	17	26	32	18	-1	2	5	4	8	19	7	35	20	6	3	2	6	-1	35
20	4	18	14	10	8	7	3	4	4	4	24	33	5	3	4	4	1	-3	-3	-2	-1	2	18	41	-3	41
21	28	7	3	-1	-2	-2	-2	-1	3	4	20	40	5	3	-1	-4	-4	-2	-3	-5	-3	1	35	42	-5	42
22	27	21	8	10	29	16	23	16	14	23	27	14	9	5	9	10	8	11	17	19	15	14	15	27	5	29
23	49	36	16	13	14	17	17	17	21	26	14	11	9	8	8	4	1	-1	5	45	29	54	42	24	-1	54
24	23	26	18	42	51	30	22	32	22	22	14	20	5	2	-2	-1	-1	-1	-1	0	3	6	12	18	-2	51
25	11	10	22	21	34	13	45	50	39	38	14	16	14	38	30	39	35	5	3	2	18	7	10	13	2	50
26	11	11	26	22	15	12	10	12	42	31	57	19	10	6	-1	-1	1	-1	-4	-6	-3	-2	-1	6	-6	57
27	17	12	24	19	29	26	28	38	42	15	14	7	5	6	7	9	3	-2	-4	-2	-1	-2	1	8	-4	42
28	17	32	40	52	21	22	9	24	39	33	37	38	56	36	1	0	1	1	3	3	2	2	3	10	0	56
29	34	17	21	25	31	27	30	36	27	42	39	37	23	11	16	27	16	9	11	11	8	17	17	34	8	42
30	18	13	13	12	12	16	16	16	15	12	10	20	18	5	6	8	8	6	3	4	6	6	8	13	3	20
31	13	18	3	6	9	13	13	8	19	8	42	20	14	32	37	29	19	27	22	24	26	31	26	24	3	42

Flags: P = Power Failure - Valid Hour

Monthly: 13 Ave -7 Min 105 Max

Monthly Matrix SO2 (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Oct 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	52	47	67	61	63	65	114	175P	232	492	457	178	9995C	6	8	3	3	7	16C	9995C	67C	77	54	85	3	492	
02	106	146	140	119	104	71	178	113P	126	101	77	27	9995C	3	2	1	1	3	15	44	72	93	67	60	1	178	
03	166	240	192	170	187	185	188	183P	131	135	91	96	9995C	11	39	28	23	12	36	49	51	19	36	34	11	240	
04	42	40	56	60	47	35	144	243P	211	53	45	19	9995C	4	2	6	17	37	14	47	183	194	129	110	2	243	
05	160	101	187	139	112	147	278	106P	115	74	14	3	9995C	1	1	0	0	1	3	11	17	34	73	103	0	278	
06	77	85	157	114	149	160	156	137P	60	43	37	22	9995C	4	2	0	0	1	16	83	81	57	90	80	0	160	
07	100	185	133	176	405	297	205	206P	142	63	35	13	9995C	1	1C	0C	0	0	1	1	1	7	8	16	0	405	
08	29	41	59	61	99	166	86	52P	124	98	48	16	9995C	2	1	0	0	0	0	0	0	15	16	172	0	172	
09	351	422	157	132	284	589	788	993P	980	185	57	14	9995C	3	2	1	1	2	3	48	84	82	148	173	1	993	
10	103	117	120	76	64	58	53	48P	60	38	11	10	9995C	4	1	0	11	89	335	141	111	108	95	107	0	335	
11	104	105	48	54	31	35	56	145P	115	48	13	2	9995C	1	0	0	0	0	5	44	49	141	72	50	0	145	
12	77	63	72	105	153	110	82	91P	51	42	79	37	9995C	2	1	1	0	0	0	7	111	94	60	63	0	153	
13	73	94	87	57	50	122	294	216P	9979d	9979d	4	2	9995C	1	1	0	0	0	0	0	0	0	0	1	0	294	
14	17	42	56	42	6	32	68	59P	3	3	1	0	9995C	1	0C	0C	0	0	0	0	0	8	31	37	39	0	68
15	19	59	28	10	11	11	17	10P	15	2	0	0P	67P	9978p	9978p	9979d	9978p	9979d	7D	35	43	37	21	23	0	67	
16	25	36	63	27	106	188	86	72P	87	37	32	73	9995C	26	5	14	22	41	262	90	57	54	69	178	5	262	
17	111	27	29	75	62	88	131	65P	81	35	43	26	9995C	20	41	50	76	24	45	167	168	285	287	280	20	287	
18	155	42	19	52	197	30	9	25P	241	33	41	47	9995C	6	2	5	14	14	17	4	24	61	59	300	2	300	
19	121	48	17	24	63	79	76	79P	118	66	5	5	9995C	12	9	49	25	324	224	100	18	55	145	28	5	324	
20	64	89	126	109	78	33	124	22P	80	45	92	12	9995C	4	2	1	0	0	0	2	5	165	429	276	0	429	
21	72	13	5	3	5	4	4	7P	21	45	80	15	9995C	2	1C	0C	0	0	0	0	3	73	88	51	0	88	
22	41	13	39	68	31	49	41	53P	57	79	47	7	9995C	23	18	12	20	17	16	18	34	64	232	500	7	500	
23	448	265	184	241	269	269	310	296P	297	124	20	17	9995C	3	1	3	3	21	93	77	122	109	102	179	1	448	
24	229	197	367	374	236	233	228	156P	97	65P	32	4	9995C	2	1	1	1	0	0	0	4	11	20	14	0	374	
25	21	45	50	55	23	65	81	190P	206	61	83	65	9995C	54	77	58	16	5	3	2	3	22	26	20	2	206	
26	36	58	80	87	51	38	54	109P	114	137	54	32	9995C	2	1	0	0	0	0	0	0	1	12	28	0	137	
27	31	49	60	79	75	84	156	250P	136	48	19	22	9995C	11	15	2	1	0	0	0	0	5	13	12	0	250	
28	43	54	58	38	34	17	33	54P	47	45D	9979d	9979d	9995C	9	5C	2C	1	0	0	0	0	0	3	25	0	58	
29	14	25	38	63	70	107	111	143P	233	204	139	54	9995C	32	56	31	5	5	5	5	9	74	286	183	5	286	
30	152	118	116	93	105	102	101	83P	38	66	66	33	9995C	3	3	3	2	1	1	2	5	21	63	42	1	152	
31	43	31	33	36	43	35	30	50P	58	119	65	36	9995C	79	59	39	44	31	32	21	36	66	42	41	21	119	

Flags: Monthly: 71 Ave 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)

Wind Direction (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: WD (DEG) Wind Direction
Month/Year: Oct 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	310	325	320	330	317	315	315	242P	171	181	160	119	116	135	140	176	247	273	248	261	262	293	260	319
02	320	280	272	323	323	313	288	194P	112	172	117	108	97	104	103	109	97	226	269	289	288	317	319	325
03	311	319	324	322	326	323	296	263P	204	227	174	106	116	117	120	102	102	195	237	157	113	192	244	253
04	290	320	318	306	250	312	292	98P	97	110	101	105	106	110	98	101	99	103	172	254	220	281	252	288
05	289	284	159	258	281	325	320	133P	110	114	102	99	105	123	139	124	170	262	271	284	318	310	316	314
06	310	314	299	290	313	282	303	224P	121	109	101	105	102	100	99	102	113	94	81	231	259	301	278	287
07	310	263	230	209	306	267	308	214P	101	104	116	121	131	135	121	101	89	73	295	333	318	323	323	320
08	331	330	317	316	315	318	326	216P	184	123	114	111	118	110	101	101	111	125	207	280	312	286	314	320
09	321	312	305	309	313	325	324	261P	103	121	128	106	106	112	123	117	177	198	308	332	326	293	317	316
10	313	323	310	309	290	269	264	83P	68	91	101	103	104	102	111	103	107	112	241	261	198	202	111	163
11	271	314	303	278	214	204	209	101P	131	111	109	113	110	114	110	109	101	98	86	189	306	296	273	261
12	288	317	319	310	270	159	299	319P	275	86	117	100	94	99	101	108	114	100	108	158	253	273	322	322
13	321	318	319	318	321	320	311	172P	88	104	115	114	120	119	119	119	125	122	102	172	314	323	333	273
14	333	257	234	116	232	150	304	70P	68	120	104	107	106	115	128	119	102	76	51	200	230	151	233	110
15	121	302	318	290	237	195	211	163P	124	85	86	95P	86P	205P	145P	205	187P	208	224B	204	284	181	315	112
16	97	209	297	236	262	325	284	276P	189	234	176	121	104	108	207	233	105	155	76	194	229	207	209	215
17	76	72	132	163	115	170	135	152P	84	98	100	100	94	84	89	96	102	81	90	147	208	191	146	116
18	76	84	115	183	129	106	129	87P	64	96	100	104	101	103	109	98	82	63	84	141	165	132	125	101
19	80	65	100	133	89	247	292	196P	177	101	98	85	101	155	94	82	73	86	61	59	64	187	97	80
20	167	132	106	129	241	180	136	71P	104	98	93	103	100	98	95	95	240	258	282	287	265	235	325	313
21	305	310	323	307	300	310	307	261P	164	114	98	114	86	104	117	107	160	55	93	65	216	203	254	128
22	129	73	147	207	274	267	292	273P	235	166	113	100	148	120	137	121	208	264	264	315	318	307	301	274
23	265	280	278	289	304	310	295	254P	174	96	104	102	103	108	121	115	101	203	159	174	128	229	311	302
24	329	278	316	319	315	323	324	299P	185	171P	109	108	112	108	102	149	319	320	315	306	315	323	322	329
25	323	313	326	331	308	327	315	312P	319	303	232	292	137	99	134	136	106	243	331	259	325	305	299	305
26	313	323	318	331	308	323	317	284P	65	113	113	128	123	125	101	116	95	104	276	321	260	321	320	322
27	320	322	320	322	319	324	322	166P	132	92	104	111	107	106	89	98	163	250	318	323	330	321	314	327
28	323	245	275	329	288	324	237	317P	256	105	122	125	130	127	112	111	137	130	305	309	284	322	314	316
29	295	309	302	300	303	326	326	241P	180	184	211	169	113	104	109	191	166	214	232	266	282	282	312	290
30	292	304	319	325	307	316	323	286P	247	174	144	116	137	152	160	141	206	235	297	307	294	171	63	126
31	99	149	236	274	252	301	259	253P	199	242	103	108	116	162	104	114	218	261	263	270	278	306	329	320

Flags: B = Bad Condition - Valid Hour
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: Oct 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	2.6	3.1	2.8	3.2	1.9	2.3	3.2	1.2P	1.4	3.2	4.8	7.4	9.2	7.6	6.2	5.3	5.5	4.1	2.7	3.6	3.4	2.8	3.5	4.1	1.2	9.2
02	4.3	4.6	4.4	5.2	6.4	6.1	4.2	5.3P	3.2	4.1	7.1	9.3	6.7	6.9	5.9	6.3	3.5	2.5	1.7	1.9	2.5	3.5	3.4	4.9	1.7	9.3
03	5.2	4.6	5.3	5.1	5.4	5.9	4.5	3.6P	3.5	3.2	6.3	8.9	6.6	7.5	6.4	6.6	5.5	3.1	2.6	3.3	2.8	2.4	3.1	2.4	2.4	8.9
04	2.9	4.7	4.3	3.5	3.6	2.8	4.2	4.9P	5.9	6.9	8.6	10.0	9.2	6.8	5.1	4.9	6.5	6.2	2.6	4.4	3.8	4.9	3.8	3.3	2.6	10.0
05	4.1	4.7	4.1	3.8	3.7	6.3	4.6	2.3P	5.6	7.1	7.7	7.8	7.2	7.1	4.8	4.2	3.4	3.4	3.2	3.2	4.2	4.2	4.4	4.2	2.3	7.8
06	4.1	4.7	5.0	3.5	4.9	4.5	3.7	2.8P	5.4	9.7	8.9	9.3	8.9	7.9	6.6	4.7	5.2	4.5	3.6	2.4	3.5	3.8	4.3	5.2	2.4	9.7
07	4.5	5.4	6.2	4.2	4.9	5.2	4.5	2.7P	3.2	5.8	6.7	7.3	6.6	7.3	7.4	6.0	3.7	2.7	4.0	4.8	4.5	5.1	5.8	5.2	2.3	7.4
08	5.0	5.5	4.6	4.6	4.4	4.7	5.4	2.7P	2.2	4.7	7.6	7.4	8.6	7.9	5.6	4.4	3.6	2.7	1.5	2.5	3.8	4.8	4.1	5.5	1.5	8.6
09	5.7	4.4	4.2	4.3	5.7	7.1	6.7	3.4P	1.6	4.3	6.1	8.0	9.2	8.6	6.4	5.5	2.9	2.4	3.3	4.7	5.4	3.7	4.3	4.4	1.6	9.2
10	4.4	5.0	3.8	3.6	2.2	2.3	2.7	2.5P	3.2	4.2	6.7	8.4	9.0	8.3	6.5	6.5	5.5	4.0	2.7	3.7	2.4	3.5	3.3	2.4	2.2	9.0
11	3.3	4.1	5.7	5.3	3.1	3.6	4.3	3.9P	5.1	8.6	9.1	6.8	7.7	8.2	6.5	7.0	7.3	4.7	3.6	1.9	3.7	4.0	4.6	5.3	1.9	9.1
12	4.5	5.0	4.9	5.0	4.8	3.7	3.2	3.7P	2.2	1.7	5.3	5.8	4.8	4.6	5.1	4.5	5.8	6.6	3.5	2.6	2.0	3.1	3.9	5.1	1.7	6.6
13	5.5	5.3	5.6	5.0	5.7	5.2	4.5	3.1P	3.2	5.4	7.0	8.1	7.3	7.0	5.5	4.3	5.0	3.9	2.9	2.7	3.9	4.0	4.8	4.3	2.7	8.1
14	5.2	5.5	5.3	4.9	6.0	3.7	4.3	3.6P	4.0	4.5	9.4	9.3	8.0	7.3	5.5	4.8	4.2	2.1	3.3	3.5	3.8	3.8	3.0	3.2	2.1	9.4
15	3.4	5.8	4.6	3.0	2.3	3.1	2.7	3.6P	3.1	3.8	3.6	3.9P	3.5P	3.5P	3.2P	3.1	4.6P	3.3	3.1B	4.3	5.4	4.1	3.7	3.5	2.3	5.8
16	3.7	5.0	5.1	4.4	4.8	4.9	3.8	4.0P	3.1	3.5	4.8	5.0	10.0	6.8	3.4	4.8	3.2	2.7	6.1	4.1	2.9	3.0	2.9	2.3	2.3	10.0
17	4.3	3.9	5.0	3.4	4.8	6.5	4.3	4.0P	6.7	9.5	9.9	9.9	8.5	6.9	6.2	7.9	7.5	5.7	3.7	3.6	3.4	2.7	3.3	8.9	2.7	9.9
18	4.8	2.7	2.8	3.5	6.3	6.2	5.3	5.0P	5.7	7.3	7.7	10.5	9.6	7.0	6.5	6.8	6.1	5.1	3.8	3.8	2.5	3.5	5.3	4.7	2.5	10.5
19	3.0	4.0	4.5	4.4	3.3	2.7	3.1	1.4P	2.5	8.0	6.1	4.4	2.6	3.4	6.0	4.6	5.7	5.0	4.6	5.9	4.0	4.2	4.8	4.5	1.4	8.0
20	4.5	3.8	5.0	5.2	5.3	7.2	4.6	4.4P	6.1	7.7	4.6	7.3	7.0	6.4	4.7	3.2	4.0	3.5	3.1	2.1	3.4	5.1	6.3	6.7	2.1	7.7
21	6.8	6.1	6.1	4.3	4.3	4.4	4.2	2.6P	2.2	5.3	4.0	4.5	3.6	5.4	6.0	4.2	3.4	3.7	3.0	2.5	4.1	4.6	4.1	2.7	2.2	6.8
22	3.8	4.9	4.3	4.2	3.4	3.3	3.4	3.9P	3.3	2.4	5.5	6.3	4.5	6.2	3.6	5.6	4.7	4.1	3.5	3.5	4.6	4.6	5.7	6.4	2.4	6.4
23	5.5	4.5	3.6	4.3	4.0	4.0	3.7	3.4P	2.2	4.8	9.5	8.8	7.1	6.1	5.7	6.3	4.9	2.5	2.4	2.2	3.0	2.4	3.4	3.7	2.2	9.5
24	5.5	5.7	5.1	5.0	4.6	5.5	5.4	2.9P	2.2	3.4P	7.4	7.3	7.8	5.8	3.4	2.5	3.7	4.4	3.4	3.2	2.9	4.0	4.5	4.1	2.2	7.8
25	4.3	3.9	5.1	4.7	4.5	5.1	4.6	4.5P	5.5	5.0	4.0	3.3	2.3	3.6	2.5	3.6	3.3	0.7	1.7	2.9	4.1	4.0	3.1	4.0	0.7	5.5
26	4.5	5.7	5.4	5.9	5.1	5.5	5.1	3.0P	2.8	5.5	4.7	6.9	6.3	6.1	4.9	3.5	2.2	2.6	2.3	2.5	3.3	3.7	4.4	4.6	2.2	6.9
27	4.9	4.6	4.1	4.7	5.7	5.6	6.2	1.9P	2.1	1.9	4.7	7.3	6.7	5.4	3.3	2.9	2.1	3.2	2.8	3.0	3.5	3.7	3.3	4.6	1.9	7.3
28	4.6	3.5	3.6	4.6	4.4	3.9	3.4	4.3P	4.2	2.0	3.2	3.9	4.1	6.3	5.8	4.9	4.4	2.2	2.6	3.1	3.2	2.9	2.7	3.8	2.0	6.3
29	3.7	3.3	3.2	3.0	3.4	5.0	4.9	2.2P	3.0	4.8	6.0	5.0	8.5	9.8	8.8	5.6	3.8	1.8	2.2	3.6	4.2	4.9	4.0	3.8	1.8	9.8
30	3.8	4.0	4.6	5.2	3.9	4.7	4.8	2.2P	1.5	3.7	5.5	6.9	6.1	4.1	2.5	4.0	3.4	2.8	2.8	3.0	2.1	1.8	3.2	3.6	1.5	6.9
31	2.7	2.5	2.3	2.3	2.5	2.4	2.7	2.0P	3.2	2.9	3.5	7.3	5.8	4.5	5.9	6.1	2.7	3.2	2.1	2.4	3.5	4.4	5.2	4.6	2.0	7.3

Flags:

B = Bad Condition - Valid Hour
P = Power Failure - Valid Hour

Monthly: 4.6 Ave 0.7 Min 10.5 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: Oct 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	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	0	0
02	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	0	0
03	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	0	0
04	0P	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	0	0
05	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	0	0
06	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	0	0
07	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	0	0
08	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	0	0
09	5	7	7	9	10	6	4	7	8	8	6	3	1	0	1	4	4	6	3	-1	0	2	1	1	3	-3	6
10	2	3	5	3	4	5	2	1	2	3	2	6	5	-1	3	6	7	3	-2	1	3	3	3	6	5	-2	10
11	5	5	6	6	6	9	8	3	1	1	5	4	3	5	5	8	9	6	6	3	4	6	7	7	7	-1	8
12	7	5	3	4	5	5	6	4	4	3	5	8	7	5	6	3	4	6	7	5	4	7	10	5	5	1	10
13	6	7	4	1	3	5	4	24	68	154	9	7	6	7	5	4	5	4	3	2	3	4	5	4	2	2	8
14	158	178	24	13	33	42	17	65	70	7	8	8	7	8	8	8	8	6	4	2	4	4	5	13	48	1	154
15	4	6	8	6	3	7	25	7	11	13	8	3	2	4	4	4	6	5	5	8	5	3	3	4	2	2	178
16	5	5	6	5	6	5	3	3	5	6	6	5	5	5	5	3	3	4	4	3	3	4	4	4	4	2	25
17	4	4	0	1	3	4	5	3	3	3	3	5	4	4	3	3	6	4	4	3	3	4	6	6	3	6	6
18	5	6	5	5	6	6	6	6	5	6	7	8	8	9	10	12	13	11	7	6	6	3	3	6	6	0	7
19	7	5	2	4	5	4	4	5	6	8	7	7	5	6	8	6	4	6	8	9	9	8	8	7	5	13	8
20	5	6	5	3	3	5	4	3	5	6	6	6	6	7	7	4	3	4	3	2	2	5	3	3	3	2	8
21	35	20	15	17	12	13	21	23	53	29	9	6	4	3	0	-1	0	2	5	7	3	-1	-1	3	3	7	7
22	2	-1	1	3	4	6	7	4	3	5	4	2	5	9	8	5	3	6	6	4	8	9	7	6	6	-1	53
23	6	8	7	5	3	1	4	2	-1	2	3	5	5	5	5	3	5	6	6	7	7	6	4	2	2	-1	9
24	5	6	4	3	3	5	6	3	4	5	3	7	9	7	0P	3	2	2	3	3	3	7	7	6	0	9	8
25	8	6	3	4	7	6	5	4	4	4	2	3	5	6	9	6	1	2	3	4	4	5	8	6	1	9	9
26	5	7	6	5	5	4	5	4	3	3	4	6	6	5	4	4	6	4	3	4	3	4	5	8	3	8	8
27	57	82	119	98	105	84	45	38	53	31	28	12	9	2	-2	0	5	5	4	2	4	7	25	41	-2	119	
28	52	38	36	25	24	17	17	12	13	12	13	9	45	9979d	4	17	10	6	4	4	3	4	6	5	3	52	52
29	4	6	6	11	15	12	8	8	9	8	8	8	6	6	10	8	5	5	6	7	8	5	4	5	4	15	15
30	6	7	5	6	5	4	4	3	4	6	6	7	7	6	6	5	5	8	6	4	4	6	4	3	3	8	8
31	5	5	4	5	6	7	6	5	4	3	5	7	8	8	7	6	4	6	6	6	6	4	3	3	3	8	8

Flags: Monthly: 9 Ave -3 178
 d = Off-Line Part of Hour - Invalid Hour (9979)
 P = Power Failure - Valid Hour

Monthly Matrix SO2 (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Oct 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	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1
02	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	0	0C	9995c	9995c	0	0	-1	-1	-1	-1	0	-1	-1	-1	1
03	0	0	0	-1	-1	-1	-1	-1P	-1	9995c	0C	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	0	
04	-1P	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
05	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	
06	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
07	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	9995c	0C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	
08	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
09	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
10	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	
11	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
12	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	
13	-1	-1	-1	-1	-1	-1	-1	-1P	495	9995c	7C	2	0	0	0	0	0	0	0	0	0	8	52	321	-1	495	
14	341	54	10	56	91	55	113	151P	50	9995c	3C	9995c	1C	0	0	0	-1	0	0	0	0	0	-1	-1	-1	341	
15	-1	-1	-1	-1	41	114	16	14P	19	9995c	4C	1	0	0	0	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	114	
16	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	9978p	9995c	9979d	9979d	9979d	9979d	2D	0	0	0	0	-1	-1	-1	-1	2	
17	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	
18	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	0	-1	-1	-1	0	-1	-1	-1	0	-1	-1	-1	-1	1	
19	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
20	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	27	
21	35	25	54	44	25	22	20	32P	33	9995c	11C	9995c	2C	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	54	
22	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
23	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	0	0	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	1	
24	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	1	-1	-1	-1P	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	
25	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	0	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	
26	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	
27	63	141	104	125	108	56	50	68P	71	9995c	24C	4	1	0	0	0	0	0	-1	-1	-1	8	26	29	-1	141	
28	35	18	6	5	7	4	4	4P	5	9995c	2C	9995c	15C	9995c	9995c	9979d	1	0	0	0	-1	-1	-1	-1	-1	35	
29	-1	-1	0	0	0	1	0	0P	0	9995c	2C	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	2	
30	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	0	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	
31	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	4C	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	4	

Flags: Monthly: 4 Ave -1 Min -1 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)

Wind Direction (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: WD (DEG) Wind Direction
Month/Year: Oct 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	272	262	269	254	239	268	267	277P	187	106	79	89	76	70	85	90	128	69	165	295	183	271	228	258
02	260	254	255	245	266	256	257	255P	272	106	75	71	87	76	83	86	96	194	267	254	224	268	270	263
03	268	266	277	275	264	259	263	247P	244	220	170	166	112	88	62	59	61	219	261	225	265	274	271	262
04	232P	235	269	168	218	273	274	250P	133	71	213	158	115	114	272	239	211	274	281	273	256	256	254	258
05	263	269	256	255	252	257	259	260P	264	117	87	75	70	71	71	72	71	61	286	291	283	271	290	279
06	273	263	267	234	260	256	278	279P	234	81	74	76	87	73	70	65	67	77	300	267	250	280	266	273
07	259	267	257	262	254	251	254	243P	150	115	122	101	88	85	89	84	70	81	262	243	249	255	249	246
08	246	250	255	271	250	250	250	249P	148	83	82	87	76	88	75	65	72	61	207	274	206	277	261	264
09	275	262	264	262	263	258	259	260P	171	144	72	76	73	76	70	66	67	62	248	213	256	258	227	106
10	257	236	225	271	265	260	273	279P	287	273	149	74	76	69	64	72	92	210	214	261	270	260	271	284
11	267	261	261	257	244	224	265	268P	267	157	102	72	82	77	73	71	74	70	264	283	264	221	253	259
12	189	254	257	252	257	262	247	249P	228	201	110	74	75	79	79	75	74	78	163	264	254	259	253	243
13	247	247	247	248	247	249	249	239P	183	137	124	108	108	115	118	126	132	137	200	230	233	247	248	247
14	236	239	222	230	229	237	236	234P	208	131	149	134	133	106	113	112	114	135	165	222	244	113	248	249
15	220	228	232	262	223	268	234	248P	113	144	163	115	154	174	181	247	255	188	260	241	261	228	261	263
16	271	268	276	260	265	261	267	265P	185	262	109P	102	70	68	73	78	138	275	272	198	220	276	268	281
17	265	291	264	176	276	225	174	224P	204	166	173	195	286	250	269	186	268	275	242	175	273	215	271	275
18	269	261	249	273	270	268	269	262P	217	243	261	179	70	70	64	67	75	282	210	273	276	269	274	262
19	244	238	245	257	259	255	236	248P	115	99	88	125	229	145	189	229	261	278	271	272	148	265	234	266
20	267	274	273	284	264	261	260	258P	169	115	122	92	105	91	74	76	72	71	197	250	251	247	249	247
21	245	247	232	244	251	253	248	246P	172	114	194	84	123	114	94	89	121	120	145	249	253	256	253	270
22	262	253	282	263	278	275	270	255P	87	192	78	69	65	73	69	75	72	145	286	281	260	261	274	262
23	262	260	261	266	273	270	267	270P	172	87	79	89	90	71	70	93	69	151	219	233	266	286	267	261
24	265	255	261	259	261	260	250	256P	188	71	98	91	77	63	72P	67	65	56	278	248	246	242	248	252
25	245	250	252	250	250	249	245	249P	246	238	248	223	198	133	110	74	180	134	222	244	247	255	252	248
26	246	249	257	255	249	252	246	235P	247	206	100	90	77	85	79	88	106	108	156	240	252	250	248	250
27	247	241	247	251	263	246	254	258P	111	107	99	101	143	231	215	117	298	266	231	229	251	257	250	256
28	253	239	249	252	254	251	253	248P	224	161	104	89	80	86	106	95	86	67	62	212	296	266	262	252
29	256	251	245	252	261	281	286	270P	109	123	108	69	76	81	105	74	64	52	142	270	248	236	279	262
30	240	276	268	257	229	278	267	266P	182	147	105	70	84	66	70	84	77	107	134	74	68	64	76	71
31	114	87	157	145	227	160	183	192P	97	149	119	123	145	96	100	75	148	149	270	267	273	272	235	258

Flags:

P = Power Failure - Valid Hour

Monthly Ave: 196

Wind Speed (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: WS (MPH) Wind Speed
Month/Year: Oct 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	3.7	3.0	2.0	2.2	2.2	3.3	3.3	2.9P	3.7	3.7	5.1	5.1	5.4	5.8	5.3	5.2	5.7	3.4	2.1	1.2	3.9	1.9	2.4	1.7	1.2	5.8
02	3.1	2.4	2.0	2.0	3.4	4.0	4.6	3.6P	1.4	2.5	3.5	4.3	5.8	3.8	5.1	4.5	3.3	1.5	1.1	2.4	1.7	0.9	3.2	4.1	0.9	5.8
03	3.2	2.7	1.3	1.6	2.1	1.7	1.9	1.8P	2.7	3.3	3.7	4.5	4.1	4.4	4.3	4.8	4.8	2.7	2.2	1.4	1.5	2.0	2.1	1.9	1.3	4.8
04	1.8P	2.6	3.1	1.9	2.4	4.0	3.6	2.9P	3.9	5.1	3.8	4.8	4.4	5.3	3.3	2.6	3.0	2.3	1.2	1.8	1.3	1.8	1.6	2.2	1.2	5.3
05	2.8	2.9	3.2	3.3	3.4	4.5	4.4	4.0P	2.7	2.3	3.3	4.4	4.6	5.1	5.1	4.7	3.7	2.9	1.4	1.5	1.4	1.9	2.2	2.2	1.4	5.1
06	3.1	4.7	3.3	3.1	4.5	3.7	3.2	2.9P	2.4	3.8	3.6	4.0	4.1	4.5	3.8	4.0	3.9	2.6	1.7	2.2	2.0	2.5	3.5	2.5	1.7	4.7
07	3.4	4.4	3.8	5.7	4.6	4.3	4.8	3.8P	1.9	2.7	3.0	5.0	6.7	7.5	6.7	5.0	3.5	2.6	1.2	1.9	3.2	4.3	4.6	4.3	1.2	7.5
08	4.3	4.9	5.2	3.5	3.1	3.8	4.6	4.2P	2.5	3.1	4.8	4.8	5.4	6.0	4.1	3.8	3.7	2.9	1.2	1.3	1.3	2.3	2.4	2.9	1.2	6.0
09	2.5	2.7	3.6	3.5	4.1	4.2	5.4	3.9P	2.7	3.8	4.1	4.2	4.8	4.4	4.9	4.3	3.3	2.5	1.3	1.0	1.1	1.0	1.0	1.5	1.0	5.4
10	1.3	1.0	1.8	3.2	3.3	3.2	2.9	2.8P	3.0	2.8	2.8	4.0	4.2	5.0	4.8	5.6	2.9	2.1	3.0	2.0	1.7	1.7	1.8	1.5	1.0	5.6
11	3.1	3.3	3.8	3.1	4.0	3.7	5.0	4.4P	3.3	3.2	4.0	4.5	5.1	5.6	5.1	4.8	4.0	2.1	1.8	2.7	3.3	3.6	4.5	4.9	1.8	5.6
12	4.7	5.7	5.6	4.2	4.7	3.9	3.9	3.9P	1.6	1.9	3.5	3.8	4.2	4.5	4.5	4.0	3.7	3.0	1.6	2.0	3.2	3.8	4.3	4.2	1.6	5.7
13	4.5	4.1	3.7	3.6	4.0	3.8	4.2	4.0P	3.8	5.1	5.4	7.4	8.4	8.6	8.5	6.7	5.7	4.0	2.1	2.7	3.1	2.8	3.5	3.6	2.1	8.6
14	4.1	5.3	4.5	5.7	3.9	5.3	3.7	4.0P	4.0	4.6	5.3	4.1	6.1	8.5	8.2	6.6	7.9	4.0	1.9	1.9	3.3	3.8	2.7	2.7	1.9	8.5
15	2.4	2.9	1.8	1.0	2.2	2.5	2.4	1.9P	0.9	1.6	3.7	6.3	3.8	3.4	2.1	3.3	4.2	3.3	3.9	3.8	4.5	3.8	3.2	4.3	0.9	6.3
16	4.1	4.0	3.3	3.7	2.9	2.7	2.3	2.2P	2.4	2.7	4.0P	4.1	5.0	4.3	4.5	4.5	4.0	2.7	3.4	3.3	2.9	3.6	2.1	2.1	2.1	5.0
17	2.1	2.0	2.2	3.0	3.9	4.1	3.3	3.7P	2.9	3.4	3.5	4.2	2.8	3.0	3.2	4.3	1.8	1.4	1.9	2.3	3.3	3.8	4.2	4.0	1.4	4.3
18	3.7	2.2	2.1	2.5	3.3	3.0	3.0	2.9P	1.8	3.4	3.3	2.1	4.1	4.7	3.5	3.4	3.0	1.6	1.7	3.3	3.7	5.0	5.0	4.1	1.6	5.0
19	3.6	3.3	5.0	4.3	4.1	3.4	2.7	2.9P	1.5	2.6	2.7	4.4	3.3	3.3	2.7	3.6	4.2	3.9	4.5	3.6	2.6	4.4	4.1	3.4	1.5	5.0
20	4.0	4.2	3.9	2.6	3.7	3.3	3.9	3.6P	1.8	2.3	2.9	3.5	6.4	6.1	4.0	4.4	4.1	2.0	0.9	1.9	2.9	4.2	4.6	4.3	0.9	6.4
21	4.3	3.3	3.8	4.2	3.7	3.9	3.2	2.4P	1.6	2.3	2.5	1.5	3.3	3.9	4.8	5.4	3.2	3.2	2.6	2.5	2.0	3.5	3.3	3.0	1.5	5.4
22	2.6	2.0	1.9	1.6	1.3	1.6	2.1	1.7P	2.0	2.3	3.8	4.4	4.9	4.9	5.0	4.9	5.3	2.6	1.0	1.5	1.9	3.4	4.4	4.0	1.0	5.3
23	3.7	3.5	3.0	1.9	1.5	1.3	1.8	1.7P	3.1	4.1	4.5	4.0	4.6	4.9	4.7	4.4	4.3	2.2	2.8	1.8	2.5	2.0	1.9	2.8	1.3	4.9
24	3.5	3.3	3.0	3.4	3.1	3.2	3.1	2.6P	3.2	3.6	3.4	3.8	4.7	4.7	4.3P	4.0	3.2	2.0	1.7	2.2	2.9	2.7	3.9	4.0	1.7	4.7
25	3.2	3.4	3.3	3.5	3.3	3.7	3.6	3.7P	3.2	3.2	2.9	2.4	2.0	2.5	3.0	3.0	2.1	1.4	1.4	2.2	3.0	3.7	3.6	4.4	1.4	4.4
26	4.3	4.2	4.7	4.9	5.0	5.0	4.5	3.8P	4.2	2.4	2.9	4.3	5.5	6.6	4.5	3.5	5.0	1.8	1.2	1.6	2.7	3.2	3.6	3.6	1.2	6.6
27	3.1	3.4	3.9	4.1	4.6	3.3	4.1	3.7P	2.1	3.8	5.5	4.7	2.1	2.8	2.1	2.1	1.0	0.9	0.6	2.5	3.3	3.7	3.7	3.2	0.6	5.5
28	3.0	2.5	2.4	3.2	3.5	3.7	3.9	4.0P	4.4	2.2	4.7	4.0	5.2	5.9	6.4	4.6	3.8	2.4	2.0	1.3	0.5	1.6	2.4	3.1	0.5	6.4
29	2.7	2.5	2.2	2.4	2.6	1.4	1.6	1.4P	3.9	4.7	5.1	5.8	6.2	5.8	5.9	4.2	3.2	2.2	1.6	1.2	1.2	1.9	3.1	1.7	1.2	6.2
30	1.3	2.2	3.1	2.1	2.4	2.9	3.5	3.2P	3.4	4.8	4.5	4.9	5.0	5.1	4.6	4.9	4.7	4.0	3.4	4.1	3.2	3.3	2.9	4.7	1.3	5.1
31	3.1	3.3	1.9	2.2	2.6	2.5	2.8	2.4P	4.2	4.4	4.3	4.2	3.5	5.1	5.0	5.5	3.4	3.1	2.1	1.6	1.6	1.8	2.9	2.1	1.6	5.5

Flags: P = Power Failure - Valid Hour
Monthly: 3.4 Ave 8.6 Max
0.5 Min

Monthly Matrix SO2 (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

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

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	9995c	9995c	2	2	2	2	2	2	2	2
02	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	9978p	2	2	2	2	2	2	2	2	2
03	2	2	2	2	2	2	2	2	9995c	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	9995c	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	9995c	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	9995c	2	9978p	2	9978p	9978p	2	2	2	2	2	2	2	2	2	2	2	2
07	2	2	2	2	2	2	2	2	9995c	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	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
09	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2
10	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2
11	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2
12	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2
13	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2
14	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2	9978p	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	9995c	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	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	9978p	2	2	2	2	2	2	9995c	2	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	9978p	2	2	2	2	2	2	2	9995c	2	2	9978p	2	2	2	2	2	2	2	2	2	9978p	2	2	2	2
19	2	2	2	2	2	2	2	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	9978p	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	9995c	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	9995c	2	2	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2	2
23	9978p	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	9995c	2	2	2	9978p	2	9978p	2	9978p	2	2	2	2	2	2	2	2	2
26	9978p	2	2	2	2	2	2	2	9995c	2	2	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	2	9995c	2	2	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	9995c	9995c	9995c	9978p	2	2	2	2	9978p	2	2	9978p	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	9978p	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9995c	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9978p	9979d	9978p	9979d	9979d	2
31	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9995c	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	2

Flags: Monthly: 2 Ave 2 Min 2 Max
 b = Bad Condition - Invalid Hour (9980)
 c = Calibration - Invalid Hour (9995)
 d = Off-Line Part of Hour - Invalid Hour (9979)
 p = Power Failure - Invalid Hour (9978)

Wind Direction (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PE10
Parameter: WD (DEG) Wind Direction
Month/Year: Oct 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	321	323	329	330	326	316	329	328	336	1	20	16	18	23	13	14	4	4	17	353	339	325	331	332	
02	332	338	317	312	317	316	316	315	325	6	11	357	84	63	350	331P	328	331	327	314	326	302	309	313	
03	315	328	328	333	339	339	343	328	325	343	32	27	34	31	23	33	17	337	334	331	327	346	0	64	
04	27	14	56	29	323	316	315	329	2	7	33	70	44	38	51	46	38	20	14	350	335	328	333	326	
05	333	319	318	311	317	311	309	312	325	48	65	64	48	51	40	47	39	37	8	21	14	343	356	345	
06	310	313	311	313	328	325	318	316	329	355	38P	358	63P	73P	70	51	62	35	16	337	345	328	357	324	
07	303	305	298	283	285	296	275	285	330	88	111	106	103	104	108	100	106	70	329	259	256	260	312	308	
08	269	275	277	325	299	303	288	283	318	17	30	70	92	92	75	77	69	36	14	19	13	291P	271	338	
09	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	30P	9P	358	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
10	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	65	52	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
11	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
12	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
13	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
14	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	142P	139P	119	113	94P	95	97	55	107	134	
15	119	130	118	118	127	144P	175P	112	120	141	134	158	147	122	117	103	93	86	301	326	289	338	312	316	
16	342	348	335	322P	323P	330	332	329	340	349	6	6	21	9	16P	2	329	327	341	318	323	331	330	339	
17	335	328P	336	327	315	338	316	316	354	349	341	329P	349	344	356	46	8	329	350	332	334	318P	317	304	
18	315P	320	329	314	343	306	324	331	26	78	56	41P	56	64	66	59P	29	34	21	34	37	10	301	306	
19	296	290	299	303	317	316	317	352	328P	321	335	9	73P	96	50	59	76	9	326P	348P	328	333	334		
20	318	298P	309	307	314	300	320	297	358	3	74	98	103P	98	98	96	96	86	288	257	271	299	290	269	
21	259	260	266	266P	251	277	253	278	307	99	108	115	118	110	109	120P	147	130	66	36	15	19	318	303	
22	342	293	355	343	331	337	335	341	334	1	5	18	10	10P	15	19	15	8	355	359	339	319	318	323P	
23	322P	333	335	335	337	337	349	10P	54	43	15	52	32	14	9	1	13	11	10	323	327	327	330	327	
24	335	329	320	322	326	322	322	326	336	4	8P	45	56	62P	79	62P	72	37	335	305	349P	288	306	323	
25	297	272	256	279P	323	307	270P	276	270	274	290	345	304P	229	150P	32	326P	27	200	269P	261	314	317P	338	
26	263P	267	280	286	286	295	279	285	314	113	104	81	104P	118	131	127	139	137	210	177P	261	260	213	196	
27	146	168	312	164P	239	141P	168	286	332	80	111	117	116P	115	123	134	135	133	233P	218	267	256	263	262	
28	242	235	256	264	233	295	275	277	130	39	89	136P	118	123	132	107P	102P	118	8	342P	338P	327	353	342	
29	336	17	1	29	13	358	336	340P	354	358	7	15	6	2	4	358	350	358	346	345	332	337	8	20	
30	354	332	333	333	334	326	317	316P	327	338	351	3	6	360	6	18	2P	355	19	42	56P	53	67P	46	
31	47	50	47P	20	16	19	26	20	346	338	344	356P	17	17	17	13	10	9	9	22P	10	7	7	353	

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

Monthly Ave: 202

Wind Speed (PE10)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PE10
Parameter: WS (MPH) Wind Speed
Month/Year: Oct 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	6.5	6.1	6.5	6.5	6.0	5.2	4.2	4.9	5.7	5.8	6.0	6.3	5.9	6.2	6.2	5.9	5.2	3.7	4.4	3.4	4.3	5.7	4.1	4.5	3.4	6.5	
02	2.8	2.7	3.5	3.8	4.0	3.6	3.7	3.4	3.9	3.1	3.4	2.8	3.1	3.2	4.4	3.8P	4.2	3.2	3.5	3.3	4.4	4.3	4.5	3.9	2.7	4.5	
03	3.4	3.5	3.8	3.9	3.3	3.4	2.9	4.2	5.0	4.9	5.1	5.8	5.1	5.7	5.7	5.2	4.1	3.8	3.8	3.2	2.6	1.9	2.5	2.5	1.9	5.8	
04	2.3	1.9	2.7	2.7	2.5	4.5	4.4	4.3	3.3	3.7	4.9	4.7	5.7	5.4	4.9	5.5	4.7	4.1	2.4	2.3	3.3	3.6	2.6	2.6	1.9	5.7	
05	2.1	2.8	2.6	2.0	1.4	1.3	2.4	3.3	4.2	4.0	3.9	4.8	5.7	5.9	5.2	4.2	4.2	3.6	3.0	2.9	2.0	2.4	2.0	1.8	1.3	5.9	
06	4.2	3.0	2.8	3.4	2.6	2.8	2.6	3.4	3.5	3.9	4.7P	3.2	4.7P	5.3P	4.5	4.4	3.6	2.2	1.4	2.3	1.7	1.9	1.5	1.9	1.4	5.3	
07	1.5	1.4	2.2	1.4	1.1	1.4	1.0	1.5	2.1	2.4	4.2	4.4	4.6	4.7	5.1	4.1	3.3	1.8	0.5	0.6	0.9	0.6	0.8	0.7	0.5	5.1	
08	0.8	0.6	1.1	1.6	1.8	1.6	1.3	1.9	3.0	3.2	2.7	3.4	4.8	5.6	4.4	4.0	3.0	3.1	2.2	1.9	1.4	0.7P	0.7	1.3	0.6	5.6	
09	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4.7P	4.1P	4.7	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	4.1	4.7
10	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4.8	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	4.1	4.8
11	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	4.8	4.8
12	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	4.8	4.8
13	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	4.8	4.8
14	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4.2P	4.1P	3.7	2.5	1.2P	2.4	4.6	1.7	3.4	1.6	1.2	4.6	
15	5.1	3.2	2.8	4.7	3.5	3.0P	1.4P	4.4	3.3	1.8	3.8	2.8	2.7	4.0	2.9	3.5	2.9	1.7	1.0	1.0	1.1	2.2	1.2	1.0	1.0	5.1	
16	1.3	1.5	2.2	2.9P	3.0P	2.9	2.7	3.1	3.2	3.6	4.6	4.7	5.1	4.1	5.0P	3.6	4.9	4.7	4.1	5.3	4.7	3.9	4.0	2.3	1.3	5.3	
17	2.2	2.1P	1.8	3.3	3.6	4.1	4.3	4.9	3.3	3.2	3.3	4.1P	4.5	4.8	4.3	4.5	3.5	4.3	4.8	3.5	3.8	5.2P	4.2	4.7	1.8	5.2	
18	3.9P	3.1	1.9	1.4	1.3	2.5	1.8	2.0	2.3	4.0	4.4	5.3P	4.7	5.2	4.2	4.3P	3.8	3.1	3.1	2.2	1.3	2.2	3.3	2.1	1.3	5.3	
19	1.7	2.1	1.6	0.9	1.3	3.1	4.2	2.2	3.4P	3.0	3.2	2.9	4.4P	4.0	3.1	2.1	2.6	2.5	3.2P	3.2P	2.4	3.1	2.8	2.7	0.9	4.4	
20	3.4	2.7P	2.3	2.1	1.6	1.4	2.0	1.7	2.2	2.6	3.4	5.0	5.5P	5.2	4.7	4.2	3.7	1.8	0.4	0.9	0.9	0.9	0.9	0.9	0.4	5.5	
21	1.1	0.7	0.6	0.8P	0.6	0.8	0.4	1.3	1.1	2.3	3.5	5.3	4.9	4.6	4.1	2.6P	2.6	2.4	1.3	1.0	0.7	1.2	1.2	0.7	0.4	5.3	
22	1.1	0.7	2.1	1.9	3.2	4.0	4.3	3.0	3.9	3.4	4.0	5.4	5.4	5.1P	5.4	5.8	4.8	3.8	3.1	3.2	3.7	5.5	5.5	6.3P	0.7	6.3	
23	5.3P	4.2	3.8	3.9	3.7	3.5	3.4	3.2P	4.8	4.9	5.4	5.2	5.3	5.1	5.1	4.7	3.9	3.1	3.2	4.1	3.7	4.0	3.7	3.9	3.1	5.4	
24	3.3	4.1	4.2	4.1	4.2	4.8	5.3	5.0	4.9	4.3	4.4P	3.6	3.8	4.7P	4.1	3.9P	3.0	2.2	0.9	0.7	1.1P	1.3	1.6	1.7	0.7	5.3	
25	1.7	0.8	0.7	1.3P	1.5	0.8	1.0P	0.7	0.6	0.5	1.6	1.7	1.7P	1.6	1.0P	2.4	3.2P	1.8	0.6	0.9P	1.1	1.5	2.0P	1.6	0.5	3.2	
26	0.4P	0.6	0.7	1.2	1.0	1.1	0.9	1.0	2.1	3.1	3.6	3.9	4.6P	4.8	4.4	3.7	2.8	2.1	0.5	0.4P	0.7	0.6	0.3	0.8	4.8	4.8	
27	1.3	0.5	0.5	0.4P	0.5	0.5P	0.7	0.7	2.0	2.4	4.7	4.0	4.2P	4.5	4.0	2.8	3.0	0.9	0.5P	0.4	0.7	0.6	0.6	0.7	0.4	4.7	
28	0.9	0.9	1.1	1.1	0.7	0.9	0.9	0.7	1.1	2.1	2.2	3.2P	4.8	3.9	3.4	3.1P	3.0P	1.6	0.6	1.1P	1.7P	2.1	1.4	1.8	0.6	4.8	
29	1.5	1.1	2.0	1.8	1.9	2.4	3.5	4.5P	5.5	6.1	6.9	6.6	7.1	7.1	6.3	5.8	4.4	3.2	3.1	4.0	5.4	6.3	4.8	4.6	1.1	7.1	
30	3.4	4.5	3.6	4.1	4.6	3.4	4.1	5.2P	5.3	5.7	5.1	5.2	5.2	5.4	5.7	5.2	4.1P	3.4	4.8	5.2	4.6P	4.9	3.4P	4.1	3.4	5.7	
31	4.3	4.0	3.3P	3.4	2.3	3.6	3.1	2.9	3.7	3.7	3.8	4.8P	5.9	6.0	5.8	5.2	5.2	4.8	4.4	5.2P	4.5	4.2	4.5	4.3	2.3	6.0	

Flags: Monthly: 3.2 Ave 0.3 Min 7.1 Max

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