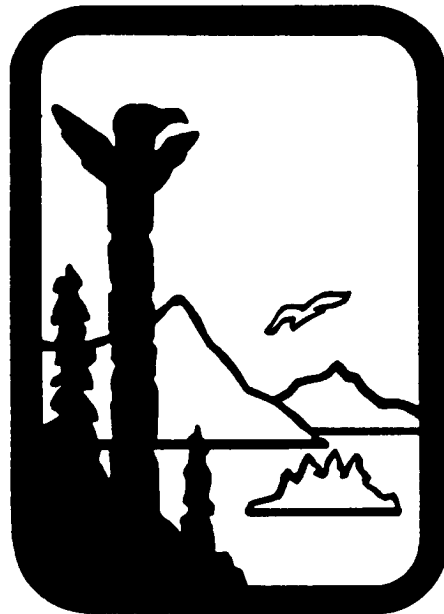


# Alaska Department of Environmental Conservation



## **Amendments to: State Air Quality Control Plan**

### **Vol. III: Appendix III.D.5.04**

**{Appendix to Volume II. Analysis of Problems, Control Actions;  
Section III. Area-wide Pollutant Control Program; D. Particulate  
Matter; 5. Fairbanks North Star Borough PM2.5 Control Plan}**

**Public Review Draft**

November 14, 2014

**Sean Parnell  
Governor**

**Larry Hartig  
Commissioner**

**(This page serves as a placeholder for two-sided copying)**

### **Appendix III.D.5.04**

Ambient Air Quality Data - Fairbanks PM<sub>2.5</sub> FRM data from 2005 through 2012 for the State Office Building site.

**(This page serves as a placeholder for two-sided copying)**

Fairbanks PM <sub>2.5</sub> FRM data from 2005 through 2012 for the State Office Building site			
AQS Qualifier Codes			
Cod e	Description	Comments	Used for NAAQS compliance?
1	Deviation from CFR/Critical Criteria Requirement	usually a post-sample filter holding issue	Concentration is included in NAAQS compliance calculations
2	Operational Deviation	usually a pre-sample filter holding issue	Concentration is included in NAAQS compliance calculations
3	Field Issue	typically a QA issue	Concentration is included in NAAQS compliance calculations
E	Forest Fire	old AQS qualifier flag, later changed to RT	Concentration is included in NAAQS compliance calculations
P	Roofing operations		Concentration is included in NAAQS compliance calculations
RT	Wildfire - US	same as E, name changed after 2006; an exceptional events waiver request has been submitted to EPA	Concentration will not be included in NAAQS compliance calculations once exceptional events waiver is granted.
X	Filter temperature difference out of spec		Concentration is included in NAAQS compliance calculations
Y	Elapsed sample time out of spec		Concentration is <b>not</b> included in NAAQS compliance calculations <b>unless</b> it is an <b>exceedance</b>
AQS Null Codes			
Cod e	Description	Used for NAAQS compliance?	
AF	Scheduled but not collected	No	
AG	Sample time out of limits	No	
AJ	Filter damage	No	
AM	Miscellaneous void	No	
AN	Machine malfunction	No	
AQ	Collection Error	No	

Fairbanks State Office Building site PM <sub>2.5</sub> FRM data from 2005 through 2012						
Date [yyyymmdd]	Date [m/d/yy]	Sample Value [ug/m <sup>3</sup> ]	Null Data Code	Qualifier - 1	Qualifier - 2	Comments
20050104	1/4/05	4.7				
20050110	1/10/05	28.9		3		Field Issue; Concentration is included in NAAQS compliance calculations
20050116	1/16/05	40.6		3		Field Issue; Concentration is included in NAAQS compliance calculations
20050122	1/22/05	32.7				
20050128	1/28/05	29.2		3		Field Issue; Concentration is included in NAAQS compliance calculations
20050203	2/3/05	60.0		2	X	Operational deviation, Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20050209	2/9/05	23.8				
20050215	2/15/05	15.7				
20050221	2/21/05	34.0				
20050227	2/27/05	6.1				
20050305	3/5/05	16.5				
20050311	3/11/05	8.5				
20050317	3/17/05	5.1				
20050323	3/23/05	6.7				
20050329	3/29/05	4.6				
20050404	4/4/05	5.4				
20050410	4/10/05	4.3				
20050416	4/16/05	4.5				
20050422	4/22/05	4.0				
20050428	4/28/05	7.1				
20050504	5/4/05	4.2				

20050510	5/10/05	5.0				
20050516	5/16/05	2.5				
20050522	5/22/05	4.6				
20050528	5/28/05	0.1				
20050603	6/3/05	2.9				
20050609	6/9/05	5.0				
20050615	6/15/05	8.7		2	X	Operational Deviation, Filter temperature difference out of spec. Concentration is included in NAAQS compliance calculations
20050621	6/21/05	16.0		E		Forest Fire, data point impacted by wildfire, requesting EPA exclude exception event from attainment calculations
20050627	6/27/05	28.9		E		Forest Fire, data point impacted by wildfire, requesting EPA exclude exception event from attainment calculations
20050703	7/3/05	4.6				
20050709	7/9/05	7.0				
20050715	7/15/05	5.3				
20050721	7/21/05	2.4				
20050727	7/27/05	33.5		E		Forest Fire, data point impacted by wildfire, requesting EPA exclude exception event from attainment calculations
20050802	8/2/05	20.6		E		Forest Fire, data point impacted by wildfire, requesting EPA exclude exception event from attainment calculations
20050808	8/8/05	32.1		E		Forest Fire, data point impacted by wildfire, requesting EPA exclude exception event from attainment calculations
20051001	10/1/05	0.3				
20051007	10/7/05	8.2		P		Roofing operations. Data point still used for calculation of compliance with the NAAQS
20051013	10/13/05	4.6		P		Roofing operations. Data point still used for calculation of compliance with the NAAQS
20051019	10/19/05	9.0				

20051025	10/25/05	4.0				
20051031	10/31/05	9.5				
20051106	11/6/05	12.7				
20051118	11/18/05	5.3				
20051124	11/24/05	6.8				
20051130	11/30/05	22.1				
20051206	12/6/05	18.3				
20051208	12/8/05	14.3				
20051212	12/12/05	5.2				
20051218	12/18/05	28.7				
20051224	12/24/05	25.9				
20051230	12/30/05	32.8				
20060105	1/5/06	38.0				
20060111	1/11/06	42.2				
20060117	1/17/06	51.9				
20060123	1/23/06	27.6				
20060129	1/29/06	32.7		3	X	Field Issue. Filter temperature difference out of spec. Concentration is included in NAAQS compliance calculations
20060204	2/4/06	41.1				
20060210	2/10/06	6.2				
20060216	2/16/06	12.6				
20060222	2/22/06	5.4				
20060228	2/28/06	13.4				
20060306	3/6/06	13.3				



2006031 2	3/12/0 6	8.3				
2006031 8	3/18/0 6	10.1				
2006032 4	3/24/0 6	5.4				
2006033 0	3/30/0 6	13.4				
2006040 5	4/5/06	4.7				
2006041 1	4/11/0 6	3.3				
2006041 7	4/17/0 6	6.2				
2006042 6	4/26/0 6	5.7				
2006042 9	4/29/0 6	4.3				
2006050 5	5/5/06	3.7				
2006051 1	5/11/0 6	4.3				
2006051 7	5/17/0 6	4.5				
2006052 3	5/23/0 6	4.0				
2006052 9	5/29/0 6	4.6				
2006060 4	6/4/06	1.2				
2006061 0	6/10/0 6	12.5				
2006061 6	6/16/0 6	27.4				
2006062 2	6/22/0 6	4.2		1		Deviation from CFR/Critical Criteria Requirement; usually a post-sample filter holding issue; Concentration is included in NAAQS compliance calculations
2006062 8	6/28/0 6	4.1				
2006070 4	7/4/06	4.0				
2006071 0	7/10/0 6	2.7				
2006071 6	7/16/0 6	1.7				

2006072 2	7/22/0 6	4.6				
2006072 8	7/28/0 6	3.8				
2006080 3	8/3/06	2.9				
2006080 9	8/9/06	4.0				
2006081 5	8/15/0 6	2.0				
2006082 1	8/21/0 6	2.0				
2006082 7	8/27/0 6	3.0				
2006090 2	9/2/06	2.5				
2006090 8	9/8/06	4.9				
2006091 4	9/14/0 6	6.0				
2006092 0	9/20/0 6	4.0				
2006092 6	9/26/0 6	6.2				
2006100 2	10/2/0 6	8.9				
2006100 8	10/8/0 6	5.4				
2006101 4	10/14/ 06	7.6				
2006102 0	10/20/ 06	10.0				
2006102 6	10/26/ 06	3.2				
2006110 1	11/1/0 6	4.2				
2006110 7	11/7/0 6	11.5				
2006111 3	11/13/ 06	22.8				
2006111 9	11/19/ 06	23.7				
2006120 1	12/1/0 6	7.3				
2006120 7	12/7/0 6	22.8				

20061213	12/13/06	13.2				
20061219	12/19/06	32.1				
20061225	12/25/06	8.4				
20061231	12/31/06	19.1				
20070106	1/6/07	17.7				
20070112	1/12/07	26.7				
20070118	1/18/07	21.5				
20070121	1/21/07	22.3				
20070127	1/27/07	29.6				
20070130	1/30/07	21.6				
20070202	2/2/07	22.3				
20070208	2/8/07	14.7				
20070211	2/11/07	12.4				
20070214	2/14/07	17.0				
20070220	2/20/07	29.7		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20070223	2/23/07	33.1		3		Field Issue; Concentration is included in NAAQS compliance calculations
20070226	2/26/07	13.7				
20070307	3/7/07	6.0		Y		Elapsed sample time out of spec; Concentration <b>is not</b> included in NAAQS compliance calculations
20070310	3/10/07	8.7		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20070316	3/16/07	11.9				
20070319	3/19/07	13.4				
20070322	3/22/07	5.0				

20070328	3/28/07	16.4				
20070331	3/31/07	12.3				
20070406	4/6/07	5.6				
20070412	4/12/07	5.1				
20070415	4/15/07	3.7				
20070418	4/18/07	6.7				
20070421	4/21/07	5.7				
20070424	4/24/07	3.7				
20070427	4/27/07	3.4		1		Deviation from CFR/Critical Criteria Requirement; usually a post-sample filter holding issue; Concentration is included in NAAQS compliance calculations
20070430	4/30/07	4.7		1		Deviation from CFR/Critical Criteria Requirement; usually a post-sample filter holding issue; Concentration is included in NAAQS compliance calculations
20070503	5/3/07	3.7				
20070506	5/6/07	2.7				
20070509	5/9/07	4.9				
20070512	5/12/07	3.0				
20070515	5/15/07	2.1				
20070518	5/18/07	4.1				
20070521	5/21/07	4.7				
20070524	5/24/07	2.0				
20070527	5/27/07	6.5				
20070530	5/30/07	3.0				
20070602	6/2/07	4.1				

2007061 1	6/11/0 7	4.5				
2007061 4	6/14/0 7	4.0				
2007061 7	6/17/0 7	3.8				
2007062 0	6/20/0 7	5.2				
2007062 3	6/23/0 7	12.4				
2007062 6	6/26/0 7	1.7				
2007062 9	6/29/0 7	5.6				
2007070 2	7/2/07	8.8				
2007070 5	7/5/07	5.7				
2007070 8	7/8/07	5.3				
2007071 1	7/11/0 7	1.7				
2007071 4	7/14/0 7	1.9				
2007071 7	7/17/0 7	3.0				
2007072 0	7/20/0 7	4.5				
2007072 3	7/23/0 7	3.2				
2007072 6	7/26/0 7	4.7				
2007072 9	7/29/0 7	2.8				
2007080 1	8/1/07	2.7				
2007080 4	8/4/07	2.4				
2007080 7	8/7/07	1.7				
2007081 0	8/10/0 7	4.2				
2007081 3	8/13/0 7	1.4				
2007081 6	8/16/0 7	4.7				

2007081 9	8/19/0 7	3.5				
2007082 2	8/22/0 7	3.3				
2007082 5	8/25/0 7	3.0				
2007082 8	8/28/0 7	4.3				
2007083 1	8/31/0 7	5.7				
2007090 3	9/3/07	3.5				
2007090 6	9/6/07	4.5				
2007090 9	9/9/07	3.9				
2007091 2	9/12/0 7	5.1				
2007091 5	9/15/0 7	2.5				
2007091 8	9/18/0 7	6.2				
2007092 1	9/21/0 7	3.7				
2007092 4	9/24/0 7	8.3				
2007092 7	9/27/0 7	4.0				
2007093 0	9/30/0 7	8.8				
2007100 3	10/3/0 7	2.1				
2007100 6	10/6/0 7	3.0				
2007100 9	10/9/0 7	5.8				
2007101 2	10/12/ 07	13.2				
2007101 5	10/15/ 07	12.5				
2007101 8	10/18/ 07	10.7				
2007102 1	10/21/ 07	13.8				
2007102 4	10/24/ 07	6.5				

20071027	10/27/07	14.6				
20071030	10/30/07	18.6				
20071102	11/2/07	8.9				
20071105	11/5/07	21.5				
20071108	11/8/07	10.9				
20071111	11/11/07	22.7				
20071114	11/14/07	26.2				
20071117	11/17/07	8.2				
20071120	11/20/07	17.7				
20071123	11/23/07	10.7				
20071126	11/26/07	12.5		2		Operational deviation; usually a filter holding time issue; Concentration is included in NAAQS compliance calculations
20071129	11/29/07	29.6				
20071202	12/2/07	4.3				
20071205	12/5/07	19.6				
20071208	12/8/07	17.3				
20071211	12/11/07	10.8				
20071214	12/14/07	4.0				
20071217	12/17/07	26.7				
20071220	12/20/07	51.6				
20071223	12/23/07	33.0				
20071226	12/26/07	12.2				
20071229	12/29/07	17.2				
20080101	1/1/08	23.7				

2008010 4	1/4/08	10.8				
2008010 7	1/7/08	19.8				
2008011 0	1/10/08	6.6				
2008011 3	1/13/08	7.7				
2008011 6	1/16/08	21.5				
2008011 9	1/19/08	25.9				
2008012 2	1/22/08	6.5				
2008012 5	1/25/08	17.5				
2008012 8	1/28/08	19.5				
2008013 1	1/31/08		AG	Y		Sample time out of limits- filter did not run the required time; Elapsed sample time out of spec
2008020 3	2/3/08	23.5				
2008020 6	2/6/08		AG	Y		Sample time out of limits- filter did not run the required time; Elapsed sample time out of spec
2008020 9	2/9/08	40.4				
2008021 5	2/15/08	8.1				
2008021 8	2/18/08	12.7				
2008022 1	2/21/08	7.1				
2008022 4	2/24/08	7.2				
2008022 7	2/27/08	17.4				
2008030 1	3/1/08	5.0				
2008030 4	3/4/08	23.4				
2008030 7	3/7/08	5.0				
2008031 3	3/13/08	9.7				
2008031 6	3/16/08	2.8				



2008031 9	3/19/0 8	5.3				
2008032 2	3/22/0 8	9.0				
2008032 5	3/25/0 8	5.2				
2008032 8	3/28/0 8	7.2				
2008033 1	3/31/0 8	5.2				
2008040 3	4/3/08	5.5				
2008040 6	4/6/08	5.7				
2008040 9	4/9/08	6.9				
2008041 2	4/12/0 8	7.0				
2008041 5	4/15/0 8	4.8				
2008041 8	4/18/0 8	8.6				
2008042 1	4/21/0 8	14.4				
2008042 4	4/24/0 8	10.0				
2008042 7	4/27/0 8	2.7				
2008043 0	4/30/0 8	3.2				
2008050 3	5/3/08	2.9				
2008050 6	5/6/08	3.8				
2008050 9	5/9/08	3.7				
2008051 2	5/12/0 8	2.8				
2008051 5	5/15/0 8	2.1				
2008051 8	5/18/0 8	2.2				
2008052 1	5/21/0 8	2.2				
2008052 4	5/24/0 8	3.6				

2008052 7	5/27/0 8	2.5				
2008053 0	5/30/0 8	2.3				
2008060 2	6/2/08	5.1				
2008060 5	6/5/08	1.6				
2008060 8	6/8/08	2.9				
2008061 1	6/11/0 8	3.6				
2008061 4	6/14/0 8	3.2				
2008061 7	6/17/0 8	2.4				
2008062 0	6/20/0 8	3.8				
2008062 3	6/23/0 8	2.1				
2008062 6	6/26/0 8	3.1				
2008062 9	6/29/0 8	1.1				
2008070 2	7/2/08	2.4				
2008070 5	7/5/08	6.4				
2008070 8	7/8/08	3.0				
2008071 1	7/11/0 8	8.1				
2008071 4	7/14/0 8	2.1				
2008071 7	7/17/0 8	2.7				
2008072 0	7/20/0 8	1.0				
2008072 3	7/23/0 8	2.1				
2008072 6	7/26/0 8	2.4				
2008072 9	7/29/0 8	1.5				
2008080 1	8/1/08	2.7				

2008080 4	8/4/08	3.1				
2008080 7	8/7/08	2.1				
2008081 0	8/10/0 8	1.0				
2008081 3	8/13/0 8	1.8				
2008081 6	8/16/0 8	2.7				
2008081 9	8/19/0 8	2.3				
2008082 2	8/22/0 8	2.5				
2008082 5	8/25/0 8	3.1				
2008082 8	8/28/0 8	3.1				
2008083 1	8/31/0 8	4.0				
2008090 3	9/3/08	4.6				
2008090 6	9/6/08	3.5				
2008090 9	9/9/08	5.0				
2008091 2	9/12/0 8	2.8				
2008091 5	9/15/0 8	2.4				
2008091 8	9/18/0 8	7.1				
2008092 1	9/21/0 8	4.5				
2008092 4	9/24/0 8	7.8				
2008092 7	9/27/0 8	3.8				
2008093 0	9/30/0 8	4.2				
2008100 3	10/3/0 8	1.4				
2008100 6	10/6/0 8	4.0				
2008100 9	10/9/0 8	5.7				

2008101 2	10/12/ 08	0.8				
2008101 5	10/15/ 08	7.6				
2008101 8	10/18/ 08	17.6				
2008102 1	10/21/ 08	6.1				
2008102 4	10/24/ 08	4.6				
2008102 7	10/27/ 08	9.3				
2008103 0	10/30/ 08	32.6				
2008110 2	11/2/0 8	15.5				
2008110 5	11/5/0 8	40.4				
2008110 8	11/8/0 8	37.0				
2008111 1	11/11/ 08	27.4				
2008111 4	11/14/ 08	50.7				
2008111 7	11/17/ 08	20.0				
2008112 0	11/20/ 08	17.5				
2008112 3	11/23/ 08	23.6				
2008112 6	11/26/ 08	21.7				
2008112 9	11/29/ 08	14.6				
2008120 2	12/2/0 8	46.7				
2008120 5	12/5/0 8	27.1				
2008120 8	12/8/0 8	26.5				
2008121 1	12/11/ 08	18.8				
2008121 4	12/14/ 08	38.3				
2008121 7	12/17/ 08	34.0				

20081220	12/20/08	25.7				
20081223	12/23/08	29.1				
20081226	12/26/08	16.3				
20081229	12/29/08	114.5		3	Y	Field Issue. Elapsed sample time out of spec. Because this is an exceedance, concentration <b>will be</b> used for calculation of compliance with the NAAQS
20090101	1/1/09	27.7		X		Filter temperature difference out of spec. Concentration is included in NAAQS compliance calculations
20090104	1/4/09	39.0		X		Filter temperature difference out of spec. Concentration is included in NAAQS compliance calculations
20090107	1/7/09	59.0		X		Filter temperature difference out of spec. Concentration is included in NAAQS compliance calculations
20090110	1/10/09	52.7		X		Filter temperature difference out of spec. Concentration is included in NAAQS compliance calculations
20090113	1/13/09	29.1				
20090116	1/16/09	2.5				
20090119	1/19/09	10.5				
20090122	1/22/09	5.3				
20090125	1/25/09	26.2				
20090128	1/28/09		AJ			Filter damage
20090131	1/31/09	13.5				
20090203	2/3/09	19.9		X		Filter temperature difference out of spec. Concentration is included in NAAQS compliance calculations
20090206	2/6/09	28.5				
20090209	2/9/09	11.5				
20090212	2/12/09	16.8				
20090215	2/15/09	28.0				

2009021 8	2/18/0 9	22.5				
2009022 1	2/21/0 9	15.5				
2009022 4	2/24/0 9	19.8				
2009022 7	2/27/0 9	7.8				
2009030 2	3/2/09	16.2				
2009030 5	3/5/09	5.7				
2009030 8	3/8/09	9.5				
2009031 1	3/11/0 9	15.5				
2009031 4	3/14/0 9	13.8				
2009031 7	3/17/0 9	9.1				
2009032 0	3/20/0 9	5.0				
2009032 3	3/23/0 9	9.2				
2009032 6	3/26/0 9	4.5				
2009032 9	3/29/0 9	9.7				
2009040 1	4/1/09	9.5				
2009040 4	4/4/09	6.6				
2009040 7	4/7/09	10.1				
2009041 0	4/10/0 9	7.2				
2009041 3	4/13/0 9	4.8				
2009041 6	4/16/0 9	6.0				
2009041 9	4/19/0 9	7.5				
2009042 2	4/22/0 9	8.5				
2009042 5	4/25/0 9	3.2				

20090428	4/28/09	5.6				
20090501	5/1/09	8.8				
20090504	5/4/09	7.1				
20090507	5/7/09		AF			Filter scheduled but not collected
20090510	5/10/09	3.2				
20090513	5/13/09	4.7				
20090516	5/16/09	3.0				
20090519	5/19/09	6.6				
20090522	5/22/09	6.6				
20090525	5/25/09		AF			Filter scheduled but not collected
20090528	5/28/09	3.2				
20090531	5/31/09	4.2				
20090603	6/3/09	8.5				
20090606	6/6/09	3.9				
20090609	6/9/09	19.5		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from attainment calculations
20090612	6/12/09	9.9				
20090615	6/15/09	5.0				
20090618	6/18/09	6.6				
20090621	6/21/09	3.7				
20090624	6/24/09	3.4				
20090627	6/27/09	3.1				
20090630	6/30/09	4.1				
20090703	7/3/09	8.0				

20090706	7/6/09	44.1		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from NAAQS compliance calculations
20090709	7/9/09	19.3		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from NAAQS compliance calculations
20090712	7/12/09	8.4		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20090715	7/15/09	75.3		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from NAAQS compliance calculations
20090718	7/18/09	10.3				
20090721	7/21/09	7.7				
20090724	7/24/09	17.7		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from NAAQS compliance calculations
20090727	7/27/09	25.6		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from NAAQS compliance calculations
20090730	7/30/09	159.5		RT	Y	Elapsed sample time out of spec; Because this is an exceedance, data point <b>will be</b> used for calculation of compliance with the NAAQS; Wildfire - US, data point impacted by wildfire; requesting EPA exclude exception event from NAAQS compliance calculations
20090802	8/2/09	89.7		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from NAAQS compliance calculations
20090805	8/5/09	127.7		RT	Y	Elapsed sample time out of spec; Because this is an exceedance, data point <b>will be</b> used for calculation of compliance with the NAAQS; Wildfire - US, data point impacted by wildfire; requesting EPA exclude exception event from NAAQS compliance calculations
20090808	8/8/09	61.0		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from NAAQS compliance calculations
20090811	8/11/09	3.2				
20090814	8/14/09	5.1				
20090817	8/17/09	4.7				



2009082 0	8/20/0 9	3.5				
2009082 3	8/23/0 9	4.1				
2009082 6	8/26/0 9	4.4				
2009082 9	8/29/0 9	4.1				
2009090 1	9/1/09	2.6				
2009090 4	9/4/09	6.4				
2009090 7	9/7/09	5.0				
2009091 0	9/10/0 9	4.0				
2009091 3	9/13/0 9	3.4				
2009091 6	9/16/0 9	3.2				
2009091 9	9/19/0 9	1.2				
2009092 2	9/22/0 9	2.0				
2009092 5	9/25/0 9	2.2				
2009092 8	9/28/0 9	2.2				
2009100 1	10/1/0 9	3.7				
2009100 4	10/4/0 9	9.3				
2009100 7	10/7/0 9	1.6				
2009101 0	10/10/ 09	9.7				
2009101 3	10/13/ 09	13.5				
2009101 6	10/16/ 09	15.5				
2009101 9	10/19/ 09	10.9				
2009102 2	10/22/ 09	17.2				
2009102 5	10/25/ 09	20.4				

20091028	10/28/09	7.7				
20091031	10/31/09	4.0				
20091103	11/3/09	14.6				
20091106	11/6/09	5.5				
20091109	11/9/09	14.2				
20091112	11/12/09	4.4				
20091115	11/15/09	17.0				
20091118	11/18/09		AM	X		Miscellaneous void; Filter temperature difference out of spec
20091121	11/21/09	26.2				
20091124	11/24/09	35.3				
20091127	11/27/09	21.3				
20091130	11/30/09	14.3				
20091203	12/3/09	9.1				
20091206	12/6/09	25.1				
20091209	12/9/09	51.0				
20091212	12/12/09	40.8				
20091215	12/15/09	6.5				
20091218	12/18/09	4.0				
20091221	12/21/09	41.5				
20091224	12/24/09	0.6				
20091227	12/27/09	25.2				
20091230	12/30/09	43.1				
20100102	1/2/10	51.8				

2010010 5	1/5/10	51.8				
2010010 8	1/8/10	44.4				
2010011 1	1/11/1 0	36.9				
2010011 4	1/14/1 0		AJ	X		Filter damage; Filter temperature difference out of spec
2010011 7	1/17/1 0	17.1				
2010012 0	1/20/1 0	38.1				
2010012 6	1/26/1 0	83.2				
2010012 9	1/29/1 0	27.4				
2010020 1	2/1/10	28.8		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2010020 4	2/4/10	31.5				
2010020 7	2/7/10	14.5				
2010021 0	2/10/1 0	22.6				
2010021 3	2/13/1 0	30.9				
2010021 6	2/16/1 0	26.0				
2010021 9	2/19/1 0	22.3				
2010022 2	2/22/1 0	12.6				
2010022 5	2/25/1 0	3.3				
2010022 8	2/28/1 0	9.5				
2010030 3	3/3/10	21.1				
2010030 6	3/6/10	3.9				
2010030 9	3/9/10	2.9				
2010031 2	3/12/1 0	8.9				
2010031 5	3/15/1 0	8.2				

20100318	3/18/10	12.8				
20100321	3/21/10	9.1				
20100324	3/24/10	3.2				
20100327	3/27/10	5.9				
20100330	3/30/10	5.8				
20100402	4/2/10	4.7				
20100405	4/5/10	8.4				
20100408	4/8/10	2.8				
20100411	4/11/10	5.5				
20100414	4/14/10	4.0				
20100417	4/17/10	4.3				
20100420	4/20/10	2.6				
20100423	4/23/10	4.1				
20100426	4/26/10	3.6				
20100429	4/29/10	6.6				
20100502	5/2/10	2.2				
20100505	5/5/10	3.3		2		Operational deviation; usually a filter holding time issue; Concentration is included in NAAQS compliance calculations
20100508	5/8/10	4.9		2		Operational deviation; usually a filter holding time issue; Concentration is included in NAAQS compliance calculations
20100511	5/11/10	3.8				
20100514	5/14/10	4.0				
20100517	5/17/10	3.0				
20100520	5/20/10	2.9				

20100523	5/23/10	9.9				
20100526	5/26/10	4.8				
20100529	5/29/10	21.8		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from attainment calculations
20100601	6/1/10	23.4		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from attainment calculations
20100607	6/7/10	9.8				
20100610	6/10/10	4.8		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20100613	6/13/10	3.2				
20100619	6/19/10	9.2		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20100622	6/22/10	5.1		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20100625	6/25/10	8.0				
20100701	7/1/10	5.7				
20100704	7/4/10	3.6				
20100707	7/7/10	2.6				
20100710	7/10/10	4.9				
20100713	7/13/10	44.5		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from attainment calculations
20100716	7/16/10	21.3		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from attainment calculations
20100719	7/19/10	4.8				
20100722	7/22/10	2.0				
20100725	7/25/10	3.2				
20100728	7/28/10	4.0		1		Deviation from CFR/Critical Criteria Requirement; usually a filter holding issue;

						Concentration is included in NAAQS compliance calculations
2010073 1	7/31/1 0	5.7		1		Deviation from CFR/Critical Criteria Requirement; usually a filter holding issue; Concentration is included in NAAQS compliance calculations
2010080 3	8/3/10	10.1		1		Deviation from CFR/Critical Criteria Requirement; usually a filter holding issue; Concentration is included in NAAQS compliance calculations
2010080 6	8/6/10	5.2				
2010080 9	8/9/10	3.1				
2010081 2	8/12/1 0	10.9				
2010081 5	8/15/1 0	2.0				
2010081 8	8/18/1 0	1.3				
2010082 1	8/21/1 0	5.0				
2010082 4	8/24/1 0	5.6				
2010082 7	8/27/1 0	5.0				
2010083 0	8/30/1 0	2.7				
2010090 2	9/2/10	5.1				
2010090 5	9/5/10	4.0				
2010090 8	9/8/10	1.8		1		Deviation from CFR/Critical Criteria Requirement; usually a filter holding issue; Concentration is included in NAAQS compliance calculations
2010091 1	9/11/1 0	5.5				
2010091 4	9/14/1 0	8.0				
2010091 7	9/17/1 0	10.4				
2010092 0	9/20/1 0	7.1				
2010092 3	9/23/1 0	1.6				

2010092 6	9/26/1 0	5.5				
2010092 9	9/29/1 0	8.2				
2010100 2	10/2/1 0	9.6				
2010100 5	10/5/1 0	8.8				
2010100 8	10/8/1 0	9.5				
2010101 1	10/11/ 10	10.8				
2010101 4	10/14/ 10	5.3				
2010101 7	10/17/ 10	9.2				
2010102 0	10/20/ 10	17.0				
2010102 3	10/23/ 10	6.6				
2010102 6	10/26/ 10	9.3				
2010102 9	10/29/ 10	4.8				
2010110 1	11/1/1 0	14.5				
2010110 4	11/4/1 0	3.5				
2010110 7	11/7/1 0	9.6				
2010111 0	11/10/ 10	9.2				
2010111 3	11/13/ 10	8.0				
2010111 6	11/16/ 10	22.7				
2010111 9	11/19/ 10	18.8				
2010112 2	11/22/ 10	11.6				
2010112 5	11/25/ 10	2.2				
2010112 8	11/28/ 10	14.6				
2010120 1	12/1/1 0	41.2		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations

20101204	12/4/10	6.7				
20101207	12/7/10	36.9		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20101210	12/10/10	25.2				
20101213	12/13/10	15.3				
20101216	12/16/10	57.1				
20101219	12/19/10	36.7				
20101222	12/22/10	30.2				
20101225	12/25/10	25.6				
20101228	12/28/10	7.1				
20101231	12/31/10	9.0				
20110103	1/3/11	23.4				
20110106	1/6/11	10.5				
20110109	1/9/11	24.9				
20110112	1/12/11	34.9				
20110115	1/15/11	28.5				
20110118	1/18/11	38.0				
20110121	1/21/11	28.8				
20110124	1/24/11	13.9				
20110127	1/27/11	18.4				
20110130	1/30/11	28.9				
20110202	2/2/11	21.3				
20110205	2/5/11	36.0				
20110208	2/8/11	32.2				



2011021 1	2/11/1 1	6.4				
2011021 4	2/14/1 1	2.3				
2011021 7	2/17/1 1	28.5				
2011022 0	2/20/1 1	15.8				
2011022 3	2/23/1 1	23.7				
2011022 6	2/26/1 1	10.0				
2011030 1	3/1/11	42.6		1		Deviation from CFR/Critical Criteria Requirement; usually a filter holding issue; Concentration is included in NAAQS compliance calculations
2011030 4	3/4/11	18.8				
2011030 7	3/7/11	17.1				
2011031 0	3/10/1 1	13.6				
2011031 3	3/13/1 1	12.7				
2011031 6	3/16/1 1	11.9				
2011031 9	3/19/1 1	14.9				
2011032 2	3/22/1 1	14.3				
2011032 5	3/25/1 1	8.4				
2011032 8	3/28/1 1	3.0				
2011033 1	3/31/1 1	5.2				
2011040 3	4/3/11	7.3				
2011040 6	4/6/11	4.7				
2011040 9	4/9/11	4.0				
2011041 2	4/12/1 1	4.3				
2011041 5	4/15/1 1	6.9				

2011041 8	4/18/1 1	5.1				
2011042 1	4/21/1 1	4.7				
2011042 4	4/24/1 1	4.8				
2011042 7	4/27/1 1	2.8				
2011043 0	4/30/1 1	4.7				
2011050 3	5/3/11	3.3				
2011050 6	5/6/11	4.1				
2011050 9	5/9/11	5.1				
2011051 2	5/12/1 1	3.0				
2011051 5	5/15/1 1	4.7				
2011051 8	5/18/1 1	4.7				
2011052 1	5/21/1 1	5.5				
2011052 4	5/24/1 1	5.0				
2011052 7	5/27/1 1	8.7				
2011053 0	5/30/1 1	11.6				
2011060 2	6/2/11	3.7				
2011060 5	6/5/11	2.8				
2011060 8	6/8/11	22.4				
2011061 1	6/11/1 1	3.2				
2011061 4	6/14/1 1	1.7				
2011061 7	6/17/1 1	3.1				
2011062 0	6/20/1 1	3.5				
2011062 3	6/23/1 1	2.1				

2011062 6	6/26/1 1	4.5				
2011062 9	6/29/1 1	2.5				
2011070 2	7/2/11	2.9				
2011070 5	7/5/11	2.1				
2011070 8	7/8/11	4.2				
2011071 1	7/11/1 1	3.2				
2011071 4	7/14/1 1	3.0				
2011071 7	7/17/1 1	2.6				
2011072 0	7/20/1 1	2.6				
2011072 3	7/23/1 1	4.3				
2011072 6	7/26/1 1	3.7				
2011072 9	7/29/1 1	3.2				
2011080 1	8/1/11	2.2				
2011080 4	8/4/11	3.0				
2011080 7	8/7/11	1.7				
2011081 0	8/10/1 1	1.0				
2011081 3	8/13/1 1	2.2				
2011081 6	8/16/1 1	1.4				
2011081 9	8/19/1 1	1.6				
2011082 2	8/22/1 1	2.7				
2011082 5	8/25/1 1	4.0				
2011082 8	8/28/1 1	3.6				
2011083 1	8/31/1 1	3.5				

2011090 3	9/3/11	3.3				
2011090 6	9/6/11	1.6				
2011090 9	9/9/11	2.7				
2011091 2	9/12/1 1	4.6				
2011091 5	9/15/1 1	3.5		2		Operational deviation; usually a filter holding time issue; Concentration is included in NAAQS compliance calculations
2011091 8	9/18/1 1	4.0				
2011092 1	9/21/1 1	3.7				
2011092 4	9/24/1 1	1.6				
2011092 7	9/27/1 1	3.6				
2011093 0	9/30/1 1	7.7				
2011100 3	10/3/1 1	7.2				
2011100 6	10/6/1 1	9.7				
2011100 9	10/9/1 1	3.8				
2011101 2	10/12/ 11	6.8		2		Operational deviation; usually a filter holding time issue; Concentration is included in NAAQS compliance calculations
2011101 5	10/15/ 11	8.5		2		Operational deviation; usually a filter holding time issue; Concentration is included in NAAQS compliance calculations
2011101 8	10/18/ 11	3.0				
2011102 1	10/21/ 11	13.7				
2011102 4	10/24/ 11	15.4				
2011102 7	10/27/ 11	11.5				
2011103 0	10/30/ 11	7.0				
2011110 2	11/2/1 1	11.0				

20111105	11/5/11	5.4		2		Operational deviation; usually a filter holding time issue; Concentration is included in NAAQS compliance calculations
20111108	11/8/11	9.7				
20111111	11/11/11	8.6				
20111114	11/14/11	25.2				
20111117	11/17/11	33.5				
20111120	11/20/11	41.0				
20111123	11/23/11	12.2				
20111126	11/26/11	23.2				
20111129	11/29/11	24.2				
20111202	12/2/11	13.3				
20111205	12/5/11	4.4				
20111208	12/8/11	25.6				
20111211	12/11/11	11.6				
20111214	12/14/11	24.8				
20111217	12/17/11	34.7		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20111220	12/20/11	11.3		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20111223	12/23/11	5.5				
20111226	12/26/11	23.5				
20111229	12/29/11	31.0				
20120101	1/1/12	21.0		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
20120104	1/4/12	12.5		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations

2012010 7	1/7/12	14.3		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2012011 0	1/10/1 2	20.2		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2012011 3	1/13/1 2	23.0		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2012011 6	1/16/1 2	28.8		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2012011 9	1/19/1 2	34.7		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2012012 2	1/22/1 2	2.4				
2012012 5	1/25/1 2	8.5		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2012012 8	1/28/1 2	38.2		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2012013 1	1/31/1 2	19.1		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2012020 3	2/3/12	6.4				
2012020 6	2/6/12	22.8				
2012020 9	2/9/12	15.6				
2012021 2	2/12/1 2	15.7				
2012021 5	2/15/1 2	25.7				
2012021 8	2/18/1 2	24.0				
2012022 1	2/21/1 2	15.4				
2012022 4	2/24/1 2	4.1				
2012022 7	2/27/1 2	2.7				
2012030 1	3/1/12	8.7				

2012030 4	3/4/12	12.7				
2012030 7	3/7/12	6.4				
2012031 0	3/10/1 2	9.0		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2012031 3	3/13/1 2	12.7				
2012031 6	3/16/1 2	15.4				
2012031 9	3/19/1 2	10.4		X		Filter temperature difference out of spec; Concentration is included in NAAQS compliance calculations
2012032 2	3/22/1 2	12.2				
2012032 5	3/25/1 2	10.6				
2012032 8	3/28/1 2	7.4				
2012040 3	4/3/12	6.1				
2012040 6	4/6/12	3.5				
2012040 9	4/9/12		AN		Y	Machine malfunction; Elapsed time out of spec
2012041 2	4/12/1 2	7.0				
2012041 8	4/18/1 2	5.7				
2012042 1	4/21/1 2	4.2				
2012042 4	4/24/1 2	3.3				
2012042 7	4/27/1 2	4.4				
2012043 0	4/30/1 2	3.6				
2012050 3	5/3/12	4.5				
2012050 6	5/6/12	3.3				
2012050 9	5/9/12	2.5				
2012051 2	5/12/1 2	2.6				

2012051 5	5/15/1 2	1.7				
2012051 8	5/18/1 2	2.7				
2012052 1	5/21/1 2	3.2				
2012052 4	5/24/1 2	3.0				
2012052 7	5/27/1 2	1.2				
2012053 0	5/30/1 2	2.1				
2012060 2	6/2/12	0.1				
2012060 5	6/5/12	0.1				
2012060 8	6/8/12	0.2				
2012061 1	6/11/1 2	0.2				
2012061 4	6/14/1 2	2.3				
2012061 7	6/17/1 2	0.2				
2012062 0	6/20/1 2	0.2				
2012062 3	6/23/1 2	0.1				
2012062 6	6/26/1 2	0.0				
2012062 9	6/29/1 2	0.0				
2012070 2	7/2/12	3.5				
2012070 5	7/5/12	2.2				
2012070 8	7/8/12	0.9				
2012071 1	7/11/1 2	0.0				
2012071 4	7/14/1 2	0.2				
2012071 7	7/17/1 2		AQ			Collection Error
2012072 0	7/20/1 2	0.0				



2012072 3	7/23/1 2		AQ			Collection Error
2012072 6	7/26/1 2	0.1				
2012072 9	7/29/1 2	3.6				
2012080 1	8/1/12	3.3				
2012080 4	8/4/12	2.5				
2012080 7	8/7/12	3.0				
2012081 0	8/10/1 2	3.7				
2012081 3	8/13/1 2	6.3				
2012081 6	8/16/1 2	4.1				
2012081 9	8/19/1 2	14.8		RT		Wildfire - US; data point impacted by wildfire; requesting EPA exclude exception event from attainment calculations
2012082 2	8/22/1 2	0.1				
2012082 5	8/25/1 2	2.0				
2012082 8	8/28/1 2	1.7				
2012083 1	8/31/1 2	1.5				
2012090 3	9/3/12	3.5				
2012090 6	9/6/12	1.2				
2012090 9	9/9/12	3.0				
2012091 2	9/12/1 2	4.5				
2012091 5	9/15/1 2	5.3				
2012091 8	9/18/1 2	5.2				
2012092 1	9/21/1 2	3.7				
2012092 4	9/24/1 2	3.5				
2012092 7	9/27/1 2	4.4				

20120930	9/30/12	4.4				
20121003	10/3/12	4.4				
20121006	10/6/12	4.8				
20121009	10/9/12	3.7				
20121012	10/12/12	6.6				
20121018	10/18/12	5.8				
20121021	10/21/12	7.3				
20121024	10/24/12	28.2				
20121027	10/27/12	16.8				
20121030	10/30/12	17.2				
20121102	11/2/12	14.2				
20121105	11/5/12	20.3				
20121108	11/8/12	35.9				
20121111	11/11/12	12.7				
20121114	11/14/12	22.6				
20121117	11/17/12	3.4				
20121120	11/20/12	29.4				
20121123	11/23/12	20.3				
20121126	11/26/12	55.5				
20121129	11/29/12	49.6				
20121202	12/2/12	31.2				
20121205	12/5/12	28.6				
20121208	12/8/12	23.5				

20121211	12/11/12	5.4				
20121214	12/14/12	10.2				
20121217	12/17/12	52.1				
20121220	12/20/12	47.1				
20121223	12/23/12	41.7				
20121226	12/26/12	27.7				
20121229	12/29/12	27.2				