

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **1**

Annual Averages 2000 through 2010

Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Eisenhower Park	2950-10	5.69	5.13	3.92	4.54	4.29	4.16	3.86	3.73	4.72	3.45	2.09
Babylon	5150-02	9.78	xxx									
Holtsville	5151-10	6.76	6.08	5.62	5.84	7.04	7.26	3.74	4.54	4.82	3.81	3.95

Holtsville site (5151-10) was operated by Suffolk County Health Dept until 9/30/10, when NYSDEC commenced monitoring.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 500 PPB more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 140 PPB more than once per calendar year *				
				Observations		Highest Values, PPB			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPB	1st	2nd	3rd	Total	>140 PPB	1st	2nd	3rd
Eisenhower Park	2950-10	8,688	98	2,874	0	20.0 [12/11, 21]	17.0 [01/14, 06]	16.3 [01/16, 24]	363	0	11.2 [12/31]	10.3 [12/10]	9.4 [11/29]
Holtsville	5151-10	7069	81	2,293	0	17.0 [01/14, 06]	16.6 [02/05, 09]	15.6 [01/13, 24]	297	0	11.1 [01/14]	11.0 [01/11]	10.9 [12/18]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **1**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed 15 $\mu\text{g}/\text{m}^3$ * ;

And average of 98th percentile for last 3 years not to exceed 35 $\mu\text{g}/\text{m}^3$ * , *changed* from 65 $\mu\text{g}/\text{m}^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
Eisenhower Park(T)	2950-10	355	33.4 [12/30]	29.6 [06/27]	29.5 [07/05]	26.4	26.7	29.8	28	10.8	9.1	9.7	8.4	9.5	9.7	11.2	10.1
Hempstead (F)	2950-18	110	30.5 [12/31]	25.6 [01/14]	20.2 [01/17]	20.2	25.8	29.2	25	9.3	9.6	8.7	7.2	8.7	9.0	10.9	9.5
Babylon (F)	5150-01	115	35.4 [12/31]	31.8 [07/04]	26.1 [01/14]	26.1	21.6	26.8	25	7.8	9.1	9.2	7.7	8.5	8.1	10.1	8.9

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **1**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Babylon	5150-02	.023	.023	.024	.025	.024	.024	.024	.026	.026	.027	.029
Holtsville	5151-10	--	--	--	--	--	--	.030	.032	.031	.028	.032
Riverhead	5155-01	.034	.030	.033	.030	(.029)	.035	.039	.034	.034	.035	.035

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
Babylon	5150-02	8,289	95	1	.126 + [07/05, 17]	.109 [07/06, 16]	.107 [05/01, 16]	.097 [07/17, 13]	.083 [06/10]	.079 [08/10]	.085 [07/04]	.082 +
Holtsville (Operated 03/10-11/09)	5151-10	5,323	93	0	.116 [07/05, 17]	.098 [05/01, 17]	.097 [07/17, 13]	.095 [06/26, 14]	.083 [06/10]	.074 [04/26]	.080 [06/04]	.079 +
Riverhead (Operated 03/16-11/09)	5155-01	5,694	97	0	.105 [07/05, 19]	.098 [05/01, 16]	.097 [06/24, 12]	.091 [06/04, 16]	.083 [07/21]	.071 [09/05]	.075 [06/05]	.076 +

Due to EPA Waiver for SLAMS (Non-NAMS), % Availability may be based on operational year of less than 12 months (Holtsville, Riverhead)

(Annual Means in parentheses are based on less than 75% available data)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region **1**

Annual Averages 2000 through 2010

Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Eisenhower Park	2950-10	.028	.029	.024	.023	(.018)	.018	.019	.015	.015	.012	.011

Nitrogen Dioxide - Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 0.05 PPM *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Eisenhower Park	2950-10	.024	.024	.022	.021	(.019)	.020	.018	.018	.017	.016	.028

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1st	2nd	3rd	Total	% Avail	1st	2nd	3rd
Eisenhower Park	2950-10	7,796	89	.461 [12/11, 08]	.400 [03/18, 06]	.390 [03/25, 06]	7,795	89	.096 [03/17, 08]	.074 [12/11, 08]	.063 [12/30, 08]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **2**

Annual Averages 2000 through 2010

Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
PS 59	7093-10	12.73	12.46	12.36	(13.89)	(10.19)	11.18	9.65	9.75	(10.81)	xxx	xxx
Botanical Garden (Harding Lab/Pfizer Lab)	7094-06 / 7094-10	(8.88)	10.30	8.53	8.64	8.70	9.33	6.65	6.67	5.96	5.32	4.83
IS 52	7094-07	11.43	(13.18)	10.01	10.62	10.27	10.91	8.83	7.86	6.58	6.33	(6.22)
Queensboro Comm. College	7096-08	6.47	6.99	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Queens College 2	7096-15	---	(7.24)	6.40	6.94	5.48	6.48	5.24	4.89	4.02	3.41	2.83

Sampling was suspended at 7094-07 on 06/24/10 due to building construction

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 500 PPB more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 140 PPB more than once per calendar year *				
				Observations		Highest Values, PPB			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPM	1st	2nd	3rd	Total	>140 PPM	1st	2nd	3rd
Botanical Garden (Pfizer Lab)	7094-10	8,738	100	2,904	0	46.3 [12/30, 08]	41.4 [03/19, 08]	39.6 [03/17, 08]	365	0	25.9 [12/30]	23.6 [01/14]	23.6 [12/31]
IS 52	7094-07	4,115	98	1,352	0	33.0 [01/14, 08]	31.6 [03/17, 08]	31.0 [01/15, 08]	174	0	23.3 [01/14]	17.0 [01/15]	16.3 [02/28]
Queens College 2	7096-15	8,570	98	2,811	0	25.8 [03/18, 08]	24.8 [01/15, 08]	22.3 [12/30, 11]	362	0	15.6 [12/30]	15.2 [01/14]	14.9 [12/31]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (PM10) - Wedding Sampler or R&P Model 2025 Sampler

NYSDEC Region **2**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ug/m3)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	3 Yr Exp Val
PS 59 (R&P)	7093-10	--	--	--	--	--	--	23	25	(26)	xx	xx	xx
Madison Ave (R&P)	7093-12	--	--	--	--	--	--	--	--	35	33	30	33
PS 19 (R&P)	7093-21	--	--	--	--	--	--	--	--	--	20	20	xx
Division Street (R&P)	7093-24	--	--	--	--	--	--	--	25	24	21	21	22
Canal Street (R&P)	8100-02	--	--	26	26	24	26	23	(27)	xx	xx	xx	xx
IS 52 (W, R&P)	7094-07	21 ^W	(21) ^W	21 ^W	22 ^W	18 ^W	xx	xx	22 ^{R&P}	21 ^{R&P}	19 ^{R&P}	(19) ^{R&P}	20
Morrisania (R&P)	7094-05	--	--	--	--	--	--	--	--	--	--	(18)	xx
JHS 126 (W)	7095-43	--	20	21	20	17	xx	xx	xx	xx	xx	xx	xx
Queens College 2(R&P)	7096-15	--	--	--	--	--	--	(20)	20	20	17	17	18
Susan Wagner (W)	7097-01	19	16	17	16	13	xx	xx	xx	xx	xx	xx	xx

Lab results not received for Wedding samplers for 2005. Sampling terminated at Wedding Samplers on 12/31/2005. Sampling at 7093-10 commenced on 01/01/06 and at 7096-15 on 07/01/06. Sampling at 8100-02 terminated on 03/31/07 and at 7093-10 on 6/30/08. Sampling was suspended at 7094-07 on 06/24/10 due to building construction and moved to 7094-05. Sampling terminated at 7093-12 on 12/31/10.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		24-Hour Concentrations - ug/m3							# of Days > 150 ug/m3 - Not to exceed an expected avg of one per year during the last 3 years *						
		Maximum		2nd Max.		3rd Max.		2008		2009		2010			
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
Madison Ave	7093-12	107	57	12/31	52	03/18	50	09/02	-	---	0	0.0	0	0.0	0.0
PS 19	7093-21	113	55	12/31	44	01/14	41	05/11	-	---	-	---	0	0.0	0.0
Division Street (R&P)	7093-24	121	56	12/31	43	01/14	41	09/02	0	0.0	0	0.0	0	0.0	0.0
IS 52 (R&P)	7094-07	27	51	01/14	35	04/08	33	05/02	0	0.0	0	0.0	0	0.0	0.0
Morrisania (R&P)	7094-05	32	35	07/07	32	10/11	30	11/22	0	0.0	0	0.0	0	0.0	0.0
Queens College 2(R&P)	7096-15	340	54	12/31	50	12/30	41	09/01	0	0.0	0	0.0	0	0.0	0.0

(Annual Means in parentheses are based on less than 75% available data)

* Federal Ambient Air Quality Standard

W=Wedding Sampler

R&P=R&P Model 2025 Sampler

Mea=Measured

Est=Estimated

+ Denotes a contravention of Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **2**
(Manhattan Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed 15 $\mu\text{g}/\text{m}^3$ *; and average of 98th percentile for last 3 years not to exceed 35 $\mu\text{g}/\text{m}^3$ *, changed from 65 $\mu\text{g}/\text{m}^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
JHS 45 (F)	7093-08	114	37.6 [12/31]	28.0 [01/14]	25.2 [09/02]	25.2	28.8	32.3	29	9.2	10.5	10.2	8.9	9.7	10.5	12.4	10.9
IS 143 (T)	7093-15	353	34.5 [12/31]	32.3 [12/30]	31.1 [06/27]	28.6	29.8	30.8	30	15.1	10.9	11.3	12.6	12.5	12.5	12.3	12.4
Manhattanville PO (T)	7093-17	362	30.7 [12/31]	27.9 [06/27]	27.9 [12/30]	25.3	25.0	31.1	27	11.7	9.3	9.3	8.9	9.8	10.4	12.1	10.8
Park Row (T) (WTC)	7093-18	344	31.5 [12/31]	30.0 [06/27]	29.9 [12/30]	25.7	24.0	30.0	27	10.6	9.7	10.6	9.1	10.0	10.0	11.9	10.6
PS 19 (F)	7093-21	118	40.3 [12/31]	29.0 [01/14]	25.4 [07/07]	25.4	29.0	(25.7)	27	12.2	11.3	11.2	11.2	11.5	12.0	(13.1)	12.2
PS 19 (T)	7093-21	351	31.5 [12/31]	30.8 [06/27]	30.2 [08/10]	25.3	25.9	(30.3)	27	12.5	9.9	10.7	10.5	10.9	11.2	(12.3)	11.5
Division St (F)	7093-24	115	41.0 [12/31]	28.4 [01/14]	27.0 [07/07]	27.0	29.0	31.8	29	11.5	12.1	11.9	10.4	11.5	11.6	13.2	12.1
Division St (T)	7093-24	350	30.7 [04/06]	30.3 [06/27]	30.1 [12/31]	26.9	25.2	31.3	28	11.4	10.3	10.6	9.0	10.3	10.8	12.5	11.2
CCNY (T)	7093-25	326	29.5 [12/31]	28.6 [08/10]	28.4 [06/27]	26.4	25.9	28.8	27	11.9	9.4	10.6	9.0	10.2	10.8	11.9	11.0

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **2**
(Bronx Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed 15 $\mu\text{g}/\text{m}^3$ *;
and average of 98th percentile for last 3 years not to exceed 35 $\mu\text{g}/\text{m}^3$ *, *changed from 65 $\mu\text{g}/\text{m}^3$ on 12/17/06*)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
Morrisania (F)	7094-05	234	42.6 [12/31]	37.0 [12/30]	34.0 [12/11]	27.0	30.0	31.3	29	12.3	11.1	11.6	10.5	11.4	12.7	13.5	12.5
IS 52 (F)	7094-07	156	35.9 [01/14]	26.6 [04/06]	26.2 [01/01]	(25.4)	30.6	29.9	29	10.5	9.9	---	---	(10.2)	10.8	11.8	10.9
IS 52 (T)	7094-07	153	27.4 [04/06]	25.2 [01/19]	25.2 [05/01]	24.4	28.3	30.5	28	11.9	8.8	---	---	(10.4)	10.5	12.1	11.0
IS 74 (T)	7094-08	356	34.8 [09/01]	31.9 [12/31]	30.0 [09/02]	26.3	28.6	28.7	28	11.9	9.8	10.9	9.7	10.6	10.8	11.7	11.0
PS 154 (T)	7094-09	362	32.9 [12/31]	31.1 [09/02]	30.2 [08/10]	27.0	26.9	31.9	29	11.6	9.9	11.3	10.0	10.7	10.9	12.4	11.3
Botanical Gdn - Pfizer (F)	7094-10	121	42.4 [12/31]	30.5 [01/14]	24.8 [12/19]	24.8	27.4	29.8	27	10.4	10.1	10.0	9.4	10.0	10.0	11.7	10.6

Sampling was suspended at 7094-07 from 06/20/01 to 10/04/01 and again on 06/24/10 due to building construction

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **2**

(Brooklyn, Queens, and Staten Island Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed 15 $\mu\text{g}/\text{m}^3$ *;

and average of 98th percentile for last 3 years not to exceed 35 $\mu\text{g}/\text{m}^3$ *, *changed from 65 $\mu\text{g}/\text{m}^3$ on 12/17/06)*

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
PS 314 (T)	7095-07	358	30.0 [12/30]	29.0 [09/01]	27.7 [06/27]	24.9	25.1	29.0	26	10.5	9.5	10.0	8.1	9.5	10.3	11.7	10.5
JHS 126 (F)	7095-43	113	37.5 [12/31]	27.1 [01/14]	24.8 [09/02]	24.8	26.9	29.4	27	10.0	10.6	9.8	9.2	9.9	10.7	12.0	10.9
IS 293 (T)	7095-44	353	30.8 [12/31]	30.5 [12/30]	29.0 [06/27]	25.8	25.3	28.2	26	10.8	9.6	10.2	8.7	9.8	10.0	11.5	10.4
PS 274 (T)	7095-98	355	29.3 [12/30]	28.6 [12/31]	28.0 [06/27]	25.2	23.9	29.1	26	10.6	9.1	10.2	8.4	9.6	9.7	11.1	10.1
Maspeth Library (T)	7096-13	346	31.9 [12/30]	30.0 [12/31]	28.6 [08/10]	26.3	25.3	30.4	27	11.6	9.8	10.8	9.6	10.5	10.2	11.9	10.9
PS 219 / Queens College 2 (F)	7096-14 / 7096-15	351	39.0 [12/31]	36.9 [12/11]	29.2 [06/27]	25.5	26.7	30.3	28	9.1	9.7	10.5	8.4	9.4	9.6	11.0	10.0
PS 219 / Queens College 2 (T)	7096-14 / 7096-15	357	38.5 [12/31]	36.1 [12/30]	34.3 [06/27]	29.8	23.2	26.7	27	9.4	12.4	14.1	8.7	11.2	8.9	10.5	10.2
Susan Wagner (F)	7097-01	115	23.9 [12/19]	22.2 [01/14]	21.5 [09/02]	21.5	23.0	27.7	24	8.3	9.0	9.0	6.7	8.3	8.5	10.8	9.2
Port Richmond (F)	7097-03	119	37.8 [12/31]	27.3 [01/14]	25.5 [12/19]	25.5	24.6	28.7	26	9.9	9.9	9.9	9.0	9.7	9.8	12.1	10.5
Freshkills West (T)	7097-17	314	28.1 [08/10]	28.0 [07/07]	27.7 [06/27]	25.3	22.6	27.6	25	9.6	8.7	9.7	8.8	9.2	9.2	10.9	9.8
PS 44 (T)	7097-18	356	27.5 [12/30]	27.3 [08/10]	27.3 [09/01]	25.0	22.8	26.9	25	9.5	8.4	9.6	8.7	9.1	8.9	11.1	9.7

PS219 FRM Sampler moved to Queens College 2 on 07/01/06; TEOM sampler moved on 08/21/09.

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region 2

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
PS 59	7093-10	0.9	0.8	0.7	(0.8)	0.7	0.6	0.6	0.6	(0.5)	xx	xx
CCNY	7093-25	---	---	---	---	---	---	---	---	0.4	0.6	0.5
Botanical Gardens	7094-06/7094-10	0.7	0.7	0.7	0.8	0.6	0.6	0.5	0.6	0.5	0.5	0.6
Queensboro Comm Coll	7096-08	0.6	0.5	xx	xx	xx	xx	xx	xx	xx	xx	xx
Queens College 2	7096-15	---	---	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.4

Sampling was terminated at 7096-08 on 12/30/2001 at 7093-10 on 07/01/08; sampling commenced at 7093-25 on 07/09/08.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Average Maximum not to exceed 35 PPM more than once per calendar year *						Running 8-Hour Average (Non-Overlapping) Maximum not to exceed 9 PPM more than once per calendar year *					
		Observations			Highest Values, PPM			Observations			Highest Values, PPM		
Station	Site No.	Total Obs.	% Avail	>35 PPM	1st	2nd	3rd	Total	>9 PPM	1st	2nd	3rd	Days > 9PPM
CCNY	7093-25	8,353	95	0	3.5 [01/08, 10]	2.3 [01/23, 20]	1.9 [01/21, 19]	8,331	0	1.8 [01/11, 01]	1.8 [01/11, 09]	1.7 [01/22, 00]	0
Botanical Gardens (Pfizer Lab)	7094-10	8,753	100	0	2.1 [03/18, 23]	2.0 [03/19, 00]	2.0 [03/25, 06]	8,755	0	1.6 [03/19, 04]	1.5 [02/16, 12]	1.2 [01/01, 13]	0
Queens College 2	7096-15	8,492	97	0	3.4 [11/13, 23]	3.4 [11/14, 00]	3.2 [11/13, 22]	8,507	0	2.7 [11/14, 02]	1.7 [03/19, 07]	1.4 [11/03 09]	0

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS (Note: 9PPM standard is not exceeded unless 8-hour avg > 9.4 PPM)

OZONE - Continuous UV Light Absorption

NYSDEC Region **2**

Bronx, Brooklyn, and Staten Island Sites

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Botanical Gardens / Pfizer Lab	7094-06 / 7094-10	.016	.017	.017	.017	.017	.018	.020	.020	.019	.020	.024
IS 52	7094-07	.015	(.014)	.017	.016	.016	.016	.017	.019	.019	.018	(.022)
Susan Wagner	7097-01	.030	.032	.034	.029	.029	.030	.032	.026	.022	.025	.029

Sampling was suspended at 7094-07 on 06/24/10 due to building construction

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

Station	Site No.	One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations		Highest Values, PPM								
		Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
Botanical Gardens / Pfizer Lab	7094-06 / 7094-10	8,695	99	0	.104 [09/01, 14]	.095 [07/06, 18]	.094 [08/19, 15]	.089 [06/27, 12]	.078 [07/17]	.065 [06/07]	.073 [07/06]	.072
IS 52	7094-07	4,199	47	0	.085 [05/01, 15]	.079 [06/20, 13]	.071 [05/31, 14]	.070 [06/04, 12]	.077 [07/03]	.063 [04/26]	.062 [06/03]	.067
Susan Wagner	7097-01	8,659	99	1	.129 + [07/06, 14]	.109 [07/05, 12]	.102 [08/19, 14]	.096 [05/31, 11]	.064 [07/26]	.078 [05/22]	.085 [07/28]	.075

(Annual Means in parentheses are based on less than 75% available data)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **2**

Manhattan and Queens Sites

Annual Averages 2000 through 2010 Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CCNY	7093-25	---	---	---	---	---	---	---	.019	.018	.017	.023
Queensboro Comm Coll	7096-08	.019	.021	xxx								
College Point P.O.	7096-09	.015	.017	.018	.017	.016	.017	xxx	xxx	xxx	xxx	xxx
Queens College 2	7096-15	---	(.017)	.019	.019	.018	.020	.021	.021	.022	.021	.024

Sampling was commenced at 7096-15 on 07/14/2001 and was terminated at 7096-08 on 12/30/2001 and at 7096-09 on 01/05/06.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
CCNY	7093-25	8,190	93	0	.099 [08/19, 15]	.096 [09/01, 13]	.089 [05/01, 15]	.088 [07/06, 18]	.081 [07/18]	.064 [08/22]	.074 [07/06]	.073
Queens College 2	7096-15	8,328	95	0	.116 [07/06, 15]	.102 [07/05, 16]	.102 [09/01, 14]	.100 [05/01, 10]	.080 [07/19]	.067 [08/03]	.076 [07/04]	.074

(Annual Means in parentheses are based on less than 75% available data)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region **2**

Bronx Sites

Annual Averages 2000 through 2010

Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Botanical Gardens	7094-06/7094-10	.023	.026	.020	.021	.017	.015	.015	.016	.014	.011	.009
IS 52	7094-07	.025	(.027)	.022	.023	.022	.021	.017	.017	.015	.013	(.013)

Nitrogen Dioxide - Annual Arithmetic Mean (ppm) - Primary Standard

(12 month average not to exceed 0.05 PPM *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Botanical Gardens	7094-06/7094-10	.029	.031	.028	.027	.024	.027	.025	.024	.023	.022	.035
IS 52	7094-07	.032	(.032)	.030	.030	.030	.029	.026	.026	.025	.025	(.041)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1st	2nd	3rd	Total	% Avail	1st	2nd	3rd
Botanical Gardens	7094-10	8,710	99	.326 [03/25, 06]	.246 [03/19, 06]	.229 [03/17, 06]	8,710	99	.081 [03/25, 06]	.076 [05/01, 00]	.074 [04/30, 22]
IS 52	7094-07	3,814	91	.482 [04/06, 05]	.299 [03/10, 01]	.293 [03/25, 05]	3,814	91	.098 [04/06, 06]	.087 [03/10, 01]	.081 [03/25, 05]

Sampling was suspended at 7094-07 on 06/24/10 due to building construction

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region **2**
Manhattan and Queens Sites

Annual Averages 2000 through 2010

Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
PS 59	7093-10	.045	.042	.035	(.036)	(.030)	.030	.026	.023	(.024)	xxx	xxx
College Point P.O.	7096-09	.030	.031	.026	.030	.025	.023	xxx	xxx	xxx	xxx	xxx
Queens College 2	7096-15	---	(.026)	.017	.020	.015	.015	.014	.014	.014	.010	.009

Nitrogen Dioxide - Annual Arithmetic Mean (ppm) - Primary Standard(12 month average not to exceed 0.05 PPM *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
PS 59	7093-10	.038	.038	.038	(.038)	(.035)	.036	.034	.034	(.036)	xxx	xxx
College Point P.O.	7096-09	.030	.030	.028	.030	.028	.027	xxx	xxx	xxx	xxx	xxx
Queens College 2	7096-15	---	(.028)	.028	.027	.025	.025	.023	.023	.022	.021	.036

Sampling was terminated at 7096-09 on 01/05/06 and at 7093-10 on 06/30/08.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1st	2nd	3rd	Total	% Avail	1st	2nd	3rd
Queens College 2	7096-15	8,313	95	.546 [12/30, 07]	.498 [03/19, 06]	.472 [12/30, 06]	8,369	96	.108 [03/19, 07]	.095 [12/30, 07]	.088 [03/17, 06]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

LEAD - High Volume Air Samplers (Glass Fiber Filters)

NYSDEC Region 2

Annual Geometric Means (ug/m3) 1999 through 2009

Station	Site No.	1999	2000	2001	2002	2003	2004	2005*	2006	2007	2008	2009
JHS 126	7095-43	--	--	--	--	0.03	0.03	(0.03)	0.02	0.02	0.013	.014
Susan Wagner	7097-01	0.03	0.02	0.02	0.01	0.01	xx	xx	xx	xx	xx	xx

Lab results not received for 7097-01 for 2004 and 2005. Sampling terminated at 7097-01 on 12/31/2005 and terminated at 7095-43 on 12/31/09.

* Only 1st quarter data received from lab in 2005.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2009

		24-Hour Concentrations - ug/m3								QUARTERLY AVERAGES Maximum not to exceed 1.5 ug/m3 *		
				Maximum		2nd Max.		3rd Max.		Highest Values, ug/m3 [Quarter]		
Station	Site No.	Total Obs.	% Avail	Value	Date	Value	Date	Value	Date	1st	2nd	3rd
JHS 126	7095-43	60	98	.027	01/01	.027	02/06	.025	10/22	.019 [1 st]	.012 [3 rd]	.012 [4 th]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

+ Denotes a contravention of NYS/Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **3**

Annual Averages 2000 through 2010

Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Mt. Ninham	3951-01	2.32	2.59	2.16	2.41	2.22	2.18	1.67	1.53	1.33	1.14	0.80
Belleayre Mtn.	5565-03	1.59	1.85	1.64	1.68	1.27	1.38	1.25	1.19	0.90	0.71	0.50

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 500 PPB more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 140 PPB more than once per calendar year *				
				Observations		Highest Values, PPB			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPM	1st	2nd	3rd	Total	>140 PPM	1st	2nd	3rd
Mt. Ninham	3951-01	8,554	98	2,813	0	9.1 [01/06, 02]	8.6 [12/28, 23]	8.1 [01/12, 11]	361	0	4.6 [01/15]	3.8 [02/12]	3.7 [12/28]
Belleayre Mtn.	5565-03	8,653	99	2,845	0	8.8 [01/15, 11]	8.2 [01/15, 08]	7.8 [01/15, 05]	364	0	4.8 [01/15]	3.3 [12/11]	2.9 [01/14]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **3**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed $15 \mu\text{g}/\text{m}^3$ *;
and average of 98th percentile for last 3 years not to exceed $35 \mu\text{g}/\text{m}^3$ *, *changed* from $65 \mu\text{g}/\text{m}^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
Newburgh (F)	3502-04	114	38.5 [12/31]	28.5 [09/02]	26.5 [07/07]	26.5	20.6	26.0	24	6.4	9.0	9.7	7.3	8.1	7.9	9.6	8.5
Newburgh (T)	3502-04	358	30.1 [12/31]	29.9 [09/02]	26.1 [07/07]	22.1	21.7	24.6	23	8.6	7.2	8.3	7.3	7.9	7.9	9.5	8.4
Rockland Co. (T)	4352-02	339	29.5 [12/31]	28.2 [07/07]	27.8 [09/02]	24.6	20.1	--	--	6.8	6.7	8.5	6.4	7.1	(5.8)	--	--
Mamaroneck (F)	5956-01	118	46.5 [12/31]	26.8 [09/02]	26.7 [01/14]	26.7	27.0	30.4	28	8.1	9.4	9.4	8.5	8.9	9.1	11.0	9.7
White Plains (T)	5902-04	365	34.4 [07/07]	28.4 [07/06]	26.5 [07/05]	22.4	21.6	23.4	22	8.0	6.4	8.6	6.6	7.4	7.2	8.6	7.7

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **3**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Valley Central	3527-01	.026	.030	.029	.029	.028	.031	.029	.030	.026	.025	.029
Rockland County	4353-02	---	---	---	---	---	---	---	---	---	.025	.032
White Plains	5902-04	.021	.024	.024	.024	.019	.025	.025	.027	.024	.024	.025

Sampling at 4353-02 commenced on 06/04/09

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
Valley Central	3527-01	8,437	96	0	.097 [05/01, 17]	.095 [09/02, 16]	.083 [08/09, 16]	.081 [07/28, 17]	.080 [07/20]	.066 [05/20]	.075 [07/28]	.073
Rockland County	4353-02	8,515	97	0	.102 [09/02, 12]	.101 [05/01, 15]	.099 [07/12, 15]	.089 [07/07, 18]	---	.065 [06/07]	.076 [07/12]	xxx
White Plains	5902-04	8,429	96	0	.112 [09/01, 15]	.099 [09/02, 13]	.097 [07/12, 14]	.096 [07/16, 13]	.082 [07/19]	.075 [08/15]	.075 [07/07]	.077 +

(Annual Means in parentheses are based on less than 75% available data)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **3**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Millbrook	1328-01	.026	.030	.029	.028	.025	.025	.024	.027	.027	.027	.029
Mt. Ninham	3951-01	.027	.033	0.35	.031	.028	.029	.028	.029	.027	.027	.031
Belleayre Mtn.	5565-03	.032	.035	.036	.036	.034	.035	.034	.034	.030	.032	.035

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
Millbrook	1328-01	8,641	99	0	.101 [09/02, 16]	.097 [08/04, 18]	.096 [05/01, 17]	.092 [07/12, 17]	.081 [04/18]	.068 [05/20]	.076 [08/04]	.075
Mt. Ninham	3951-01	8,592	98	0	.117 [09/22, 21]	.116 [09/02, 15]	.107 [07/12, 15]	.102 [05/01, 16]	.079 [06/13]	.070 [05/21]	.077 [06/19]	.075
Belleayre Mtn.	5565-03	8,606	98	0	.085 [05/31, 18]	.083 [09/24, 21]	.082 [09/07, 22]	.080 [04/08, 15]	.068 [07/20]	.067 [05/20]	.070 [04/02]	.068

(Annual Means in parentheses are based on less than 75% available data)
*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]
+ Denotes a contravention of Federal AAQS

LEAD - High Volume Air Samplers (Glass Fiber Filters)

NYSDEC Region **3**

Annual Geometric Means (ug/m3) 2000 through 2010

Station	Site No.	2000	2001	2002	2003	2004	2005*	2006	2007	2008	2009	2010
Wallkill	3566-02	0.04	0.04	0.05	0.04	(0.05)	0.03	0.02	0.02	0.018	0.016	0.011
Wallkill	3566-09	0.08	0.06	0.07	0.07	(0.05)	0.05	0.02	0.02	0.038	0.027	0.026
Scotchtown	3566-11	0.03	0.03	0.03	0.03	(0.04)	0.01	0.01	0.01	0.005	0.006	0.003

* Only 1st quarter data received from lab in 2005.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		24-Hour Concentrations - ug/m3								QUARTERLY AVERAGES Maximum not to exceed 1.5 ug/m3 *		
				Maximum		2nd Max.		3rd Max.		Highest Values, ug/m3 [Quarter]		
Station	Site No.	Total Obs.	% Avail	Value	Date	Value	Date	Value	Date	1st	2nd	3rd
Wallkill	3566-02	61	100	.212	11/16	.093	08/12	.078	07/07	.037 [3 rd]	.027 [4 th]	.014 [1 st]
Wallkill	3566-09	50	82	.206	03/09	.197	01/02	.195	12/04	.078 [1 st]	.045 [4 th]	.033 [2 nd]
Scotchtown	3566-11	55	90	.016	09/11	.014	03/21	.012	11/16	.005 [4 th]	.005 [3 rd]	.004 [1 st]

(Annual Means in parentheses are based on less than 75% available data)

* Federal Ambient Air Quality Standard

+ Denotes a contravention of NYS/Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **4**

Annual Averages 2000 through 2010

Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Loudonville	0101-33	3.85	4.59	3.96	4.06	4.36	5.15	5.07	2.97	3.61	3.85	2.33
Schenectady	4601-05	3.50	3.94	3.51	3.30	3.82	5.16	5.35	2.33	3.42	2.63	1.92
Dyken Pond	4153-03	1.46	(1.74)	xxx								
Grafton State Park	4153-04	---	(2.31)	2.21	1.98	1.57	1.85	1.37	1.58	1.77	1.52	1.12

Sampling at 4601-05 was terminated on 12/31/10.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

Station		One-Hour Averages		3-Hour Block Averages					24 Hour Average (Calendar Day)								
				Maximum not to exceed 500 PPB more than once per calendar year *									Maximum not to exceed 140 PPB more than once per calendar year *				
				Observations		Highest Values, PPB			Observations		Highest Values, PPB						
Site No.	Total Obs.	% Avail	Total	>500 PPM	1st	2nd	3rd	Total	>140 PPM	1st	2nd	3rd					
Loudonville	0101-33	8,539	97	2,813	0	16.3 [09/01, 11]	13.0 [12/31, 11]	12.6 [12/31,17]	360	0	11.6 [12/31]	7.4 [12/11]	6.1 [12/17]				
Schenectady	4601-05	8,617	98	2,834	0	15.0 [01/15, 05]	14.0 [01/15, 08]	13.0 [01/15, 02]	365	0	7.6 [01/15]	6.2 [05/01]	6.1 [12/31]				
Grafton State Park	4153-04	7,869	90	2,594	0	11.6 [01/15, 02]	9.3 [01/14, 23]	8.3 [01/15, 08]	332	0	6.8 [05/02]	5.3 [01/15]	5.3 [05/03]				

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **4**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed 15 $\mu\text{g}/\text{m}^3$ *;
and average of 98th percentile for last 3 years not to exceed 35 $\mu\text{g}/\text{m}^3$ *, *changed* from 65 $\mu\text{g}/\text{m}^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
Albany Co. HD (F)	0101-13	334	32.5 [12/31]	28.4 [09/02]	26.8 [09/01]	23.5	22.8	25.5	24	7.4	8.0	9.0	7.1	7.9	8.3	9.5	8.6
Albany Co. HD (T)	0101-13	362	30.3 [07/07]	29.4 [09/02]	28.6 [09/01]	24.3	20.9	24.6	23	8.6	7.2	8.6	7.9	8.1	8.2	9.3	8.5
Loudonville (F)	0101-33	102	30.2 [07/07]	29.3 [12/31]	27.5 [09/02]	27.5	18.8	22.5	23	7.1	8.1	9.3	7.0	7.9	7.0	8.3	7.7

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **4**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Loudonville	0101-33	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3
Schenectady	4601-05	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.3	0.3	0.4

Sampling at 4601-05 was terminated on 12/31/2010.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Average Maximum not to exceed 35 PPM more than once per calendar year *						Running 8-Hour Average (Non-Overlapping) Maximum not to exceed 9 PPM more than once per calendar year *					
		Observations			Highest Values, PPM			Observations			Highest Values, PPM		
Station	Site No.	Total Obs.	% Avail	>35 PPM	1st	2nd	3rd	Total	>9 PPM	1st	2nd	3rd	Days > 9PPM
Loudonville	0101-33	8,119	93	0	1.0 [01/24, 03]	1.0 [01/24, 08]	1.0 [01/26, 08]	8,125	0	0.9 [01/24, 08]	0.9 [01/27, 21]	0.9 [01/28, 11]	0
Schenectady	4601-05	8,533	97	0	2.3 [11/12, 19]	2.3 [11/12, 20]	2.0 [11/12, 21]	8,475	0	1.7 [11/14, 00]	1.4 [11/12, 22]	1.3 [12/12, 00]	0

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS (Note: 9PPM standard is not exceeded unless 8-hour avg > 9.4 PPM)

OZONE - Continuous UV Light Absorption

NYSDEC Region 4

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Loudonville	0101-33	.022	.026	.027	.025	.025	.027	.026	.028	0.026	0.027	0.030
Schenectady	4601-05	.021	.024	.024	.023	.021	.023	.020	.022	0.021	0.023	0.025
Grafton Lake State Park	4153-04	--	--	.037	.037	.035	.037	.033	.034	0.034	0.033	0.036

Sampling at 4601-05 was terminated on 12/31/10.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
Loudonville	0101-33	8,614	98	0	.090 [05/01, 21]	.090 [07/05, 11]	.088 [07/07, 12]	.086 [07/12, 20]	.077 [04/18]	.064 [05/20]	.073 [09/01]	.071
Schenectady	4601-05	8,616	98	0	.085 [07/08, 11]	.079 [09/01, 14]	.078 [07/04, 11]	.076 [05/01, 21]	.071 [04/19]	.064 [05/21]	.070 [07/07]	.068
Grafton Lake	4153-04	8,474	97	0	.086 [09/02, 22]	.085 [07/12, 20]	.084 [05/01, 21]	.081 [09/01, 12]	.075 [04/18]	.068 [05/20]	.073 [07/04]	.072

(Annual Means in parentheses are based on less than 75% available data)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **5**

Annual Averages 2000 through 2010

Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Whiteface Mtn. - Lodge	1567-04	0.97	1.40	1.30	0.98	0.83	1.05	0.98	0.91	0.82	0.64	0.72
Paul Smiths College	1655-01	-	-	-	-	0.92	1.21	0.89	0.96	0.75	0.60	0.57
Piseco Lake	2050-01	1.13	1.18	1.09	1.06	0.83	0.66	0.62	0.65	0.56	0.44	0.34

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 500 PPB more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 140 PPB more than once per calendar year *				
				Observations		Highest Values, PPB			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPM	1st	2nd	3rd	Total	>140 PPM	1st	2nd	3rd
Whiteface Mtn. Lodge	- 1567-04	8,632	99	2,849	0	5.7 [09/01, 11]	5.4 [01/15, 05]	4.3 [07/07, 05]	363	0	2.9 [09/01]	2.4 [07/04]	2.1 [04/02]
Paul Smiths College	1655-01	8,657	99	2,857	0	5.2 [01/15, 05]	3.8 [01/15, 02]	3.6 [01/14, 23]	365	0	2.4 [07/04]	2.1 [01/14]	2.1 [01/15]
Piseco Lake	2050-01	8,161	93	2,499	0	6.2 [01/14, 23]	6.2 [01/15, 08]	6.1 [01/15, 05]	310	0	3.4 [01/14]	2.7 [01/15]	2.1 [07/04]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **5**
(Manhattan Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed 15 $\mu\text{g}/\text{m}^3$ *;
and average of 98th percentile for last 3 years not to exceed 35 $\mu\text{g}/\text{m}^3$ *, *changed* from 65 $\mu\text{g}/\text{m}^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
Whiteface Base (F)	1567-04	55	22.8 [07/07]	15.7 [08/30]	13.6 [06/19]	15.7	10.9	10.3	12	2.8	5.8	6.2	2.4	4.3	4.6	4.3	4.4
Whiteface Base (T)	1567-04	361	71.5 [05/31]	23.4 [07/07]	22.0 [09/01]	17.4	15.2	17.9	17	5.3	4.5	5.9	3.8	4.9	4.9	5.2	5.0

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **5**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Stillwater	4567-01	.029	.032	.032	.035	.032	.033	.029	.032	.030	.030	.032
Whiteface Mtn. Summit	1567-03	.041	.041	(.041)	.046	(.046)	(.041)	.040	.043	.038	.038	.039
Whiteface Mtn. Base	1567-04	.032	.036	.039	.038	.036	.036	.035	.035	.034	.033	.036
Piseco Lake	2050-01	.029	.031	.031	.031	.031	.029	.030	.030	.029	.029	.031

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations		Highest Values, PPM								
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
Stillwater	4567-01	8,650	99	0	.082 [07/08, 14]	.082 [07/12, 22]	.080 [05/02, 00]	.078 [05/01, 16]	.078 [06/10]	.068 [05/22]	.071 [06/19]	.072
Whiteface Mtn. Summit (Operated 02/03-12/31)	1567-03	7,856	99	0	.083 [07/07, 02]	.080 [04/04, 23]	.078 [04/03, 01]	.077 [07/05, 00]	.075 [07/18]	.069 [08/17]	.073 [07/06]	.072
Whiteface Mtn. Base	1567-04	8,031	92	0	.087 [07/07, 02]	.085 [07/04, 23]	.081 [07/05, 00]	.078 [09/01, 01]	.071 [04/22]	.066 [05/20]	.072 [04/02]	.069
Piseco Lake	2050-01	8,591	98	0	.084 [07/07, 09]	.080 [08/30, 22]	.076 [04/02, 14]	.074 [09/03, 13]	.070 [04/21]	.068 [04/27]	.068 [07/04]	.068

(Annual Means in parentheses are based on less than 75% available data)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **6**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Nick's Lake	2167-03	0.94	0.99	1.01	0.96	0.89	0.90	0.89	0.90	0.63	0.52	0.54

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 500 PPB more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 140 PPB more than once per calendar year *				
				Observations		Highest Values, PPB			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPM	1st	2nd	3rd	Total	>140 PPM	1st	2nd	3rd
Nick's Lake	2167-03	8,205	94	2,676	0	4.9 [01/14, 17]	4.4 [01/14, 14]	4.3 [01/15, 05]	341	0	3.3 [01/14]	2.5 [12/10]	2.2 [12/11]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **6**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed 15 $\mu\text{g}/\text{m}^3$ *;
and average of 98th percentile for last 3 years not to exceed 35 $\mu\text{g}/\text{m}^3$ *, *changed* from 65 $\mu\text{g}/\text{m}^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
Utica (T)	3202-01	338	30.5 [07/07]	29.5 [08/31]	28.7 [09/01]	23.8	24.7	26.1	25	9.1	7.0	9.4	7.0	8.1	8.2	10.1	8.8
Potsdam (F)	4477-01	xx	xx	xx	xx	xx	27.4	17.0	22	xx	xx	xx	xx	xx	(6.0)	5.5	5.8

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **6**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Nick's Lake	2167-03	.027	.029	.029	.029	.028	.029	.027	.029	.028	.029	.030
Perch River	2223-01	.029	.041	.040	.036	.032	.034	.030	.032	.030	.030	.032
Camden	3255-01	.023	.026	.029	.027	.025	.024	.024	.026	.025	.021	.023

Sampling was suspended at 7094-07 on 06/24/10 due to building construction

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
Nick's Lake	2167-03	8,600	98	0	.076 [04/02, 13]	.076 [07/07, 10]	.073 [04/03, 14]	.073 [07/04, 16]	.069 [04/22]	.067 [06/06]	.065 [07/07]	.067
Perch River	2223-01	8,411	96	0	.088 [07/07, 15]	.086 [08/31, 16]	.085 [07/04, 15]	.085 [08/30, 17]	.071 [07/18]	.068 [08/17]	.077 [08/31]	.072
Camden	3255-01	8,519	97	0	.077 [08/31, 16]	.075 [09/01, 13]	.074 [07/04, 14]	.073 [07/07, 12]	.068 [04/17]	.054 [05/20]	.063 [07/06]	.061

(Annual Means in parentheses are based on less than 75% available data)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **7**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Camp Georgetown	2655-01	1.83	2.46	2.18	248	2.30	2.39	2.06	1.85	1.79	1.17	1.09
East Syracuse	3353-09	2.56	2.97	2.82	3.32	2.62	2.35	2.23	2.11	2.06	1.23	0.92

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 500 PPB more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 140 PPB more than once per calendar year *				
				Observations		Highest Values, PPB			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPM	1st	2nd	3rd	Total	>140 PPM	1st	2nd	3rd
Camp Georgetown	2655-01	8,615	98	2,832	0	12.0 [01/14, 23]	12.0 [01/15, 05]	11.6 [01/14, 14]	364	0	7.9 [01/14]	5.3 [01/15]	4.4 [12/31]
East Syracuse	3353-09	8,535	97	2,806	0	8.6 [01/15, 06]	8.0 [01/14, 20]	7.3 [01/14, 23]	358	0	5.2 [01/14]	3.6 [01/15]	3.4 [03/09]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **7**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed $15 \mu\text{g}/\text{m}^3$ *;
and average of 98th percentile for last 3 years not to exceed $35 \mu\text{g}/\text{m}^3$ *, *changed* from $65 \mu\text{g}/\text{m}^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
East Syracuse (F)	3353-09	114	26.7 [07/07]	23.9 [03/09]	22.5 [08/03]	22.5	21.2	22.0	22	7.9	7.3	9.4	5.6	7.6	7.6	8.2	7.8

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **7**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Syracuse	3301-22	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.5

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

Station		One-Hour Average						Running 8-Hour Average (Non-Overlapping)					
		Maximum not to exceed 35 PPM more than once per calendar year *						Maximum not to exceed 9 PPM more than once per calendar year *					
		Observations			Highest Values, PPM			Observations			Highest Values, PPM		
Site No.	Total Obs.	% Avail	>35 PPM	1st	2nd	3rd	Total	>9 PPM	1st	2nd	3rd	Days > 9PPM	
Syracuse	3301-22	8,578	98	0	2.1 [11/12, 17]	1.8 [11/12, 18]	1.7 [02/04, 08]	8,622	0	1.5 [11/12, 20]	1.4 [11/13, 22]	1.1 [12/19, 00]	0

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS (Note: 9PPM standard is not exceeded unless 8-hour avg > 9.4 PPM)

OZONE - Continuous UV Light Absorption

NYSDEC Region 7

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Camp Georgetown	2655-01	.030	.033	.034	.033	.030	.033	.031	.033	.030	.030	.032
East Syracuse	3353-09	.024	.027	.028	.025	.023	.028	.026	.028	.027	.025	.027
Fulton/Granby	3754-01	---	---	---	.035	.031	.034	.031	.031	.029	.029	.031

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
Camp Georgetown	2655-01	8,621	98	0	.088 [07/07, 14]	.079 [04/02, 15]	.079 [08/31, 13]	.079 [09/03, 14]	.072 [04/22]	.066 [05/20]	.071 [07/04]	.069
East Syracuse	3353-09	8,594	98	0	.095 [07/08, 13]	.088 [07/07, 11]	.085 [08/31, 13]	.076 [05/21, 14]	.070 [04/17]	.061 [05/22]	.073 [07/04]	.068
Fulton/Granby	3754-01	8,370	96	0	.084 [08/31, 13]	.083 [07/07, 13]	.080 [07/04, 12]	.079 [07/03, 18]	.071 [04/22]	.065 [04/27]	.071 [04/03]	.069

(Annual Means in parentheses are based on less than 75% available data)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **8**

Annual Averages 2000 through 2010

Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Elmira	0701-05	3.40	3.70	3.66	4.06	3.31	3.18	3.12	3.29	2.80	2.01	2.08
Rochester	2701-08	5.71	7.57	5.22	5.43	(6.47)	xx	xx	xx	xx	xx	xx
Rochester	2701-01	5.56	5.96	5.16	5.42	(6.17)	xx	xx	xx	xx	xx	xx
Rochester	2701-22	--	--	--	--	(4.50)	4.20	4.18	4.06	2.91	2.54	2.19
Pinnacle	5001-04	--	--	--	--	--	--	--	1.73	1.67	1.04	0.63

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 500 PPB more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 140 PPB more than once per calendar year *				
				Observations		Highest Values, PPB			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPM	1st	2nd	3rd	Total	>140 PPM	1st	2nd	3rd
Elmira	0701-05	8,648	99	2,849	0	11.6 [01/11, 23]	11.6 [11/15, 08]	10.3 [01/12, 02]	365	0	6.2 [01/15]	6.0 [01/14]	5.5 [01/12]
Rochester 2	2701-22	8,583	98	2,825	0	24.3 [09/10, 20]	19.6 [12/14, 08]	19.0 [07/10, 11]	362	0	8.8 [12/04]	8.8 [12/14]	7.1 [01/14]
Pinnacle	5001-04	8,245	94	2,695	0	15.7 [01/14, 11]	14.9 [01/14, 08]	14.3 [09/03, 11]	339	0	11.7 [01/14]	6.1 [12/11]	5.5 [01/15]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (PM10) - Wedding Sampler or R&P Model 2025 Sampler

NYSDEC Region **8**

Annual Averages 2000 through 2010 Annual Arithmetic Mean (ug/m3)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	3 Yr Exp Val
Rochester (R&P)	2701-22	--	--	--	--	--	--	--	15	13	13	13	13

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		24-Hour Concentrations - ug/m3							# of Days > 150 ug/m3 - Not to exceed an expected avg of one per year during the last 3 years *						
		Maximum		2nd Max.		3rd Max.		2008		2009		2010			
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
Rochester (R&P)	2701-22	58	49	03/09	45	01/14	34	07/07	0	0.0	0	0.0	0	0.0	0.0

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **8**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed 15 $\mu\text{g}/\text{m}^3$ *;
and average of 98th percentile for last 3 years not to exceed 35 $\mu\text{g}/\text{m}^3$ *, *changed* from 65 $\mu\text{g}/\text{m}^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
Rochester 2 (F)	2701-22	111	37.2 [03/09]	27.5 [07/07]	23.4 [08/09]	23.4	22.2	23.8	23	8.3	7.2	9.9	8.0	8.4	7.6	9.0	8.3
Rochester 2 (T)	2701-22	324	26.9 [08/04]	26.1 [07/07]	25.1 [06/27]	23.2	18.3	23.3	22	8.3	6.3	8.1	6.4	7.3	6.9	8.4	7.5
Pinnacle (F)	5001-04	309	25.8 [07/07]	23.4 [08/03]	23.0 [07/06]	21.4	17.5	22.3	20	5.5	7.6	9.9	(6.0)	7.3	6.9	8.0	7.4
Pinnacle (T)	5001-04	xx	xx	xx	xx	xx	xx	26.3	xx	xx	xx	xx	xx	xx	xx	7.8	xx

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **8**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Rochester	2701-08	0.4	0.4	0.4	0.5	(0.5)	xx	xx	xx	xx	xx	xx
Rochester Downtown	2701-01	0.6	0.5	0.5	0.5	(0.5)	xx	xx	xx	xx	xx	xx
Rochester 2	2701-22	--	--	--	--	(0.5)	0.5	0.5	0.4	0.3	0.4	0.4
Pinnacle	5001-04	--	--	--	--	--	--	--	--	--	--	0.160

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Average Maximum not to exceed 35 PPM more than once per calendar year *						Running 8-Hour Average (Non-Overlapping) Maximum not to exceed 9 PPM more than once per calendar year *					
		Observations			Highest Values, PPM			Observations		Highest Values, PPM			
Station	Site No.	Total Obs.	% Avail	>35 PPM	1st	2nd	3rd	Total	>9 PPM	1st	2nd	3rd	Days > 9PPM
Rochester 2	2701-22	7,722	88	0	1.6 [01/13, 21]	1.6 [11/07, 21]	1.6 [11/16, 08]	7,671	0	1.7 [11/08, 02]	1.3 [11/07, 00]	1.3 [11/13, 01]	0
Pinnacle	5001-04	8,536	97	0	.335 [03/11, 01]	.333 [03/11, 08]	.329 [03/11, 04]	8,292	0	.320 [03/11, 05]	.308 [01/19, 08]	.295 [02/07, 07]	0

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS (Note: 9PPM standard is not exceeded unless 8-hour avg > 9.4 PPM)

OZONE - Continuous UV Light Absorption

NYSDEC Region **8**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Elmira	0701-05	.023	.026	.027	.024	.024	.025	.024	.027	.024	.025	.027
Rochester	2701-08	.023	.026	.028	.025	(.025)	xxx	xxx	xxx	xxx	xxx	Xxx
Rochester 2	2701-22	-	-	-	--	(.019)	.023	.024	.026	.026	.024	.028
Pinnacle	5001-04	-	-	-	--	-	--	.034	.036	.032	.030	.035
Williamson	5863-01	.028	.029	.032	.032	.029	.029	.029	.033	.031	.031	.032

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
Elmira	0701-05	8,648	99	0	.079 [04/02, 15]	.078 [07/07, 11]	.077 [04/03, 16]	.073 [09/03, 12]	.070 [06/13]	.066 [04/27]	.067 [09/24]	.067
Rochester 2	2701-22	8,455	97	0	.082 [07/07, 17]	.079 [04/02, 16]	.079 [08/31, 12]	.078 [07/06, 16]	.078 [07/07]	.059 [04/27]	.072 [04/02]	.069
Pinnacle	5001-04	6,108	70	0	.074 [07/07, 11]	.074 [09/03, 16]	.074 [09/24, 17]	.072 [08/31, 13]	.069 [04/17]	.062 [05/20]	.068 [09/02]	.066
Williamson (Operated 03/31 - 11/03)	5863-01	5,142	98	0	.085 [05/26, 21]	.081 [08/31, 13]	.080 [04/02, 16]	.080 [07/06, 14]	.073 [04/17]	.061 [06/25]	.071 [07/06]	.068

(Annual Means in parentheses are based on less than 75% available data)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region **8**

Annual Averages 2000 through 2010 Nitric Oxide - Annual Arithmetic Mean (ppb)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Pinnacle	5001-04	---	---	---	---	---	---	---	---	---	0.16	0.00

Nitrogen Dioxide - Annual Arithmetic Mean (ppb) - Primary Standard(12 month average not to exceed 50 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Pinnacle	5001-04	---	---	---	---	---	---	---	---	---	2.22	1.33

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPB			Observations		Highest Values, PPB		
Station	Site No.	Total	% Avail	1st	2nd	3rd	Total	% Avail	1st	2nd	3rd
Pinnacle	5001-04	7,857	90	6.5 [10/26, 07]	4.8 [04/16, 14]	4.4 [01/12, 14]	7,839	89	19.3 [04/21, 01]	15.7 [03/11, 01]	15.6 [01/22, 06]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **9**

Annual Averages 2000 through 2010

Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Buffalo	1401-18	6.78	7.16	5.78	5.47	3.35	3.73	2.78	2.70	2.34	1.74	1.50
Tonawanda	1472-04	9.96	9.68	10.79	8.89	7.87	5.83	3.93	4.29	xxx	xxx	xxx
Brookside Terrace	1472-14	--	--	--	--	--	--	--	(2.80)	2.83	2.10	1.83
Niagara Falls	3102-25	4.62	3.52	3.68	3.56	2.73	2.63	2.48	2.79	2.13	1.58	1.53

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 500 PPB more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 140 PPB more than once per calendar year *				
				Observations		Highest Values, PPB			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPM	1st	2nd	3rd	Total	>140 PPM	1st	2nd	3rd
Buffalo	1401-18	8,549	98	2,812	0	11.6 [04/09, 02]	11.0 [01/14, 14]	10.6 [01/14, 11]	359	0	8.2 [01/14]	4.9 [01/11]	4.7 [07/04]
Brookside Terrace	1472-14	8,462	97	2,788	0	28.8 [05/30, 11]	26.6 [05/30, 14]	25.2 [09/07, 14]	354	0	9.4 [01/14]	8.4 [05/30]	8.2 [01/11]
Niagara Falls	3102-25	8,662	99	2,850	0	16.5 [07/17, 20]	14.6 [12/10, 08]	12.6 [01/18, 14]	365	0	7.0 [01/14]	6.7 [01/18]	6.6 [12/10]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **9**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Westfield	0675-01	5.23	4.76	4.11	4.26	3.49	3.49	2.70	2.74	2.51	1.73	1.32
Dunkirk	0601-04	8.11	8.37	7.46	6.69	5.31	4.32	3.13	3.27	2.67	2.55	1.54

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 500 PPB more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 140 PPB more than once per calendar year *				
				Observations		Highest Values, PPB			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPM	1st	2nd	3rd	Total	>140 PPM	1st	2nd	3rd
Westfield	0675-01	8,624	98	2,839	0	13.3 [03/11, 02]	12.8 [01/14, 23]	12.4 [01/14, 20]	362	0	9.5 [01/14]	7.2 [01/11]	6.8 [03/11]
Dunkirk	0601-04	8,658	99	2,845	0	33.2 [02/17, 17]	28.7 [06/24, 14]	21.2 [05/06, 11]	363	0	9.1 [01/14]	8.3 [05/06]	7.8 [02/17]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (PM10) - Wedding Sampler or R&P Model 2025 Sampler

NYSDEC Region **9**

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ug/m3)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	3 Yr Exp Val
Niagara Falls (W)	3102-25	17	18	17	17	17	xx						
Niagara Falls (R&P)	3102-25	--	--	--	--	20	24	21	21	22	17	15	18
Westfield (W)	0675-01	14	14	12	12	11	xx						

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		24-Hour Concentrations - ug/m3							# of Days > 150 ug/m3 - Not to exceed an expected avg of one per year during the last 3 years *						
		Maximum		2nd Max.		3rd Max.		2008		2009		2010			
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
Niagara Falls (R&P)	3102-25	116	63	03/09	47	04/02	35	07/07	0	0.0	0	0.0	0	0.0	0.0

(Annual Means in parentheses are based on less than 75% available data)

* Federal Ambient Air Quality Standard

W=Wedding Sampler

R&P=R&P Model 2025 Sampler

Mea=Measured

Est=Estimated

+ Denotes a contravention of Federal AAQS

INHALABLE PARTICULATES (<2.5 Microns) - Rupprecht & Patashnick Sampler

NYSDEC Region **9**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

(Average of last 3 years' annual means not to exceed 15 $\mu\text{g}/\text{m}^3$ *;
30d average of 98th percentile for last 3 years not to exceed 35 $\mu\text{g}/\text{m}^3$ *, *changed from 65 $\mu\text{g}/\text{m}^3$ on 12/17/06*)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2010				Annual Mean			
			1 st	2 nd	3 rd	2010	2009	2008	3-yr avg	1 st	2 nd	3 rd	4 th	2010	2009	2008	3-yr avg
Buffalo (F)	1401-18	342	41.1 [03/09]	35.3 [11/08]	33.9 [07/04]	27.9	24.3	27.4	27	10.2	9.6	11.6	8.5	10.0	9.6	11.9	10.1
Buffalo (T)	1401-18	342	41.3 [07/04]	31.9 [07/07]	30.3 [08/31]	28.6	21.1	27.6	26	9.6	10.0	12.6	8.3	10.1	9.8	12.5	10.8
Lackawanna (F)	1402-14	119	41.1 [03/09]	32.5 [08/09]	30.2 [07/07]	30.2	23.9	26.5	27	10.3	10.1	12.0	8.3	10.2	9.5	9.8	9.8
Grand Island Blvd (T)	1472-13	322	33.8 [07/07]	32.8 [07/05]	32.2 [08/04]	30.9	23.5	28.9	---	10.7	11.2	13.7	9.8	11.4	10.3	---	---
Brookside Terrace (T)	1472-14	358	34.3 [03/09]	33.8 [07/07]	32.1 [07/08]	29.6	20.7	29.2	---	10.0	10.5	10.5	6.4	9.4	8.8	---	---
Niagara Falls (F)	3102-25	115	34.8 [03/09]	25.8 [01/17]	24.8 [08/09]	24.8	21.7	23.8	23	8.9	7.9	9.6	6.8	8.3	8.7	10.9	8.9
Niagara Falls (T)	3102-25	349	29.8 [07/07]	28.6 [04/02]	27.5 [08/04]	25.5	19.9	27.9	24	8.7	8.7	11.1	8.7	9.3	9.2	11.3	9.9
Westfield (F)	0675-01	118	26.6 [03/09]	26.5 [08/09]	23.5 [07/07]	23.5	17.0	21.5	21	7.0	7.6	10.0	5.6	7.6	7.4	9.7	7.7

(Annual Means in parentheses are based on less than 75% available data)

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region 9

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Niagara Falls	3102-25	0.4	0.3	0.4	0.4	0.2	0.2	0.2	0.2	0.3	0.3	0.3
Buffalo	1401-18	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3
Brookside Terrace	1472-14	--	--	--	--	--	--	--	0.4	(0.3)	xx	xx

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One-Hour Average Maximum not to exceed 35 PPM more than once per calendar year *						Running 8-Hour Average (Non-Overlapping) Maximum not to exceed 9 PPM more than once per calendar year *					
		Observations			Highest Values, PPM			Observations		Highest Values, PPM			
Station	Site No.	Total Obs.	% Avail	>35 PPM	1st	2nd	3rd	Total	>9 PPM	1st	2nd	3rd	Days > 9PPM
Niagara Falls	3102-25	7,782	89	0	1.4 [11/02, 07]	1.3 [07/27, 06]	1.3 [11/02, 02]	7,803	0	1.2 [11/02, 07]	1.1 [07/11, 05]	1.0 [07/28, 23]	0
Buffalo	1401-18	8,652	99	0	1.6 [03/16, 06]	1.6 [12/30, 02]	1.5 [11/09, 01]	8,700	0	1.4 [12/30, 05]	1.3 [11/09, 05]	1.2 [11/12, 09]	0

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS (Note: 9PPM standard is not exceeded unless 8-hour avg > 9.4 PPM)

OZONE - Continuous UV Light Absorption

NYSDEC Region 9

Annual Averages 2000 through 2010
Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Westfield	0675-01	.033	.035	.038	.034	.033	.035	.034	.036	.034	.034	.038
Dunkirk	0604-01	.031	.032	.034	.033	.032	.033	.033	.034	.032	.031	.034
Amherst	1451-03	.026	.028	.031	.028	.028	.030	.028	.030	.029	.029	.031
Middleport	3120-02	.028	.030	.034	.034	.030	.036	.032	.036	.033	.031	.034

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2008	2009	2010	Avg
Westfield	0675-01	8,576	98	0	.094 [07/08, 15]	.087 [04/15, 18]	.083 [03/09, 18]	.083 [09/01, 15]	.072 [04/19]	.069 [04/24]	.075 [04/01]	.072
Dunkirk	0604-01	8,688	99	0	.095 [07/08, 15]	.091 [04/15, 18]	.091 [04/30, 17]	.086 [04/01, 17]	.084 [07/18]	.068 [04/24]	.080 [07/07]	.077 +
Amherst	1451-03	8,613	98	0	.081 [08/30, 14]	.079 [07/04, 16]	.079 [08/29, 17]	.078 [07/07, 13]	.076 [08/22]	.067 [08/15]	.072 [07/07]	.071
Middleport (Operated 03/31 - 12/31)	3120-02	6,529	99	0	.082 [07/07, 14]	.080 [04/03, 12]	.080 [07/03, 14]	.079 [07/08, 12]	.074 [07/18]	.064 [04/24]	.071 [04/15]	.069

(Annual Means in parentheses are based on less than 75% available data)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region **9**

Annual Averages 2000 through 2010 Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Buffalo	1401-18	.021	.018	.015	.019	.015	.016	.012	.014	.012	.010	.010
Amherst	1451-03	.008	.006	.005	.006	.005	.006	.003	.006	(.006)	(.002)	.002

Nitrogen Dioxide - Annual Arithmetic Mean (ppm) - Primary Standard(12 month average not to exceed 0.05 PPM *)

Station	Site No.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Buffalo	1401-18	.022	.021	.020	.020	.018	.019	.016	.016	.015	.014	.013
Amherst	1451-03	.015	.015	.013	.013	.012	.013	.011	.010	(.010)	(.007)	.008

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2010

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1st	2nd	3rd	Total	% Avail	1st	2nd	3rd
Buffalo	1401-18	8,213	94	1.143 [11/21, 05]	1.082 [11/21, 20]	1.056 [11/22, 22]	8,214	94	.085 [03/09, 00]	.082 [03/11, 00]	.072 [03/10, 00]
Amherst	1451-03	8,064	92	.129 [02/07, 03]	.128 [02/07, 04]	.121 [02/07, 02]	8,064	92	.062 [03/09, 23]	.059 [03/10, 00]	.051 [02/05, 07]

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

LEAD - High Volume Air Samplers (Glass Fiber Filters)

NYSDEC Region 9

Annual Geometric Means (ug/m3) 1995 through 2005

Station	Site No.	1999	2000	2001	2002	2003	2004	2005*	2006	2007	2008	2009
Buffalo	1401-29	0.03	0.03	0.03	0.03	xxx	xxx	xxx	xxx	xxx	xxx	xx
Niagara Falls	3102-09	0.02	0.02	(0.02)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx
Niagara Falls	3102-25	---	---	---	0.02	0.02	0.02	0.02	0.01	0.01	xxx	xxx

Lab results not received for 7097-01 for 2004 and 2005.

(Annual Means in parentheses are based on less than 75% available data)

*New York and Federal Ambient Air Quality Standard + Denotes a contravention of NYS/Federal AAQS