

## SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **1**

Metropolitan Air Quality Control Region

### Annual Averages 1995 through 2005

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

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Babylon	5150-02	.005	.008	.006	.007	.007	(.010)	xxx	xxx	xxx	xxx	xxx
Eisenhower Park	2950-10	.006	.006	.005	.006	.006	.006	.005	.004	.005	.004	.004

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>.14 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Eisenhower Park	2950-10	7,784	89	7,658	0	.047 [01/29, 11]	.043 [12/28, 09]	.040 [01/25, 08]	327	0	.023 [01/29]	.023 [02/01]	.019 [11/26]

(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 1995 through 2005

Annual Arithmetic Mean (ug/m<sup>3</sup>)

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

*Manual Monitoring data (PM10) still being evaluated at Laboratory*

**Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005**

		24-Hour Concentrations - ug/m <sup>3</sup>						# of Days > 150 ug/m <sup>3</sup> - Not to exceed an expected avg of one per year during the last 3 years *							
		Maximum		2 <sup>nd</sup> Max.		3 <sup>rd</sup> Max.		2003		2004		2005			
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
Eisenhower Park (W)	2950-10								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 **1**

Metropolitan Air Quality Control Region

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

(Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
Eisenhower Park(T)	2950-10	360	48.3 [08/13]	46.8 [07/19]	45.3 [07/27]	36.8	32.4	38.9	36	12.6	12.6	16.3	12.1	13.4	13.2	13.5	13.4
Hempstead (F)	2950-18	116	39.9 [07/27]	39.0 [02/09]	35.1 [09/13]	35.1	30.8	39.3	35	12.8	9.8	16.1	10.8	12.4	11.3	12.4	12.0
Briarcliffe College (F)	2950-21	xx	xx	xx	xx	xx	xx	25.8	xx	xx	xx	xx	xx	xx	xx	(10.9)	xx
East Hills School(F)	2950-22	xx	xx	xx	xx	xx	xx	26.1	xx	xx	xx	xx	xx	xx	xx	(10.7)	xx
Babylon (F)	5150-01	119	40.5 [07/27]	39.1 [09/13]	34.3 [08/05]	34.3	30.9	38.8	35	11.6	10.1	16.0	10.3	12.0	10.7	11.9	11.5

(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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Babylon	5150-02N	.025	.023	.024	.025	.025	.023	.023	.024	.025	.024	.024
Riverhead	5155-01	.032	.035	.036	.040	.035	.034	.030	.033	.030	(.029)	.035

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations			Highest Values, PPM				2003	2004	2005	Avg
Total Obs.	% Avail	>.12 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>						
Babylon	5150-02N	8,281	95	1	.130 + [08/05, 15]	.124 [08/11, 17]	.118 [07/21, 16]	.115 [07/22, 18]	.094 [06/24]	.081 [07/22]	.098 [07/22]	.091 +
Riverhead (Operated 04/05- 11/01)	5155-01	4,853	96	1	.126 + [08/05, 15]	.113 [07/22, 19]	.112 [08/11, 19]	.105 [07/21, 18]	.082 [07/04]	.069 [05/11]	.086 [07/21]	.079

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 4<sup>th</sup> max 8-hr concentrations > .084 PPM)

## NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region **1**

Metropolitan Air Quality Control Region

### Annual Averages 1995 through 2005

#### Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Eisenhower Park	2950-10	.034	.034	.034	.030	.032	.028	.029	.024	.023	(.018)	.018

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

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Eisenhower Park	2950-10	.025	.026	.025	.022	.025	.024	.024	.022	.021	(.019)	.020

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	% Avail	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Eisenhower Park	2950-10	8,306	95	.578 [02/01, 08]	.534 [02/01, 09]	.443 [02/01, 23]	8,281	95	.083 [02/01, 09]	.083 [02/01, 08]	.079 [04/20, 10]

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

\* Federal Ambient Air Quality Standard

N=NAMS (National Air Monitoring Station)

[Date of Occurrence, Hour]

+ 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 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Eisenhower Park (W)	2950-10	6.0	4.1	4.3	5.5	4.4	3.8	4.8	4.8	4.4	4.0				[01/28]	[06/08]	[07/02]

## NITRATE FRACTION

Annual Averages 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Eisenhower Park (W)	2950-10	0.6	0.9	1.0	0.8	0.6	0.8	0.9	0.7	0.9	0.7				[01/22]	[05/09]	[06/14]

*Manual Monitoring data (PM10) still being evaluated at Laboratory*

NYSDEC Region 2

**SULFUR DIOXIDE** - Continuous Pulsed Fluorescence

Metropolitan Air Quality Control Region

**Annual Averages 1995 through 2005**  
Annual Arithmetic Mean (ppm) - Primary Standard

Manhattan and Queens Sites

(12 month average not to exceed 0.03 PPM \*)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Mabel Dean	7093-05N	xxx	(.012)	.013	.011	.013	.013	(.014)	xxx	xxx	xxx	xxx
PS 59	7093-10	.015	.015	.012	.012	.013	.013	.012	.012	(.014)	.010	.011
Queens College	7096-02	.006	.007	.005	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Queensboro Comm. College	7096-08	---	---	---	.006	.007	.006	.007	xxx	xxx	xxx	xxx
Queens College 2	7096-15	---	---	---	---	---	---	---	.006	.007	.005	.006

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 2005**

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>.14 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
PS 59	7093-10	8,565	98	8,457	0	.068 [01/30, 05]	.061 [02/01, 13]	.057 [12/24, 08]	365	0	.042 [02/01]	.038 [01/29]	.037 [02/08]
Queens College 2	7096-15	8,490	97	8,376	0	.053 [01/29, 10]	.049 [01/25, 07]	.048 [10/31, 12]	358	0	.030 [01/29]	.025 [02/01]	.025 [10/31]

(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 1995 through 2005

Annual Arithmetic Mean (ppm) - Primary Standard

(12 month average not to exceed 0.03 PPM \*)

Bronx Sites

Station	Site No.	1995	1996	1997	1988	1999	2000	2001	2002	2003	2004	2005
IS 155	7094-03	.010	.009	.008	.009	.010	xxx	xxx	xxx	xxx	xxx	xxx
Morrisania	7094-05	.014	.014	.012	.011	.011	(.017)	xxx	xxx	xxx	xxx	xxx
Botanical Garden	7094-06	---	---	---	---	---	(.009)	.010	.009	.009	.009	.009
IS 52	7094-07	---	---	---	---	(.014)	.011	(.013)	.010	.011	.010	.011

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>.14 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Botanical Garden	7094-06	8,418	96	8,283	0	.061 [02/08, 09]	.058 [12/24, 07]	.055 [02/02, 01]	350	0	.042 [02/08]	.039 [01/29]	.035 [12/23]
IS 52	7094-07	7,817	89	7,700	0	.087 [02/02, 01]	.070 [11/05, 13]	.064 [12/23, 11]	332	0	.047 [02/01]	.042 [01/29]	.041 [12/23]

(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 1995 through 2005

Annual Arithmetic Mean (ug/m<sup>3</sup>)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	3 Yr Exp Val
Mabel Dean	7093-05N	24	25	26	24	21	22	(19)	xx	xx	xx	xx	xx
Morrisania II	7094-05	24	26	24	24	xx							
IS 52	7094-07	--	--	--	--	(16)	21	(21)	21	22	18		
Greenpoint	7095-01N	25	26	(26)	23	23	xx						
PS 314	7095-07N	26	27	28	26	xx							
JHS 126	7095-43	--	--	--	--	--	--	20	21	20	17		
Susan Wagner	7097-01	19	20	19	17	16	19	16	17	16	13		

### *Manual Monitoring data (PM10) still being evaluated at Laboratory*

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		24-Hour Concentrations - ug/m <sup>3</sup>							# of Days > 150 ug/m <sup>3</sup> - Not to exceed an expected avg of one per year during the last 3 years *						
		Maximum		2 <sup>nd</sup> Max.		3 <sup>rd</sup> Max.		2003		2004		2005			
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
IS 52	7094-07								0	0.0	0	0.0	0	0.0	0.0
JHS 126	7095-43								--	--	0	0.0	0	0.0	0.0
Susan Wagner	7097-01								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 2005

(Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
JHS 45 (F)	7093-08	122	40.1 [09/13]	37.2 [08/14]	36.6 [07/18]	36.6	38.0	46.2	40	14.6	13.1	17.0	12.6	14.3	13.1	14.5	14.0
PS 59 (F)	7093-10	118	43.5 [09/13]	41.6 [07/18]	40.1 [08/14]	40.1	41.1	36.6	39	18.7	15.0	19.2	15.2	17.0	15.6	18.6	17.1 +
IS 143 (T)	7093-15	356	57.0 [08/13]	50.1 [09/13]	43.1 [08/14]	35.3	38.7	42.8	39	16.3	15.7	17.9	15.2	16.3	15.8	17.4	16.5 +
PS 64 (T)	7093-16	363	57.0 [08/13]	48.2 [09/13]	44.6 [07/19]	36.3	32.4	(22.9)	31	14.9	14.7	17.6	13.9	15.3	(14.1)	(13.5)	(14.3)
Manhattanville PO (T)	7093-17	352	55.4 [08/13]	47.5 [09/13]	41.8 [08/14]	35.3	33.4	34.2	34	14.5	14.3	17.7	13.5	15.0	14.7	15.6	15.1 +
Park Row (T) (WTC)	7093-18	345	55.9 [08/13]	44.3 [09/13]	43.4 [07/19]	39.0	37.4	40.0	39	12.8	14.7	17.8	12.4	14.4	14.5	15.6	14.8
PS 19 (F)	7093-21	117	41.8 [09/13]	38.5 [07/18]	38.2 [08/14]	38.2	38.9	48.5	42	17.7	14.1	18.4	15.2	16.4	15.2	16.0	15.9 +
Albany Street (T) (WTC)	7093-22	xx	xxx	xxx	xxx	xx	xx	28.3	--	xx	xx	xx	xx	xx	xx	(14.5)	xx
Canal Street (F)	8100-02	119	41.7 [09/13]	39.7 [08/14]	39.5 [07/18]	39.5	39.1	46.2	42	17.1	13.8	18.3	13.5	15.7	14.4	15.8	15.3 +
Canal Street (T)	8100-02	353	55.9 [08/13]	46.3 [09/13]	42.8 [07/19]	36.9	34.0	38.6	36	14.1	14.4	18.3	12.7	14.9	14.7	15.8	15.1+

(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 2005

(Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
Morrisania (F)	7094-05	115	45.4 [09/13]	42.0 [08/14]	37.7 [07/18]	37.7	38.2	44.8	40	18.6	14.8	18.4	15.7	16.9	14.4	15.7	15.7 +
Botanical Garden (F)	7094-06	122	42.1 [09/13]	40.4 [08/14]	36.6 [08/05]	36.6	31.3	38.2	35	13.8	12.2	16.9	12.7	13.9	12.8	13.4	13.4
IS 52 (F)	7094-07	360	52.4 [08/13]	44.4 [02/08]	42.3 [09/13]	36.8	33.9	39.2	37	15.0	12.2	15.4	12.4	13.7	13.8	14.8	14.1
IS 52 (T)	7094-07	365	54.4 [08/13]	48.3 [09/13]	42.8 [07/19]	36.6	33.4	39.8	37	14.4	14.0	17.3	12.7	14.6	14.5	15.2	14.8
IS 74 (T)	7094-08	360	51.0 [08/13]	46.9 [09/13]	42.7 [07/19]	36.6	34.8	35.3	36	14.2	13.8	17.0	13.0	14.5	14.7	15.0	14.7
PS 154 (T)	7094-09	358	55.8 [08/13]	48.8 [09/13]	43.5 [07/19]	36.9	40.5	40.5	39	14.0	14.4	18.1	13.0	14.8	14.9	16.1	15.3 +

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

Metropolitan Air Quality Control Region

(Brooklyn and Queens Sites)

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

(Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
PS 321 (F)	7095-06	xx	xx	xx	xx	xx	xx	(33.4)	xx	xx	xx	xx	xx	xx	xx	(14.2)	xx
PS 314 (F)	7095-07	xx	xx	xx	xx	xx	xx	(25.6)	xx	xx	xx	xx	xx	xx	xx	(12.8)	xx
PS 314 (T)	7095-07	347	51.7 [08/13]	45.3 [07/26]	43.1 [09/13]	35.0	34.7	--	--	13.5	13.9	17.6	12.3	14.3	14.3	--	--
JHS 126 (F)	7095-43	113	41.6 [09/13]	38.1 [07/18]	36.3 [08/14]	36.3	36.9	40.8	38	16.0	13.7	17.3	14.1	15.3	14.0	14.8	14.7
IS 293 (T)	7095-44	343	51.3 [08/13]	45.1 [09/13]	42.3 [07/19]	37.0	36.3	40.6	38	14.1	14.1	17.0	12.3	14.4	14.7	15.8	15.0
PS 274 (T)	7095-98	353	44.2 [07/26]	44.1 [09/13]	41.6 [07/19]	32.8	29.4	38.4	34	13.5	13.3	16.1	11.8	13.7	14.1	14.8	14.2
PS 214 (F)	7096-11	xx	xx	xx	xx	xx	xx	(32.5)	xx	xx	xx	xx	xx	xx	xx	(12.4)	xx
Maspeth Library (T)	7096-13	343	52.7 [08/13]	45.4 [07/19]	43.6 [07/26]	37.2	32.0	40.6	37	14.4	14.2	19.2	13.4	15.3	14.6	16.2	15.4 +
PS 219 (F)	7096-14	304	40.1 [07/19]	39.9 [07/26]	38.3 [09/14]	34.3	33.4	39.0	36	13.0	10.4	(15.2)	10.8	12.4	12.2	13.5	12.7
PS 219 (T)	7096-14	351	47.7 [08/13]	42.4 [07/19]	42.4 [07/26]	35.6	33.3	33.4	34	12.6	12.9	16.7	11.0	13.3	13.3	13.9	13.5

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 2005

(Average of last 3 years' annual means not to exceed 15  $\mu\text{g}/\text{m}^3$  \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65  $\mu\text{g}/\text{m}^3$  \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
Susan Wagner (F)	7097-01	110	40.1 [09/13]	35.8 [08/14]	33.2 [08/05]	33.2	33.5	32.3	33	12.6	10.7	16.2	10.4	12.5	11.3	11.4	11.7
Port Richmond (F)	7097-03	108	39.5 [09/13]	37.2 [08/14]	33.4 [07/18]	33.4	31.3	46.4	37	14.9	12.5	17.8	12.9	14.5	13.3	13.2	13.7
Freshkills West (T)	7097-17	340	51.5 [08/13]	45.3 [11/21]	42.9 [08/12]	37.7	32.3	33.4	34	12.0	12.7	16.6	12.7	13.5	13.1	13.3	13.3
PS 44 (T)	7097-18	341	51.2 [08/13]	42.9 [09/13]	39.0 [08/12]	33.3	36.6	36.5	35	13.3	12.7	16.2	12.2	13.6	13.6	14.8	14.0

(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/m<sup>3</sup>) 1995 through 2005

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

*Manual Monitoring data (TSP) still being evaluated at Laboratory*

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		24-Hour Concentrations - ug/m <sup>3</sup>							Maximum - Not to exceed 250 ug/m <sup>3</sup> more than once per calendar year *		
		Maximum	2 <sup>nd</sup> Max.		3 <sup>rd</sup> Max.		Number of Observations				
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	>150 ug/m <sup>3</sup> **	>250 ug/m <sup>3</sup> *	>260 ug/m <sup>3</sup> **
Susan Wagner	7097-01								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/m<sup>3</sup>) and Secondary (150 ug/m<sup>3</sup>)

++ Denotes a contravention of Federal AAQS

## CARBON MONOXIDE - Continuous Non-Dispersive Infrared

NYSDEC Region 2  
Metropolitan Air Quality Control Region  
Traffic Sites

**Annual Averages 1995 through 2005**  
Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
350 Canal Street	8100-02N	2.1	1.9	1.7	1.6	1.5	1.4	1.3	xx	xx	xx	xx
Brooklyn Transit	8100-03	1.9	1.9	1.7	1.6	1.5	1.4	1.1	1.1	1.1	1.0	0.9
225 E. 34 <sup>th</sup> Street	8100-06	1.7	1.6	1.3	1.3	1.3	1.2	1.0	1.0	1.0	0.9	xx
Bloomingdales	8100-07	2.7	2.5	(2.4)	(2.2)	1.7	1.5	(1.3)	xx	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 2005

Station	Site No.	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		
		Total Obs.	% Avail	>35 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>9 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Days > 9PPM
Brooklyn Transit	8100-03	8,583	98	0	5.0 [11/19, 22]	4.1 [04/08, 24]	3.5 [02/07, 24]	8,668	0	2.4 [01/13, 16]	2.2 [02/02, 03]	2.2 [04/01, 14]	0

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

N=NAMS (National Air Monitoring Station)

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS (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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
PS 59	7093-10	1.3	1.1	1.0	1.0	1.0	0.9	0.8	0.7	(0.8)	0.7	0.6
Botanical Gardens	7094-06	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.6	0.6
PS 321	7095-06	0.8	0.8	0.8	0.8	0.8	xx	xx	xx	xx	xx	xx
Queensboro Comm Coll	7096-08	---	---	---	0.7	0.7	0.6	0.5	xx	xx	xx	xx
Queens College 2	7096-15	---	---	---	---	---	---	---	0.6	0.6	0.5	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 2005

		<b>One-Hour Average</b>						<b>Running 8-Hour Average (Non-Overlapping)</b>					
		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>9 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Days > 9PPM
PS 59	7093-10	8,587	98	0	2.3 [05/11, 24]	2.2 [04/07, 09]	2.1 [02/08, 10]	8,485	0	1.6 [11/06, 05]	1.5 [02/08, 13]	1.5 [02/02, 02]	0
Botanical Gardens	7094-06	8,504	97	0	3.9 [02/08, 09]	3.5 [10/17, 07]	3.3 [02/08, 10]	8,529	0	2.5 [02/08, 12]	2.2 [02/02, 02]	1.7 [12/25, 04]	0
Queens College 2	7096-15	8,577	98	0	3.1 [02/01, 23]	2.4 [02/01, 24]	2.1 [01/29, 10]	8,494	0	2.1 [02/02, 02]	1.6 [01/29, 12]	1.6 [02/08, 09]	0

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

\*New York and Federal Ambient Air Quality Standard

N=NAMS (National Air Monitoring Station)

[Date of Occurrence, Hour]

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

## OZONE - Continuous UV Light Absorption

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

**Annual Averages 1995 through 2005**  
Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
IS 155	7094-03	---	---	.020	xxx	.021	xx	xx	xx	xx	xx	xx
Morrisania	7094-05	.019	.019	.021	.023	.019	xxx	xx	xx	xx	xx	xx
Botanical Gardens	7094-06	.018	.018	.017	.015	.018	.016	.017	.017	.017	.017	.018
IS 52	7094-07	---	---	---	---	.007	.015	(.014)	.017	.016	.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 2005**

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
Botanical Gardens	7094-06	8,572	98	0	.109 [07/26, 15]	.105 [08/12, 16]	.100 [08/03, 16]	.095 [06/26, 14]	.079 [07/04]	.074 [07/21]	.074 [07/27]	.075
IS 52	7094-07	8,131	93	0	.108 [07/27, 14]	.101 [06/26, 14]	.101 [07/21, 17]	.099 [08/11, 14]	.082 [07/04]	.069 [08/23]	.077 [07/22]	.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 Federal AAQS (Note: .08 PPM standard is not exceeded unless avg. Of 4<sup>th</sup> 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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Mabel Dean H.S.	7093-05	---	---	.019	.020	.013	.011	(.014)	xxx	xxx	xxx	xxx
Susan Wagner	7097-01	.030	.032	.035	.033	.033	.030	.032	.034	.029	.029	.030

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

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>				
Susan Wagner (Operated 04/01 - 11/01)	7097-01	4,971	96	1	.136 + [07/22, 16]	.117 [08/13, 17]	.111 [06/25, 19]	.111 [07/27, 14]	.086 [06/24]	.083 [08/20]	.094 [06/25]	.087 +

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 4<sup>th</sup> max 8-hr concentrations > .084 PPM)

## OZONE - Continuous UV Light Absorption

NYSDEC Region 2  
Metropolitan Air Quality Control Region  
Queens Sites

### Annual Averages 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Queens College	7096-02N	.017	.017	.024	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Queensboro Comm Coll	7096-08	---	---	---	.021	.020	.019	.021	xxx	xxx	xxx	xxx
College Point P.O.	7096-09	---	---	---	.015	.016	.015	.017	.018	.017	.016	.017
Queens College 2	7096-15	---	---	---	---	---	---	(.017)	.019	.019	.018	.020

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 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
College Point P.O.	7096-09	8,407	96	0	.109 [08/13, 15]	.103 [08/12, 16]	.097 [07/22, 16]	.093 [06/26, 13]	.072 [06/27]	.064 [06/09]	.073 [07/27]	.069
Queens College 2	7096-15	8,351	95	0	.123 [08/12, 16]	.118 [08/13, 14]	.114 [08/04, 18]	.111 [08/05, 14]	.086 [06/24]	.075 [06/08]	.086 [07/22]	.082

(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 4<sup>th</sup> 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 1995 through 2005 Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Mabel Dean	7093-05	xxx	(.036)	.038	.031	.033	.033	(.036)	xxx	xxx	xxx	xxx
PS 59	7093-10	.059	.052	.047	.045	.046	.045	.042	.035	(.036)	(.030)	.030
Greenpoint	7095-01	.035	(.032)	xxx	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.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Mabel Dean	7093-05	xxx	(.035)	.035	.036	.037	.036	(.038)	xxx	xxx	xxx	xxx
PS 59	7093-10	.042	.042	.040	.040	.041	.038	.038	.038	(.038)	(.035)	.036
Greenpoint	7095-01N	.033	(.035)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

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 2005

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	% Avail	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
PS 59	7093-10	8,525	97	.360 [02/08, 09]	.359 [02/08, 10]	.323 [02/01, 24]	8,525	97	.100 [09/08, 12]	.099 [04/19, 13]	.096 [04/19, 21]

(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 1995 through 2005 Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Morrisania	7094-05	.032	.032	.027	.027	.031	(.039)	xxx	xxx	xxx	xxx	xxx
Botanical Gardens	7094-06	.024	.023	.023	.022	.024	.023	.026	.020	.021	.017	.015
IS 52	7094-07	---	---	---	---	(.030)	.025	(.027)	.022	.023	.022	.021

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

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Morrisania	7094-05N	.036	.036	.035	.036	.033	(.033)	xxx	xxx	xxx	xxx	xxx
Botanical Gardens	7094-06	.031	.032	.030	.030	.029	.029	.031	.028	.027	.024	.027
IS 52	7094-07	---	---	---	---	(.032)	.032	(.032)	.030	.030	.030	.029

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	% Avail	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Botanical Gardens	7094-06	7,691	88	.373 [11/21, 09]	.259 [03/07, 09]	.256 [02/16, 01]	7,755	89	.092 [09/08, 12]	.089 [04/19, 24]	.089 [09/08, 13]
IS 52	7094-07	7,801	89	.661 [02/08, 08]	.609 [02/08, 09]	.574 [02/01, 23]	7,801	89	.119 [02/08, 08]	.110 [02/01, 23]	.108 [02/08, 09]

(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 1995 through 2005 Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Queensboro Comm. Coll.	7096-08	---	---	---	.019	.019	.018	.019	xxx	xxx	xxx	xxx
College Point P.O.	7096-09	---	---	---	.030	.034	.030	.031	.026	.030	.025	.023
Queens College 2	7096-15	---	---	---	---	---	---	(.026)	.017	.020	.015	.015

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

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Queensboro Comm. Coll.	7096-08	---	---	---	.027	.026	.026	.026	xxx	xxx	xxx	xxx
College Point P.O.	7096-09	---	---	---	.028	.029	.030	.030	.028	.030	.028	.027
Queens College 2	7096-15	---	---	---	---	---	---	(.028)	.028	.027	.025	.025

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	% Avail	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
College Point P.O.	7096-09	8,509	97	.504 [02/08, 08]	.475 [02/08, 07]	.469 [02/08, 06]	8,509	97	.090 [04/20, 08]	.086 [02/01, 22]	.086 [02/01, 21]
Queens College 2	7096-15	7,778	89	.429 [02/01, 23]	.367 [02/01, 24]	.343 [02/02, 02]	7,778	89	.086 [02/01, 23]	.083 [07/26, 09]	.082 [02/01, 24]

(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/m<sup>3</sup>) 1995 through 2005

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Midtown	7093-12	0.04	0.05	0.05	0.08	xx						
Greenpoint	7095-01	0.07	0.07	(0.08)	0.07	0.06	xx	xx	xx	xx	xx	xx
PS 314	7095-07N	0.04	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Susan Wagner	7097-01	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	xx							

*Manual Monitoring data (Lead) still being evaluated at Laboratory*

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

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

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

W - 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 <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1991	92	93	94	95	96	97	98	99	2000	01	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
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 <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1991	92	93	94	95	96	97	98	99	2000	01	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
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)

W - 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 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
IS 52	7094-07	--	--	--	--	(3.9)	5.1	4.6	4.6	5.3	4.2				[06/08]	[07/02]	[08/19]
Greenpoint	7095-01	4.9	4.9	(5.4)	4.6	4.6	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
JHS 126	7095-43	--	--	--	--	--	--	4.7	4.2	4.6	3.8				[06/08]	[07/20]	[05/15]
Port Richmond	7097-03	4.7	4.8	(5.9)	(5.0)	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx

## NITRATE FRACTION

Annual Averages 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
IS 52	7094-07	--	--	--	--	(1.1)	1.1	2.0	1.0	1.2	0.8				[05/09]	[03/04]	[12/29]
Greenpoint	7095-01	1.0	1.3	(1.1)	1.2	0.8	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
JHS 126	7095-43	--	--	--	--	--	--	1.2	0.9	0.8	0.8				[01/22]	[05/09]	[12/29]
Port Richmond	7097-03	0.6	1.2	(1.0)	(0.5)	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx

*Manual Monitoring data (PM10) still being evaluated at Laboratory*

## SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region 3

Hudson Valley Air Quality Control Region

### Annual Averages 1995 through 2005

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	2005
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	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	1.4

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>140 PPB	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Mt. Ninham	3951-01	8,541	98	8,400	0	22.6 [10/18, 22]	21.8 [07/22, 16]	20.1 [03/15, 22]	361	0	12.2 [12/23]	9.9 [12/11]	9.9 [01/30]
Belleayre Mtn.	5565-03	8,406	96	8,274	0	18.2 [12/23, 11]	18.0 [10/31, 21]	16.7 [12/23, 14]	353	0	13.1 [12/23]	11.1 [12/11]	8.5 [11/21]

(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

## INHALABLE PARTICULATES - Wedding Sampler

NYSDEC Region **3**

Hudson Valley Air Quality Control Region

Annual Averages 1995 through 2005

Annual Arithmetic Mean (ug/m<sup>3</sup>)

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

*Manual Monitoring data (PM10) still being evaluated at Laboratory*

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	24-Hour Concentrations - ug/m <sup>3</sup>						# of Days > 150 ug/m <sup>3</sup> - Not to exceed an expected avg of one per year during the last 3 years *							
		Total Obs.	Value	Date	Value	Date	Value	Date	2003	2004	2005	Exp Avg			
Belleayre Mtn. (W)	5565-03								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 2005

(Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
Poughkeepsie (F)	1302-06	xx	xx	xx	xx	xx	xx	(32.8)	xx	xx	xx	xx	xx	xx	xx	(10.7)	xx
Newburgh (F)	3502-04	113	46.3 [09/13]	31.2 [02/03]	29.6 [08/14]	29.6	27.4	31.3	29	11.5	10.8	15.3	10.7	12.1	10.4	11.8	11.4
Newburgh (T)	3502-04	363	49.1 [09/13]	43.3 [06/26]	39.1 [06/25]	29.2	29.0	31.8	30	11.2	12.0	15.5	10.4	12.3	11.8	12.4	12.2
Mamaroneck (F)	5956-01	119	41.8 [09/13]	33.3 [08/05]	32.8 [11/21]	32.8	33.5	36.8	34	11.9	11.2	15.2	11.3	12.4	11.3	12.2	12.0
White Plains (T)	5902-04	355	44.5 [08/13]	42.6 [09/13]	36.9 [08/14]	27.6	26.7	29.9	28	9.4	10.8	13.9	9.7	11.0	10.8	11.9	11.2

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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
White Plains (Metro.)	5902-04N	.023	.022	.024	.023	.024	.021	.024	.024	.024	.019	.025
Valley Central (Hud.Valley)	3527-01	.029	.030	.031	.032	.030	.026	.030	.029	.029	.028	.031

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> Highest Daily Maximum 8-Hour Average -Not to exceed an avg of 0.08 ppm during the last 3 years *			
		Observations			Highest Values, PPM				2003	2004	2005	Avg
		Total Obs.	% Avail	>.12 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>				
White Plains (Metro.)	5902-04N	8,655	99	1	.133 + [06/26, 15]	.123 [08/12, 17]	.119 [07/27, 14]	.118 [07/26, 16]	.091 [07/04]	.078 [08/20]	.095 [08/13]	.088 +
Valley Central (Hud.Valley) (Oper. 03/25-11/02)	3527-01	5,225	98	0	.107 [07/12, 17]	.107 [09/07, 18]	.105 [07/26, 19]	.102 [06/09, 17]	.087 [07/15]	.078 [07/01]	.087 [08/12]	.084

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 4<sup>th</sup> max 8-hr concentrations > .084 PPM)

## OZONE - Continuous UV Light Absorption

NYSDEC Region 3

Hudson Valley Air Quality Control Region

Annual Averages 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Millbrook	1328-01	.028	.028	.028	.030	.030	.026	.030	.029	.028	.025	.025
Mt. Ninham	3951-01	.032	.033	.033	.035	.035	.027	.033	0.35	.031	.028	.029
Belleayre Mtn.	5565-03	.034	.034	.035	.035	.037	.032	.035	.036	.036	.034	.035

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
Millbrook	1328-01	8,541	98	0	.111 [06/09, 17]	.102 [08/12, 19]	.090 [06/25, 14]	.089 [08/04, 20]	.081 [07/02]	.076 [07/01]	.082 [06/25]	.079
Mt. Ninham (Operated 03/25- 12/31)	3951-01	6,605	98	1	.141 + [08/12, 18]	.119 [07/27, 14]	.118 [09/13, 17]	.114 [06/09, 16]	.082 [07/07]	.082 [06/08]	.096 [06/25]	.086 +
Belleayre Mtn.	5565-03	8,433	96	0	.093 [06/24, 18]	.089 [06/25, 11]	.086 [06/09, 21]	.085 [04/07, 17]	.082 [07/03]	.076 [08/10]	.080 [09/22]	.079

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 4<sup>th</sup> 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/m<sup>3</sup>) 1995 through 2005**

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Mamaroneck (Metro.)	5956-01	0.03	xxx									
Wallkill (H.Valley)	3566-02	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	0.05	0.05	0.07	0.06	0.08	0.09	0.08	0.06	0.07	0.07	
Wallkill (H.Valley)	3566-10	(0.03)	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 2005**

		24-Hour Concentrations - ug/m <sup>3</sup>								QUARTERLY AVERAGES Maximum not to exceed 1.5 ug/m <sup>3</sup> *		
		Maximum		2 <sup>nd</sup> Max.		3 <sup>rd</sup> Max.		Highest Values, ug/m <sup>3</sup> [Quarter]				
Station	Site No.	Total Obs.	% Avail	Value	Date	Value	Date	Value	Date	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Wallkill	3566-02											
Wallkill	3566-09											
Scotchtown	3566-11											

*Manual Monitoring data (Lead) still being evaluated at Laboratory*

(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 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Belleayre Mtn (W)	5565-03	4.0	3.5	4.5	5.0	3.6	3.5	3.5	3.3	3.0	3.3				[06/08]	[08/19]	[06/14]
Mt. Ninham (W)	3951-01	4.0	3.8	4.5	4.2	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx

## NITRATE FRACTION

Annual Averages 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Belleayre Mtn (W)	5565-03	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2				[01/10]	[02/27]	[02/15]
Mt. Ninham (W)	3951-01	0.2	0.3	0.3	0.2	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx

*Manual Monitoring data (PM10) still being evaluated at Laboratory*

(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 1995 through 2005

Annual Arithmetic Mean (ppm) - Primary Standard

(12 month average not to exceed 0.03 PPM \*)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Loudonville	0101-33N	.003	.004	.003	.004	.004	.004	.005	.004	.004	.004	.005
Schenectady	4601-05N	.005	.005	.003	.003	.003	.003	.004	.004	.003	.004	.005

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 *				
Station	Site No.			Observations	Highest Values, PPM Non-Overlapping			Observations	Highest Values, PPM Midnight - Midnight				
		Total Obs.	% Avail	Total	>0.5 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>.14 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Loudonville	0101-33N	8,614	98	8,502	0	.027 [12/23, 09]	.026 [12/23, 12]	.024 [11/21, 23]	365	0	.023 [12/23]	.021 [12/11]	.018 [02/08]
Schenectady	4601-05N	8,633	99	8,517	0	.030 [12/23, 17]	.024 [12/23, 14]	.022 [11/21, 16]	365	0	.019 [12/23]	.017 [12/11]	.014 [11/21]

(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

## SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region 4

Hudson Valley Air Quality Control Region

### Annual Averages 1995 through 2005

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB \*)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Dyken Pond	4153-03	0.9	1.6	1.7	1.6	1.5	1.5	(1.7)	xxx	xxx	xxx	xx
Grafton State Park	4153-04	—	—	—	—	—	—	(2.3)	2.2	2.0	1.6	1.9

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 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>140 PPB	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Grafton State Park	4153-04	7,404	85	7,292	0	19.7 [12/11, 02]	18.3 [12/23, 07]	17.9 [12/23, 10]	312	0	14.9 [12/23]	14.1 [12/11]	11.2 [11/21]

(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

## INHALABLE PARTICULATES - Wedding Sampler

NYSDEC Region **4**

Hudson Valley Air Quality Control Region

### Annual Averages 1993 through 2003

Annual Arithmetic Mean (ug/m<sup>3</sup>)

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 2005

(Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
Albany Co. HD (F)	0101-13	119	41.6 [09/13]	41.1 [02/03]	35.9 [02/06]	35.9	32.4	34.0	34	13.3	11.3	13.5	11.6	12.4	11.2	12.2	11.9
Albany Co. HD (T)	0101-13	365	46.3 [06/26]	45.9 [09/13]	42.3 [06/25]	30.7	29.3	31.7	31	12.0	12.6	14.3	10.8	12.4	11.8	12.4	12.2
Loudonville (F)	0101-33	xx	xx	xx	xx	xx	xx	(33.0)	xx	xx	xx	xx	xx	xx	xx	(10.1)	xx
Schenectady (F)	4601-05	xx	xx	xx	xx	xx	xx	(32.6)	xx	xx	xx	xx	xx	xx	xx	(11.5)	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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Loudonville	0101-33	---	---	0.8	0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.4
Schenectady	4601-05	0.4	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.4	0.4

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>9 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Days > 9 PPM
Loudonville	0101-33	8,652	99	0	2.1 [02/01, 10]	1.9 [02/03, 10]	1.7 [02/03, 08]	8,721	0	1.4 [02/01, 14]	1.4 [02/03, 13]	0.9 [01/29, 10]	0
Schenectady	4601-05	8,637	99	0	3.5 [02/07, 22]	3.3 [02/02, 22]	3.3 [02/07, 21]	8,699	0	2.6 [02/08, 01]	2.3 [02/07, 02]	2.3 [02/03, 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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Loudonville	0101-33N	.025	.024	.026	.026	.026	.022	.026	.027	.025	.025	.027
Schenectady	4601-05	.022	.020	.022	.022	.023	.021	.024	.024	.023	.021	.023
Grafton Lake State Park	4153-04	--	--	--	--	--	--	--	.037	.037	.035	.037

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

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
Loudonville	0101-33N	8,582	98	0	.103 [06/27, 14]	.102 [06/09, 18]	.094 [06/25, 16]	.093 [06/08, 19]	.076 [06/29]	.072 [08/10]	.080 [06/26]	.076
Schenectady	4601-05	8,514	97	0	.099 [06/27, 15]	.092 [06/25, 16]	.092 [09/13, 17]	.090 [06/09, 15]	.078 [07/04]	.068 [04/30]	.077 [09/13]	.074
Grafton Lake	4153-04	8,248	94	0	.124 [06/09, 21]	.091 [06/27, 13]	.091 [06/25, 22]	.091 [07/26, 22]	.079 [07/02]	.076 [06/08]	.081 [06/27]	.078

(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 4<sup>th</sup> 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 <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1993	94	95	96	97	98	99	2000	01	02	03	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
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 <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1993	94	95	96	97	98	99	2000	01	02	03	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
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 1995 through 2005**

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB \*)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Piseco Lake	2050-01	0.9	0.9	0.9	0.8	1.0	1.1	1.2	1.1	1.1	0.8	0.7
Whiteface Mtn. - Lodge	1567-04	0.9	0.9	0.9	1.0	1.1	1.0	1.4	1.3	1.0	0.8	1.1
Paul Smiths College	1655-01	-	-	-	-	-	-	-	-	-	0.9	1.2

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 478night - Midnight				
Station	Site No.	Total Obs.	% Avail	Total	>500 PPB	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>140 PPB	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Piseco Lake	2050-01	8,478	97	8,359	0	14.5 [12/23, 12]	13.7 [12/23, 09]	12.7 [12/23, 15]	358	0	11.7 [12/23]	4.1 [12/11]	3.4 [12/24]
Whiteface Mtn. -Lodge	1567-04	8,420	96	8,232	0	14.1 [12/11, 06]	10.8 [12/11, 09]	9.9 [10/31, 06]	354	0	8.8 [12/11]	7.4 [12/23]	6.1 [10/31]
Paul Smiths College	1655-01	8,547	98	8,421	0	12.0 [11/20, 03]	11.7 [12/11, 10]	11.0 [09/14, 16]	359	0	8.4 [12/23]	8.3 [12/11]	7.0 [11/20]

(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 1995 through 2005

Annual Arithmetic Mean (ug/m<sup>3</sup>)

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

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 2005

		24-Hour Concentrations - ug/m <sup>3</sup>						# of Days > 150 ug/m <sup>3</sup> - Not to exceed an expected avg of one per year during the last 3 years *							
		Maximum		2 <sup>nd</sup> Max.		3 <sup>rd</sup> Max.		2003		2004		2005			
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
Whiteface Mtn. Base (W)	1567-04								0	0.0	0	0.0	0	0.0	0.0

*Manual Monitoring data (PM10) still being evaluated at Laboratory*

(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 2005

(Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
Whiteface Base (F)	1567-04	332	34.1 [09/13]	32.4 [08/04]	30.9 [06/25]	26.6	23.2	20.4	23	4.3	7.2	9.7	5.5	6.7	6.0	(5.9)	6.2
Whiteface Base (T)	1567-04	349	36.0 [09/13]	33.4 [06/25]	31.7 [06/26]	28.9	24.9	23.4	26	5.7	8.7	11.1	6.8	8.1	7.6	7.4	7.7

(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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Stillwater	4567-01	.028	.027	.030	.031	.032	.029	.032	.032	.035	.032	.033

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
Stillwater (oper. 1/1 - 11/03)	4567-01	7,205	98	0	.108 [06/27, 14]	.104 [06/09, 20]	.099 [06/25, 15]	.095 [06/24, 19]	.086 [07/04]	.077 [07/04]	.084 [06/24]	.082

(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 4<sup>th</sup> max 8-hr concentrations > .084 PPM)

## OZONE - Continuous UV Light Absorption

NYSDEC Region **5**

Northern Air Quality Control Region

Annual Averages 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Whiteface Mtn. Summit	1567-03	.042	.042	.040	.039	.044	.041	.041	(.041)	.046	(.046)	(.041)
Whiteface Mtn. Base	1567-04	.035	.035	.036	.039	.039	.032	.036	.039	.038	.036	.036
Piseco Lake	2050-01	.028	.028	.030	.031	.032	.029	.031	.031	.031	.031	.029

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
Whiteface Mtn. Summit	1567-03	5,330	61	0	.096 [09/12, 24]	.087 [07/22, 07]	.085 [07/21, 24]	.085 [09/13, 01]	.095 [06/25]	.077 [04/30]	.079 [10/04]	.083
Whiteface Mtn. Base	1567-04	8,437	96	0	.092 [06/26, 01]	.091 [06/25, 24]	.088 [09/12, 24]	.087 [04/19, 22]	.087 [06/26]	.070 [06/07]	.073 [07/22]	.076
Piseco Lake	2050-01	8,423	96	0	.092 [09/14, 14]	.089 [06/25, 19]	.081 [09/13, 16]	.078 [06/08, 16]	.077 [04/15]	.068 [09/22]	.074 [09/13]	.073

(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 4<sup>th</sup> 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 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Whiteface Mtn (Base) (W)	1567-04	2.5	2.3	3.5	3.3	2.8	2.5	2.7	2.9	(2.6)	2.8				[06/08]	[08/31]	[07/20]
Glens Falls (W)	5601-04	3.3	(3.7)	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xxx	xxx	xxx

## NITRATE FRACTION

Annual Averages 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Whiteface Mtn (Base) (W)	1567-04	0.2	0.3	0.2	0.3	0.3	0.2	0.3	0.2	(0.2)	0.1				[01/22]	[11/11]	[12/17]
Glens Falls (W)	5601-04	0.6	(0.7)	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xxx	xxx	xxx

*Manual Monitoring data (PM10) still being evaluated at Laboratory*

## SULFUR DIOXIDE - Continuous Pulsed Fluorescence (Low Level)

NYSDEC Region **6**

Cental Air Quality Control Region

### Annual Averages 1995 through 2005

Annual Arithmetic Mean (ppb) - Primary Standard

(12 month average not to exceed 30 PPB \*)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Nick's Lake	2167-03	0.9	1.0	0.9	0.7	0.9	0.9	1.0	1.0	1.0	0.9	0.9

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>140 PPB	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Nick's Lake	2167-03	8,500	97	8,356	0	12.0 [12/23, 15]	10.8 [12/11, 02]	10.7 [12/23, 20]	357	0	8.2 [12/23]	6.3 [12/11]	5.6 [11/13]

(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 1995 through 2005

Annual Arithmetic Mean (ug/m<sup>3</sup>)

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

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

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	24-Hour Concentrations - ug/m <sup>3</sup>						# of Days > 150 ug/m <sup>3</sup> - Not to exceed an expected avg of one per year during the last 3 years *							
		Maximum		2 <sup>nd</sup> Max.		3 <sup>rd</sup> Max.		2003		2004		2005			
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
Nick's Lake (W)	2167-03								0	0.0	0	0.0	0	0.0	0.0

*Manual Monitoring data (PM10) still being evaluated at Laboratory*

(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 2005**  
 (Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
Utica (F)	3202-01	xx	xx	xx	xx	xx	xx	(28.0)	xx	xx	xx	xx	xx	xx	xx	(10.5)	xx
Utica (T)	3202-01	365	40.5 [06/25]	38.0 [09/13]	35.9 [08/04]	26.5	28.5	(27.5)	28	10.9	11.1	13.4	10.3	11.4	11.2	(11.5)	11.4
Potsdam (F)	4477-01	111	34.6 [09/13]	33.4 [10/04]	26.8 [06/09]	26.8	20.8	20.0	23	6.6	8.1	10.7	7.9	8.3	7.2	7.7	7.7

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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Perch River	2223-01	.034	.034	.034	.035	.036	.029	.041	.040	.036	.032	.034
Camden	3255-01N	.024	.023	.024	.024	.026	.023	.026	.029	.027	.025	.024
Nick's Lake	2167-03	.028	.028	.028	.028	.029	.027	.029	.029	.029	.028	.029

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
Perch River (Operated 04/01 - 11/08)	2223-01	5,134	96	0	.104 [06/25, 20]	.094 [09/13, 16]	.092 [07/21, 16]	.091 [08/04, 16]	.089 [08/21]	.070 [04/29]	.083 [08/04]	.080
Camden (Operated 03/30 - 11/07)	3255-01N	5,112	96	0	.086 [06/08, 17]	.086 [06/25, 16]	.081 [08/04, 14]	.080 [06/24, 14]	.081 [07/04]	.067 [06/07]	.069 [08/04]	.072
Nick's Lake	2167-03	8,512	97	0	.085 [06/25, 15]	.078 [04/17, 20]	.076 [06/24, 16]	.075 [04/20, 15]	.075 [04/15]	.064 [06/13]	.068 [04/20]	.069

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 4<sup>th</sup> 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 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Nick's Lake (W)	2167-03	2.5	3.1	3.1	3.2	3.0	2.6	3.1	3.0	(2.8)	3.7				[06/08]	[08/19]	[08/25]

## NITRATE FRACTION

Annual Averages 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Nick's Lake (W)	2167-03	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	(0.2)	0.2				[01/28]	[03/04]	[02/27]

*Manual Monitoring data (PM10) still being evaluated at Laboratory*

## SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region 7

Central Air Quality Control Region

### Annual Averages 1995 through 2005

Annual Arithmetic Mean (ppm) - Primary Standard

(12 month average not to exceed 0.03 PPM \*)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Camp Georgetown	2655-01	—	—	—	—	—	—	.002	.002	.002	.002	.002
East Syracuse	3353-09N	.004	.003	.002	.002	.002	.003	.003	.003	.003	.003	.002

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

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>.14 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Camp Georgetown	2655-01	8,563	98	8,439	0	.031 [02/08, 02]	.024 [12/10, 23]	.023 [12/23, 22]	364	0	.021 [12/23]	.012 [02/08]	.012 [12/11]
East Syracuse	3353-09N	8,563	98	8,426	0	.019 [02/01, 17]	.017 [01/31, 17]	.017 [02/05, 15]	365	0	.012 [12/23]	.009 [12/11]	.008 [11/13]

(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)  
 \*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 (<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 2005

(Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
Binghamton (F)	0301-14	xx	xx	xx	xx	xx	xx	(18.9)	xx	xx	xx	xx	xx	xx	xx	(10.3)	xx
Syracuse (F)	3301-24	xx	xx	xx	xx	xx	xx	(27.2)	xx	xx	xx	xx	xx	xx	xx	(10.1)	xx
Syracuse (F)	3301-25	xx	xx	xx	xx	xx	xx	(24.8)	xx	xx	xx	xx	xx	xx	xx	(9.9)	xx
East Syracuse (F)	3353-09	61	38.0 [12/24]	34.8 [09/13]	25.5 [09/25]	34.8	24.6	22.7	27	11.8	9.7	14.4	10.3	11.5	9.8	9.8	10.4

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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Syracuse	3301-22	0.7	0.7	0.6	0.6	0.5	0.6	0.5	0.5	0.6	0.5	0.5

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>9 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Days> 9PPM
Syracuse	3301-22	8,629	99	0	3.2 [01/29, 24]	2.8 [03/04, 14]	2.7 [01/30, 01]	8,684	0	2.3 [01/30, 03]	1.9 [01/31, 24]	1.8 [02/01, 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 7

Central Air Quality Control Region

### Annual Averages 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Fulton/Granby	3754-01	---	---	---	---	---	---	---	---	.035	.031	.034
East Syracuse	3353-09N	.025	.024	.025	.025	.027	.024	.027	.028	.025	.023	.028
Camp Georgetown	2655-01	.032	.031	.031	.031	.034	.030	.033	.034	.033	.030	.033

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
Fulton/Granby (oper. 03/29 - 11/07)	3754-01	4,938	92	0	.106 [06/25, 19]	.098 [06/08, 15]	.087 [06/21, 21]	.087 [07/21, 19]	.093 [07/04]	.076 [06/07]	.079 [06/24]	.082
East Syracuse	3353-09N	7,300	83	0	.095 [06/25, 22]	.095 [06/08, 18]	.087 [08/04, 14]	.084 [06/02, 15]	.081 [07/04]	.066 [08/03]	.077 [06/02]	.074
Camp Georgetown	2655-01	8,451	96	0	.081 [04/20, 14]	.081 [04/06, 17]	.081 [06/25, 14]	.081 [10/04, 15]	.080 [07/04]	.067 [06/08]	.074 [06/08]	.073

(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 4<sup>th</sup> 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 1995 through 2005

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

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Rochester (G-F Lakes)	2701-08N	.008	.008	.007	.008	.005	.006	.008	.005	.006	(.006)	xx
Rochester (G-F Lakes)	2701-01N	.011	.010	.010	.010	.007	.006	.006	.005	.005	(.006)	xx
Rochester (G-F Lakes)	2701-22	--	--	--	--	--	--	--	--	--	(.005)	.004
Elmira (S. Tier West)	0701-05	.004	.004	.003	.003	.004	.003	.004	.004	.004	.003	.003

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

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>.14 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Rochester 2 (G-F Lakes)	2701-22	8,551	98	8,447	0	.048 [01/03, 14]	.044 [09/14, 23]	.035 [07/20, 21]	360	0	.016 [09/14]	.014 [01/03]	.013 [02/23]
Elmira (S. Tier West)	0701-05	8,558	98	8,456	0	.030 [11/27, 16]	.024 [02/01, 20]	.024 [11/27, 21]	361	0	.015 [11/27]	.015 [12/23]	.013 [11/19]

(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 2005

(Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
Rochester (F)	2701-01	xx	xx	xx	xx	xx	(28.9)	28.4	xx	xx	xx	xx	xx	xx	(11.7)	11.1	xx
Rochester (T)	2701-01	xx	xx	xx	xx	xx	(18.9)	26.9	xx	xx	xx	xx	xx	xx	(8.2)	11.2	xx
Rochester 2 (F)	2701-22	110	38.9 [12/24]	38.3 [09/13]	37.6 [02/06]	37.6	(35.9)	--	--	12.5	11.4	(14.1)	12.3	12.5	(10.9)	--	--
Rochester 2 (T)	2701-22	354	43.4 [09/14]	41.0 [09/13]	40.8 [08/04]	33.2	(33.8)	--	--	10.4	11.7	15.5	9.9	11.9	(11.4)	--	--
Rochester (F)	2701-04	xx	xx	xx	xx	xx	xx	(35.8)	xx	xx	xx	xx	xx	xx	xx	(11.0)	xx
Pinnacle (F)	5001-04	326	39.5 [08/04]	34.3 [06/25]	32.3 [07/15]	29.2	29.3	26.2	28	8.8	9.5	13.2	7.6	9.8	8.9	9.5	9.4

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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Rochester	2701-08N	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5	(0.5)	xx
Rochester Downtown	2701-01N	0.6	0.6	0.5	0.6	0.7	0.6	0.5	0.5	0.5	(0.5)	xx
Rochester 2	2701-22	--	--	--	--	--	--	--	--	--	(0.5)	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 2005

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 *					
		Total Obs.	% Avail	>35 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>9 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Days> 9PPM
Rochester 2	2701-22	8,626	98	0	2.5 [02/07, 19]	2.5 [02/01, 24]	2.4 [02/07, 20]	8,620	0	2.1 [02/08, 01]	2.0 [02/02, 02]	1.8 [01/30, 05]	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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Rochester (G-F Lakes)	2701-08N	.023	.023	.024	.025	(.024)	.023	.026	.028	.025	(.025)	xx
Rochester 2 (G-F Lakes)	2701-22	--	--	--	--	--	--	--	--	--	(.019)	.023
Williamson (G-F Lakes)	5863-01N	.029	.027	.028	.031	.034	.028	.029	.032	.032	.029	.029
Elmira (S. Tier West)	0701-05	.023	.023	.023	.024	.026	.023	.026	.027	.024	.024	.025

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 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
Rochester 2 (G-F Lakes)	2701-22	8,521	97	0	.094 [07/21, 17]	.090 [06/25, 20]	.090 [06/02, 15]	.088 [06/08, 13]	--	.057 [09/04]	.080 [07/21]	---
Williamson (G-F Lakes) (Operated 03/30 - 11/02)	5863-01N	5,109	98	0	.090 [06/25, 21]	.077 [07/21, 21]	.075 [04/19, 19]	.075 [06/21, 20]	.084 [07/04]	.065 [06/08]	.065 [05/10]	.071
Elmira (S. Tier West)	0701-05	8,266	94	0	.079 [09/13, 15]	.078 [06/24, 17]	.077 [08/04, 13]	.076 [06/25, 17]	.078 [04/15]	.065 [07/01]	.069 [09/13]	.070

(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 4<sup>th</sup> max 8-hr concentrations > .084 PPM)

## SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region 9

Niagara Frontier Air Quality Control Region

### Annual Averages 1995 through 2005

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

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Niagara Falls	3102-09N	.008	.008	.005	xxx							
Niagara Falls	3102-25	---	---	---	.004	.005	.005	.004	.004	.004	.003	.003
Buffalo	1401-18N	.007	.008	.007	.007	.007	.007	.007	.006	.005	.003	.004
Lackawanna	1402-01N	.007	.006	.006	.007	.006	xxx	xxx	xxx	xxx	xxx	xxx
Tonawanda	1472-04N	.009	.007	.012	.009	.010	.010	.010	.011	.009	.008	.006

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>.14 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Niagara Falls	3102-25	8,634	99	8,514	0	.022 [05/10, 14]	.021 [02/07, 17]	.019 [02/04, 18]	365	0	.013 [02/07]	.013 [02/04]	.010 [02/05]
Buffalo	1401-18N	8,434	96	8,326	0	.034 [07/04, 22]	.032 [02/04, 16]	.029 [04/20, 09]	355	0	.018 [02/04]	.016 [02/07]	.012 [02/05]
Tonawanda	1472-04N	8,545	98	8,427	0	.136 [07/12, 14]	.110 [11/05, 16]	.095 [08/14, 07]	359	0	.039 [09/12]	.035 [12/22]	.034 [12/10]

(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

## SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region 9

Southern Tier West Air Quality Control Region

### Annual Averages 1995 through 2005

Annual Arithmetic Mean (ppm) - Primary Standard

(12 month average not to exceed 0.03 PPM \*)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Jamestown	0602-07	(.010)	.008	.007	.008	.008	.008	.009	xxx	xxx	xxx	xxx
Dunkirk	0601-04	--	--	--	--	.008	.008	.008	.007	.007	.005	.004

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

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>.14 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Dunkirk	0601-04	8,507	97	8,389	0	.155 [01/06, 21]	.072 [04/25, 14]	.059 [04/04, 14]	359	0	.026 [01/06]	.025 [04/04]	.019 [02/04]

(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 1995 through 2005

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

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Westfield	0675-01	5.0	5.2	4.5	5.2	5.2	5.2	4.8	4.1	4.3	3.5	3.5

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>140 PPB	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Westfield	0675-01	8,511	97	8,391	0	28.8 [01/26, 01]	26.8 [01/31, 18]	26.6 [02/04, 13]	359	0	15.1 [02/04]	14.0 [11/26]	13.5 [11/27]

(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 1995 through 2005

Annual Arithmetic Mean (ug/m<sup>3</sup>)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	3 Yr Exp Val
Niagara Falls (NF)	3102-17N	19	19	19	21	xx							
Niagara Falls (NF)	3102-25	--	--	--	24	20	17	18	17	17	17		
N. Tonawanda (NF)	3103-07	19	22	20	21	xx							
Lewiston (NF)	3152-02	18	19	17	19	xx							
Jamestown (STW)	0602-04	18	17	18	18	20	xx						
Jamestown (STW)	0602-07	19	(20)	20	20	22	xx						
Westfield (STW)	0675-01	15	16	15	16	17	14	14	12	12	11		

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	24-Hour Concentrations - ug/m <sup>3</sup>						# of Days > 150 ug/m <sup>3</sup> - Not to exceed an expected avg of one per year during the last 3 years *							
		Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp Avg
Niagara Falls (W)	3102-25								0	0.0	0	0.0	0	0.0	0.0
Westfield (W)	0675-01								0	0.0	0	0.0	0	0.0	0.0

*Manual Monitoring data (PM10) still being evaluated at Laboratory*

(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 2005

(Average of last 3 years' annual means not to exceed 15 µg/m<sup>3</sup> \*; and average of 98<sup>th</sup> percentile for last 3 years not to exceed 65 µg/m<sup>3</sup> \*)

Station	Site No.	Total Obs.	Maximum Values			98 <sup>th</sup> Percentile				Quarterly Averages, 2005				Annual Mean			
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	2005	2004	2003	3-yr avg	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2005	2004	2003	3-yr avg
Amherst (NF) (F)	1451-03	xx	xx	xx	xx	xx	xx	35.5	xx	xx	xx	xx	xx	xx	xx	(12.5)	xx
Buffalo (NF) (F)	1401-18	113	47.0 [09/13]	44.7 [10/04]	39.7 [02/03]	39.7	32.8	38.7	37	14.8	14.3	16.1	13.8	14.7	12.6	13.7	13.7
Buffalo (NF) (T)	1401-18	357	48.5 [10/04]	47.5 [09/13]	47.3 [09/14]	37.4	37.6	36.4	37	11.4	14.1	16.9	11.3	13.4	12.3	12.9	12.9
Lackawanna (NF) (F)	1402-14	117	45.7 [09/13]	43.0 [10/04]	37.1 [02/03]	37.1	31.5	37.2	35	15.1	14.5	17.0	11.8	14.6	12.0	12.3	13.0
Niagara Falls (NF) (F)	3102-25	110	47.1 [02/06]	45.0 [10/04]	43.3 [09/13]	43.3	30.1	29.6	34	13.9	14.7	15.6	11.8	14.0	11.2	11.8	12.3
Niagara Falls (NF) (T)	3102-25	353	46.0 [10/04]	42.2 [09/13]	42.1 [09/14]	35.9	29.9	31.2	32	10.9	13.0	16.0	10.8	12.7	11.3	11.9	12.0
Westfield (STW)(F)	0675-01	117	38.2 [09/13]	36.8 [06/12]	34.1 [06/09]	34.1	26.6	26.3	29	8.8	11.7	14.7	9.0	11.1	9.3	9.7	10.0

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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Niagara Falls	3102-09N	0.4	0.4	0.3	xx	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	0.2
Buffalo	1401-18	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4
Buffalo Downtown	1401-31N	0.7	0.7	0.6	0.6	0.6	0.5	0.5	(0.4)	xx	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 2005

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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	>9 PPM	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Days > 9PPM
Niagara Falls	3102-25	8,394	96	0	7.0 [04/08, 12]	5.7 [04/08, 11]	2.5 [01/28, 09]	8,444	0	2.2 [04/08, 12]	1.8 [02/06, 06]	1.6 [01/28, 10]	0
Buffalo	1401-18	8,692	99	0	2.8 [02/07, 21]	2.5 [02/07, 22]	2.4 [02/06, 21]	8,754	0	1.7 [02/05, 07]	1.6 [02/07, 23]	1.6 [03/05, 08]	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 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Middleport	3120-02N	.030	.029	.028	.031	.033	.028	.030	.034	.034	.030	.036
Amherst	1451-03N	.025	.023	.023	.028	.028	.026	.028	.031	.028	.028	.030

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
Middleport (Operated 03/31 - 10/27)	3120-02N	4,963	98	0	.108 [06/28, 15]	.106 [06/25, 16]	.102 [06/08, 15]	.097 [07/11, 17]	.091 [06/23]	.078 [06/07]	.090 [06/24]	.086 +
Amherst	1451-03N	8,507	97	0	.121 [07/12, 16]	.111 [06/25, 17]	.101 [06/28, 14]	.095 [06/08, 16]	.092 [08/21]	.077 [08/18]	.090 [06/08]	.086 +

(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 4<sup>th</sup> max 8-hr concentrations > .084 PPM)

## OZONE - Continuous UV Light Absorption

NYSDEC Region 9

Southern Tier West Air Quality Control Region

### Annual Averages 1995 through 2005

Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Westfield	0675-01	.034	.034	.034	.036	.036	.033	.035	.038	.034	.033	.035
Dunkirk	0604-01	---	---	---	---	.036	.031	.032	.034	.033	.032	.033

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

Station	Site No.	One Hour Averages							4 <sup>th</sup> 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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2003	2004	2005	Avg
Westfield	0675-01	8,489	97	0	.097 [06/27, 15]	.093 [06/25, 20]	.086 [06/24, 17]	.085 [06/07, 20]	.088 [07/03]	.073 [05/13]	.077 [06/07]	.079
Dunkirk	0604-01	8,595	98	0	.105 [06/25, 19]	.101 [06/07, 19]	.101 [06/27, 18]	.097 [06/24, 20]	.094 [07/03]	.085 [05/13]	.089 [06/07]	.089 +

(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 4<sup>th</sup> max 8-hr concentrations > .084 PPM)

## NITRIC OXIDE & NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region 9

Niagara Frontier Air Quality Control Region

### Annual Averages 1995 through 2005 Nitric Oxide - Annual Arithmetic Mean (ppm)

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Buffalo	1401-18	.021	.024	.018	.021	.021	.021	.018	.015	.019	.015	.016
Amherst	1451-03	.008	.010	.008	.008	.007	.008	.006	.005	.006	.005	.006

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

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Buffalo	1401-18N	.021	.022	.020	.021	.022	.022	.021	.020	.020	.018	.019
Amherst	1451-03N	.016	.016	.016	.015	.016	.015	.015	.013	.013	.012	.013

### Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2005

		Nitric Oxide One-Hour Averages					Nitrogen Dioxide One-Hour Averages				
		Observations		Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total	% Avail	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Total	% Avail	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Buffalo	1401-18	8,550	98	.389 [02/07, 22]	.389 [02/07, 21]	.374 [04/05, 08]	8,550	98	.082 [04/06, 22]	.082 [04/06, 21]	.080 [10/04, 20]
Amherst	1451-03	7,960	91	.257 [02/03, 10]	.248 [12/13, 03]	.239 [12/13, 02]	7,960	91	.072 [02/03, 12]	.069 [02/03, 11]	.063 [03/16, 23]

(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/m<sup>3</sup>) 1993 through 2003

Station	Site No.	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Buffalo	1401-29N	0.03	0.03	0.03	0.03	xxx	xxx	xxx	xxx	xxx	xxx	xx
Buffalo	1401-32N	(0.03)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xx
Niagara Falls	3102-09	0.02	0.02	(0.02)	xxx	xx						
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 2005

		24-Hour Concentrations - ug/m <sup>3</sup>								QUARTERLY AVERAGES Maximum not to exceed 1.5 ug/m <sup>3</sup> *		
				Maximum	2 <sup>nd</sup> Max.		3 <sup>rd</sup> Max.		Highest Values, ug/m <sup>3</sup> [Quarter]			
Station	Site No.	Total Obs.	% Avail	Value	Date	Value	Date	Value	Date	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Niagara Falls	3102-25									]	]	]

*Manual Monitoring data (Lead) still being evaluated at Laboratory*

(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 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Niagara Falls (W)	3102-09	4.3	4.4	(4.9)	xx	xx	xx	xx	xx	xx	xx	xx	xxx	xx	xx	xx	xx
Niagara Falls (W)	3102-17	4.2	4.7	4.4	4.9	xx	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				[06/08]	[08/25]	[09/24]
Westfield (W) (STW)	0675-01	4.7	4.7	5.3	6.3	5.0	4.7	4.4	4.3	4.0	3.9				[08/25]	[06/08]	[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 1995 through 2005

2005 Data Summary

		Annual Arithmetic Mean, (ug/m <sup>3</sup> )											Observations		Highest Values, ug/m <sup>3</sup>		
Station	Site No.	1995	96	97	98	99	2000	01	02	03	04	05	Total	%	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Niagara Falls (W)	3102-09	0.4	1.0	(0.7)	xx	xx	xx	xx	xx	xx	xx	xx	xxx	xx	xx	xx	xx
Niagara Falls (W)	3102-17	0.5	0.8	0.8	1.0	xx	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				[03/04]	[02/27]	[03/10]
Westfield (W) (STW)	0675-01	0.2	0.3	0.3	0.3	0.2	0.3	0.5	0.2	0.2	0.2				[02/27]	[02/09]	[01/22]

*Manual Monitoring data (PM10) still being evaluated at Laboratory*