SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **1**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 0.03 PPM *)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Babylon	5150-02	.007	.007	(.010)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Eisenhower Park	2950-10	.006	.006	.006	.005	.004	.005	.004	.004	.004	.004	.005

Comparison between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 0.5 PPM more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 0.14 PPM more than once per calendar year *				
				Observations		Highest Values, PPM			Observations		Highest Values, PPM Midnight - Midnight		
Station	**Site No.**	**Total Obs.**	**% Avail**	**Total**	**>0.5 PPM**	**1st**	**2nd**	**3rd**	**Total**	**>.14 PPM**	**1st**	**2nd**	**3rd**
Eisenhower Park	2950-10	8,633	98	2,839	0	.046 [07/04, 12]	.045 [02/09, 09]	.044 [02/26, 09]	364	0	.017 [02/03]	.017 [02/09]	.017 [02/25]

(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 - Wedding Sampler

NYSDEC Region **1**

Annual Averages 1995 through 2005

Annual Arithmetic Mean (µg/m^3)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	3 Yr Exp Val
Babylon (Farmingdale)	5150-01	18	18	19	19	xx	xx	xx	xx	xx	xx	xx	xx
Eisenhower Park	2950-10	20	18	21	18	16	17	17	18	18	15	xx	xx
Roslyn Heights	2951-03	(18)	20	23	20	xx	xx	xx	xx	xx	xx	xx	xx

Lab results not received for 2950-10 for 2005. Sampling terminated at 2950-10 on 12/31/2005.

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

Mea=Measured Est. = Estimated
+ 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 2008
(Average of last 3 years' annual means not to exceed 15 $\mu g/m^3$ * ;
And average of 98th percentile for last 3 years not to exceed 35 $\mu g/m^3$ *, *changed* from 65 $\mu g/m^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr Avg.	1st	2nd	3rd	4th	2008	2007	2006	3-yr Avg.
Eisenhower Park(T)	2950-10	353	38.5 [07/29]	36.7 [06/10]	34.1 [07/04]	29.8	32.0	34.3	32	12.6	11.2	10.7	10.3	11.2	11.2	13.0	11.8
Hempstead (F)	2950-18	118	35.3 [07/29]	29.2 [02/03]	29.2 [06/08]	29.2	28.5	33.0	30	11.3	12.1	11.3	8.8	10.9	11.1	10.8	10.9
Babylon (F)	5150-01	112	33.1 [07/29]	29.4 [02/03]	26.8 [06/26]	26.8	28.8	31.9	29	11.2	10.6	10.5	7.9	10.1	10.9	10.3	10.4

(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

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **1**

Annual Averages 1990 through 2000

Annual Arithmetic Mean (ppm)

Station	Site No.	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Eisenhower Park	2950-10	1.1	1.0	0.9	0.8	0.8	0.8	0.8	0.7	0.6	0.7	(0.7)

Sampling at 2950-10 was terminated on 5/31/2000.

(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 **1**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Babylon	5150-02	.025	.025	.023	.023	.024	.025	.024	.024	.024	.026	.026
Holtsville	5151-10	--	--	--	--	--	--	--	--	.030	.032	.031
Riverhead	5155-01	.040	.035	.034	.030	.033	.030	(.029)	.035	.039	.034	.034

Comparison between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years (standard was **changed** from 0.08 on 5/27/08)*			
		Observations			Highest Values, PPM							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
Babylon	5150-02	8,555	97	0	.113 [07/17, 14]	.110 [07/18, 15]	.095 [07/16, 15]	.094 [06/09, 19]	.090 [08/01]	.083 [07/08]	.083 [06/10]	.085 +
Holtsville (Operated 04/01-11/03)	5151-10	4,895	94	0	.114 [07/18, 15]	.095 [06/09, 16]	.094 [07/15, 19]	.094 [07/17, 15]	.093 [08/03]	.084 [07/08]	.083 [06/10]	.086 +
Riverhead (Operated 04/01-12/31)	5155-01	6,173	94	2	.128+ [07/19, 13]	.125+ [07/18, 17]	.102 [07/21, 17]	.096 [06/28, 13]	.101 [07/17]	.085 [08/04]	.083 [07/21]	.089 +

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)
*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 **1**

Annual Averages 1998 through 2008

Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Eisenhower Park	2950-10	.030	.032	.028	.029	.024	.023	(.018)	.018	.019	.015	.015

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

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Eisenhower Park	2950-10	.022	.025	.024	.024	.022	.021	(.019)	.020	.018	.018	.017

Comparison between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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	8,471	96	.443 [11/24, 08]	.401 [10/24, 08]	.392 [11/24, 07]	8,471	96	.065 [02/25, 09]	.063 [02/25, 04]	.063 [02/26, 04]

(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 **2**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm) - Primary Standard

Manhattan and Queens Sites (12 month average not to exceed 0.03 PPM *)

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Mabel Dean	7093-05	.011	.013	.013	(.014)	xxx	xxx	xxx	xxx	xxx	xxx	xxx
PS 59	7093-10	.012	.013	.013	.012	.012	(.014)	.010	.011	.010	.010	(.011)
Queensboro Comm. College	7096-08	.006	.007	.006	.007	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Queens College 2	7096-15	---	---	---	---	.006	.007	.005	.006	.005	.005	xxx

Sampling at 7093-05 was terminated on 06/14/01, at 7093-10 on 6/30/2008, at 7096-08 on 12/30/01 and at 7096-15 (ppm level) on 12/31/07 .

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One-Hour Averages		**3-Hour Block Averages** Maximum not to exceed 0.5 PPM more than once per calendar year *					**24 Hour Average (Calendar Day)** Maximum not to exceed 0.14 PPM more than once per calendar year *				
				Observations		**Highest Values, PPM**			**Observations**		**Highest Values, PPM Midnight - Midnight**		
Station	**Site No.**	**Total Obs.**	**% Avail**	**Total**	**>0.5 PPM**	**1st**	**2nd**	**3rd**	**Total**	**>.14 PPM**	**1st**	**2nd**	**3rd**
PS 59	7093-10	4,251	98	1,391	0	.045 [01/05, 12]	.042 [01/07, 09]	.042 [02/26, 09]	180	0	.031 [01/05]	.030 [01/06]	.028 [01/07]

(Annual Means in parentheses are based on less than 75% available data) [Date of Occurrence, Hour]

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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **2**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm) - Primary Standard

Bronx, Brooklyn and Staten Island Sites (12 month average not to exceed 0.03 PPM *)

Station	Site No.	1988	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
IS 155	7094-03	.009	.010	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Morrisania	7094-05	.011	.011	(.017)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Botanical Garden	7094-06	---	---	(.009)	.010	.009	.009	.009	.009	.007	xxx	xxx
IS 52	7094-07	---	(.014)	.011	(.013)	.010	.011	.010	.011	.009	.008	.007
Greenpoint	7095-01	.007	.007	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
PS 321	7095-06	.008	.009	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Susan Wagner	7097-01	.006	.006	(.008)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 0.5 PPM more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 0.14 PPM more than once per calendar year *				
				Observations		Highest Values, PPM			Observations		Highest Values, PPM Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1st	2nd	3rd	Total	>.14 PPM	1st	2nd	3rd
IS 52	7094-07	8,606	98	2,834	0	.048 [10/24, 09]	.044 [02/03, 09]	.044 [11/04, 09]	365	0	.028 [01/05]	.025 [01/29]	.025 [02/03]

(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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region **2**

Annual Averages 1998 through 2008

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

Station	Site No.	1988	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Botanical Garden (Pfizer)	7094-10	---	---	---	---	---	---	---	---	---	6.7	6.0
Queens College 2	7096-15	---	---	---	---	---	---	---	---	---	4.4	4.1

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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	8,629	98	2,834	0	47 [02/03, 09]	45 [01/05, 09]	42 [03/27, 09]	364	0	29 [01/05]	26 [02/03]	25 [01/29]
Queens College 2	7096-15	8,576	98	2,822	0	34 [01/05, 09]	32 [02/03, 09]	30 [02/25, 09]	363	0	21 [01/05]	21 [02/03]	21 [02/25]

(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 2025Sampler

NYSDEC Region **2**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ug/m3)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	3 Yr Exp Val
Mabel Dean (W)	7093-05	24	21	22	(19)	xx	xx	xx	xx	xx	xx	xx	xx
PS 59 (R&P)	7093-10	--	--	--	--	--	--	--	--	23	25	(26)	25
Division Street (R&P)	7093-24	--	--	--	--	--	--	--	--	--	25	24	--
Canal Street (R&P)	8100-02	--	--	--	--	26	26	24	26	23	(27)	xx	xx
IS 52 (W)	7094-07	--	(16)	21	(21)	21	22	18	xx	xx	xx	xx	xx
IS 52 (R&P)	7094-07	--	--	--	--	--	--	--	--	--	22	21	--
JHS 126 (W)	7095-43	--	--	--	20	21	20	17	xx	xx	xx	xx	xx
Queens College 2(R&P)	7096-15	--	--	--	--	--	--	--	--	(20)	20	20	20
Susan Wagner (W)	7097-01	17	16	19	16	17	16	13	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.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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.		2006		2007		2008		
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
PS 59	7093-10	50	53	04/18	46	06/23	43	06/26	0	0.0	0	0.0	0	0.0	--
Division Street (R&P)	7093-24	122	60	04/18	52	07/29	47	06/14	--	--	0	0.0	0	0.0	--
IS 52 (R&P)	7094-07	59	60	01/07	45	04/18	44	07/29	--	--	0	0.0	0	0.0	--
Queens College 2(R&P)	7096-15	338	57	07/29	51	06/10	46	02/25	0	0.0	0	0.0	0	0.0	--

(Annual Means in parentheses are based on less than 75% available data) Mea=Measured Est=Estimated

* Federal Ambient Air Quality Standard W=Wedding Sampler R&P=R&P Model 2025 Sampler + 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 2008**

(Average of last 3 years' annual means not to exceed 15 μg/m3 *; and average of 98th percentile for last 3 years not to exceed 35 μg/m3 *, *changed* from 65 μg/m3 on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr avg	1st	2nd	3rd	4th	2008	2007	2006	3-yr avg
JHS 45 (F)	7093-08	112	35.7 [01/07]	33.0 [07/29]	32.3 [06/23]	32.3	34.3	37.6	35	14.6	12.8	12.2	9.8	12.4	13.6	12.8	12.9
PS 59 (F)	7093-10	59	36.2 [01/07]	33.1 [06/23]	31.0 [06/26]	(33.1)	36.8	40.7	37 +	16.5	15.2	xx	xx	(15.9)	16.1	14.5	15.5 +
IS 143 (T)	7093-15	326	39.8 [06/26]	38.2 [01/07]	35.2 [07/29]	30.8	39.7	39.8	37	11.6	12.1	12.5	13.0	12.3	15.3	15.5	14.4
PS 64 (T)	7093-16	xx	xx	xx	xx	xx	29.4	38.6	xx	xx	xx	xx	xx	xx	(13.1)	15.8	xx
Manhattanville PO (T)	7093-17	349	35.9 [01/07]	35.5 [01/06]	34.2 [07/29]	31.1	35.4	37.8	35	14.7	11.4	11.6	10.7	12.1	13.5	14.4	13.3
Park Row (T) (WTC)	7093-18	363	39.4 [07/29]	37.8 [06/10]	33.3 [06/26]	30.0	33.4	36.1	33	13.0	12.6	12.0	10.1	11.9	13.1	13.8	12.9
PS 19 (F)	7093-21	39	25.7 [02/09]	25.0 [02/06]	21.2 [03/28]	(25.7)	37.8	38.2	34	14.8	11.4	xx	xx	(13.1)	15.6	13.8	14.2
PS 19 (T)	7093-21	104	33.0 [01/07]	30.3 [02/26]	30.2 [01/29]	(30.3)	41.4	--	--	14.5	10.1	xx	xx	(12.3)	(14.7)	--	--
Division St (F)	7093-24	105	37.4 [07/29]	32.5 [06/23]	31.8 [06/26]	31.8	37.1	--	--	13.3	15.2	13.8	10.4	13.2	(14.9)	--	--
Division St (T)	7093-24	361	39.8 [07/29]	34.6 [06/10]	33.9 [06/23]	31.3	34.4	--	--	14.6	12.7	12.4	10.4	12.5	(13.4)	--	--
CCNY (T)	7093-25	352	35.1 [01/07]	34.8 [06/23]	34.6 [07/29]	28.8	41.5	--	--	13.9	11.9	11.7	10.0	11.9	(14.2)	--	--
Canal Street (F)	8100-02	xxx	xxx	xxx	xxx	xxx	34.7	35.9	xxx	xxx	xxx	xxx	xxx	xxx	(15.6)	12.8	xxx
Canal Street (T)	8100-02	xxx	xxx	xxx	xxx	xxx	25.6	36.7	xxx	xxx	xxx	xxx	xxx	xxx	(13.4)	14.0	xxx

Sampling at 8100-02 was terminated on 3/28/07 at 7093-16 on 07/02/07 and at 7093-10 on 06/29/08; sampling suspended at 7093-21 on 05/27/08; sampling commenced at 7093-24 on 03/25/07; TEOM sampling at 7093-21 commenced on 06/22/07, at 7093-24 on 02/09/07 and at 7093-25 on 06/24/07.

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

F = Federal Reference Method T = TEOM (Tapered Element Oscillating Microbalance) not for Standards determination + 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 2008
(Average of last 3 years' annual means not to exceed 15 μg/m3 *;
and average of 98th percentile for last 3 years not to exceed 35 μg/m3 *, *changed* from 65 μg/m3 on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr avg	1st	2nd	3rd	4th	2008	2007	2006	3-yr avg
Morrisania (F)	7094-05	116	40.5 [01/07]	32.7 [07/29]	31.3 [06/26]	31.3	36.2	39.7	36 +	16.1	13.6	13.3	11.0	13.5	15.6	14.6	14.6
Botanical Garden (F)	7094-06	xx	xx	xx	xx	xx	32.5	34.8	xx	xx	xx	xx	xx	xx	13.2	12.6	xx
IS 52 (F)	7094-07	336	40.2 [01/07]	38.8 [01/06]	34.3 [01/29]	29.9	33.9	36.6	33	13.1	12.1	12.2	9.7	11.8	12.7	12.5	12.3
IS 52 (T)	7094-07	362	33.6 [07/29]	33.5 [06/23]	33.3 [01/06]	30.5	35.6	38.0	35	14.0	12.4	11.4	10.6	12.1	12.7	13.6	12.8
IS 74 (T)	7094-08	307	34.7 [06/10]	34.4 [06/23]	34.4 [07/29]	28.7	28.4	38.0	32	11.8	12.3	11.6	11.0	11.7	(11.9)	14.4	12.7
PS 154 (T)	7094-09	365	35.9 [01/07]	35.5 [06/10]	35.1 [07/29]	31.9	34.7	34.0	34	14.5	12.4	11.7	10.9	12.4	12.6	13.7	12.9
Botanical Gdn - Pfizer (F)	7094-10	117	31.2 [06/23]	31.2 [07/29]	29.8 [06/26]	29.8	--	--	--	12.7	12.4	11.6	10.0	11.7	--	--	--

Sampling was suspended at 7094-07 from 06/20/01 to 10/04/01 for 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 2008

(Average of last 3 years' annual means not to exceed 15 μg/m3 *;
and average of 98th percentile for last 3 years not to exceed 35 μg/m3 *, *changed* from 65 μg/m3 on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr avg	1st	2nd	3rd	4th	2008	2007	2006	3-yr avg
PS 314 (T)	7095-07	357	38.9 [07/29]	34.5 [06/10]	30.6 [07/18]	29.0	30.2	34.4	31	12.9	12.1	12.0	9.7	11.7	11.9	13.3	12.3
JHS 126 (F)	7095-43	109	35.7 [01/07]	31.4 [06/23]	29.4 [06/26]	29.4	33.6	37.7	34	13.7	13.6	11.2	9.4	12.0	13.9	12.7	12.9
IS 293 (T)	7095-44	356	37.5 [07/29]	35.0 [06/10]	30.7 [06/26]	28.2	33.0	36.6	33	12.8	11.8	11.2	10.2	11.5	12.2	13.7	12.5
PS 274 (T)	7095-98	364	38.4 [07/29]	36.1 [06/10]	32.3 [07/18]	29.1	31.8	(25.1)	29	12.9	11.1	10.7	9.6	11.1	11.4	(11.4)	11.3
Maspeth Library (T)	7096-13	354	45.1 [07/29]	38.6 [07/18]	36.4 [06/10]	30.4	31.5	35.8	33	13.2	11.7	12.4	10.4	11.9	11.9	13.6	12.5
PS 219 / Queens College 2 (F)	7096-14 / 7096-15	358	35.6 [07/29]	34.3 [01/06]	32.0 [06/10]	30.3	31.8	33.6	32	12.0	11.6	12.0	8.3	11.0	11.4	11.6	11.3
PS 219 (T)	7096-14	359	35.3 [07/29]	31.6 [06/10]	31.3 [07/18]	26.7	29.7	33.8	30	12.1	10.8	10.1	9.1	10.5	11.1	12.5	11.4
Susan Wagner (F)	7097-01	117	34.3 [07/29]	28.2 [06/26]	27.7 [06/23]	27.7	28.8	32.0	30	10.9	12.8	11.5	7.8	10.8	11.5	10.4	10.9
Port Richmond (F)	7097-03	112	35.3 [07/29]	29.0 [06/26]	28.7 [01/07]	28.7	32.8	36.2	33	13.1	13.4	12.3	9.5	12.1	13.0	12.1	12.4
Freshkills West (T)	7097-17	321	36.3 [07/29]	34.5 [07/30]	30.4 [06/10]	27.6	30.3	34.3	31	11.5	11.1	11.6	9.5	10.9	12.0	13.1	12.0
PS 44 (T)	7097-18	356	34.7 [07/29]	33.3 [07/30]	30.3 [06/10]	26.9	30.0	34.6	31	12.1	11.0	11.4	9.8	11.1	11.1	13.1	11.8

FRM Sampler moved from PS219 to Queens College 2 on 07/01/06.

(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

TOTAL SUSPENDED PARTICULATES - High Volume Air Samplers

NYSDEC Region **2**

Annual Geometric Means (G.M., ug/m3) 1995 through 2005

Station	**Site No.**	**AAQS G.M. ***	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**
Mabel Dean	7093-05	75	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Midtown	7093-12	75	92+	118+	117+	129+	xx	xx	xx	xx	xx	xx	xx
Greenpoint	7095-01	75	59	57	(58)	50	56	xx	xx	xx	xx	xx	xx
Susan Wagner	7097-01	75	37	33	35	32	29	33	29	29	28	26	xx
PS 26	7097-02	75	47	44	(43)	xx	xx	xx	xx	xx	xx	xx	xx

Lab results not received for 7097-01 for 2005. Sampling terminated at 7097-01 on 12/31/2005.

(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**

Traffic Sites

Annual Averages 1998 through 2007

Annual Arithmetic Mean (ppm)

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
350 Canal Street	8100-02	1.6	1.5	1.4	1.3	xx	xx	xx	xx	xx	xx
Brooklyn Transit	8100-03	1.6	1.5	1.4	1.1	1.1	1.1	1.0	0.9	0.8	(0.6)
225 E. 34th Street	8100-06	1.3	1.3	1.2	1.0	1.0	1.0	0.9	xx	xx	xx
Bloomingdales	8100-07	(2.2)	1.7	1.5	(1.3)	xx	xx	xx	xx	xx	xx

Sampling at 8100-07 was terminated on 10/12/2001, at 8100-02 on 12/31/2001, at 8100-06 on 11/01/2004; and at 8100-03 on 01/02/2007.

(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)

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **2**

Roof top (Background) Sites

Annual Averages 1998 through 2008
Annual Arithmetic Mean (ppm)

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
PS 59	7093-10	1.0	1.0	0.9	0.8	0.7	(0.8)	0.7	0.6	0.6	0.6	(0.5)
CCNY	7093-25	---	---	---	---	---	---	---	---	---	---	0.4
Botanical Gardens	7094-06/7094-10	0.7	0.7	0.7	0.7	0.7	0.8	0.6	0.6	0.5	0.6	0.5
Queensboro Comm Coll	7096-08	0.7	0.7	0.6	0.5	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

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 2008

		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**
PS 59	7093-10	4,245	96	0	1.6 [02/06, 10]	1.5 [01/08, 19]	1.5 [01/08, 20]	4,188	0	1.2 [01/08, 23]	1.2 [02/06, 03]	1.1 [01/06, 23]	0
CCNY	7093-25	4,114	98	0	1.8 [12/24, 17]	1.7 [11/04, 02]	1.7 [12/24, 18]	4,126	0	1.4 [12/24, 22]	1.3 [11/04, 03]	1.2 [12/25, 01]	0
Botanical Gardens (Pfizer Lab)	7094-10	8,700	99	0	2.3 [10/27, 08]	2.1 [11/04, 01]	2.0 [01/01, 02]	8,740	0	1.8 [11/04, 03]	1.6 [01/07, 21]	1.6 [11/03, 24]	0
Queens College 2	7096-15	8,181	93	0	2.3 [10/08, 07]	2.2 [10/10, 23]	2.1 [10/07, 24]	8,166	0	1.7 [10/08, 03]	1.6 [10/24, 03]	1.5 [10/11, 01]	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 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
IS 155	7094-03	xxx	.021	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Morrisania	7094-05	.023	.019	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Botanical Gardens / Pfizer Lab	7094-06 / 7094-10	.015	.018	.016	.017	.017	.017	.017	.018	.020	.020	.019
IS 52	7094-07	---	.007	.015	(.014)	.017	.016	.016	.016	.017	.019	.019
Susan Wagner	7097-01	.033	.033	.030	.032	.034	.029	.029	.030	.032	.026	.022

Sampling at 7094-03 was terminated on 7/19/99, at 7094-05 on 05/01/2000; and commenced at 7094-07 on 10/27/99

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							**4th Highest Daily Maximum 8-Hour Average-** Not to exceed an avg of 0.075 ppm during the last 3 years**,** *changed* from 0.08 ppm on 5/27/08*****			
		Observations			**Highest Values, PPM**							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
Botanical Gardens / Pfizer Lab	7094-06 / 7094-10	8,621	98	0	.124 [06/14, 15]	.104 [06/10, 14]	.099 [07/17, 17]	.095 [06/28, 13]	.076 [07/31]	.076 [05/25]	.078 [07/17]	.076 +
IS 52	7094-07	8,610	98	0	.115 [06/14, 14]	.102 [06/10, 13]	.100 [07/17, 17]	.096 [06/07, 13]	.071 [06/19]	.076 [07/17]	.077 [07/03]	.074
Susan Wagner	7097-01	7,669	87	0	.114 [05/28, 08]	.102 [03/05, 16]	.083 [06/10, 13]	.076 [07/29, 16]	.092 [06/17]	.082 [06/27]	.064 [07/26]	.079 +

(Annual Means in parentheses are based on less than 75% available data) [Date of Occurrence, Hour]

*Federal Ambient Air Quality Standard + Denotes a contravention of Federal AAQS (Note: .08 PPM standard is not exceeded unless avg. Of 4th max 8-hr concentrations > .084 PPM)

OZONE - Continuous UV Light Absorption

NYSDEC Region **2**

Manhattan and Queens Sites

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Mabel Dean H.S.	7093-05	.020	.013	.011	(.014)	xxx	xxx	xxx	xxx	xxx	xxx	xxx
CCNY	7093-25	---	---	---	---	---	---	---	---	---	.019	.018
Queensboro Comm Coll	7096-08	.021	.020	.019	.021	xxx	xxx	xxx	xxx	xxx	xxx	xxx
College Point P.O.	7096-09	.015	.016	.015	.017	.018	.017	.016	.017	xxx	xxx	xxx
Queens College 2	7096-15	---	---	---	(.017)	.019	.019	.018	.020	.021	.021	.022

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

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							**4th Highest Daily Maximum 8-Hour Average-** Not to exceed an avg of 0.075 ppm during the last 3 years**,** *changed* from 0.08 ppm on 5/27/08*****			
		Observations			**Highest Values, PPM**							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
CCNY	7093-25	8,630	98	0	.117 [06/14, 15]	.103 [07/17, 16]	.102 [06/10, 14]	.100 [07/08, 17]	---	.083 [07/17]	.081 [07/18]	---
Queens College 2	7096-15	8,618	98	0	.107 [06/14, 14]	.102 [07/18, 16]	.100 [07/17, 14]	.098 [07/19, 12]	.077 [07/02]	.075 [07/17]	.080 [07/19]	.077 +

(Annual Means in parentheses are based on less than 75% available data) [Date of Occurrence, Hour]

*Federal Ambient Air Quality Standard + Denotes a contravention of Federal AAQS (Note: .08 PPM standard is not exceeded unless avg. Of 4th max 8-hr concentrations > .084 PPM)

NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region **2**

Bronx Sites

Annual Averages 1998 through 2008

Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Morrisania	7094-05	.027	.031	(.039)	xxx	xxx	xxx	xxx	xxx	xx	xxx	xxx
Botanical Gardens	7094-06/7094-10	.022	.024	.023	.026	.020	.021	.017	.015	.015	.016	.014
IS 52	7094-07	---	(.030)	.025	(.027)	.022	.023	.022	.021	.017	.017	.015

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

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Morrisania	7094-05	.036	.033	(.033)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Botanical Gardens	7094-06/7094-10	.030	.029	.029	.031	.028	.027	.024	.027	.025	.024	.023
IS 52	7094-07	---	(.032)	.032	(.032)	.030	.030	.030	.029	.026	.026	.025

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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	8,579	98	.275 [10/27, 08]	.245 [11/04, 09]	.206 [01/01, 02]	8,579	98	.083 [04/18, 22]	.081 [05/06, 21]	.080 [04/18, 21]
IS 52	7094-07	8,343	95	.324 [02/13, 08]	.296 [01/07, 09]	.282 [01/07, 08]	8,343	95	.089 [04/18, 22]	.087 [02/26, 08]	.086 [04/18, 21]

(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 1998 through 2008

Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Mabel Dean	7093-05	.031	.033	.033	(.036)	xxx	xxx	xxx	xxx	xxx	xxx	xxx
PS 59	7093-10	.045	.046	.045	.042	.035	(.036)	(.030)	.030	.026	.023	(.024)
Queensboro Comm. Coll.	7096-08	.019	.019	.018	.019	xxx	xxx	xxx	xxx	xxx	xxx	xxx
College Point P.O.	7096-09	.030	.034	.030	.031	.026	.030	.025	.023	xxx	xxx	xxx
Queens College 2	7096-15	---	---	---	(.026)	.017	.020	.015	.015	.014	.014	.014

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

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Mabel Dean	7093-05	.036	.037	.036	(.038)	xxx	xxx	xxx	xxx	xxx	xxx	xxx
PS 59	7093-10	.040	.041	.038	.038	.038	(.038)	(.035)	.036	.034	.034	(.036)
Queensboro Comm. Coll.	7096-08	.027	.026	.026	.026	xxx	xxx	xxx	xxx	xxx	xxx	xxx
College Point P.O.	7096-09	.028	.029	.030	.030	.028	.030	.028	.027	xxx	xxx	xxx
Queens College 2	7096-15	---	---	---	(.028)	.028	.027	.025	.025	.023	.023	.022

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 2008

		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**
PS 59	7093-10	4,178	95	.240 [02/13, 08]	.238 [02/06, 10]	.232 [04/10, 08]	4,178	95	.097 [04/18, 15]	.090 [04/18, 16]	.086 [04/18, 14]
Queens College 2	7096-15	8,583	98	.393 [10/08, 07]	.327 [10/08, 08]	.315 [10/24, 04]	8,583	98	.079 [04/18, 24]	.079 [05/06, 21]	.077 [05/06, 22]

(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) 1998 through 2008

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005*	2006	2007	2008
Midtown	7093-12	0.08	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Greenpoint	7095-01	0.07	0.06	xx	xx	xx	xx	xx	xx	xx	xx	xx
JHS 126	7095-43	--	--	--	--	--	0.03	0.03	(0.03)	0.02	0.02	0.013
Susan Wagner	7097-01	0.02	0.03	0.02	0.02	0.01	0.01	xx	xx	xx	xx	xx
PS 26	7097-02	xx	xx	xx	xx	xx	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.
* Only 1st quarter data received from lab in 2005.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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	61	100	0.034	04/18	0.024	10/21	0.023	05/30	0.014 [2nd]	0.013 [4th]	0.012 [1st]

(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 (Low Level)

NYSDEC Region **3**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB *)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Mt. Ninham	3951-01	2.5	2.3	2.3	2.6	2.2	2.4	2.2	2.2	1.7	1.5	1.3
Belleayre Mtn.	5565-03	1.7	1.7	1.6	1.9	1.6	1.7	1.3	1.4	1.3	1.2	0.9

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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**
Mt. Ninham	3951-01	8,634	98	2,837	0	15 [01/19, 24]	13 [01/04, 15]	13 [01/05, 21]	364	0	8 [01/29]	7 [01/04]	7 [01/05]
Belleayre Mtn.	5565-03	8,676	99	2,850	0	11 [01/04, 12]	11 [01/04, 21]	11 [01/05, 12]	366	0	8 [01/04]	8 [01/05]	6 [01/22]

(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 - Wedding Sampler

NYSDEC Region **3**

Annual Averages 1995 through 2005

Annual Arithmetic Mean (ug/m^3)

Station	**Site No.**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**3 Yr Exp Val**
Saugerties	5524-03	21	21	22	23	xx	xx	xx	xx	xx	xx	xx	xx
New Paltz	5522-01	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Belleayre Mtn.	5565-03	13	13	13	16	12	10	10	11	13	11	xx	xx
Mt. Ninham	3951-01	14	14	14	14	xx	xx	xx	xx	xx	xx	xx	xx

Lab results not received for 5565-03 for 2005. Sampling terminated at 5565-03 on 12/31/2005.

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

Mea=Measured

Est=Estimated
+ 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 2008
(Average of last 3 years' annual means not to exceed 15 $\mu g/m^3$ *;
and average of 98th percentile for last 3 years not to exceed 35 $\mu g/m^3$ *, *changed* from 65 $\mu g/m^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr avg	1st	2nd	3rd	4th	2008	2007	2006	3-yr avg
Newburgh (F)	3502-04	117	41.5 [01/07]	31.4 [07/20]	26.0 [07/08]	26.0	30.4	27.5	28	9.9	9.5	11.0	7.8	9.6	10.6	9.6	9.9
Newburgh (T)	3502-04	364	42.6 [07/19]	38.3 [01/07]	32.2 [07/20]	24.6	29.3	30.6	28	11.2	8.7	9.7	8.5	9.5	10.1	11.2	10.3
Mamaroneck (F)	5956-01	119	38.9 [01/07]	30.8 [07/29]	30.4 [06/23]	30.4	30.6	34.4	32	11.6	12.0	11.5	8.7	11.0	11.7	11.1	11.3
White Plains (T)	5902-04	364	30.6 [01/06]	30.6 [07/19]	30.4 [01/07]	23.4	27.6	32.2	28	10.2	8.0	8.4	7.7	8.6	9.4	12.1	10.0

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

N=NAMS (National Air Monitoring Station)

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

OZONE - Continuous UV Light Absorption

NYSDEC Region **3**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
White Plains	5902-04	.023	.024	.021	.024	.024	.024	.019	.025	.025	.027	.024
Valley Central	3527-01	.032	.030	.026	.030	.029	.029	.028	.031	.029	.030	.026

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years (standard was **changed** from 0.08 on 5/27/08)*			
		Observations			Highest Values, PPM							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
White Plains (Metro.)	5902-04	8,116	92	1	.140 + [06/14, 16]	.104 [06/28, 13]	.104 [09/04, 17]	.101 [06/10, 12]	.083 [07/31]	.094 [08/02]	.082 [07/19]	.086 +
Valley Central (Hud.Valley) (Oper. 03/21-12/31)	3527-01	6,761	99	1	.129 + [06/13, 17]	.102 [04/19, 16]	.098 [07/12, 17]	.087 [06/10, 17]	.077 [06/22]	.083 [07/09]	.080 [07/20]	.080 +

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

(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 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Millbrook	1328-01	.030	.030	.026	.030	.029	.028	.025	.025	.024	.027	.027
Mt. Ninham	3951-01	.035	.035	.027	.033	0.35	.031	.028	.029	.028	.029	.027
Belleayre Mtn.	5565-03	.035	.037	.032	.035	.036	.036	.034	.035	.034	.034	.030

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years (standard was **changed** from 0.08 on 5/27/08)*			
		Observations			Highest Values, PPM							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
Millbrook	1328-01	8,570	97	0	.109 [06/13, 18]	.099 [07/12, 14]	.097 [03/19, 10]	.091 [04/19, 16]	.064 [06/18]	.078 [06/19]	.081 [04/18]	.074
Mt. Ninham	3951-01	8,590	97	0	.099 [06/28, 14]	.097 [04/19, 16]	.092 [06/13, 16]	.090 [07/12, 14]	.073 [07/10]	.085 [05/15]	.079 [06/13]	.079 +
Belleayre Mtn.	5565-03	8,449	96	0	.092 [04/19, 17]	.079 [07/12, 21]	.072 [05/07, 19]	.071 [07/20, 11]	.076 [08/14]	.072 [05/15]	.068 [07/20]	.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

LEAD - High Volume Air Samplers (Glass Fiber Filters)

NYSDEC Region **3**

Annual Geometric Means (ug/m^3) 1998 through 2008

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005*	2006	2007	2008
Wallkill	3566-02	0.04	0.05	0.04	0.04	0.04	0.05	0.04	(0.05)	0.03	0.02	0.029
Wallkill	3566-09	0.06	0.08	0.09	0.08	0.06	0.07	0.07	(0.05)	0.05	0.02	0.062
Scotchtown	3566-11	0.03	0.03	0.03	0.03	0.03	0.03	0.03	(0.04)	0.01	0.01	0.007

* Only 1st quarter data for 2005 was received from the laboratory.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		24-Hour Concentrations - ug/m^3								QUARTERLY AVERAGES Maximum not to exceed 1.5 ug/m^3 *		
				Maximum		2nd Max.		3rd Max.		Highest Values, ug/m^3 [Quarter]		
Station	**Site No.**	**Total Obs.**	**% Avail**	**Value**	**Date**	**Value**	**Date**	**Value**	**Date**	**1st**	**2nd**	**3rd**
Wallkill	3566-02	61	100	0.126	01/13	0.105	07/23	0.103	08/28	0.039 [3rd]	0.027 [2nd]	0.027 [1st]
Wallkill	3566-09	57	93	0.266	08/04	0.245	05/24	0.192	05/06	0.086 [2nd]	0.063 [4th]	0.063 [3rd]
Scotchtown	3566-11	58	95	0.029	07/11	0.026	08/28	0.018	01/07	0.009 [3rd]	0.006 [1st]	0.006 [2nd]

(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 **4**

Annual Averages 1998 through 2008
Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 0.03 PPM *)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Loudonville	0101-33	.004	.004	.004	.005	.004	.004	.004	.005	.005	.003	.004
Schenectady	4601-05	.003	.003	.003	.004	.004	.003	.004	.005	.005	.002	.003

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 0.5 PPM more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 0.14 PPM more than once per calendar year *				
				Observations		Highest Values, PPM			Observations		Highest Values, PPM Midnight - Midnight		
Station	**Site No.**	**Total Obs.**	**% Avail**	**Total**	**>0.5 PPM**	**1st**	**2nd**	**3rd**	**Total**	**>.14 PPM**	**1st**	**2nd**	**3rd**
Loudonville	0101-33	8,335	95	2,740	0	.026 [03/12, 06]	.021 [01/05, 12]	.019 [01/04, 24]	351	0	.018 [01/05]	.015 [01/06]	.015 [01/07]
Schenectady	4601-05	8,613	98	2,830	0	.016 [03/01, 06]	.015 [11/24, 15]	.014 [01/08, 15]	364	0	.009 [01/06]	.009 [11/24]	.008 [01/04]

(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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region **4**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB *)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Dyken Pond	4153-03	1.6	1.5	1.5	(1.7)	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Grafton State Park	4153-04	—	—	—	(2.3)	2.2	2.0	1.6	1.9	1.3	1.6	1.8

Sampling at 4153-03 was terminated on 08/14/2001 and commenced at 4153-04 on 12/06/01.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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**
Grafton State Park	4153-04	8,087	92	2,658	0	19 [10/24, 09]	17 [11/24, 15]	16 [01/05, 03]	338	0	13 [01/05]	9 [11/24]	8 [01/04]

(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 - Wedding Sampler

NYSDEC Region **4**

Annual Averages 1993 through 2003

Annual Arithmetic Mean (ug/m^3)

Station	**Site No.**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**3 Yr Exp Val**
Albany	0101-10	23	23	(17)	xx	xx	xx	xx	xx	xx	xx	xx	xx
Albany	0101-13	23	25	21	21	23	21	xx	xx	xx	xx	xx	xx
Loudonville	0101-33	18	19	16	17	19	19	xx	xx	xx	xx	xx	xx
Cohoes	0102-03	18	21	(16)	xx	xx	xx	xx	xx	xx	xx	xx	xx
Hudson	1001-02	--	--	--	--	--	--	--	13	14	(19)	(14)	16

Sampling commenced at 1001-02 on 03/01/2000, was suspended on 10/03/2001, resumed on 07/01/2002, and was terminated on 09/30/2003.

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

Mea=Measured Est=Estimated
+ 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 2008
(Average of last 3 years' annual means not to exceed 15 $\mu g/m^3$ *;
and average of 98th percentile for last 3 years not to exceed 35 $\mu g/m^3$ *, *changed* from 65 $\mu g/m^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr avg	1st	2nd	3rd	4th	2008	2007	2006	3-yr avg
Albany Co. HD (F)	0101-13	355	41.2 [01/07]	36.6 [02/26]	30.6 [02/25]	25.5	31.3	30.9	29	11.1	8.9	9.7	8.3	9.5	10.1	9.4	9.7
Albany Co. HD (T)	0101-13	355	30.6 [01/07]	30.0 [11/05]	28.7 [02/25]	24.6	29.7	26.8	27	11.6	8.3	8.4	8.9	9.3	9.9	10.6	9.9
Loudonville (F)	0101-33	101	24.8 [07/20]	24.6 [07/08]	22.5 [11/05]	22.5	---	---	---	8.3	8.5	9.6	6.6	8.3	---	---	---

Sampling at 0101-13 was suspended on 10/19/01; sampling recommenced on 10/22/02.
Sampling was terminated at 0101-33 and 4601-05 on 03/31/2003. Sampling resumed at 0101-33 on 01/01/08.

(Annual Means in parentheses are based on less than 75% available data) N=NAMS (National Air Monitoring Station) [Date of Occurrence, Hour]
*New York and Federal Ambient Air Quality Standard + Denotes a contravention of NYS/Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **4**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Loudonville	0101-33	0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3
Schenectady	4601-05	0.5	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.3

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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> 9 PPM**
Loudonville	0101-33	8,494	97	0	1.5 [02/25, 09]	1.2 [02/25, 06]	1.2 [02/25, 08]	8,543	0	1.0 [02/25, 09]	0.9 [01/01, 21]	0.9 [03/07, 10]	0
Schenectady	4601-05	8,619	99	0	3.0 [01/08, 09]	2.7 [01/07, 09]	2.7 [01/07, 18]	8,601	0	1.8 [01/07, 01]	1.8 [01/08, 01]	1.7 [01/06, 24]	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 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Loudonville	0101-33	.026	.026	.022	.026	.027	.025	.025	.027	.026	.028	0.026
Schenectady	4601-05	.022	.023	.021	.024	.024	.023	.021	.023	.020	.022	0.021
Grafton Lake State Park	4153-04	--	--	--	--	.037	.037	.035	.037	.033	.034	0.034

Sampling at 4153-04 commenced on 12/07/01

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years (standard was **changed** from 0.08 on 5/27/08)*			
		Observations			Highest Values, PPM							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
Loudonville	0101-33	8,297	94	0	.107 [07/12, 17]	.096 [09/05, 16]	.089 [04/19, 16]	.082 [04/18, 17]	.066 [05/25]	.075 [05/24]	.077 [04/18]	.072
Schenectady	4601-05	8,541	97	0	.096 [07/12, 18]	.092 [09/05, 17]	.078 [06/13, 17]	.078 [06/14, 13]	.061 [08/18]	.067 [05/25]	.071 [04/19]	.066
Grafton Lake	4153-04	8,535	97	0	.097 [07/12, 18]	.096 [06/13, 22]	.090 [04/19, 17]	.083 [09/05, 16]	.071 [05/25]	.078 [06/08]	.075 [04/18]	.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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region **5**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB *)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Piseco Lake	2050-01	0.8	1.0	1.1	1.2	1.1	1.1	0.8	0.7	0.6	0.7	0.6
Whiteface Mtn. - Lodge	1567-04	1.0	1.1	1.0	1.4	1.3	1.0	0.8	1.1	1.0	0.9	0.8
Paul Smiths College	1655-01	–	–	–	–	–	–	0.9	1.2	0.9	1.0	0.7

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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**
Piseco Lake	2050-01	8,505	97	2,795	0	11 [01/05, 18]	11 [01/05, 21]	10 [02/15, 09]	358	0	6 [01/05]	4 [01/04]	4 [02/15]
Whiteface Mtn. -Lodge	1567-04	8,518	97	2,798	0	9 [11/24, 18]	9 [11/24, 21]	8 [02/15, 09]	359	0	6 [01/05]	5 [11/05]	5 [11/24]
Paul Smiths College	1655-01	8,647	98	2,839	0	8 [01/05, 03]	8 [01/05, 12]	8 [01/05, 24]	365	0	7 [01/05]	5 [01/22]	4 [01/04]

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

N=NAMS (National Air Monitoring Station)

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

INHALABLE PARTICULATES - Wedding Sampler

NYSDEC Region **5**

Annual Averages 1995 through 2005

Annual Arithmetic Mean (ug/m^3)

Station	**Site No.**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**3 Yr Exp Val**
Saratoga (H. Val)	4501-04	18	20	19	19	xx	xx	xx	xx	xx	xx	xx	xx
Glens Falls (North.)	5601-04	18	(18)	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Whiteface Mtn. Base (Northern)	1567-04	11	9	11	12	10	7	8	8	(10)	10	xx	xx

Sampling at 5601-04 was terminated on 08/28/96 and at 4501-04 on 12/31/98.
Lab results not received for 1567-04 for 2005. Sampling terminated at 1567-04 on 12/31/2005.

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

Mea=Measured

Est=Estimated
+ Denotes a contravention of NYS/Federal AAQS

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

NYSDEC Region **5**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008
(Average of last 3 years' annual means not to exceed 15 $\mu g/m^3$ *;
and average of 98th percentile for last 3 years not to exceed 35 $\mu g/m^3$ *, *changed* from 65 $\mu g/m^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr avg	1st	2nd	3rd	4th	2008	2007	2006	3-yr avg
Whiteface Base (F)	1567-04	58	15.5 [04/18]	10.3 [06/29]	9.8 [07/17]	10.3	20.7	18.8	17	4.3	5.0	4.5	3.3	4.3	5.6	5.4	5.1
Whiteface Base (T)	1567-04	364	36.5 [07/08]	34.1 [07/09]	26.5 [07/18]	17.9	21.8	18.9	20	4.4	5.1	6.2	5.2	5.2	5.4	6.1	5.6

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

N=NAMS (National Air Monitoring Station)

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

OZONE - Continuous UV Light Absorption

NYSDEC Region **5**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Stillwater	4567-01	.031	.032	.029	.032	.032	.035	.032	.033	.029	.032	.030
Whiteface Mtn. Summit	1567-03	.039	.044	.041	.041	(.041)	.046	(.046)	(.041)	.040	.043	.038
Whiteface Mtn. Base	1567-04	.039	.039	.032	.036	.039	.038	.036	.036	.035	.035	.034
Piseco Lake	2050-01	.031	.032	.029	.031	.031	.031	.031	.029	.030	.030	.029

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years (standard was **changed** from 0.08 on 5/27/08)*			
		Observations			Highest Values, PPM							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
Stillwater	4567-01	8,613	98	0	.100 [07/12, 18]	.095 [09/05, 18]	.093 [04/19, 15]	.088 [06/10, 13]	.073 [07/10]	.081 [05/24]	.078 [06/10]	.077 +
Whiteface Mtn. Summit	1567-03	8,366	95	0	.097 [04/20, 02]	.085 [04/19, 24]	.081 [04/18, 19]	.080 [07/18, 22]	.071 [08/18]	.084 [06/26]	.075 [07/18]	.076 +
Whiteface Mtn. Base	1567-04	8,617	98	0	.087 [04/18, 17]	.083 [07/18, 22]	.077 [04/20, 04]	.074 [04/19, 16]	.071 [07/17]	.078 [04/23]	.071 [04/22]	.073
Piseco Lake	2050-01	8,605	97	0	.084 [04/19, 21]	.079 [04/18, 11]	.076 [07/19, 14]	.073 [04/22, 17]	.069 [05/25]	.073 [06/01]	.070 [04/21]	.070

(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 NYS/Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region **6**

Annual Averages 1998 through 2008

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

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Nick's Lake	2167-03	0.7	0.9	0.9	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.6

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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**	**>0.5 PPB**	**1st**	**2nd**	**3rd**	**Total**	**>.14 PPB**	**1st**	**2nd**	**3rd**
Nick's Lake	2167-03	8,378	95	2,754	0	11 [01/05, 15]	9 [01/05, 18]	9 [11/24, 14]	351	0	6 [01/22]	5 [01/05]	4 [01/27]

(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 - Wedding Sampler

NYSDEC Region **6**

Annual Averages 1995 through 2005

Annual Arithmetic Mean (ug/m^3)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	3 Yr Exp Val
Utica	3202-01	19	20	19	21	xx	xx	xx	xx	xx	xx	xx	xx
Nick's Lake	2167-03	11	13	11	12	12	9	10	12	(11)	13	xx	xx

Sampling at 3202-01 was terminated on 12/31/98.
Lab results not received for 2167-03 for 2005. Sampling terminated at 2167-03 on 12/31/2005.

(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 2008

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

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr avg	1st	2nd	3rd	4th	2008	2007	2006	3-yr avg
Utica (T)	3202-01	350	35.1 [02/26]	29.9 [02/25]	29.8 [07/19]	26.1	29.6	25.8	27	13.6	8.0	8.4	10.5	10.1	10.1	10.3	10.2
Potsdam (F)	4477-01	45	17.0 [04/18]	11.8 [03/07]	11.7 [02/24]	17.0	18.9	19.0	18	7.1	5.9	5.0	4.1	5.5	6.0	5.9	5.8

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

N=NAMS (National Air Monitoring Station)

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

OZONE - Continuous UV Light Absorption

NYSDEC Region **6**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Perch River	2223-01	.035	.036	.029	.041	.040	.036	.032	.034	.030	.032	.030
Camden	3255-01	.024	.026	.023	.026	.029	.027	.025	.024	.024	.026	.025
Nick's Lake	2167-03	.028	.029	.027	.029	.029	.029	.028	.029	.027	.029	.028

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.075 ppm during the last 3 years (standard was **changed** from 0.08 on 5/27/08)*			
		Observations			Highest Values, PPM							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
Perch River (Operated 03/12 - 12/29)	2223-01	6,802	97	0	.085 [04/18, 15]	.082 [05/07, 13]	.081 [04/19, 16]	.080 [09/03, 18]	.072 [07/17]	.083 [09/06]	.071 [07/18]	.075
Camden (Operated 03/06 - 11/13)	3255-01	5,832	96	0	.084 [04/19, 21]	.083 [04/18, 18]	.081 [04/20, 01]	.076 [06/13, 15]	.062 [05/25]	.072 [06/01]	.068 [04/17]	.067
Nick's Lake	2167-03	8,572	97	0	.090 [04/19, 23]	.085 [04/20, 01]	.081 [04/18, 18]	.073 [04/26, 15]	.067 [05/04]	.075 [06/01]	.069 [04/22]	.070

Due to EPA Waiver, % Availability may be based on operational year of less than 12 months (Perch River, Camden)

(Annual Means in parentheses are based on less than 75% available data) N=NAMS (National Air Monitoring Station) [Date of Occurrence, Hour]

*Federal Ambient Air Quality Standard + Denotes a contravention of NYS/Federal AAQS (Note: .08 PPM standard is not exceeded unless avg. Of 4th max 8-hr concentrations > .084 PPM))

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **7**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm) - Primary Standard
(12 month average not to exceed 0.03 PPM *)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Camp Georgetown	2655-01	–	–	–	.002	.002	.002	.002	.002	.002	.002	.002
East Syracuse	3353-09	.002	.002	.003	.003	.003	.003	.003	.002	.002	.002	.002

Sampling at 2655-01 commenced on 05/11/01, after termination of Low-level sampling.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 0.5 PPM more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 0.14 PPM more than once per calendar year *				
				Observations		Highest Values, PPM			Observations		Highest Values, PPM Midnight - Midnight		
Station	**Site No.**	**Total Obs.**	**% Avail**	**Total**	**>0.5 PPM**	**1st**	**2nd**	**3rd**	**Total**	**>.14 PPM**	**1st**	**2nd**	**3rd**
Camp Georgetown	2655-01	8,621	98	2,834	0	.019 [01/05, 12]	.018 [01/05, 15]	.015 [01/04, 12]	362	0	.014 [01/05]	.011 [01/04]	.009 [01/22]
East Syracuse	3353-09	8,504	97	2,789	0	.015 [01/05, 12]	.015 [01/05, 15]	.012 [01/04, 15]	359	0	.010 [01/05]	.008 [01/22]	.008 [03/03]

(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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region **7**

Annual Averages 1991 through 2001

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB *)

Station	**Site No.**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**
Camp Georgetown	2655-01	---	2.1	2.6	2.6	1.6	2.1	1.9	1.8	1.9	1..8	(3.0)

Low-level sampling was terminated on 05/10/01.

(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 2008
(Average of last 3 years' annual means not to exceed 15 $\mu g/m^3$ *;
and average of 98th percentile for last 3 years not to exceed 35 $\mu g/m^3$ *, *changed* from 65 $\mu g/m^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr avg	1st	2nd	3rd	4th	2008	2007	2006	3-yr avg
East Syracuse (F)	3353-09	105	23.4 [06/14]	22.1 [11/05]	22.0 [07/26]	22.0	31.5	19.2	24	9.3	7.9	8.6	6.9	8.2	9.8	8.0	8.7

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

N=NAMS (National Air Monitoring Station)

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

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **7**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Syracuse	3301-22	0.6	0.5	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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**
Syracuse	3301-22	8,691	99	0	2.0 [11/06, 22]	1.9 [11/06, 19]	1.9 [11/06, 20]	8,735	0	1.7 [11/06, 23]	1.7 [11/07, 01]	1.3 [01/10, 23]	0

(Annual Means in parentheses are based on less than 75% available data)
*New York Ambient Air Quality Standard (AAQS)
+ Denotes a contravention of New York State AAQS

N=NAMS (National Air Monitoring Station)
** Federal Ambient Air Quality Standards - Primary (260 ug/m^3) and Secondary (150 ug/m^3)
++ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **7**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Fulton/Granby	3754-01	---	---	---	---	---	.035	.031	.034	.031	.031	.029
East Syracuse	3353-09	.025	.027	.024	.027	.028	.025	.023	.028	.026	.028	.027
Camp Georgetown	2655-01	.031	.034	.030	.033	.034	.033	.030	.033	.031	.033	.030

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years (standard was **changed** from 0.08 on 5/27/08)*			
		Observations			Highest Values, PPM							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
Fulton/Granby (oper. 03/19-12/04)	3754-01	5,802	93	0	.088 [04/19, 16]	.087 [04/18, 17]	.083 [06/11, 17]	.079 [04/17, 20]	.073 [05/29]	.078 [06/02]	.071 [04/22]	.074
East Syracuse	3353-09	8,520	96	0	.090 [04/18, 16]	.087 [04/19, 23]	.083 [04/20, 01]	.076 [06/11, 18]	.071 [06/18]	.081 [06/01]	.070 [04/17]	.074
Camp Georgetown	2655-01	8,620	98	0	.101 [04/19, 20]	.082 [04/18, 16]	.082 [06/13, 22]	.080 [04/20, 01]	.069 [05/25]	.077 [05/25]	.072 [04/22]	.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 NYS/Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **8**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm) - Primary Standard (12 month average not to exceed 0.03 PPM *)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Rochester	2701-08	.008	.005	.006	.008	.005	.006	(.006)	xx	xx	xx	xx
Rochester	2701-01	.010	.007	.006	.006	.005	.005	(.006)	xx	xx	xx	xx
Rochester	2701-22	--	--	--	--	--	--	(.005)	.004	.004	.004	.003
Elmira	0701-05	.003	.004	.003	.004	.004	.004	.003	.003	.003	.003	.003

Sampling at 2701-08 was terminated on 05/05/04, at 2701-01 on 04/19/04; sampling commenced at 2701-22 on 05/18/04.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 0.5 PPM more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 0.14 PPM more than once per calendar year *				
				Observations		Highest Values, PPM			Observations		Highest Values, PPM Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1st	2nd	3rd	Total	>.14 PPM	1st	2nd	3rd
Rochester 2	2701-22	8,135	93	2,671	0	.030 [08/03, 21]	.023 [01/15, 24]	.020 [02/23, 12]	342	0	.010 [01/27]	.010 [02/23]	.009 [01/04]
Elmira	0701-05	8,654	99	2,857	0	.020 [01/27, 06]	.019 [01/17, 12]	.019 [01/27, 09]	364	0	.014 [01/27]	.012 [01/04]	.011 [02/03]

(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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region **8**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB *)

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Pinnacle	5001-04	--	--	--	--	--	--	--	--	--	1.8	1.7

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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**
Pinnacle	5001-04	8,340	95	2,632	0	29 [01/29, 06]	24 [01/05, 12]	23 [02/26, 15]	353	0	17 [01/05]	14 [02/26]	13 [01/04]

(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 - R&P Model 2025 Sampler

NYSDEC Region **8**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ug/m^3)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	3 Yr Exp Val
Rochester (R&P)	2701-22	--	--	--	--	--	--	--	--	--	15	13	--

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		24-Hour Concentrations - ug/m^3							# of Days > 150 ug/m^3 - Not to exceed an expected avg of one per year during the last 3 years *						
			Maximum		2nd Max.		3rd Max.		2006		2007		2008		
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
Rochester (R&P)	2701-22	51	33	01/31	30	02/24	26	07/17	-	--	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

R&P=R&P Model 2025 Sampler

Mea=Measured Est=Estimated

+ 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 2008
(Average of last 3 years' annual means not to exceed 15 $\mu g/m^3$ *;
and average of 98th percentile for last 3 years not to exceed 35 $\mu g/m^3$ *, *changed* from 65 $\mu g/m^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr avg	1st	2nd	3rd	4th	2008	2007	2006	3-yr avg
Rochester 2 (F)	2701-22	115	32.1 [01/28]	25.0 [07/08]	23.8 [11/05]	23.8	30.9	25.6	27	10.8	8.1	9.4	7.7	9.0	9.9	9.4	9.4
Rochester 2 (T)	2701-22	345	27.4 [04/19]	26.7 [04/18]	26.7 [07/28]	23.3	32.0	28.6	28	10.2	7.9	7.5	7.9	8.4	9.3	10.2	9.3
Pinnacle (F)	5001-04	320	35.5 [07/19]	29.7 [07/08]	27.2 [07/18]	22.3	26.7	25.6	25	7.4	8.7	10.0	5.9	8.0	8.1	8.2	8.1
Pinnacle (T)	5001-04	254	37.0 [07/19]	29.4 [07/18]	28.4 [07/28]	26.3	32.9	26.5	29	7.7	9.6	11.5	2.6	7.8	9.4	9.6	8.9

FRM sampling at 2701-22 commenced on 08/01/04; TEOM sampling at 2701-22 commenced on 06/01/04 and at 5001-04 on 01/19/06.

(Annual Means in parentheses are based on less than 75% available data) N=NAMS (National Air Monitoring Station) [Date of Occurrence, Hour]
*New York and Federal Ambient Air Quality Standard + Denotes a contravention of NYS/Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **8**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Rochester	2701-08	0.5	0.5	0.4	0.4	0.4	0.5	(0.5)	xx	xx	xx	xx
Rochester Downtown	2701-01	0.6	0.7	0.6	0.5	0.5	0.5	(0.5)	xx	xx	xx	xx
Rochester 2	2701-22	--	--	--	--	--	--	(0.5)	0.5	0.5	0.4	0.3

Sampling at 2701-08 was terminated on 05/05/04, at 2701-01 on 04/19/04; sampling commenced at 2701-22 on 05/18/04.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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	8,157	93	0	1.3 [11/23, 22]	1.2 [01/24, 18]	1.2 [11/01, 22]	8,153	0	1.1 [11/24, 03]	1.0 [01/24, 22]	1.0 [11/03, 24]	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 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Rochester	2701-08	.025	(.024)	.023	.026	.028	.025	(.025)	xxx	xxx	xxx	xxx
Rochester 2	2701-22	–	–	–	–	–	--	(.019)	.023	.024	.026	.026
Williamson	5863-01	.031	.034	.028	.029	.032	.032	.029	.029	.029	.033	.031
Elmira	0701-05	.024	.026	.023	.026	.027	.024	.024	.025	.024	.027	.024
Pinnacle	5001-04	–	–	–	–	–	--	–	--	.034	.036	.032

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years (standard was **changed** from 0.08 on 5/27/08)*			
		Observations			Highest Values, PPM							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
Rochester 2 (G-F Lakes)	2701-22	8,059	91	0	.092 [04/18, 16]	.089 [07/07, 16]	.087 [04/19, 18]	.084 [07/18, 16]	.081 [06/17]	.081 [08/03]	.078 [07/07]	.080 +
Williamson (G-F Lakes) (Operated 03/31 - 11/13)	5863-01	5,355	98	0	.091 [04/18, 17]	.087 [04/19, 18]	.082 [04/20, 01]	.079 [04/17, 16]	.064 [08/07]	.078 [06/02]	.073 [04/17]	.071
Elmira (S. Tier West)	0701-05	8,653	98	0	.092 [04/19, 22]	.081 [04/18, 15]	.081 [04/20, 01]	.078 [06/13, 19]	.067 [08/18]	.071 [05/23]	.070 [06/13]	.069
Pinnacle (S. Tier West)	5001-04	8,318	94	0	.085 [04/19, 19]	.080 [05/14, 14]	.077 [04/18, 18]	.077 [04/20, 01]	.069 [06/18]	.075 [09/07]	.069 [04/17]	.071

(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 NYS/Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **9**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm) - Primary Standard (12 month average not to exceed 0.03 PPM *)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Niagara Falls	3102-25	.004	.005	.005	.004	.004	.004	.003	.003	.002	.003	.002
Buffalo	1401-18	.007	.007	.007	.007	.006	.005	.003	.004	.003	.003	.002
Tonawanda	1472-04	.009	.010	.010	.010	.011	.009	.008	.006	.004	.004	xxx
Brookside Terrace	1472-14	--	--	--	--	--	--	--	--	--	(.003)	.003

Sampling at 1472-04 was terminated on 12/31/07

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

				3-Hour Block Averages Maximum not to exceed 0.5 PPM more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 0.14 PPM more than once per calendar year *				
		One-Hour Averages		Observations		Highest Values, PPM			Observations		Highest Values, PPM Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1st	2nd	3rd	Total	>.14 PPM	1st	2nd	3rd
Niagara Falls	3102-25	8,686	99	2,856	0	.020 [11/24, 15]	.016 [01/27, 12]	.014 [01/27, 09]	365	0	.012 [01/27]	.010 [11/24]	.008 [01/05]
Buffalo	1401-18	8,635	98	2,845	0	.021 [04/09, 21]	.018 [11/24, 15]	.017 [11/12, 18]	363	0	.012 [01/27]	.010 [01/05]	.009 [01/04]
Brookside Terrace	1472-14	8,278	94	2,717	0	.038 [06/02, 12]	.028 [11/05, 15]	.027 [09/24, 15]	346	0	.013 [01/04]	.012 [01/27]	.010 [01/22]

(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 1998 through 2008

Annual Arithmetic Mean (ppm) - Primary Standard

(12 month average not to exceed 0.03 PPM *)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Jamestown	0602-07	.008	.008	.008	.009	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Dunkirk	0601-04	--	.008	.008	.008	.007	.007	.005	.004	.003	.003	.003

Sampling at 0602-07 was terminated on 07/12/01.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One-Hour Averages		3-Hour Block Averages Maximum not to exceed 0.5 PPM more than once per calendar year *					24 Hour Average (Calendar Day) Maximum not to exceed 0.14 PPM more than once per calendar year *				
				Observations		Highest Values, PPM			Observations		Highest Values, PPM Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1st	2nd	3rd	Total	>.14 PPM	1st	2nd	3rd
Dunkirk	0601-04	8,040	92	2,649	0	.047 [02/02, 03]	.047 [12/28, 15]	.046 [01/30, 06]	340	0	.021 [01/30]	.020 [12/28]	.015 [02/02]

(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 (Low Level)

NYSDEC Region **9**

Annual Averages 1998 through 2008

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

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Westfield	0675-01	5.2	5.2	5.2	4.8	4.1	4.3	3.5	3.5	2.7	2.7	3.0

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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
Westfield	0675-01	8,545	97	2,811	0	29 [01/26, 24]	24 [02/29, 012	24 [12/08, 21]	361	0	11 [01/05]	10 [01/27]	10 [02/24]

(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 - Wedding Sampler or R&P Model 2025 Sampler

NYSDEC Region **9**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (µg/m^3)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	3 Yr Exp Val
Niagara Falls (W)	3102-17	21	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Niagara Falls (W)	3102-25	24	20	17	18	17	17	17	xx	xx	xx	xx	xx
Niagara Falls (R&P)	3102-25	--	--	--	--	--	--	20	24	21	21	22	21
N. Tonawanda (W)	3103-07	21	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Lewiston (W)	3152-02	19	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Jamestown (W)	0602-04	18	20	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Jamestown (W)	0602-07	20	22	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Westfield (W)	0675-01	16	17	14	14	12	12	11	xx	xx	xx	xx	xx

Lab results not received for Wedding Samplers (3102-25 and 0675-01) for 2005.
Sampling was terminated at Wedding Samplers (3102-25 and 0675-01) on 12/31/2005.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		24-Hour Concentrations - µg/m^3							# of Days > 150 µg/m^3 - Not to exceed an expected avg of one per year during the last 3 years *						
			Maximum		2nd Max.		3rd Max.		2006		2007		2008		
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	114	62	04/18	59	11/05	51	09/03	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 W=Wedding Sampler R&P=R&P Model 2025 Sampler

Mea = Measured Est. = Estimated
+ Denotes a contravention of NYS/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 2008
(Average of last 3 years' annual means not to exceed 15 $\mu g/m^3$ *;
30d average of 98th percentile for last 3 years not to exceed 35 $\mu g/m^3$ *, *changed* from 65 $\mu g/m^3$ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values			98th Percentile				Quarterly Averages, 2008				Annual Mean			
			1st	2nd	3rd	2008	2007	2006	3-yr avg	1st	2nd	3rd	4th	2008	2007	2006	3-yr avg
Buffalo (F)	1401-18	337	34.0 [04/18]	31.9 [07/18]	30.2 [07/19]	27.4	34.9	28.4	30	11.7	10.6	11.8	8.7	10.7	11.9	11.0	11.2
Buffalo (T)	1401-18	362	38.0 [04/18]	34.2 [11/04]	32.1 [11/05]	27.6	38.0	28.8	31	11.9	10.6	12.1	10.9	11.4	12.5	11.4	11.8
Lackawanna (F)	1402-14	113	27.5 [11/05]	26.6 [07/08]	26.5 [01/28]	26.5	34.6	28.2	30	11.1	8.7	11.1	8.4	9.8	11.7	10.8	10.8
Grand Island Blvd (T)	1472-13	340	36.3 [07/18]	35.9 [04/18]	32.5 [04/19]	28.9	---	---	---	12.0	11.8	12.9	10.7	11.8	---	---	---
Brookside Terrace (T)	1472-14	350	38.3 [07/18]	35.7 [04/18]	33.7 [04/19]	29.2	---	---	---	12.5	12.8	12.8	10.1	12.0	---	---	---
Niagara Falls (F)	3102-25	113	29.6 [01/28]	27.5 [04/18]	23.8 [11/05]	23.8	30.6	27.3	27	10.9	9.1	10.1	8.8	9.7	10.9	10.5	10.4
Niagara Falls (T)	3102-25	357	36.2 [04/19]	33.1 [04/18]	32.6 [07/18]	27.9	34.0	30.9	31	11.2	10.4	11.0	10.9	10.9	11.3	11.2	11.1
Westfield (F)	0675-01	108	24.5 [07/17]	23.3 [07/26]	21.5 [07/20]	21.5	32.0	24.3	26	8.4	7.4	10.1	6.1	8.0	9.7	8.4	8.7

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

N=NAMS (National Air Monitoring Station)

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

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **9**

Annual Averages 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Niagara Falls	3102-25	0.4	0.4	0.4	0.3	0.4	0.4	0.2	0.2	0.2	0.2	0.3
Buffalo	1401-18	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
Buffalo Downtown	1401-31	0.6	0.6	0.5	0.5	(0.4)	xx	xx	xx	xx	xx	xx
Brookside Terrace	1472-14	--	--	--	--	--	--	--	--	--	0.4	(0.3)

Sampling at 1401-31 was terminated on 03/24/2002; sampling at 1472-14 commenced on 07/03/2007 and terminated on 09/09/08.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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	8,692	99	0	1.4 [11/05, 24]	1.3 [03/14, 08]	1.3 [11/05, 020	8,750	0	1.2 [11/06, 02]	1.1 [11/05, 24]	0.8 [04/19, 04]	0
Buffalo	1401-18	8,190	92	0	1.6 [01/17, 11]	1.6 [11/05, 08]	1.5 [01/22, 08]	8,209	0	1.1 [11/05, 08]	1.0 [03/14] 10]	1.0 [11/04, 01]	0
Brookside Terrace	1472-14	5,757	95	0	1.3 [03/10, 07]	1.0 [03/14, 09]	0.9 [03/10, 08]	5,778	0	0.7 [02/17, 06]	0.7 [03/10] 08]	0.7 [03/13, 07]	0

(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 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 1998 through 2008

Annual Arithmetic Mean (ppm)

Station	Site No.	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Westfield	0675-01	.036	.036	.033	.035	.038	.034	.033	.035	.034	.036	.034
Dunkirk	0604-01	---	.036	.031	.032	.034	.033	.032	.033	.033	.034	.032
Middleport	3120-02	.031	.033	.028	.030	.034	.034	.030	.036	.032	.036	.033
Amherst	1451-03	.028	.028	.026	.028	.031	.028	.028	.030	.028	.030	.029

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		One Hour Averages							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years (standard was **changed** from 0.08 on 5/27/08)*			
		Observations			Highest Values, PPM							
Station	**Site No.**	**Total Obs.**	**% Avail**	**>.12 PPM**	**1st**	**2nd**	**3rd**	**4th**	**2006**	**2007**	**2008**	**Avg**
Westfield	0675-01	8,479	96	0	.084 [07/18, 16]	.080 [05/30, 20]	.078 [04/18, 16]	.078 [07/28, 18]	.075 [05/31]	.083 [08/03]	.072 [04/19]	.076 +
Dunkirk	0604-01	8,051	91	0	.103 [07/28, 18]	.097 [07/18, 15]	.093 [04/19, 15]	.089 [04/18, 16]	.083 [05/30]	.086 [06/02]	.084 [07/18]	.084 +
Middleport (Operated 04/01 - 11/03)	3120-02	5,109	99	0	.084 [04/18, 16]	.081 [04/19, 14]	.080 [07/18, 14]	.079 [07/12, 14]	.074 [07/02]	.082 [06/25]	.074 [07/18]	.076 +
Amherst	1451-03	8,641	98	0	.088 [08/22, 17]	.087 [07/18, 17]	.082 [04/18, 15]	.080 [04/19, 17]	.083 [07/16]	.085 [08/03]	.076 [08/22]	.081 +

(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 **9**

Annual Averages 1998 through 2008

Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Buffalo	1401-18	.021	.021	.021	.018	.015	.019	.015	.016	.012	.014	.012
Amherst	1451-03	.008	.007	.008	.006	.005	.006	.005	.006	.003	.006	(.006)

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

Station	**Site No.**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Buffalo	1401-18	.021	.022	.022	.021	.020	.020	.018	.019	.016	.016	.015
Amherst	1451-03	.015	.016	.015	.015	.013	.013	.012	.013	.011	.010	(.010)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2008

		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	8,315	95	.365 [03/14, 07]	.318 [11/05, 08]	.281 [01/22, 08]	8,315	95	.099 [01/22, 02]	.089 [03/18, 07]	.088 [04/03, 07]
Amherst	1451-03	5,289	60	.085 [03/10, 08]	.076 [03/10, 07]	.066 [04/15, 07]	5,289	60	.056 [03/10, 08]	.055 [03/10, 02]	.055 [03/10, 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

LEAD - High Volume Air Samplers (Glass Fiber Filters)

NYSDEC Region **9**

Annual Geometric Means (µg/m^3) 1995 through 2005

Station	**Site No.**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**
Buffalo	1401-29	0.03	0.03	0.03	0.03	xxx	xxx	xxx	xxx	xxx	xxx	xx
Buffalo	1401-32	(0.03)	xxx	xxx	xxx	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

Sampling at 3102-09 was terminated on 09/19/97; sampling at 1401-29 was terminated on 12/31/98;
Lab results not received for 3102-25 for 2004 and 2005. Sampling terminated at 3102-25 on 12/31/2005.

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

+ Denotes a contravention of New York State/Federal AAQS