

# Monthly Matrix SO2 (HL11)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: HL11  
Parameter: SO2 (PPB) Sulfur Dioxide  
Month/Year: Oct 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	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	9995	9995	4	3	2	2	2	2	2	6				
02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	2	2	2	2	2	2	2	6					
03	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	3	2	2	2	2	2	2	6					
04	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	4	3	2	2	2	2	2	2	7					
05	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	4	3	2	2	2	2	2	2	8					
06	2	2	2	2	2	3	8	7	7	11	6	3	9995	4	CAL	9995	CAL	9995	4	3	2	2	2	2	2	2	11					
07	6	6	9	14	25	31	31	17	8	4	3	2	2	2	CAL	9995	CAL	9995	5	3	3	2	2	2	2	2	31					
08	2	2	2	2	2	2	2	2	2	6	6	7	4	3	CAL	9995	CAL	9995	5	4	3	3	3	3	5	2	12					
09	6	6	7	6	5	4	3	3	3	4	4	3	2	2	CAL	9995	CAL	9995	5	3	3	2	2	2	2	2	14					
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	5	3	3	2	2	2	2	2	11					
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	4	3	2	2	2	2	2	2	9					
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	3	2	2	2	2	2	2	6					
13	2	2	2	2	2	2	2	2	2	2	2	2	9995	CAL	CAL	9995	CAL	9995	3	2	2	2	2	2	2	2	4					
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	2	2	2	2	2	2	2	5					
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	2	2	2	2	2	2	2	6					
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	2	2	2	2	2	2	2	5					
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	2	2	2	2	2	2	2	5					
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	2	2	2	2	2	2	2	5					
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	5	3	2	2	2	2	2	2	15					
20	2	2	2	2	2	2	2	2	2	2	2	2	9995	7	CAL	9995	CAL	9995	5	3	2	2	2	2	2	2	11					
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	2	2	2	2	2	3	2	5					
22	5	5	4	3	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	3	2	2	2	2	2	2	6					
23	2	2	2	2	2	2	4	18	12	4	3	3	3	3	CAL	9995	CAL	9995	4	3	2	2	2	2	2	2	18					
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	2	2	2	2	2	2	2	7					
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	4	3	3	2	2	2	2	2	6					
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	3	2	2	2	2	2	2	2	5					
27	2	2	2	2	2	2	2	2	2	2	2	2	9995	CAL	CAL	9995	CAL	9995	2	2	2	2	2	2	2	2	4					
28	2	2	2	2	2	2	2	2	2	9979	9979	9979	6	3	CAL	9995	CAL	9995	4	3	2	2	2	3	12	2	12					
29	30	47	54	88	76	54	32	18	18	14	8	5	3	3	CAL	9995	CAL	9995	4	3	2	2	2	2	2	2	88					
30	2	2	2	2	2	2	2	2	2	2	3	3	3	3	CAL	9995	CAL	9995	3	2	2	2	2	2	2	2	6					
31	2	2	2	2	2	2	2	2	2	2	2	2	2	2	CAL	9995	CAL	9995	5	3	3	3	3	3	2	2	5					

Flags:

- C = Calibration - Valid Hour
- c = BD-Calibration Auto- Invalid Hour (9995)
- d = AM-Misc Void (9979)
- P = Power Failure - Valid Hour

Monthly: 3 Ave 2 Min 88 Max



# Monthly Matrix SO2 (MV17)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: MV17  
Parameter: SO2 (PPB) Sulfur Dioxide  
Month/Year: Oct 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	0	0	0	0	0	0	0	0	0	CAL	9995	1	9995	CAL	0	0	0	0	0	1
02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9995	1	0	0	0	0	0	0	0	1
06	0	0	0	0	11	7	8	19	9	2	1	1	1	0	0	0	0	0	0	20	58	31	29	19	0	58
07	40	47	35	43	61	50	36	13	6	3	1	11	9	1	1	2	9979	6	3	39	55	62	7	3	1	62
08	2	60	14	7	5	3	3	18	18	41	84	12	8	5	3	CAL	9995	2	1	1	0	1	2	3	0	84
09	5	7	17	55	45	35	24	16	23	18	14	9	6	6	5	3	5	6	3	1	1	1	0	0	0	55
10	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9995	1	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	9979	1	0	0	0	0	0	0	0	2
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	CAL	9995	1	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	0	0	1	0	0	0	0	0	0	0	2
18	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9995	1	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CAL	9995	1	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
24	43	17	3	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	24
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9995	1	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
29	3	5	4	12	52	71	58	34	45	20	4	2	1	1	1	CAL	9995	1	1	1	1	1	1	1	1	71
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Flags:

- C = Calibration - Valid Hour
- c = BD-Calibration Auto- Invalid Hour (9995)
- D = Off-Line Part of Hour - Valid Hour
- d = AM-Misc Void (9979)
- P = Power Failure - Valid Hour

Monthly: 3 Ave 0 Min 84 Max

# Monthly Matrix SO2 (PA16)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: PA16  
Parameter: SO2 (PPB) Sulfur Dioxide  
Month/Year: Oct 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	11	30	21	13	3	2	2	12	56	24	37	14	18	17	CAL	CAL	12	44	58	9995	12	9	72	178	2	178	
02	179	129	20	4	27	9	3	2	7	1	1	1	7	16	12	68	4	25	30	94	89	75	46	75	1	179	
03	32	31	55	58	61	44	18	18	21	36	21	10	4	4	2	1	1	1	2	10	22	36	37	48	1	61	
04	52	118	71	71	133	186	172	155	74	47	22	14	12	9	6	9	3	19	62	143	59	51	43	35	3	186	
05	30	18	19	15	37	56	78	110	130	46	13	2	2	2	CAL	CAL	2	1	1	1	1	1	17	46	55	1	130
06	62	51	89	149	119	119	152	140	135	14	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	152
07	1	1	1	1	5	19	33	85	149	51	59	32	31	29	20	9979	7	4	2	1	1	1	1	1	1	1	149
08	1	1	1	0	0	0	0	0	0	0	0	0	0	0	CAL	CAL	1	1	1	1	1	1	0	0	0	0	4
09	0	0	0	0	1	18	84	98	57	64	195	108	23	8	3	2	2	1	1	1	1	1	1	2	3	0	195
10	3	4	5	8	14	12	10	10	31	52	38	6	4	2	1	1	1	1	1	4	6	11	12	13	1	52	
11	10	7	14	14	9	9	7	16	38	41	26	6	2	1	1	1	1	1	1	13	23	20	47	51	1	51	
12	22	11	8	12	15	13	13	13	32	37	24	36	10	4	CAL	CAL	24	17	13	15	95	70	43	50	4	95	
13	68	82	59	44	24	17	29	39	60	80	90	104	62	13	3	2	1	3	3	15	31	55	46	50	1	104	
14	52	45	33	29	19	23	26	24	57	60	59	53	28	21	15	9979	8	5	3	2	2	1	1	1	1	1	60
15	60	45	11	15	19	18	14	30	47	36	17	18	18	10	CAL	CAL	2	1	1	1	1	2	3	15	25	1	60
16	27	26	63	89	87	65	58	97	328	433	60	26	5	3	2	2	5	9	8	6	6	4	6	6	2	433	
17	24	31	33	28	165	98	66	71	76	69	46	28	45	112	45	7	21	43	62	32	23	28	24	25	7	165	
18	12	6	7	3	2	8	8	20	46	105	40	25	9	8	6	5	10	25	44	47	48	52	101	83	2	105	
19	151	157	97	289	236	211	81	92	70	43	68	28	10	5	CAL	CAL	3	3	4	4	3	1	1	1	1	1	289
20	1	1	10	9	4	20	127	245	88	18	7	3	2	2	1	1	1	1	1	1	1	1	3	40	1	245	
21	86	83	119	76	65	61	30	30	44	23	5	3	2	1	1	9979	6	3	2	3	4	17	34	85	1	119	
22	178	204	68	67	73	87	66	63	60	21	6	6	4	2	CAL	CAL	1	1	1	7	24	39	35	108	1	204	
23	137	190	313	353	244	289	250	268	325	127	21	8	4	3	2	3	2	2	2	4	13	16	21	12	2	353	
24	19	11	8	4	1	11	111	139	224	48	27	3	3	2	1	1	1	2	2	3	4	20	55	48	1	224	
25	112	90	12	47	13	32	50	115	490	201	16	12	7	4	2	2	6	11	2	2	1	11	29	33	1	490	
26	266	102	30	146	217	98	122	95	53	103	66	44	5	3	CAL	CAL	46	59	116	129	108	292	149	120	3	292	
27	73	85	78	273	216	132	88	119	327	159	29	6	4	3	2	2	2	2	2	2	2	10	31	109	2	327	
28	92	49	33	184	47	20	9	91	129	28	7	3	2	2	1	9979	6	3	2	1	1	1	1	1	1	1	184
29	1	9	25	41	51	60	40	24	43	7	3	2	2	1	CAL	CAL	1	2	2	8	16	14	24	44	1	60	
30	38	38	52	66	124	110	105	81	104	77	29	6	3	2	2	2	3	4	80	114	69	97	106	91	2	124	
31	89	85	88	119	28	14	86	199	111	190	59	23	10	9	5	5	11	23	33	29	35	70	112	84	5	199	

Flags: C = Calibration - Valid Hour  
c = BD-Calibration Auto- Invalid Hour (9995)  
d = AM-Misc Void (9979)  
P = Power Failure - Valid Hour

Monthly: 41 Ave 0 Min 490 Max

# Monthly Matrix SO2 (PE10)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: PE10  
Parameter: SO2 (PPB) Sulfur Dioxide  
Month/Year: Oct 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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9979	498	500	606	48	2	1	1	1	1	1	1	606			
02	1	1	1	1	1	1	1	1	1	1	1	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	1	1				
03	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	1				
04	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	1				
05	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
06	1	1	1	1	1	1	9995	1	1	1	9995	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
08	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
09	1	1	1	1	1	1	5	17	14	4	8	7	4	3	3	2	1	1	1	1	1	1	1	1	1	1	17				
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
13	1	1	1	1	1	1	9995	1	1	1	9995	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
20	1	1	1	1	1	1	1	9995	1	1	9995	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
27	1	1	1	1	1	1	9995	1	1	1	9995	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				

Flags: Monthly: 4 Ave Min Max  
 c = BD-Calibration Auto- Invalid Hour (9995)  
 P = Power Failure - Valid Hour  
 p = Power Failure - Invalid Hour (9979)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

# Monthly Matrix PM2.5 (HL11)

Station/Facility: HL11  
 Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3  
 Month/Year: Oct 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	2	4	5	3	-1	1	3	4	4	5	4	3	4	3	4	4	3	2	3	4	4	4	5	3	3	-1	5						
02	3	4	2	2	4	1	2	4	4	5	4	4	4	4	6	6	3	2	2	2	2	4	3	1	2	1	6						
03	4	3	-1	0	3	3	1	1	2	4	4	3	2	5	7	6	6	7	6	5	4	4	4	4	2	-1	7						
04	0	2	4	4	3	6	9	8	4	4	6	5	2	-2	-1	1	1	2	2	2	1	2	4	4	4	-2	9						
05	5	4	2	2	2	4	4	5	5	5	6	4	2	4	6	5	5	6	8	6	6	3	4	6	4	2	8						
06	1	1	4	7	8	11	15	19	24	15	14	13	8	4	5	5	7	8	8	8	7	4	3	7	1	24							
07	16	20	21	29	24	20	17	14	12	12	9	6	5	7	4	0	1	2	4	6	6	4	5	6	0	29							
08	10	10	7	7	7	9	9	7	9	11	11	24	20	23	15	9	9	8	9	13	13	11	8	9	7	24							
09	11	9	11	14	13	10	9	11	11	10	11	11	16	10	10	10	7	5	7	15	15	12	10	12	5	16							
10	10	7	8	8	5	6	7	-14	9	7	3	0	-2	-2	0	3	4	3	5	8	8	6	6	4	-14	10							
11	5	5	4	7	7	5	0	3	6	4	2	1	3	1	1	2	2	1	2	4	5	3	1	1	0	7							
12	2	1	-1	0	0	-1	0	0	0	-1	-2	-3	0	3	5	4	5	7	4	4	2	2	2	5	-3	7							
13	6	6	4	2	2	1	2	3	5	5	5	3	0	1	4	0	-1	1	4	4	4	4	2	3	-1	6							
14	3	0	-1	3	4	1	2	7	5	-1	-3	0	2	1	-1	0	4	2	3	3	6	8	8	7	-3	8							
15	2	1	4	5	5	5	6	6	3	3	0	1	2	1	1	1	4	5	6	6	6	9	5	1	0	9							
16	1	0	0	2	4	3	1	1	4	3	1	1	1	0	0	0	-2	-2	2	2	0	0	0	-2	-4	4							
17	-1	1	1	4	5	5	4	4	3	3	1	-1	1	3	2	-1	0	1	-1	1	1	3	1	2	3	-1	5						
18	2	5	5	6	6	5	4	3	3	2	3	5	7	8	4	4	6	3	2	4	6	6	9	10	2	10							
19	5	4	4	4	5	2	-1	1	3	2	2	4	4	3	3	5	4	0	2	6	6	6	3	1	-1	6							
20	2	3	2	-3	-1	1	1	3	3	6	7	6	3	3	4	1	-2	2	5	5	2	2	2	3	-3	7							
21	2	2	2	3	4	4	0	1	4	5	2	-1	0	2	2	1	2	3	2	3	8	7	1	1	-1	8							
22	4	7	6	2	0	0	0	-2	0	0	3	8	4	3	6	3	1	5	7	7	5	3	5	6	-2	8							
23	6	4	2	3	3	4	4	4	6	5	5	7	6	7	5	4	5	5	6	5	3	3	5	4	2	7							
24	2	1	2	5	6	4	1	3	3	4	6	9	9	7	5	6	7	2	3	5	6	3	2	1	1	9							
25	0	2	2	2	1	-1	-1	2	6	5	4	6	6	5	3	5	7	4	4	7	8	9	7	4	-1	9							
26	2	0	4	5	4	2	0	4	2	-3	-2	1	4	2	1	5	2	2	5	3	5	7	3	5	-3	7							
27	6	7	9	6	6	8	6	6	6	6	3	2	4	3	3	4	2	3	7	9	8	7	5	5	2	9							
28	5	2	2	4	6	7	6	3	3	8	11	11	11	11	9	9	6	5	7	7	7	8	8	11	2	11							
29	26	33	27	34	33	35	27	23	23	15	15	8	9	6	3	7	10	8	7	8	9	10	11	10	3	35							
30	7	9	10	9	16	2	2	4	4	4	6	5	5	5	4	3	4	4	4	5	6	5	4	4	2	16							
31	3	4	3	2	2	2	5	6	4	1	-2	2	5	3	6	6	1	3	5	2	4	7	6	4	-2	7							

Flags:  
None

Monthly:  
Ave 5  
Min -14  
Max 35

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

# Monthly Matrix PM2.5 (KN12)

Station/Facility: KN12  
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3  
Month/Year: Oct 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	5	6	8	8	8	10	11	10	4	4	8	6	5	7	7	5	5	6	8	8	7	5	5	5	4	11							
02	3	3	7	7	7	7	7	7	6	5	6	7	5	3	4	6	8	5	5	9	7	6	6	5	3	9							
03	5	7	7	5	5	8	7	6	6	4	5	4	5	6	6	7	9	10	7	6	6	5	7	9	4	10							
04	10	8	6	7	6	7	7	5	4	4	5	7	7	8	8	10	10	10	11	10	8	8	6	4	11								
05	3	3	6	8	5	3	7	9	7	5	4	5	8	0	4	2	5	8	6	6	6	7	9	11	0	11							
06	10	15	9	8	9	10	7	8	9	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	9979	7	15							
07	9979	9979	9979	9979	9979	9979	9979	5	8	6	0	6	6	9	7	6	9	7	8	10	9	6	6	1	0	10							
08	-1	5	6	9	9	6	5	2	2	2	2	2	2	4	2	1	2	2	-1	1	3	3	1	1	-1	9							
09	-1	0	3	3	2	3	3	5	3	2	3	6	9	6	6	7	6	4	3	4	4	4	4	5	-1	9							
10	7	7	8	10	11	10	8	8	6	6	8	11	13	14	17	14	14	16	19	13	15	13	9979	9979	6	19							
11	9979	9979	9979	9979	9979	9979	9979	2	5	7	14	9	14	10	10	14	8	8	17	25	16	20	12	19	2	25							
12	16	19	17	19	8	6	6	7	9	8	4	1	6	7	4	5	7	7	9979	9979	9979	9979	9979	9979	1	19							
13	9979	9979	9979	9979	9979	9979	9979	0	8	6	5	5	5	4	2	5	11	12	9	7	5	5	7	7	0	12							
14	7	8	8	7	7	7	4	6	2	3	10	10	11	11	12	20	21	22	16	17	10	14	12	19	2	22							
15	17	18	16	15	13	16	16	11	14	8	10	11	10	14	7	8	8	7	4	2	2	2	3	2	2	18							
16	3	5	2	3	4	2	3	4	5	5	5	5	6	5	5	7	7	7	10	10	5	5	9979	9979	2	10							
17	9979	9979	9979	9979	9979	9979	9979	8	10	11	11	8	7	9	6	4	5	3	1	1	7	9	10	13	1	13							
18	12	10	10	11	10	9	6	8	8	7	8	8	9	10	12	13	11	10	14	16	15	14	13	15	6	16							
19	13	17	12	11	11	10	8	6	3	6	11	14	14	11	11	10	10	10	10	10	10	11	14	11	3	17							
20	12	13	11	9	7	6	9	8	6	7	8	9	12	12	9	9	9	8	12	12	18	20	15	18	6	20							
21	17	12	12	12	12	11	17	10	9	10	15	12	12	15	22	19	17	16	12	12	12	12	11	11	9	22							
22	17	15	12	13	11	8	4	6	6	9	8	10	11	9	10	15	23	22	22	20	18	22	22	23	4	23							
23	24	18	23	17	18	17	13	13	12	14	17	13	15	13	15	20	17	20	21	17	18	16	20	22	12	24							
24	20	20	19	22	19	18	15	17	10	11	18	15	17	16	16	12	16	17	14	11	17	19	20	19	10	22							
25	19	16	18	15	14	12	14	12	12	14	15	17	10	8	7	8	8	8	7	8	10	14	17	11	7	19							
26	10	10	9	8	9	10	10	11	11	8	14	14	14	13	14	17	16	24	18	19	24	20	18	20	8	24							
27	19	24	21	17	16	18	15	13	15	15	19	16	17	20	19	21	18	18	24	20	24	29	31	22	13	31							
28	19	24	20	22	21	21	18	22	21	23	18	18	19	15	18	20	16	14	16	15	17	18	21	23	14	24							
29	25	17	19	19	24	24	16	17	18	-1	13	11	14	9	11	20	11	12	12	9	21	21	20	15	-1	25							
30	20	20	23	20	12	20	17	20	17	15	18	14	14	16	13	15	16	15	17	20	17	19	24	10	10	24							
31	17	12	11	15	17	14	16	15	11	11	10	9	11	12	18	17	22	14	14	17	14	18	19	12	9	22							

Flags: P = Power Failure - Valid Hour  
p = Power Failure - Invalid Hour (9979)

Monthly: 11 Ave -1 Min 31 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 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	7	9	8	8	6	7	8	7	6	6	8	8	18	6	6	8	7	6	8	8	3	6	13	3	18							
02	12	10	8	8	11	6	3	6	8	8	8	6	8	11	12	11	8	7	7	6	6	5	7	8	3	12							
03	6	6	8	10	6	2	4	5	6	5	4	8	8	8	7	6	8	6	5	5	7	8	5	4	2	10							
04	7	6	8	13	10	6	7	9	10	10	2	-1	3	6	4	2	3	2	3	4	1	-1	1	4	-1	13							
05	4	7	7	4	4	3	3	5	6	7	8	6	5	5	5	6	6	6	8	7	4	4	6	7	3	8							
06	6	6	7	6	10	21	17	12	27	15	12	8	6	6	8	8	7	7	8	7	17	36	33	14	6	36							
07	13	21	21	21	34	33	48	23	21	7	6	5	8	8	7	7	6	3	3	4	25	24	16	10	3	48							
08	5	6	9	9	9	10	11	10	20	23	21	27	23	18	14	13	9	8	9	8	5	7	8	8	5	27							
09	11	11	13	13	29	24	24	17	17	17	18	16	24	16	16	15	13	17	12	10	8	11	14	16	8	29							
10	17	17	11	12	13	12	8	8	10	10	10	11	12	10	9	8	6	6	8	9	8	7	9	9	6	17							
11	6	8	11	7	6	9	6	5	7	10	11	12	9	6	5	6	7	7	7	6	6	4	3	4	3	12							
12	6	6	6	6	5	3	3	4	4	4	7	8	6	7	6	7	8	6	6	5	7	6	7	9	3	9							
13	5	3	4	6	7	10	7	4	7	9	9	9	5	2	7	8	7	8	6	4	6	5	8	12	2	12							
14	11	7	8	8	6	7	4	6	9	7	7	9	11	12	10	7	6	4	5	6	7	8	6	3	3	12							
15	6	10	7	7	11	9	7	10	12	7	7	9	13	10	6	4	4	4	5	6	6	6	3	3	3	13							
16	6	6	8	6	4	5	7	6	5	6	7	11	12	11	12	12	10	10	6	4	3	2	1	1	1	12							
17	1	6	9	5	4	9	10	7	6	5	5	9	11	9	6	6	9	8	6	7	8	8	6	4	1	11							
18	4	5	9	8	5	6	9	10	9	10	9	6	9	10	7	6	10	14	11	7	5	6	5	5	4	14							
19	6	7	6	3	6	8	6	7	10	10	10	11	8	4	4	4	4	4	5	6	3	6	9	6	3	11							
20	6	5	5	5	6	5	7	11	12	10	7	6	5	6	5	3	3	5	5	7	7	2	4	6	2	12							
21	6	6	3	0	2	3	4	4	3	4	6	6	7	7	8	8	11	12	7	6	6	9	10	9	0	12							
22	7	7	7	8	10	5	2	4	5	5	10	12	11	6	6	9	7	9	8	7	7	6	5	7	2	12							
23	10	10	9	10	8	5	6	8	19	10	10	17	15	9	6	7	8	8	6	7	6	6	6	6	5	19							
24	21	17	9	6	4	6	7	6	6	10	11	8	6	17	7	8	7	6	6	8	9	7	6	9	4	21							
25	8	6	4	5	4	4	5	3	4	5	3	7	10	11	13	13	11	7	6	8	9	9	7	6	3	13							
26	8	10	6	4	2	4	10	8	6	7	12	13	11	10	8	10	10	10	7	7	7	8	10	11	2	13							
27	10	8	8	9	9	10	10	8	9	6	6	10	11	10	9	10	18	3	4	7	5	4	6	7	3	18							
28	7	5	5	7	5	2	5	6	6	7	12	12	11	8	8	10	9	9	10	8	6	7	7	7	2	12							
29	19	14	17	18	16	31	27	23	21	16	11	8	7	5	7	17	6	11	12	7	7	8	7	6	5	31							
30	7	10	6	3	4	6	4	3	4	6	8	7	9	9	5	7	10	9	6	6	5	5	4	5	3	10							
31	5	3	5	5	4	5	6	6	5	5	4	4	6	6	5	4	4	7	6	4	6	7	8	7	3	8							

Flags: None  
Monthly: 8 Ave -1 Max



# 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 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	Min	Max	
01	6	6	6	5	3	2	3	0	4	8	7	3	6	5	2	3	3	3	1	5	10	6	5	6	0	10	
02	9	6	6	8	6	3	1	0	-3	0	2	0	2	4	7	6	4	3	4	6	7	9	6	4	-3	9	
03	6	3	-1	1	3	3	0	0	1	3	7	10	8	6	5	5	4	1	6	18	14	12	10	6	-1	18	
04	5	9	19	13	12	18	23	0	21	12	10	4	1	1	2	2	3	7	7	7	11	10	8	10	0	23	
05	11	13	10	7	9	18	24	0	30	19	16	10	4	3	2	3	3	3	2	3	3	6	17	17	0	30	
06	16	23	20	27	33	25	22	0	16	16	10	5	5	3	4	3	2	5	3	2	2	1	3	2	0	33	
07	1	1	-3	-1	2	3	7	19	28	33	22	16	13	18	18	12	8	8	5	2	2	0	1	1	-3	33	
08	-1	-3	-1	0	4	3	1	0	0	1	3	2	2	0	-1	1	2	1	3	3	0	0	1	-1	-3	4	
09	-1	1	2	1	0	4	8	0	13	13	12	45	23	6	6	5	3	1	3	5	5	7	9	10	-1	45	
10	16	10	12	14	13	13	11	0	9	19	27	14	7	2	5	3	1	4	5	4	6	10	10	7	0	27	
11	9	8	8	11	13	10	9	0	10	11	11	10	6	1	1	4	4	1	1	1	4	8	8	12	0	13	
12	14	7	1	1	1	2	6	0	7	8	10	8	7	10	7	4	4	8	14	13	8	8	12	9	0	14	
13	5	5	6	8	6	4	6	0	6	6	6	6	6	6	6	6	6	3	1	3	3	7	8	10	0	10	
14	13	17	16	14	13	10	8	7	31	31	21	21	20	12	9	7	6	2	2	3	3	2	0	-1	-1	31	
15	1	22	15	12	8	17	9	0	12	17	13	12	12	13	9	3	2	2	0	-2	-1	3	4	5	-2	22	
16	10	13	15	14	13	11	11	0	11	11	11	10	10	8	6	2	5	6	3	7	7	6	5	5	0	15	
17	8	5	1	-2	0	5	7	0	3	7	10	8	6	35	5	6	6	5	4	5	5	4	5	4	-2	35	
18	2	3	0	1	2	0	0	0	3	5	5	6	6	5	4	5	5	6	10	11	10	13	14	12	9	0	14
19	8	10	10	7	6	10	7	0	2	8	8	11	8	8	7	9	9	2	3	10	14	9	2	-1	-1	14	
20	-1	1	-1	1	2	1	4	0	25	10	11	10	6	4	3	1	1	1	-1	0	2	4	5	4	-1	25	
21	9	19	13	13	14	15	13	10	6	4	7	7	6	5	0	0	3	2	4	6	5	6	9	14	0	19	
22	15	15	15	11	6	5	5	0	7	7	9	6	6	7	5	4	3	3	2	0	3	11	12	8	0	15	
23	8	13	13	14	15	14	18	0	22	22	37	6	0	4	4	4	3	3	3	1	3	10	11	9	0	37	
24	6	7	10	7	4	3	4	0	20	19	7	10	8	4	3	3	3	5	4	2	2	10	15	19	0	20	
25	13	12	7	3	2	3	9	0	23	24	6	5	4	4	5	8	9	4	0	1	1	3	5	6	0	24	
26	4	19	9	7	10	20	10	0	8	6	26	13	8	4	3	9	8	5	11	13	22	16	22	14	0	26	
27	14	13	13	15	28	36	18	0	17	16	9979	20	20	8	9	8	5	5	6	4	8	11	10	11	0	36	
28	18	13	11	8	24	8	6	3	27	31	6	10	12	8	5	1	2	5	6	5	5	7	4	4	1	31	
29	4	3	7	10	11	10	11	0	9	9	2	2	3	1	2	7	8	5	2	3	6	9	14	15	0	15	
30	13	12	10	11	14	13	10	0	9	9	23	12	9	7	6	4	6	7	10	17	21	15	10	8	0	23	
31	10	8	7	6	4	2	1	0	5	6	6	11	10	5	6	8	7	8	10	9	9	9	9	8	0	11	

Flags:  
d = AM-Misc Void (9979)  
P = Power Failure - Valid Hour

Monthly: 8 Ave -3 Min 45 Max