

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **1**

Metropolitan Air Quality Control Region

Annual Averages 1994 through 2004

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

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Babylon	5150-02	.007	.005	.008	.006	.007	.007	(.010)	xxx	xxx	xxx	xxx
Eisenhower Park	2950-10	.008	.006	.006	.005	.006	.006	.006	.005	.004	.005	.004

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station		Site No.		One-Hour Averages		Running 3-Hour Averages			24 Hour Average (Calendar Day)				
						Maximum not to exceed 0.5 PPM more than once per calendar year *			Maximum not to exceed 0.14 PPM more than once per calendar year *				
						Observations		Highest Values, PPM Non-Overlapping			Observations		Highest Values, PPM Midnight - Midnight
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1 st	2 nd	3 rd	Total	>.14 PPM	1 st	2 nd	3 rd
Eisenhower Park	2950-10	8,468	96	8,328	0	.042 [12/21, 10]	.039 [03/01, 08]	.039 [12/22, 07]	356	0	.022 [03/01]	.021 [12/21]	.020 [11/18]

(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

INHALABLE PARTICULATES - Wedding Sampler

NYSDEC Region **1**

Metropolitan Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ug/m³)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	3 Yr Exp Val
Babylon (Farmingdale)	5150-01	22	18	18	19	19	xx						
Eisenhower Park	2950-10	24	20	18	21	18	16	17	17	18	18	15	17
Roslyn Heights	2951-03	--	(18)	20	23	20	xx						

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		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		2 nd Max.		3 rd Max.		2002		2003		2004		Exp Avg	
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea		Est
Eisenhower Park (W)	2950-10	58	46	06/08	35	07/02	32	07/20	0	0.0	0	0.0	0	0.0	0.0

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

N=NAMS (National Air Monitoring Station)

Mea=Measured

Est=Estimated

*New York and Federal Ambient Air Quality Standard

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

NYSDEC Region **1**

Metropolitan Air Quality Control Region

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

(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 65 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
Eisenhower Park(T)	2950-10	350	47.8 [07/22]	45.4 [06/09]	44.4 [05/12]	32.4	38.9	37.0	36	12.0	14.8	14.2	11.6	13.2	13.5	13.4	13.4
Hempstead (F)	2950-18	119	38.6 [05/12]	35.7 [06/08]	30.8 [07/23]	30.8	39.3	31.9	34	10.9	13.8	11.4	9.2	11.3	12.4	11.4	11.7
Briarcliffe College (F)	2950-21	xx	xx	xx	xx	xx	25.8	30.7	xx	xx	xx	xx	xx	xx	(10.9)	11.2	xx
East Hills School(F)	2950-22	xx	xx	xx	xx	xx	26.1	30.3	xx	xx	xx	xx	xx	xx	(10.7)	11.3	xx
Babylon (F)	5150-01	122	36.9 [05/12]	34.3 [06/08]	30.9 [07/23]	30.9	38.8	30.9	34	9.6	12.3	11.6	9.2	10.7	11.9	11.4	11.3

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

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance) - not applicable for standards compliance

* Federal Ambient Air Quality Standard
+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **1**

Metropolitan Air Quality Control Region

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

N=NAMS (National Air Monitoring Station) [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
Metropolitan Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Babylon	5150-02N	.027	.025	.023	.024	.025	.025	.023	.023	.024	.025	.024
Riverhead	5155-01	.035	.032	.035	.036	.040	.035	.034	.030	.033	.030	(.029)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One Hour Averages							4 th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Babylon	5150-02N	8,557	97	0	.103 [07/21, 18]	.101 [06/09, 15]	.097 [09/04, 17]	.094 [07/22, 15]	.108 [08/13]	.094 [06/24]	.081 [07/22]	.094 +
Riverhead (Operated 04/01-	5155-01	3,793	73	0	.104 [06/09, 16]	.085 [06/08, 17]	.083 [05/12, 18]	.080 [05/11, 18]	.090 [08/13]	.082 [07/04]	.069 [05/11]	.080

11/02) Due to EPA Waiver for SLAMS (Non-NAMS), % Availability may be based on operational year of less than 12 months (Riverhead)

(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 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 **1**

Metropolitan Air Quality Control Region

Annual Averages 1994 through 2004

Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Eisenhower Park	2950-10	.040	.034	.034	.034	.030	.032	.028	.029	.024	.023	(.018)

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

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Eisenhower Park	2950-10	.028	.025	.026	.025	.022	.025	.024	.024	.022	.021	(.019)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		Nitric Oxide					Nitrogen Dioxide				
		One-Hour Averages					One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1 st	2 nd	3 rd	Total	% Avail	1 st	2 nd	3 rd
Eisenhower Park	2950-10	6,463	74	.562 [11/27, 08]	.530 [11/18, 08]	.503 [11/27, 09]	6,467	74	.091 [05/12, 13]	.084 [05/12, 12]	.071 [05/12, 11]

(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 Federal AAQS

INHALABLE PARTICULATES - SULFATE, NITRATE FRACTIONS

- Wedding Sampler

NYSDEC Region **1**

Metropolitan Air Quality Control Region

SULFATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
Eisenhower Park (W)	2950-10	4.6	6.0	4.1	4.3	5.5	4.4	3.8	4.8	4.8	4.4	4.0	58	95	27.6 [01/28]	18.5 [06/08]	13.1 [07/02]

NITRATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
Eisenhower Park (W)	2950-10	0.9	0.6	0.9	1.0	0.8	0.6	0.8	0.9	0.7	0.9	0.7	58	95	3.3 [01/22]	2.8 [05/09]	2.1 [06/14]

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

[Date of Occurrence]

NYSDEC Region 2

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

Metropolitan Air Quality Control Region

Annual Averages 1994 through 2004
Annual Arithmetic Mean (ppm) - Primary Standard

Manhattan and Queens Sites

(12 month average not to exceed 0.03 PPM *)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Mabel Dean	7093-05N	xxx	xxx	(.012)	.013	.011	.013	.013	(.014)	xxx	xxx	xxx
PS 59	7093-10	.017	.015	.015	.012	.012	.013	.013	.012	.012	(.014)	.010
Queens College	7096-02	(.011)	.006	.007	.005	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Queensboro Comm. College	7096-08	---	---	---	---	.006	.007	.006	.007	xxx	xxx	xxx
Queens College 2	7096-15	---	---	---	---	---	---	---	---	.006	.007	.005

Sampling at 7093-05 was terminated on 06/14/01 and terminated at 7096-08 on 12/30/01.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations	Highest Values, PPM Midnight - Midnight				
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1 st	2 nd	3 rd	Total	>.14 PPM	1 st	2 nd	3 rd
PS 59	7093-10	6,923	79	6,527	0	.087 [12/16, 07]	.056 [11/18, 10]	.048 [12/22, 05]	294	0	.037 [12/16]	.033 [11/18]	.033 [12/22]
Queens College 2	7096-15	8,310	95	8,192	0	.059 [03/01, 09]	.049 [11/18, 09]	.043 [03/01, 06]	350	0	.029 [03/01]	.028 [11/18]	.024 [01/12]

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

N=NAMS (National Air Monitoring Station)

[Date of Occurrence, Hour]

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SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region 2

Metropolitan Air Quality Control Region

Annual Averages 1994 through 2004

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

Bronx Sites

Station	Site No.	1994	1995	1996	1997	1988	1999	2000	2001	2002	2003	2004
IS 155	7094-03	.014	.010	.009	.008	.009	.010	xxx	xxx	xxx	xxx	xxx
Morrisania	7094-05	.018	.014	.014	.012	.011	.011	(.017)	xxx	xxx	xxx	xxx
Botanical Garden	7094-06	---	---	---	---	---	---	(.009)	.010	.009	.009	.009
IS 52	7094-07	---	---	---	---	---	(.014)	.011	(.013)	.010	.011	.010

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One-Hour Averages		Running 3-Hour Averages					24 Hour Average (Calendar Day)				
				Maximum not to exceed 0.5 PPM more than once per calendar year *					Maximum not to exceed 0.14 PPM more than once per calendar year *				
				Observations	Highest Values, PPM Non-Overlapping			Observations	Highest Values, PPM Midnight - Midnight				
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1 st	2 nd	3 rd	Total	>.14 PPM	1 st	2 nd	3 rd
Botanical Garden	7094-06	8,705	99	8,595	0	.070 [12/22, 09]	.058 [03/01, 08]	.057 [11/18, 09]	366	0	.036 [11/18]	.033 [12/29]	.033 [12/22]
IS 52	7094-07	8,608	98	8,492	0	.080 [09/25, 12]	.072 [12/22, 09]	.061 [03/01, 09]	365	0	.036 [12/22]	.035 [11/18]	.031 [01/12]

(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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **2**
Metropolitan Air Quality Control Region

Annual Averages 1991 through 2001

Annual Arithmetic Mean (ppm) - Primary Standard

(12 month average not to exceed 0.03 PPM *)

Brooklyn and Staten Island Sites

Station	Site No.	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Greenpoint	7095-01N	.013	.012	.010	.011	.010	(.009)	.008	.007	.007	xxx	xxx
PS 321	7095-06	.013	.009	.008	.011	.008	.009	.008	.008	.009	xxx	xxx
Susan Wagner	7097-01	.010	(.009)	(.009)	.008	.005	.006	.006	.006	.006	(.008)	xxx

Sampling at 7095-01 was terminated on 10/22/99; at 7095-06 on 12/31/1999; and at 7097-01 on 05/13/2000

(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 2

Metropolitan Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ug/m³)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	3 Yr Exp Val
Mabel Dean	7093-05N	28	24	25	26	24	21	22	(19)	xx	xx	xx	xx
Morrisania II	7094-05	29	24	26	24	24	xx						
IS 52	7094-07	--	--	--	--	--	(16)	21	(21)	21	22	18	20
Greenpoint	7095-01N	29	25	26	(26)	23	23	xx	xx	xx	xx	xx	xx
PS 314	7095-07N	31	26	27	28	26	xx						
JHS 126	7095-43	--	--	--	--	--	--	--	20	21	20	17	19
Susan Wagner	7097-01	21	19	20	19	17	16	19	16	17	16	13	15

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	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	2 nd Max.	3 rd Max.	2002	2003	2004	2002	2003	2004	2002	2003	2004		
IS 52	7094-07	57	49	06/08	40	01/16	35	07/02	0	0.0	0	0.0	0	0.0	0.0
JHS 126	7095-43	57	47	06/08	32	05/15	32	05/21	--	--	0	0.0	0	0.0	0.0
Susan Wagner	7097-01	57	41	06/08	27	11/17	27	07/20	0	0.0	0	0.0	0	0.0	0.0

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

N=NAMS (National Air Monitoring Station)

Mea=Measured

Est=Estimated

*New York and Federal Ambient Air Quality Standard

+ Denotes a contravention of NYS/Federal AAQS

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

NYSDEC Region 2

Metropolitan Air Quality Control Region

(Manhattan Sites) **Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004**

(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 65 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
JHS 45 (F)	7093-08	117	42.3 [05/12]	42.2 [06/08]	38.0 [07/23]	38.0	46.2	35.5	40	13.2	14.9	13.7	10.6	13.1	14.5	14.1	13.9
PS 59 (F)	7093-10	117	47.6 [05/12]	42.5 [07/23]	41.1 [06/08]	41.1	36.6	35.6	38	15.9	17.6	15.1	13.8	15.6	18.6	15.8	16.7 +
IS 143 (T)	7093-15	344	58.3 [07/22]	47.8 [06/09]	44.8 [06/08]	38.7	42.8	39.7	40	14.9	18.6	15.9	13.9	15.8	17.4	17.2	16.8 +
PS 64 (T)	7093-16	130	45.8 [08/20]	33.8 [08/18]	32.7 [10/08]	32.4	(22.9)	40.2	32	xx	xx	15.3	12.9	(14.1)	(13.5)	15.6	(14.4)
Manhattanville PO (T)	7093-17	362	57.8 [07/22]	45.3 [05/13]	44.6 [06/09]	33.4	34.2	43.7	37	12.9	16.9	16.2	12.8	14.7	15.6	15.7	15.3 +
Park Row (T) (WTC)	7093-18	345	56.4 [07/22]	48.6 [05/12]	45.2 [05/13]	37.4	40.0	36.5	38	12.1	17.3	16.2	12.3	14.5	15.6	16.4	15.5 +
Man. Comm. Coll. (T) (WTC)	7093-19	xx	xxx	xxx	xxx	xx	xx	33.0	--	xx	xx	xx	xx	xx	xx	14.6	xx
PS 19 (F)	7093-21	117	45.1 [05/12]	39.0 [06/08]	38.9 [07/23]	38.9	48.5	35.8	41	(16.4)	16.5	14.4	13.4	15.2	16.0	15.6	15.6 +
Albany Street (T) (WTC)	7093-22	xx	xxx	xxx	xxx	xx	28.3	36.4	--	xx	xx	xx	xx	xx	(14.5)	15.1	xx
Canal Street (F)	8100-02	120	43.2 [05/12]	39.7 [06/08]	39.1 [07/23]	39.1	46.2	33.6	40	14.7	16.6	14.5	11.9	14.4	15.8	15.4	15.2 +
Canal Street (T)	8100-02	357	57.8 [07/22]	46.3 [05/12]	44.7 [05/13]	34.0	38.6	46.0	40	13.1	17.4	16.3	12.1	14.7	15.8	(16.9)	15.8+

(Annual Means in parentheses are based on less than 75% available data)
F = Federal Reference Method

WTC = Samplers Installed after World Trade Center attack
T = TEOM (Tapered Element Oscillating Microbalance)

* Federal Ambient Air Quality Standard
+ Denotes a contravention of Federal AAQS

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

NYSDEC Region 2

Metropolitan Air Quality Control Region

(Bronx Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

(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 65 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
Morrisania (F)	7094-05	111	41.0 [07/23]	39.8 [06/08]	38.2 [05/12]	38.2	44.8	35.1	39	14.9	15.5	14.8	12.6	14.4	15.7	15.4	15.2 +
Botanical Garden (F)	7094-06	121	38.5 [06/08]	37.6 [07/23]	31.3 [05/12]	31.3	38.2	33.4	34	13.0	13.9	13.3	11.0	12.8	13.4	13.5	13.2
IS 52 (F)	7094-07	361	52.8 [07/22]	47.4 [05/13]	45.3 [05/12]	33.9	39.2	40.6	38	14.0	14.8	14.1	12.1	13.8	14.8	14.3	14.3
IS 52 (T)	7094-07	362	58.4 [07/22]	47.7 [05/12]	47.6 [05/13]	33.4	39.8	35.6	36	13.2	16.7	15.7	12.6	14.5	15.2	15.3	15.0
IS 74 (T)	7094-08	361	55.0 [07/22]	53.1 [05/12]	51.2 [05/13]	34.8	35.3	42.0	37	13.2	16.9	16.0	12.8	14.7	15.0	15.3	15.0
PS 154 (T)	7094-09	349	57.9 [07/22]	49.7 [05/13]	49.5 [05/12]	40.5	40.5	44.5	42	12.9	17.5	16.9	12.2	14.9	16.1	15.7	15.6 +

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)

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

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

NYSDEC Region 2 Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Metropolitan Air Quality Control Region

(Brooklyn and Queens Sites)

(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 65 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
PS 321 (F)	7095-06	xx	xx	xx	xx	xx	(33.4)	31.2	xx	xx	xx	xx	xx	xx	(14.2)	13.2	xx
PS 314 (F)	7095-07	xx	xx	xx	xx	xx	(25.6)	31.9	xx	xx	xx	xx	xx	xx	(12.8)	13.9	xx
PS 314 (T)	7095-07	364	53.0 [07/22]	48.8 [05/12]	40.4 [06/09]	34.7	--	--	--	12.9	16.6	15.6	12.0	14.3	--	--	--
JHS 126 (F)	7095-43	112	48.6 [05/12]	37.8 [07/23]	36.9 [06/08]	36.9	40.8	33.8	37	14.8	16.2	14.2	11.0	14.0	14.8	14.0	14.3
IS 293 (T)	7095-44	344	54.2 [07/22]	49.5 [05/12]	44.7 [06/09]	36.3	40.6	37.0	38	14.0	17.3	15.6	12.1	14.7	15.8	15.2	15.2 +
PS 274 (T)	7095-98	292	42.4 [06/09]	40.9 [06/08]	40.2 [08/20]	29.4	38.4	37.5	35	12.8	17.6	14.0	11.8	14.1	14.8	15.0	14.6
PS 29 (F)	7096-10	xx	xx	xx	xx	xx	xx	34.2	xx	xx	xx	xx	xx	xx	xx	(13.3)	xx
PS 214 (F)	7096-11	xx	xx	xx	xx	xx	(32.5)	33.0	xx	xx	xx	xx	xx	xx	(12.4)	13.1	xx
PS 199 (T)	7096-12	xx	xx	xx	xx	xx	xx	43.9	xx	xx	xx	xx	xx	xx	xx	15.8	xx
Maspeth Library (T)	7096-13	344	49.8 [05/12]	46.3 [06/09]	44.3 [06/08]	32.0	40.6	39.5	37	13.4	17.4	15.1	12.4	14.6	16.2	15.0	15.3 +
PS 219 (F)	7096-14	355	47.8 [07/22]	43.6 [05/12]	39.9 [11/18]	33.4	39.0	37.4	37	12.3	13.6	12.4	10.3	12.2	13.5	12.8	12.8
PS 219 (T)	7096-14	351	52.1 [07/22]	47.6 [05/12]	44.6 [06/09]	33.3	33.4	34.9	34	11.6	15.8	14.6	11.2	13.3	13.9	13.8	13.7

Stations 7095-01 and 7096-08 terminated operation 12/31/00; 7094-07 FRM commenced operation on 04/15/00; 7096-11 commenced operation on 04/18/00; Sampling at 7096-10 was terminated 03/02; 7096-12 terminated sampling 11/18/02; sampling at 7095-06 was terminated on 03/31/03; FRM sampling at 7095-07 was terminated on 01/24/03; sampling at 709611 was terminated on 03/31/03; TEOM sampling at 7095-07 commenced on 10/18/03.

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

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance)

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

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

NYSDEC Region 2

Metropolitan Air Quality Control Region

(Staten Island Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

(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 65 $\mu\text{g}/\text{m}^3$ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
Susan Wagner (F)	7097-01	107	37.6 [05/12]	34.3 [06/08]	33.5 [07/23]	33.5	32.3	26.7	31	11.3	11.8	13.2	9.0	11.3	11.4	10.9	11.2
Port Richmond (F)	7097-03	106	37.2 [07/23]	36.3 [06/08]	31.3 [05/24]	31.3	46.4	39.3	39	13.8	14.7	14.3	10.4	13.3	13.2	13.8	13.4
Freshkills West (T)	7097-17	342	50.4 [07/22]	39.1 [06/08]	38.1 [06/09]	32.3	33.4	37.9	35	11.3	15.1	14.6	11.5	13.1	13.3	12.9	13.1
PS 44 (T)	7097-18	347	52.3 [07/22]	39.8 [06/08]	39.5 [06/09]	36.6	36.5	38.3	37	12.4	14.9	15.0	11.9	13.6	14.8	14.1	14.2

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

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance)

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

TOTAL SUSPENDED PARTICULATES - High Volume Air Samplers

NYSDEC Region 2

Metropolitan Air Quality Control Region

Annual Geometric Means (G.M., ug/m³) 1994 through 2004

Station	Site No.	AAQS G.M. *	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Mabel Dean	7093-05	75	xx										
Midtown	7093-12	75	110+	92+	118+	117+	129+	xx	xx	xx	xx	xx	xx
Greenpoint	7095-01N	75	67	59	57	(58)	50	56	xx	xx	xx	xx	xx
Susan Wagner	7097-01	75	44	37	33	35	32	29	33	29	29	28	26
PS 26	7097-02	75	54	47	44	(43)	xx						

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	Total Obs.	24-Hour Concentrations - ug/m ³						Maximum - Not to exceed 250 ug/m ³ more than once per calendar year *		
			Maximum		2 nd Max.		3 rd Max.		Number of Observations		
			Value	Date	Value	Date	Value	Date	>150 ug/m ³ **	>250 ug/m ³ *	>260 ug/m ³ **
Susan Wagner	7097-01	59	81	10/24	61	06/08	58	05/15	0	0	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/m³) and Secondary (150 ug/m³)

++ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region 2
Metropolitan Air Quality Control Region
Traffic Sites

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
350 Canal Street	8100-02N	2.3	2.1	1.9	1.7	1.6	1.5	1.4	1.3	xx	xx	xx
Brooklyn Transit	8100-03	2.2	1.9	1.9	1.7	1.6	1.5	1.4	1.1	1.1	1.1	1.0
225 E. 34 th Street	8100-06	1.9	1.7	1.6	1.3	1.3	1.3	1.2	1.0	1.0	1.0	0.9
Bloomington	8100-07	2.4	2.7	2.5	(2.4)	(2.2)	1.7	1.5	(1.3)	xx	xx	xx

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

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		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		
Station	Site No.	Total Obs.	% Avail	>35 PPM	1 st	2 nd	3 rd	Total	>9 PPM	1 st	2 nd	3 rd	Days > 9PPM
Brooklyn Transit	8100-03	8,672	99	0	3.8 [02/03, 08]	3.6 [10/08, 08]	3.6 [12/22, 08]	8,748	0	2.9 [04/26, 17]	2.5 [02/03, 13]	2.5 [02/07, 01]	0
225 E. 34 th Street	8100-06	7,235	99	0	3.7 [05/12, 08]	3.6 [05/12, 09]	3.5 [05/12, 07]	7,279	0	2.9 [05/12, 12]	2.4 [04/26, 18]	2.2 [02/07, 02]	0

(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 (Note: 9PPM standard is not exceeded unless 8-hour avg > 9.4 PPM)

NYSDEC Region 2
Metropolitan Air Quality Control Region
Roof top (Background) Sites

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
PS 59	7093-10	1.3	1.3	1.1	1.0	1.0	1.0	0.9	0.8	0.7	(0.8)	0.7
Botanical Gardens	7094-06	---	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.6
PS 321	7095-06	0.9	0.8	0.8	0.8	0.8	0.8	xx	xx	xx	xx	xx
Queensboro Comm Coll	7096-08	---	---	---	---	0.7	0.7	0.6	0.5	xx	xx	xx
Queens College 2	7096-15	---	---	---	---	---	---	---	---	0.6	0.6	0.5

Sampling at 7095-06 was terminated on 12/31/1999 and at 7096-08 on 12/30/2001.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		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		
Station	Site No.	Total Obs.	% Avail	>35 PPM	1 st	2 nd	3 rd	Total	>9 PPM	1 st	2 nd	3 rd	Days > 9PPM
PS 59	7093-10	6,836	78	0	2.9 [05/12, 09]	2.6 [05/12, 08]	2.6 [05/12, 10]	6,734	0	2.1 [05/12, 12]	2.0 [04/26, 18]	1.9 [10/08, 12]	0
Botanical Gardens	7094-06	8,664	99	0	3.3 [03/22, 10]	2.8 [12/22, 09]	2.4 [12/22, 10]	8,709	0	2.0 [10/08, 09]	2.0 [12/22, 12]	1.8 [05/13, 12]	0
Queens College 2	7096-15	8,397	96	0	3.3 [11/11, 24]	3.1 [12/22, 09]	3.0 [12/22, 10]	8,321	0	2.4 [12/22, 10]	1.9 [11/17, 02]	1.8 [05/12, 13]	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)

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

[Date of Occurrence, Hour]

OZONE - Continuous UV Light Absorption

NYSDEC Region 2
Metropolitan Air Quality Control Region
Bronx and Brooklyn Sites

Annual Averages 1994 through 2004
Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
IS 155	7094-03	---	---	---	.020	xxx	.021	xx	xx	xx	xx	xx
Morrisania	7094-05	.017	.019	.019	.021	.023	.019	xxx	xx	xx	xx	xx
Botanical Gardens	7094-06	---	.018	.018	.017	.015	.018	.016	.017	.017	.017	.017
IS 52	7094-07	---	---	---	---	---	.007	.015	(.014)	.017	.016	.016

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 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations		Highest Values, PPM								
		Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Botanical Gardens	7094-06	8,696	99	0	.102 [07/22, 15]	.096 [07/21, 16]	.093 [06/09, 14]	.092 [06/08, 19]	.096 [07/18]	.079 [07/04]	.074 [07/21]	.083
IS 52	7094-07	8,557	97	0	.094 [06/08, 19]	.091 [07/22, 15]	.089 [06/09, 14]	.089 [08/02, 16]	.089 [07/09]	.082 [07/04]	.069 [08/23]	.080

(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 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
Metropolitan Air Quality Control Region
Manhattan and Staten Island Sites

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Mabel Dean H.S.	7093-05	---	---	---	.019	.020	.013	.011	(.014)	xxx	xxx	xxx
Susan Wagner	7097-01	.031	.030	.032	.035	.033	.033	.030	.032	.034	.029	.029

Sampling at 7093-05 on 06/14/2001.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th				
Susan Wagner (Operated 04/01 - 10/31)	7097-01	5,021	98	1	.127 + [06/08, 18]	.108 [08/20, 16]	.097 [08/04, 19]	.094 [07/02, 19]	.099 [07/18]	.086 [06/24]	.083 [08/20]	.089 +

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

(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 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
Metropolitan Air Quality Control Region
Queens Sites

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Queens College	7096-02N	.016	.017	.017	.024	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Queensboro Comm Coll	7096-08	---	---	---	---	.021	.020	.019	.021	xxx	xxx	xxx
College Point P.O.	7096-09	---	---	---	---	.015	.016	.015	.017	.018	.017	.016
Queens College 2	7096-15	---	---	---	---	---	---	---	(.017)	.019	.019	.018

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

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Total Obs.	% Avail	>.12 PPM	Highest Values, PPM							
					1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
College Point P.O.	7096-09	8,604	98	0	.082 [07/22, 14]	.081 [08/04, 21]	.076 [05/23, 14]	.076 [08/02, 16]	.082 [07/08]	.072 [06/27]	.064 [06/09]	.072
Queens College 2	7096-15	8,360	95	0	.104 [07/22, 14]	.095 [06/09, 15]	.095 [08/04, 21]	.094 [06/08, 15]	.089 [07/18]	.086 [06/24]	.075 [06/08]	.083

(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 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
Metropolitan Air Quality Control Region
Manhattan and Brooklyn Sites

Annual Averages 1994 through 2004 Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Mabel Dean	7093-05	xxx	xxx	(.036)	.038	.031	.033	.033	(.036)	xxx	xxx	xxx
PS 59	7093-10	.070	.059	.052	.047	.045	.046	.045	.042	.035	(.036)	(.030)
Greenpoint	7095-01	.033	.035	(.032)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

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

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Mabel Dean	7093-05	xxx	xxx	(.035)	.035	.036	.037	.036	(.038)	xxx	xxx	xxx
PS 59	7093-10	.046	.042	.042	.040	.040	.041	.038	.038	.038	(.038)	(.035)
Greenpoint	7095-01N	.036	.033	(.035)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx

Sampling at 7093-05 was terminated on 06/14/01; sampling at 7093-10 was suspended on 08/06/03 for roof construction.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1 st	2 nd	3 rd	Total	% Avail	1 st	2 nd	3 rd
PS 59	7093-10	5,506	63	.376 [12/22, 09]	.357 [10/08, 08]	.322 [05/12, 09]	5,506	63	.116 [05/12, 10]	.110 [05/12, 09]	.099 [07/22, 10]

(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

NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region 2

Metropolitan Air Quality Control Region

Bronx Sites

Annual Averages 1994 through 2004 Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Morrisania	7094-05	.040	.032	.032	.027	.027	.031	(.039)	xxx	xxx	xxx	xxx
Botanical Gardens	7094-06	---	.024	.023	.023	.022	.024	.023	.026	.020	.021	.017
IS 52	7094-07	---	---	---	---	---	(.030)	.025	(.027)	.022	.023	.022

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

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Morrisania	7094-05N	.039	.036	.036	.035	.036	.033	(.033)	xxx	xxx	xxx	xxx
Botanical Gardens	7094-06	---	.031	.032	.030	.030	.029	.029	.031	.028	.027	.024
IS 52	7094-07	---	---	---	---	---	(.032)	.032	(.032)	.030	.030	.030

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1 st	2 nd	3 rd	Total	% Avail	1 st	2 nd	3 rd
Botanical Gardens	7094-06	8,675	99	.473 [12/22, 09]	.402 [12/22, 08]	.347 [12/22, 10]	8,675	99	.112 [05/13, 12]	.106 [05/13, 11]	.097 [05/13, 13]
IS 52	7094-07	8,557	97	.570 [12/22, 09]	.532 [12/22, 08]	.488 [12/22, 07]	8,557	97	.113 [05/13, 12]	.112 [05/13, 11]	.108 [05/13, 13]

(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

NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region 2

Metropolitan Air Quality Control Region

Queens Sites

Annual Averages 1994 through 2004 Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Queensboro Comm. Coll.	7096-08	---	---	---	---	.019	.019	.018	.019	xxx	xxx	xxx
College Point P.O.	7096-09	---	---	---	---	.030	.034	.030	.031	.026	.030	.025
Queens College 2	7096-15	---	---	---	---	---	---	---	(.026)	.017	.020	.015

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

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Queensboro Comm. Coll.	7096-08	---	---	---	---	.027	.026	.026	.026	xxx	xxx	xxx
College Point P.O.	7096-09	---	---	---	---	.028	.029	.030	.030	.028	.030	.028
Queens College 2	7096-15	---	---	---	---	---	---	---	(.028)	.028	.027	.025

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1 st	2 nd	3 rd	Total	% Avail	1 st	2 nd	3 rd
College Point P.O.	7096-09	7,782	89	.485 [11/18, 08]	.416 [11/18, 07]	.412 [12/22, 08]	7,758	88	.102 [05/13, 11]	.100 [05/13, 12]	.098 [05/12, 11]
Queens College 2	7096-15	7,774	89	.482 [12/22, 07]	.480 [12/22, 09]	.434 [12/22, 10]	7,771	89	.144 [05/07, 15]	.108 [05/12, 11]	.098 [05/12, 12]

(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

LEAD - High Volume Air Samplers (Glass Fiber Filters)

NYSDEC Region 2

Metropolitan Air Quality Control Region

Annual Geometric Means (ug/m³) 1994 through 2004

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Midtown	7093-12	0.04	0.04	0.05	0.05	0.08	xx	xx	xx	xx	xx	xx
Greenpoint	7095-01	0.09	0.07	0.07	(0.08)	0.07	0.06	xx	xx	xx	xx	xx
PS 314	7095-07N	0.05	0.04	xx	xx	xx	xx	xx	xx	xx	xx	xx
Susan Wagner	7097-01	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.01	0.01	
PS 26	7097-02	0.03	0.03	0.03	0.03	xx						

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		24-Hour Concentrations - ug/m ³								QUARTERLY AVERAGES Maximum not to exceed 1.5 ug/m ³ *		
				Maximum	2 nd Max.		3 rd Max.		Highest Values, ug/m ³ [Quarter]			
Station	Site No.	Total Obs.	% Avail	Value	Date	Value	Date	Value	Date	1 st	2 nd	3 rd
Susan Wagner	7097-01	55	90	0.02	06/26	0.01	03/16	0.01	04/15	0.01 [3 rd]	0.01 [2 nd]	0.01 [4 th]

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

- Wedding Sampler

D - Dichotomous Sampler

[Date of Occurrence]

INHALABLE PARTICULATES - SULFATE, NITRATE FRACTIONS

- Dichotomous or Wedding Sampler

NYSDEC Region 2

Metropolitan Air Quality Control Region

SULFATE FRACTION

Annual Averages 1991 through 2001

2001 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1991	92	93	94	95	96	97	98	99	2000	01	Total	%	1 st	2 nd	3 rd
Mabel Dean (W)	7093-05	8.8	(9.0)	(5.1)	6.8	5.1	5.0	6.0	4.7	4.5	5.1	(4.5)	25	41	11.5 [05/19]	7.6 [04/01]	6.9 [02/06]
PS 59 (D)	7093-10	(7.8)	(6.8)	5.2	6.4	5.6	6.2	5.8	5.8	xx	xx	xx	xx	xx	xx	xx	xx
Midtown (D)	7093-12	(7.9)	6.6	5.7	6.9	5.9	5.2	5.9	6.3	(5.0)	xx	xx	xx	xx	xx	xx	xx

Sampling was terminated at 7093-05 on 06/15/01.

NITRATE FRACTION

Annual Averages 1991 through 2001

2001 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1991	92	93	94	95	96	97	98	99	2000	01	Total	%	1 st	2 nd	3 rd
Mabel Dean (W)	7093-05	0.1	0.8	(0.8)	1.0	1.0	1.4	1.8	1.4	0.9	1.2	(1.9)	25	41	6.9 [01/25]	4.7 [01/07]	4.5 [03/02]
PS 59 (D)	7093-10	(0.4)	(0.5)	0.4	0.5	0.5	0.7	0.6	0.6	xx	xx	xx	xx	xx	xx	xx	xx
Midtown (D)	7093-12	(0.6)	0.6	0.6	0.8	0.8	0.6	0.8	0.7	(0.6)	xx	xx	xx	xx	xx	xx	xx

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

- Wedding Sampler

D - Dichotomous Sampler

[Date of Occurrence]

INHALABLE PARTICULATES - SULFATE, NITRATE FRACTIONS

- Wedding Sampler

NYSDEC Region 2

Metropolitan Air Quality Control Region

SULFATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
IS 52	7094-07	--	--	--	--	--	(3.9)	5.1	4.6	4.6	5.3	4.2	57	93	20.0 [06/08]	10.7 [07/02]	10.6 [08/19]
Greenpoint	7095-01	6.6	4.9	4.9	(5.4)	4.6	4.6	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
JHS 126	7095-43	--	--	--	--	--	--	--	4.7	4.2	4.6	3.8	57	93	18.1 [06/08]	10.7 [07/20]	9.0 [05/15]
Port Richmond	7097-03	5.9	4.7	4.8	(5.9)	(5.0)	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx

NITRATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
IS 52	7094-07	--	--	--	--	--	(1.1)	1.1	2.0	1.0	1.2	0.8	57	93	4.1 [05/09]	3.6 [03/04]	2.7 [12/29]
Greenpoint	7095-01	1.3	1.0	1.3	(1.1)	1.2	0.8	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
JHS 126	7095-43	--	--	--	--	--	--	--	1.2	0.9	0.8	0.8	57	93	3.5 [01/22]	3.3 [05/09]	2.4 [12/29]
Port Richmond	7097-03	1.0	0.6	1.2	(1.0)	(0.5)	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region 3

Hudson Valley Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB *)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Mt. Ninham	3951-01	1.9	2.0	2.3	2.6	2.5	2.3	2.3	2.6	2.2	2.4	2.2
Belleayre Mtn.	5565-03	2.3	1.7	1.7	1.9	1.7	1.7	1.6	1.9	1.6	1.7	1.3

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPB	1 st	2 nd	3 rd	Total	>140 PPB	1 st	2 nd	3 rd
Mt. Ninham	3951-01	8,597	98	8,475	0	41.2 [02/04, 20]	38.9 [02/11, 21]	27.1 [02/12, 13]	363	0	13.8 [01/12]	13.6 [02/12]	12.7 [01/18]
Belleayre Mtn.	5565-03	8,648	99	8,526	0	18.6 [11/18, 16]	18.2 [02/12, 17]	17.8 [02/12, 23]	366	0	9.1 [02/12]	7.9 [12/29]	7.6 [03/01]

(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

INHALABLE PARTICULATES - Wedding Sampler

NYSDEC Region **3**

Hudson Valley Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ug/m³)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	3 Yr Exp Val
Saugerties	5524-03	21	21	21	22	23	xx						
New Paltz	5522-01	(26)	xx										
Belleayre Mtn.	5565-03	14	13	13	13	16	12	10	10	11	13	11	12
Mt. Ninham	3951-01	16	14	14	14	14	xx						

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	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 *								
		Total Obs.	Maximum	2 nd Max.	3 rd Max.	2002	2003	2004	Mea	Est	Mea	Est	Mea	Est	Exp Avg	
Belleayre Mtn. (W)	5565-03	54	45	10/30	37	08/19	33	06/08	0	0.0	0	0.0	0	0.0	0.0	0.0

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

N=NAMS (National Air Monitoring Station)

Mea=Measured

Est=Estimated

*New York and Federal Ambient Air Quality Standard

+ Denotes a contravention of NYS/Federal AAQS

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

NYSDEC Region **3**

Hudson Valley Air Quality Control Region

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

(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 65 $\mu\text{g}/\text{m}^3$ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
Poughkeepsie (F)	1302-06	xx	xx	xx	xx	xx	(32.8)	31.2	xx	xx	xx	xx	xx	xx	(10.7)	10.8	xx
Newburgh (F)	3502-04	120	36.9 [07/23]	36.2 [06/08]	27.4 [05/24]	27.4	31.3	30.5	30	9.8	11.7	11.8	8.4	10.4	11.8	11.0	11.1
Newburgh (T)	3502-04	366	47.1 [07/22]	44.2 [07/23]	39.7 [06/08]	29.0	31.8	(19.6)	27	10.5	12.8	13.9	10.0	11.8	12.4	(10.6)	11.6
Mamaroneck (F)	5956-01	122	37.5 [06/08]	34.7 [07/23]	33.5 [05/12]	33.5	36.8	32.5	34	10.4	13.0	12.4	9.3	11.3	12.2	11.8	11.8
White Plains (T)	5902-04	357	45.3 [07/22]	39.1 [06/08]	38.9 [06/09]	26.7	29.9	33.3	30	9.2	12.9	12.2	8.9	10.8	11.9	12.3	11.7

The TEOM monitor at 5902-04 commenced operation on 04/10/2001. The TEOM monitor at 3502-04 commenced operation on 10/22/02. The FRM monitor at 1302-06 was terminated on 03/31/03.

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

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance)

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region 3

Metropolitan and Hudson Valley Air Quality Control Regions

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
White Plains (Metro.)	5902-04N	.022	.023	.022	.024	.023	.024	.021	.024	.024	.024	.019
Valley Central (Hud.Valley)	3527-01	---	.029	.030	.031	.032	.030	.026	.030	.029	.029	.028

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average -Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations			Highest Values, PPM				2002	2003	2004	Avg
		Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th				
White Plains (Metro.)	5902-04N	7,518	86	0	.105 [06/16, 18]	.099 [07/22, 17]	.096 [08/20, 16]	.091 [08/28, 17]	.102 [08/12]	.091 [07/04]	.078 [08/20]	.090 +
Valley Central (Hud.Valley) (Oper. 03/23-11/04)	3527-01	5,276	97	0	.123 [07/22, 18]	.106 [05/13, 18]	.100 [07/07, 16]	.092 [07/04, 15]	.085 [09/14]	.087 [07/15]	.078 [07/01]	.083

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)

N=NAMS (National Air Monitoring Station)

[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 3

Hudson Valley Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Millbrook	1328-01	.028	.028	.028	.028	.030	.030	.026	.030	.029	.028	.025
Mt. Ninham	3951-01	.028	.032	.033	.033	.035	.035	.027	.033	0.35	.031	.028
Belleayre Mtn.	5565-03	.026	.034	.034	.035	.035	.037	.032	.035	.036	.036	.034

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations			Highest Values, PPM							
		Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Millbrook	1328-01	8,535	97	0	.116 [07/22, 18]	.092 [07/01, 18]	.091 [06/24, 18]	.089 [08/10, 17]	.111 [08/11]	.081 [07/02]	.076 [07/01]	.089 +
Mt. Ninham (Operated 03/18- 11/16)	3951-01	5,308	91	0	.113 [07/22, 16]	.100 [06/24, 16]	.095 [05/13, 18]	.091 [08/10, 16]	.104 [08/04]	.082 [07/07]	.082 [06/08]	.089 +
Belleayre Mtn.	5565-03	8,582	98	0	.091 [06/24, 21]	.089 [07/22, 23]	.088 [07/01, 23]	.085 [08/10, 24]	.084 [08/12]	.082 [07/03]	.076 [08/10]	.080

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

(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 Federal AAQS (Note: .08 PPM standard is not exceeded unless avg. Of 4th max 8-hr concentrations > .084 PPM)

LEAD - High Volume Air Samplers (Glass Fiber Filters)

NYSDEC Region 3

Metropolitan and Hudson Valley Air Quality Control Regions

Annual Geometric Means (ug/m³) 1994 through 2004

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Mamaroneck (Metro.)	5956-01	0.04	0.03	xxx								
Wallkill (H.Valley)	3566-02	0.05	0.04	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.05	0.04
Wallkill (H.Valley)	3566-09	0.07	0.05	0.05	0.07	0.06	0.08	0.09	0.08	0.06	0.07	0.07
Wallkill (H.Valley)	3566-10	0.04	(0.03)	xxx								
Scotchtown (H.Valley)	3566-11	---	(0.03)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		24-Hour Concentrations - ug/m ³								QUARTERLY AVERAGES Maximum not to exceed 1.5 ug/m ³ *		
		Maximum		2 nd Max.		3 rd Max.		Highest Values, ug/m ³ [Quarter]				
Station	Site No.	Total Obs.	% Avail	Value	Date	Value	Date	Value	Date	1 st	2 nd	3 rd
Wallkill	3566-02	55	90	0.44	08/25	0.35	04/15	0.17	09/06	0.07 [3rd]	0.06 [1st]	0.06 [2 nd]
Wallkill	3566-09	57	93	1.03	03/16	0.75	01/16	0.51	04/03	0.24 [1st]	0.13 [2nd]	0.11 [4 th]
Scotchtown	3566-11	59	97	0.04	09/24	0.03	01/10	0.03	05/03	0.03 [1 st]	0.03 [2nd]	0.03 [3rd]

(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)

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES - SULFATE, NITRATE FRACTIONS

- Wedding Sampler

NYSDEC Region **3**

Hudson Valley Air Quality Control Region

SULFATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
Belleayre Mtn (W)	5565-03	4.6	4.0	3.5	4.5	5.0	3.6	3.5	3.5	3.3	3.0	3.3	57	93	16.5 [06/08]	15.8 [08/19]	9.3 [06/14]
Mt. Ninham (W)	3951-01	5.1	4.0	3.8	4.5	4.2	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx

NITRATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
Belleayre Mtn (W)	5565-03	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	57	93	0.5 [01/10]	0.5 [02/27]	0.5 [02/15]
Mt. Ninham (W)	3951-01	0.2	0.2	0.3	0.3	0.2	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx

(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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **4**

Hudson Valley Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm) - Primary Standard

(12 month average not to exceed 0.03 PPM *)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Loudonville	0101-33N	.007	.003	.004	.003	.004	.004	.004	.005	.004	.004	.004
Schenectady	4601-05N	.006	.005	.005	.003	.003	.003	.003	.004	.004	.003	.004

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations	Highest Values, PPM Midnight - Midnight				
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1 st	2 nd	3 rd	Total	>.14 PPM	1 st	2 nd	3 rd
Loudonville	0101-33N	8,642	98	8,516	0	.060 [01/13, 11]	.059 [12/22, 13]	.038 [12/22, 09]	366	0	.031 [12/22]	.017 [01/12]	.016 [01/18]
Schenectady	4601-05N	8,654	99	8,537	0	.024 [03/02, 08]	.024 [04/17, 15]	.022 [02/09, 15]	366	0	.014 [03/01]	.013 [03/26]	.013 [03/02]

(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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region **4**

Hudson Valley Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB *)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Dyken Pond	4153-03	---	0.9	1.6	1.7	1.6	1.5	1.5	(1.7)	xxx	xxx	xxx
Grafton State Park	4153-04	—	—	—	—	—	—	—	(2.3)	2.2	2.0	1.6

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 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPB	1 st	2 nd	3 rd	Total	>140 PPB	1 st	2 nd	3 rd
Grafton State Park	4153-04	8,533	97	8,408	0	23.6 [02/12, 24]	16.7 [12/16, 20]	15.8 [01/12, 05]	359	0	11.3 [03/01]	11.0 [01/12]	10.0 [12/29]

(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

INHALABLE PARTICULATES - Wedding Sampler

NYSDEC Region **4**

Hudson Valley Air Quality Control Region

Annual Averages 1993 through 2003

Annual Arithmetic Mean (ug/m³)

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								
Albany	0101-13N	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								
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

N=NAMS (National Air Monitoring Station)

Mea=Measured

Est=Estimated

+ Denotes a contravention of NYS/Federal AAQS

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

NYSDEC Region **4**

Hudson Valley Air Quality Control Region

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

(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 65 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
Albany Co. HD (F)	0101-13	116	37.7 [07/23]	35.1 [06/08]	32.4 [03/01]	32.4	34.0	(41.5)	36	13.4	9.5	12.0	10.0	11.2	12.2	(12.6)	12.0
Albany Co. HD (T)	0101-13	361	44.6 [07/22]	42.7 [07/23]	38.4 [06/08]	29.3	31.7	(22.9)	28	11.4	11.5	13.7	10.4	11.8	12.4	(10.8)	11.7
Loudonville (F)	0101-33	xx	xx	xx	xx	xx	(33.0)	32.5	xx	xx	xx	xx	xx	xx	(10.1)	10.9	xx
Schenectady (F)	4601-05	xx	xx	xx	xx	xx	(32.6)	34.8	xx	xx	xx	xx	xx		(11.5)	11.7	xx

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.

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

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance)

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region **4**

Hudson Valley Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Loudonville	0101-33	---	---	---	0.8	0.4	0.3	0.4	0.4	0.4	0.5	0.4
Schenectady	4601-05	0.6	0.4	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.4

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		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	1 st	2 nd	3 rd	Total	>9 PPM	1 st	2 nd	3 rd	Days> 9 PPM
Loudonville	0101-33	8,324	95	0	1.9 [11/17, 09]	1.7 [02/03, 09]	1.7 [11/22, 09]	8,386	0	1.3 [11/17, 15]	1.1 [11/22, 11]	1.1 [11/23, 03]	0
Schenectady	4601-05	8,546	97	0	3.4 [12/30, 21]	2.9 [12/30, 22]	2.9 [12/22, 11]	8,617	0	2.2 [12/30, 24]	2.1 [11/17, 02]	1.7 [11/23, 01]	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)

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

[Date of Occurrence, Hour]

OZONE - Continuous UV Light Absorption

NYSDEC Region 4

Hudson Valley Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Loudonville	0101-33N	.026	.025	.024	.026	.026	.026	.022	.026	.027	.025	.025
Schenectady	4601-05	.021	.022	.020	.022	.022	.023	.021	.024	.024	.023	.021
Grafton Lake State Park	4153-04	--	--	--	--	--	--	--	--	.037	.037	.035

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

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations		Highest Values, PPM								
		Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Loudonville	0101-33N	8,485	97	0	.104 [06/24, 20]	.094 [07/22, 22]	.091 [08/10, 20]	.082 [07/04, 19]	.092 [08/14]	.076 [06/29]	.072 [08/10]	.080
Schenectady	4601-05	8,444	96	0	.104 [07/22, 22]	.097 [06/24, 21]	.095 [07/04, 20]	.076 [04/30, 18]	.083 [08/14]	.078 [07/04]	.068 [04/30]	.076
Grafton Lake	4153-04	8,531	97	0	.110 [07/22, 21]	.109 [06/24, 21]	.093 [07/01, 22]	.088 [07/23, 01]	.100 [09/14]	.079 [07/02]	.076 [06/08]	.085 +

(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 Federal AAQS (Note: .08 PPM standard is not exceeded unless avg. Of 4th max 8-hr concentrations > .084 PPM)

INHALABLE PARTICULATES - SULFATE, NITRATE FRACTIONS

- Wedding Sampler

NYSDEC Region 4

Hudson Valley Air Quality Control Region

SULFATE FRACTION

Annual Averages 1993 through 2003

2003 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1993	94	95	96	97	98	99	2000	01	02	03	Total	%	1 st	2 nd	3 rd
Albany (W)	0101-13	(4.6)	5.7	4.1	4.0	4.8	5.0	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Loudonville (W)	0101-33	4.4	5.2	3.4	3.7	4.9	4.9	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Hudson (W)	1001-02	---	---	---	---	---	---	---	3.9	4.1	(4.3)	(3.8)	43	70	20.0 [06/26]	14.0 [08/07]	12.4 [07/26]

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

NITRATE FRACTION

Annual Averages 1993 through 2003

2003 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1993	94	95	96	97	98	99	2000	01	02	03	Total	%	1 st	2 nd	3 rd
Albany (W)	0101-13	(0.9)	0.7	0.5	0.9	0.9	0.7	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Loudonville (W)	0101-33	0.6	0.5	0.4	0.7	0.8	0.6	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Hudson (W)	1001-02	---	---	---	---	---	---	---	0.3	0.5	(0.4)	(0.5)	43	70	2.8 [03/16]	2.1 [04/03]	1.6 [04/09]

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

[Date of Occurrence]

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region 5

Northern Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB *)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Piseco Lake	2050-01	1.3	0.9	0.9	0.9	0.8	1.0	1.1	1.2	1.1	1.1	0.8
Whiteface Mtn. - Lodge	1567-04	1.3	0.9	0.9	0.9	1.0	1.1	1.0	1.4	1.3	1.0	0.8
Paul Smiths College	1655-01	-	-	-	-	-	-	-	-	-	-	0.9

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations	Highest Values, PPB Midnight - Midnight				
Station	Site No.	Total Obs.	% Avail	Total	>500 PPB	1 st	2 nd	3 rd	Total	>140 PPB	1 st	2 nd	3 rd
Piseco Lake	2050-01	8,644	98	8,532	0	14.3 [01/22, 12]	14.3 [08/18, 18]	14.3 [02/29, 23]	364	0	8.1 [02/29]	6.4 [02/09]	5.6 [01/12]
Whiteface Mtn. -Lodge	1567-04	8,253	94	8,145	0	12.3 [01/18, 11]	11.0 [02/18, 04]	10.5 [02/29, 23]	347	0	6.9 [02/18]	6.9 [02/29]	5.5 [03/01]
Paul Smiths College	1655-01	7,513	93	7,381	0	13.1 [08/10, 14]	12.3 [02/29, 23]	10.5 [12/29, 02]	316	0	7.8 [12/29]	7.7 [02/29]	4.4 [12/16]

(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

INHALABLE PARTICULATES - Wedding Sampler

NYSDEC Region **5**

Hudson Valley and Northern Air Quality Control Regions

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ug/m³)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	3 Yr Exp Val
Saratoga (H. Val)	4501-04	20	18	20	19	19	xx						
Glens Falls (North.)	5601-04	20	18	(18)	xx								
Whiteface Mtn. Base (Northern)	1567-04	10	11	9	11	12	10	7	8	8	(10)	10	9

Sampling at 5601-04 was terminated on 08/28/96 and at 4501-04 on 12/31/98.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	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 *				Exp Avg			
		Total Obs.	Value	Date	2 nd Max.	Date	3 rd Max.	Date	2002	2003	2004				
Whiteface Mtn. Base (W)	1567-04	46	45	09/30	41	06/08	22	08/31	0	0.0	0	0.0	0	0.0	0.0

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

N=NAMS (National Air Monitoring Station)

Mea=Measured

Est=Estimated

*New York and Federal Ambient Air Quality Standard

+ Denotes a contravention of NYS/Federal AAQS

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

NYSDEC Region **5**

Northern Air Quality Control Region

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

(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 65 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
Whiteface Base (F)	1567-04	333	40.9 [07/22]	36.2 [08/18]	32.9 [06/08]	23.2	20.4	30.8	25	5.4	6.0	8.8	3.6	6.0	(5.9)	6.8	6.2
Whiteface Base (T)	1567-04	357	40.5 [07/22]	36.6 [08/19]	36.5 [08/18]	24.9	23.4	29.2	26	6.3	7.6	10.6	5.8	7.6	7.4	8.6	7.9

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

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance)

* Federal Ambient Air Quality Standard
+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **5**

Hudson Valley Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Stillwater	4567-01	.028	.028	.027	.030	.031	.032	.029	.032	.032	.035	.032

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Stillwater	4567-01	8,593	98	0	.111 [06/24, 21]	.111 [07/22, 22]	.093 [07/23, 01]	.085 [08/10, 22]	.089 [06/21]	.086 [07/04]	.077 [07/04]	.084

(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)

OZONE - Continuous UV Light Absorption

NYSDEC Region **5**

Northern Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Whiteface Mtn. Summit	1567-03	.038	.042	.042	.040	.039	.044	.041	.041	(.041)	.046	(.046)
Whiteface Mtn. Base	1567-04	.036	.035	.035	.036	.039	.039	.032	.036	.039	.038	.036
Piseco Lake	2050-01	.030	.028	.028	.030	.031	.032	.029	.031	.031	.031	.031

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations			Highest Values, PPM							
		Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Whiteface Mtn. Summit (oper. 03/31 - 12/31)	1567-03	3,402	46	0	.087 [06/08, 08]	.084 [05/13, 06]	.079 [05/01, 02]	.079 [07/04, 21]	.096 [08/15]	.095 [06/25]	.077 [04/30]	.089 +
Whiteface Mtn. Base	1567-04	8,489	97	0	.079 [06/08, 24]	.077 [05/14, 04]	.077 [07/05, 01]	.076 [04/30, 02]	.096 [08/15]	.087 [06/26]	.070 [06/07]	.084
Piseco Lake	2050-01	8,487	97	0	.084 [06/08, 16]	.080 [04/30, 13]	.077 [08/03, 17]	.075 [05/13, 15]	.085 [09/10]	.077 [04/15]	.068 [09/22]	.076

(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)

INHALABLE PARTICULATES - SULFATE, NITRATE FRACTIONS

- Wedding Sampler

NYSDEC Region **5**

Northern Air Quality Control Region

SULFATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
Whiteface Mtn (Base) (W)	1567-04	3.3	2.5	2.3	3.5	3.3	2.8	2.5	2.7	2.9	(2.6)	2.8	46	75	20.4 [06/08]	9.5 [08/31]	6.8 [07/20]
Glens Falls (W)	5601-04	4.8	3.3	(3.7)	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xxx	xxx	xxx

NITRATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
Whiteface Mtn (Base) (W)	1567-04	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.3	0.2	(0.2)	0.1	46	75	0.3 [01/22]	0.3 [11/11]	0.3 [12/17]
Glens Falls (W)	5601-04	0.7	0.6	(0.7)	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xxx	xxx	xxx

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

[Date of Occurrence]

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region **6**

Cental Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB *)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Nick's Lake	2167-03	1.2	0.9	1.0	0.9	0.7	0.9	0.9	1.0	1.0	1.0	0.9

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations	Highest Values, PPB Midnight - Midnight				
Station	Site No.	Total Obs.	% Avail	Total	>500 PPB	1 st	2 nd	3 rd	Total	>140 PPB	1 st	2 nd	3 rd
Nick's Lake	2167-03	8,483	97	8,372	0	14.7 [01/22, 10]	11.5 [01/22, 07]	10.8 [01/12, 03]	357	0	6.5 [02/09]	6.4 [01/12]	5.3 [01/22]

(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

INHALABLE PARTICULATES - Wedding Sampler

NYSDEC Region **6**

Northern Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ug/m³)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	3 Yr Exp Val
Utica	3202-01	21	19	20	19	21	xx						
Nick's Lake	2167-03	12	11	13	11	12	12	9	10	12	(11)	13	12

Sampling at 3202-01 was terminated on 12/31/98.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	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 *				Exp Avg			
		Total Obs.	Value	Date	2 nd Max.	3 rd Max.		2002	2003	2004					
Nick's Lake (W)	2167-03	48	46	06/08	40	07/14	31	08/19	0	0.0	0	0.0	0	0.0	0.0

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

N=NAMS (National Air Monitoring Station)

Mea=Measured

Est=Estimated

*New York and Federal Ambient Air Quality Standard

+ Denotes a contravention of NYS/Federal AAQS

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

NYSDEC Region **6**

Central Air Quality Control Region

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004
 (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 65 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
Utica (F)	3202-01	xx	xx	xx	xx	xx	(28.0)	38.4	xx	xx	xx	xx	xx	xx	(10.5)	12.2	xx
Utica (T)	3202-01	350	41.7 [08/19]	40.6 [07/22]	37.3 [08/18]	28.5	(27.5)	--	--	11.5	11.0	13.1	9.1	11.2	(11.5)	--	--
Potsdam (F)	4477-01	114	35.7 [06/08]	21.5 [11/17]	20.8 [08/10]	20.8	20.0	42.4	28	6.9	7.1	9.6	5.1	7.2	7.7	9.4	8.1

FRM Sampler at 3202-01 was terminated on 05/19/03 and TEOM Sampler started on 07/12/03.

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

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance)

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **6**

Central Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Perch River	2223-01	.035	.034	.034	.034	.035	.036	.029	.041	.040	.036	.032
Camden	3255-01N	.023	.024	.023	.024	.024	.026	.023	.026	.029	.027	.025
Nick's Lake	2167-03	.028	.028	.028	.028	.028	.029	.027	.029	.029	.029	.028

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations			Highest Values, PPM							
		Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Perch River (Operated 03/23 - 11/03)	2223-01	5,064	93	0	.090 [04/30, 18]	.089 [06/08, 19]	.079 [07/20, 19]	.078 [06/09, 16]	.100 [07/01]	.089 [08/21]	.070 [04/29]	.086 +
Camden (Operated 03/10 - 11/04)	3255-01N	5,317	92	0	.088 [04/30, 22]	.085 [06/08, 16]	.083 [05/13, 17]	.075 [06/07, 19]	.086 [07/01]	.081 [07/04]	.067 [06/07]	.078
Nick's Lake	2167-03	8,525	97	0	.078 [06/08, 18]	.075 [06/09, 18]	.073 [07/04, 20]	.071 [06/13, 11]	.079 [06/23]	.075 [04/15]	.064 [06/13]	.072

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)

INHALABLE PARTICULATES - SULFATE, NITRATE FRACTIONS

_ Wedding Sampler

NYSDEC Region **6**

Central Air Quality Control Region

SULFATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
Nick's Lake (W)	2167-03	3.4	2.5	3.1	3.1	3.2	3.0	2.6	3.1	3.0	(2.8)	3.7	49	80	22.3 [06/08]	10.5 [08/19]	9.1 [08/25]

NITRATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
Nick's Lake (W)	2167-03	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	(0.2)	0.2	49	80	1.2 [01/28]	0.9 [03/04]	0.5 [02/27]

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

[Date of Occurrence]

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region 7

Central Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm) - Primary Standard

(12 month average not to exceed 0.03 PPM *)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Camp Georgetown	2655-01	—	—	—	—	—	—	—	.002	.002	.002	.002
East Syracuse	3353-09N	.004	.004	.003	.002	.002	.002	.003	.003	.003	.003	.003

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 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations		Highest Values, PPM Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1 st	2 nd	3 rd	Total	>.14 PPM	1 st	2 nd	3 rd
Camp Georgetown	2655-01	8,611	98	8,502	0	.020 [01/12, 01]	.020 [01/22, 09]	.020 [02/12, 19]	366	0	.011 [02/09]	.011 [03/26]	.011 [03/01]
East Syracuse	3353-09N	8,588	98	8,446	0	.023 [01/12, 23]	.022 [07/22, 13]	.021 [01/22, 07]	365	0	.012 [01/12]	.010 [01/22]	.010 [02/09]

(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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region 7

Central Air Quality Control Region

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)

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

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

NYSDEC Region **7**

Central Air Quality Control Region

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

(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 65 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
Binghamton (F)	0301-14	xx	xx	xx	xx	xx	(18.9)	38.7	xx	xx	xx	xx	xx	xx	(10.3)	11.5	xx
Syracuse (F)	3301-24	xx	xx	xx	xx	xx	(27.2)	39.1	xx	xx	xx	xx	xx	xx	(10.1)	11.6	xx
Syracuse (F)	3301-25	xx	xx	xx	xx	xx	(24.8)	38.4	xx	xx	xx	xx	xx	xx	(9.9)	11.0	xx
East Syracuse (F)	3353-09	56	35.9 [06/08]	24.6 [08/18]	24.4 [03/04]	24.6	22.7	38.5	29	9.6	10.2	11.6	7.9	9.8	9.8	10.9	10.2

Sampling at 3301-25 commenced on 05/18/00; sampling was terminated at 0301-14 on 03/31/03, at 3301-24 on 03/07/03, and at 3301-25 on 03/07/03.

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

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance)

* Federal Ambient Air Quality Standard
+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region 7

Central Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Syracuse	3301-22	1.0	0.7	0.7	0.6	0.6	0.5	0.6	0.5	0.5	0.6	0.5

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		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	1 st	2 nd	3 rd	Total	>9 PPM	1 st	2 nd	3 rd	Days> 9PPM
Syracuse	3301-22	8,636	98	0	3.0 [11/15, 19]	3.0 [12/22, 18]	2.8 [12/22, 17]	8,700	0	1.6 [12/22, 22]	1.4 [02/02, 22]	1.4 [02/03, 22]	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)

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

[Date of Occurrence, Hour]

OZONE - Continuous UV Light Absorption

NYSDEC Region 7

Central Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Fulton/Granby	3754-01	---	---	---	---	---	---	---	---	---	.035	.031
East Syracuse	3353-09N	.025	.025	.024	.025	.025	.027	.024	.027	.028	.025	.023
Camp Georgetown	2655-01	.033	.032	.031	.031	.031	.034	.030	.033	.034	.033	.030

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations			Highest Values, PPM							
		Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Fulton/Granby (oper. 04/13 - 11/03)	3754-01	4,505	92	0	.088 [04/30, 20]	.086 [06/07, 17]	.082 [05/13, 19]	.081 [06/08, 16]	---	.093 [07/04]	.076 [06/07]	---
East Syracuse	3353-09N	7,350	84	0	.076 [07/04, 23]	.073 [06/08, 15]	.071 [05/13, 17]	.071 [06/07, 19]	.091 [07/18]	.081 [07/04]	.066 [08/03]	.079
Camp Georgetown	2655-01	8,599	98	0	.081 [05/13, 15]	.080 [04/18, 23]	.078 [07/04, 21]	.077 [04/30, 16]	.085 [08/11]	.080 [07/04]	.067 [06/08]	.077

(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 **8**

Genesee-Finger Lakes and Southern Tier West Air Quality Control Regions

Annual Averages 1994 through 2004

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

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Rochester (G-F Lakes)	2701-08N	.010	.008	.008	.007	.008	.005	.006	.008	.005	.006	(.006)
Rochester (G-F Lakes)	2701-01N	.013	.011	.010	.010	.010	.007	.006	.006	.005	.005	(.006)
Rochester (G-F Lakes)	2701-22	--	--	--	--	--	--	--	--	--	--	(.005)
Elmira (S. Tier West)	0701-05	.004	.004	.004	.003	.003	.004	.003	.004	.004	.004	.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 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations	Highest Values, PPM Midnight - Midnight				
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1 st	2 nd	3 rd	Total	>.14 PPM	1 st	2 nd	3 rd
Rochester (G-F Lakes)	2701-08N	2,790	92	2,452	0	.042 [03/19, 12]	.037 [02/27, 19]	.033 [02/29, 21]	117	0	.021 [02/29]	.019 [03/19]	.014 [01/17]
Rochester (G-F Lakes)	2701-01N	2,591	98	2,563	0	.039 [02/27, 18]	.032 [02/19, 16]	.030 [02/16, 18]	109	0	.017 [02/19]	.015 [02/20]	.014 [02/17]
Rochester 2 (G-F Lakes)	2701-22	5,188	95	5,120	0	.034 [08/03, 17]	.034 [11/16, 19]	.031 [08/23, 21]	219	0	.017 [11/16]	.012 [07/02]	.011 [09/22]
Elmira (S. Tier West)	0701-05	8,564	97	8,568	0	.031 [03/01, 19]	.029 [01/22, 04]	.029 [03/01, 22]	362	0	.014 [01/22]	.014 [03/01]	.012 [12/16]

(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

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

NYSDEC Region **8**

Genesee-Finger Lakes Air Quality Control Region

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

(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 65 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
Rochester (F)	2701-01	21	28.9 [02/18]	27.6 [03/04]	22.1 [02/12]	(28.9)	28.4	31.9	xx	11.7	xx	xx	xx	(11.7)	11.1	11.2	xx
Rochester (T)	2701-01	89	19.8 [03/04]	19.0 [03/26]	18.2 [03/25]	(18.9)	26.9	35.6	xx	9.3	7.1	xx	xx	(8.2)	11.2	11.9	xx
Rochester 2 (F)	2701-22	48	35.9 [08/25]	27.9 [11/17]	25.1 [08/10]	(35.9)	--	--	--	--	--	14.3	7.5	(10.9)	--	--	--
Rochester 2 (T)	2701-22	208	41.3 [06/08]	41.0 [07/22]	35.6 [08/26]	(33.8)	--	--	--	--	11.6	14.3	8.4	(11.4)	--	--	--
Rochester (F)	2701-04	xx	xx	xx	xx	xx	(35.8)	26.3	xx	xx	xx	xx	xx	xx	(11.0)	10.2	xx
Pinnacle (F)	5001-04	319	44.5 [07/22]	39.2 [08/18]	36.0 [06/08]	29.3	26.2	36.1	31	7.7	9.4	12.6	5.9	8.9	9.5	10.2	9.5

Sampling at 2701-04 was terminated on 03/31/03. FRM sampling at 2701-01 was suspended on 03/13/04; TEOM sampling at 2701-01 was suspended on 04/19/04. FRM sampling at 2701-22 commenced on 08/01/04; TEOM sampling at 2701-22 commenced on 06/01/04.

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

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance)

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region 8

Genesee-Finger Lakes Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Rochester	2701-08N	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5	(0.5)
Rochester Downtown	2701-01N	0.6	0.6	0.6	0.5	0.6	0.7	0.6	0.5	0.5	0.5	(0.5)
Rochester 2	2701-22	--	--	--	--	--	--	--	--	--	--	(0.5)

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 2004

Station	Site No.	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			
		Total Obs.	% Avail	>35 PPM	1 st	2 nd	3 rd	Total	>9 PPM	1 st	2 nd	3 rd	Days> 9PPM
Rochester	2701-08N	2,963	98	0	3.4 [03/01, 08]	2.8 [02/27, 08]	2.5 [02/26, 08]	2,958	0	1.7 [03/01, 10]	1.5 [02/27, 09]	1.4 [03/10, 06]	0
Rochester Downtown	2701-01N	2,592	98	0	2.5 [03/29, 06]	2.4 [03/10, 01]	1.7 [03/09, 24]	2,591	0	1.2 [01/02, 22]	1.2 [03/10, 03]	1.2 [03/29, 11]	0
Rochester 2	2701-22	5,333	97	0	2.3 [12/22, 08]	1.9 [11/13, 04]	1.8 [12/22, 09]	5,282	0	1.4 [12/22, 14]	1.3 [11/23, 02]	1.3 [11/13, 06]	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)

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

[Date of Occurrence, Hour]

OZONE - Continuous UV Light Absorption

NYSDEC Region 8

Genesee-Finger Lakes and Southern Tier West Air Quality Control Regions

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Rochester (G-F Lakes)	2701-08N	.024	.023	.023	.024	.025	(.024)	.023	.026	.028	.025	(.025)
Rochester 2 (G-F Lakes)	2701-22	–	–	–	–	–	–	–	–	–	--	(.019)
Williamson (G-F Lakes)	5863-01N	.030	.029	.027	.028	.031	.034	.028	.029	.032	.032	.029
Elmira (S. Tier West)	0701-05	.022	.023	.023	.023	.024	.026	.023	.026	.027	.024	.024

Sampling at 2701-08 was terminated on 05/05/04; sampling commenced at 2701-22 on 05/17/04.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Rochester (G-F Lakes)	2701-08N	2,840	94	0	.070 [04/30, 19]	.063 [04/18, 24]	.063 [04/19, 01]	.060 [04/29, 19]	.098 [06/23]	.084 [07/03]	.052 [04/19]	.078
Rochester 2 (G-F Lakes)	2701-22	5,324	97	0	.072 [08/03, 20]	.071 [09/12, 18]	.070 [09/22, 16]	.065 [09/04, 14]	--	--	.057 [09/04]	---
Williamson (G-F Lakes) (Operated 04/02 - 11/03)	5863-01N	5,085	98	0	.081 [08/03, 20]	.077 [09/22, 18]	.075 [04/30, 16]	.075 [05/13, 14]	.094 [08/14]	.084 [07/04]	.065 [06/08]	.081
Elmira (S. Tier West)	0701-05	8,559	97	0	.078 [06/24, 21]	.077 [04/17, 16]	.076 [04/30, 20]	.072 [04/18, 21]	.089 [08/11]	.078 [04/15]	.065 [07/01]	.077

(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 9

Niagara Frontier Air Quality Control Region

Annual Averages 1994 through 2004

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

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Niagara Falls	3102-09N	.009	.008	.008	.005	xxx						
Niagara Falls	3102-25	---	---	---	---	.004	.005	.005	.004	.004	.004	.003
Buffalo	1401-18N	.009	.007	.008	.007	.007	.007	.007	.007	.006	.005	.003
Lackawanna	1402-01N	.008	.007	.006	.006	.007	.006	xxx	xxx	xxx	xxx	xxx
Tonawanda	1472-04N	.012	.009	.007	.012	.009	.010	.010	.010	.011	.009	.008

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations	Highest Values, PPM Midnight - Midnight				
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1 st	2 nd	3 rd	Total	>.14 PPM	1 st	2 nd	3 rd
Niagara Falls	3102-25	8,651	98	8,537	0	.045 [04/16, 13]	.031 [04/08, 06]	.030 [02/09, 08]	364	0	.013 [02/09]	.011 [02/18]	.011 [11/10]
Buffalo	1401-18N	8,650	98	8,554	0	.031 [03/15, 07]	.031 [09/01, 10]	.029 [02/09, 07]	364	0	.014 [11/16]	.013 [02/18]	.012 [02/09]
Tonawanda	1472-04N	8,540	97	8,395	0	.176 [04/19, 10]	.141 [04/29, 13]	.137 [03/23, 05]	355	0	.059 [04/19]	.039 [03/23]	.037 [04/29]

(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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region 9

Southern Tier West Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm) - Primary Standard

(12 month average not to exceed 0.03 PPM *)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Jamestown	0602-07	.010	(.010)	.008	.007	.008	.008	.008	.009	xxx	xxx	xxx
Dunkirk	0601-04	--	--	--	--	--	.008	.008	.008	.007	.007	.005

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

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations		Highest Values, PPM Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>0.5 PPM	1 st	2 nd	3 rd	Total	>.14 PPM	1 st	2 nd	3 rd
Dunkirk	0601-04	8,620	98	8,516	0	.153 [02/04, 06]	.115 [10/31, 03]	.101 [11/04, 19]	365	0	.043 [10/31]	.042 [02/04]	.029 [01/30]

(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

SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region 9

Southern Tier West Air Quality Control Region

Annual Averages 1994 through 2004

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

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Westfield	0675-01	6.3	5.0	5.2	4.5	5.2	5.2	5.2	4.8	4.1	4.3	3.5

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One-Hour Averages		Running 3-Hour 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 Non-Overlapping			Observations		Highest Values, PPB Midnight - Midnight		
Station	Site No.	Total Obs.	% Avail	Total	>500 PPB	1 st	2 nd	3 rd	Total	>140 PPB	1 st	2 nd	3 rd
Westfield	0675-01	8,516	97	8,393	0	44.3 [03/18, 21]	39.4 [06/16, 20]	34.6 [02/18, 01]	361	0	16.2 [11/16]	15.1 [02/09]	13.9 [11/10]

(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

INHALABLE PARTICULATES - Wedding Sampler

NYSDEC Region **9**

Niagara Frontier or Southern Tier West Air Quality Control Regions

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ug/m³)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	3 Yr Exp Val
Niagara Falls (NF)	3102-17N	19	19	19	19	21	xx						
Niagara Falls (NF)	3102-25	--	--	--	--	24	20	17	18	17	17	17	17
N. Tonawanda (NF)	3103-07	20	19	22	20	21	xx						
Lewiston (NF)	3152-02	17	18	19	17	19	xx						
Jamestown (STW)	0602-04	17	18	17	18	18	20	xx	xx	xx	xx	xx	xx
Jamestown (STW)	0602-07	19	19	(20)	20	20	22	xx	xx	xx	xx	xx	xx
Westfield (STW)	0675-01	16	15	16	15	16	17	14	14	12	12	11	12

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		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		2 nd Max.		3 rd Max.		2002		2003		2004			
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
Niagara Falls (W)	3102-25	55	52	08/25	46	06/08	40	11/29	0	0.0	0	0.0	0	0.0	0.0
Westfield (W)	0675-01	59	43	06/08	40	08/25	30	09/24	0	0.0	0	0.0	0	0.0	0.0

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

N=NAMS (National Air Monitoring Station)

Mea=Measured

Est=Estimated

[Date of Occurrence, Hour]

*New York and Federal Ambient Air Quality Standard

+ Denotes a contravention of NYS/Federal AAQS

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

NYSDEC Region **9**

Niagara Frontier and Southern Tier West Air Quality Control Regions

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

(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 65 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values			98 th Percentile				Quarterly Averages, 2004				Annual Mean			
			1 st	2 nd	3 rd	2004	2003	2002	3-yr avg	1 st	2 nd	3 rd	4 th	2004	2003	2002	3-yr avg
Amherst (NF) (F)	1451-03	xx	xx	xx	xx	xx	35.5	38.4	xx	xx	xx	xx	xx	xx	(12.5)	11.9	xx
Buffalo (NF) (F)	1401-18	108	39.0 [06/08]	34.4 [08/25]	32.8 [09/24]	32.8	38.7	43.1	38	13.2	12.6	14.8	9.9	12.6	13.7	13.4	13.2
Buffalo (NF) (T)	1401-18	298	44.1 [06/08]	42.4 [07/21]	40.7 [06/07]	37.6	36.4	42.3	39	11.0	13.2	16.4	8.8	12.3	12.9	14.0	13.1
Lackawanna (NF) (F)	1402-14	115	38.8 [06/08]	35.3 [08/25]	31.5 [09/24]	31.5	37.2	38.1	36	12.5	11.9	14.5	9.1	12.0	12.3	13.2	12.5
Niagara Falls (NF) (F)	3102-25	114	31.3 [06/08]	30.7 [02/18]	30.1 [08/25]	30.1	29.6	33.5	31	11.6	10.9	13.5	8.7	11.2	11.8	11.7	11.6
Niagara Falls (NF) (T)	3102-25	354	38.3 [09/04]	37.4 [06/08]	36.1 [05/13]	29.9	31.2	40.6	34	9.5	11.7	14.9	9.0	11.3	11.9	12.6	11.9
Westfield (STW)(F)	0675-01	117	34.9 [06/08]	34.1 [08/25]	26.6 [05/12]	26.6	26.3	37.8	30	8.3	9.3	12.8	6.8	9.3	9.7	11.2	10.1

Sampling at 1451-03 was terminated on 3/31/03.

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

F = Federal Reference Method

T = TEOM (Tapered Element Oscillating Microbalance)

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region 9

Niagara Frontier Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Niagara Falls	3102-09N	0.4	0.4	0.4	0.3	xx	xx	xx	xx	xx	xx	xx
Niagara Falls	3102-25	--	--	--	--	0.4	0.4	0.4	0.3	0.4	0.4	0.2
Buffalo	1401-18	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.4
Buffalo Downtown	1401-31N	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	(0.4)	xx	xx

Sampling at 1401-31 was terminated on 03/24/2002.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		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	1 st	2 nd	3 rd	Total	>9 PPM	1 st	2 nd	3 rd	Days > 9PPM
Niagara Falls	3102-25	8,664	99	0	2.8 [02/23, 08]	2.5 [12/22, 15]	2.3 [02/01, 24]	8,744	0	1.8 [02/02, 02]	1.3 [02/23, 10]	1.3 [03/01, 10]	0
Buffalo	1401-18	8,661	99	0	3.3 [01/17, 08]	2.6 [03/01, 08]	2.2 [03/24, 08]	8,733	0	1.5 [03/01, 08]	1.4 [02/02, 01]	1.4 [11/14, 04]	0

(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: 9PPM standard is not exceeded unless 8-hour avg > 9.4 PPM)

OZONE - Continuous UV Light Absorption

NYSDEC Region 9

Niagara Frontier Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Middleport	3120-02N	.030	.030	.029	.028	.031	.033	.028	.030	.034	.034	.030
Amherst	1451-03N	.024	.025	.023	.023	.028	.028	.026	.028	.031	.028	.028

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

Station	Site No.	One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Total Obs.	% Avail	>.12 PPM	Highest Values, PPM							
					1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Middleport (Operated 04/01 - 11/12)	3120-02N	5,307	98	0	.090 [09/22, 16]	.086 [05/12, 16]	.086 [09/23, 15]	.084 [05/13, 18]	.099 [09/09]	.091 [06/23]	.078 [06/07]	.089 +
Amherst	1451-03N	8,622	98	0	.098 [07/21, 20]	.083 [09/24, 18]	.083 [09/22, 18]	.082 [05/12, 15]	.105 [06/23]	.092 [08/21]	.077 [08/18]	.091 +

(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)

OZONE - Continuous UV Light Absorption

NYSDEC Region 9

Southern Tier West Air Quality Control Region

Annual Averages 1994 through 2004

Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Westfield	0675-01	.034	.034	.034	.034	.036	.036	.033	.035	.038	.034	.033
Dunkirk	0604-01	---	---	---	---	---	.036	.031	.032	.034	.033	.032

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		One Hour Averages							4 th Highest Daily Maximum 8-Hour Average - Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1 st	2 nd	3 rd	4 th	2002	2003	2004	Avg
Westfield	0675-01	8,428	96	0	.087 [06/07, 17]	.083 [07/21, 17]	.082 [06/09, 18]	.082 [07/01, 21]	.094 [06/23]	.088 [07/03]	.073 [05/13]	.085 +
Dunkirk	0604-01	8,589	98	0	.098 [07/21, 17]	.097 [05/12, 19]	.096 [05/13, 17]	.095 [06/07, 19]	.100 [09/10]	.094 [07/03]	.085 [05/13]	.093 +

(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)

NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region 9

Niagara Frontier Air Quality Control Region

Annual Averages 1994 through 2004 Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Buffalo	1401-18	(.023)	.021	.024	.018	.021	.021	.021	.018	.015	.019	.015
Amherst	1451-03	.010	.008	.010	.008	.008	.007	.008	.006	.005	.006	.005

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

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Buffalo	1401-18N	(.022)	.021	.022	.020	.021	.022	.022	.021	.020	.020	.018
Amherst	1451-03N	.016	.016	.016	.016	.015	.016	.015	.015	.013	.013	.012

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1 st	2 nd	3 rd	Total	% Avail	1 st	2 nd	3 rd
Buffalo	1401-18	8,602	98	.377 [03/24, 08]	.367 [04/15, 07]	.363 [10/26, 08]	8,602	98	.082 [03/24, 09]	.081 [09/23, 20]	.077 [03/24, 10]
Amherst	1451-03	7,964	91	.245 [02/28, 01]	.240 [02/28, 02]	.191 [02/28, 03]	8,036	91	.069 [03/19, 23]	.068 [03/19, 22]	.064 [03/19, 21]

(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

LEAD - High Volume Air Samplers (Glass Fiber Filters)

NYSDEC Region 9

Niagara Frontier Air Quality Control Region

Annual Geometric Means (ug/m³) 1993 through 2003

Station	Site No.	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Buffalo	1401-29N	0.04	0.03	0.03	0.03	0.03	xxx	xxx	xxx	xxx	xxx	xxx
Buffalo	1401-32N	0.04	(0.03)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Niagara Falls	3102-09	0.03	0.02	0.02	(0.02)	xxx						
Niagara Falls	3102-25	---	---	---	---	0.02	0.02	0.02	0.02	0.01	0.01	

Sampling at 3102-09 was terminated on 09/19/97; sampling at 1401-29 was terminated on 12/31/98.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2004

		24-Hour Concentrations - ug/m ³								QUARTERLY AVERAGES Maximum not to exceed 1.5 ug/m ³ *		
				Maximum	2 nd Max.		3 rd Max.		Highest Values, ug/m ³ [Quarter]			
Station	Site No.	Total Obs.	% Avail	Value	Date	Value	Date	Value	Date	1 st	2 nd	3 rd
Niagara Falls	3102-25	60	98	0.02	05/03	0.02	04/15	0.01	06/02	0.01 [2nd]	0.01 [1st]	0.01 [3rd]

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

*New York State and Federal Ambient Air Quality Standard (AAQS)

N=NAMS (National Air Monitoring Station)

+ Denotes a contravention of New York State/Federal AAQS

INHALABLE PARTICULATES - SULFATE, NITRATE FRACTIONS

- Dichotomous or Wedding Sampler

NYSDEC Region 9

Niagara Frontier and Southern Tier West Air Quality Control Regions

SULFATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
Niagara Falls (W)	3102-09	5.2	4.3	4.4	(4.9)	xx	xx	xx	xx	xx	xx	xx	xxx	xx	xx	xx	xx
Niagara Falls (W)	3102-17	5.0	4.2	4.7	4.4	4.9	xx	xx	xx	xx	xx	xx	xxx	xx	xx	xx	xx
Niagara Falls (W) (NF)	3102-25	---	---	---	---	5.2	5.0	4.1	4.4	4.3	3.9	3.8	55	90	19.6 [06/08]	15.1 [08/25]	13.6 [09/24]
Westfield (W) (STW)	0675-01	5.1	4.7	4.7	5.3	6.3	5.0	4.7	4.4	4.3	4.0	3.9	59	97	19.4 [08/25]	18.8 [06/08]	11.5 [09/24]

Sampling at 3102-09 was terminated 09/19/97; sampling at 3102-17 was terminated on 12/31/98.

NITRATE FRACTION

Annual Averages 1994 through 2004

2004 Data Summary

		Annual Arithmetic Mean, (ug/m ³)											Observations		Highest Values, ug/m ³		
Station	Site No.	1994	95	96	97	98	99	2000	01	02	03	04	Total	%	1 st	2 nd	3 rd
Niagara Falls (W)	3102-09	0.5	0.4	1.0	(0.7)	xx	xx	xx	xx	xx	xx	xx	xxx	xx	xx	xx	xx
Niagara Falls (W)	3102-17	0.4	0.5	0.8	0.8	1.0	xx	xx	xx	xx	xx	xx	xxx	xx	xx	xx	xx
Niagara Falls (W) (NF)	3102-25	---	---	---	---	0.9	0.4	0.7	1.0	0.6	0.8	0.5	55	90	5.0 [03/04]	2.5 [02/27]	1.4 [03/10]
Westfield (W) (STW)	0675-01	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.5	0.2	0.2	0.2	59	97	1.0 [02/27]	0.8 [02/09]	0.7 [01/22]

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

N=NAMS (National Air Monitoring Station)

[Date of Occurrence, Hour]