

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **1**

Annual Averages 2004 through 2014
Annual Arithmetic Mean (ppb) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Eisenhower Park	2950-10	4.29	4.16	3.86	3.73	4.72	3.45	2.09	1.97	(1.15)	(1.12)	1.35
Holtsville	5151-10	7.04	7.26	3.74	4.54	4.82	3.81	3.95	2.22	(1.03)	(1.20)	0.84

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

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One Hour Averages Average of 99 th percentile for last 3 years not to exceed 75 PPB *					
		Observations		99 th Percentile, PPB			
Station	Site No.	Total Obs.	% Avail	2014	2013	2012	3-yr Avg.
Eisenhower Park	2950-10	8,613	98	9.6	6.0	16.4	10.6
Holtsville	5151-10	8,209	98	10.2	9.0	13.5	10.9

(Values in parentheses indicate less than 75% available data for all 4 quarters)

[Date of Occurrence, Hour]

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **1**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

(Average of last 3 years' annual means not to exceed 12 µg/m³ *;
and average of 98th percentile for last 3 years not to exceed 35 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2014				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr Avg.	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
Eisenhower Park(T)	2950-10	347	24.1 [02/01]	21.1 [01/10]	21.1 [02/15]	19.2	23.9	23.1	22.0	11.2	5.4	5.9	7.1	7.4	8.7	9.1	8.4
Babylon (F)	5150-02	114	24.0 [02/01]	20.2 [03/12]	20.0 [02/19]	20.0	21.4	18.7	20.0	9.9	6.5	7.3	6.3	7.5	7.6	8.0	7.7
Holtsville (T)	5151-10	340	23.0 [02/01]	20.8 [02/15]	20.5 [01/10]	18.6	20.3	19.1	19.3	10.8	5.3	5.5	6.6	7.1	8.2	(6.8)	(7.3)

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

F = Federal Reference Method

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

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **1**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		8-hr Running Average Begin Hour							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Daily Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	Days >.075 PPM	1st	2nd	3rd	4th	2012	2013	2014	Avg.
Babylon	5150-02	8,630	99	0	.070 [06/28]	.069 [05/27]	.069 [06/17]	.066 [08/27]	.083 [07/01]	.072 [07/11]	.066 [08/27]	.073
Holtsville	5151-10	8,320	93	0	.072 [05/27]	.067 [06/17]	.062 [04/19]	.062 [08/05]	.079 [07/18]	.074 [06/24]	.062 [08/05]	.071
Riverhead (Operated 03/12- 11/14)	5155-01	6,148	95	1	.081 [05/27]	.069 [06/17]	.067 [07/22]	.064 [05/26]	.083 [06/21]	.078 [06/24]	.064 [05/26]	.075

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)

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **2**

Annual Averages 2004 through 2014
Annual Arithmetic Mean (ppb) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
PS 59	7093-10	(10.19)	11.18	9.65	9.75	(10.81)	xxx	xxx	xxx	xxx	xxx	xxx
Botanical Garden (Harding Lab/Pfizer Lab)	7094-06 / 7094-10	8.70	9.33	6.65	6.67	5.96	5.32	4.83	4.65	3.28	2.44	1.9
IS 52	7094-07	10.27	10.91	8.83	7.86	6.58	6.33	(6.22)	xxx	(2.10)	1.22	1.36
Queens College 2	7096-15	5.48	6.48	5.24	4.89	4.02	3.41	2.83	2.65	1.79	1.22	1.11

Sampling was suspended at 7094-07 on 06/24/10 due to building construction, and resumed on 08/10/13.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One Hour Averages average of 99 th percentile for last 3 years not to exceed 75 PPB *					
		Observations		99 th Percentile, PPB			
Station	Site No.	Total Obs.	% Avail	2014	2013	2012	3-yr Avg.
Botanical Garden (Pfizer Lab)	7094-10	8,614	98	15.2	21.8	29.7	22.2
IS 52	7094-07	8,423	96	13.1	16.7	22.5	17.4
Queens College 2	7096-15	8,547	98	12.2	11.8	19.0	14.3

(Values in parentheses indicate less than 75% available data for all 4 quarters)

[Date of Occurrence, Hour]

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

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

NYSDEC Region **2**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		24-Hour Concentrations - $\mu\text{g}/\text{m}^3$							# of Days > 150 $\mu\text{g}/\text{m}^3$ - Not to exceed an expected avg of one per year during the last 3 years *						
		Maximum		2nd Max.		3rd Max.			2012		2013		2014		
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp. Avg.
PS 19	7093-21	30	51	02/01	45	03/12	36	02/19	0	0.0	0	0.0	0	0.0	0.0
Division Street	7093-24	110	60	02/01	37	09/29	35	02/19	0	0.0	0	0.0	0	0.0	0.0
IS 52	7094-07	60	38	03/12	29	01/05	28	01/29	0	0.0	0	0.0	0	0.0	0.0
Queens College 2	7096-15	55	36	03/12	26	04/11	25	06/03	0	0.0	0	0.0	0	0.0	0.0

Sampling at 7093-21 was terminated on 03/31/2014

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

* Federal Ambient Air Quality Standard

Mea=Measured

Est=Estimated

+ Denotes a contravention of Federal AAQS

INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **2**
(Manhattan Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

(Average of last 3 years' annual means not to exceed 12 µg/m³ *;
and average of 98th percentile for last 3 years not to exceed 35 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2014				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr avg	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
JHS 45 (F)	7093-08	111	28.0 [02/19]	26.0 [02/05]	25.5 [02/01]	25.5	20.1	21.3	22.3	11.7	7.6	8.4	6.8	8.8	8.6	9.3	8.9
IS 143 (T)	7093-15	335	35.6 [01/10]	34.2 [02/19]	30.4 [01/15]	22.1	(27.3)	xxx	xxx	14.2	7.3	7.0	8.8	9.3	(9.0)	xxx	xxx
PS 19 (F)	7093-21	113	28.2 [02/19]	27.2 [02/01]	25.6 [01/05]	25.6	26.3	24.9	25.6	15.1	8.9	9.1	(9.3)	(10.6)	(11.3)	11.7	(11.2)
PS 19 (T)	7093-21	356	29.4 [01/10]	24.1 [02/02]	22.5 [02/19]	20.8	25.5	23.1	26	13.0	6.9	7.5	8.6	9.0	(10.6)	10.0	10.8
Division St (F)	7093-24	104	26.2 [02/19]	23.2 [03/12]	20.5 [12/16]	20.5	25.0	24.0	23.1	(12.6)	9.4	9.6	7.9	(9.8)	(9.5)	11.0	(10.1)
Division St (T)	7093-24	349	29.4 [01/10]	22.5 [02/19]	22.2 [04/07]	20.6	24.3	19.7	23	11.8	7.6	7.5	7.9	8.7	(9.1)	9.6	(9.1)
CCNY (T)	7093-25	339	31.5 [01/10]	25.8 [01/05]	24.7 [02/19]	18.8	23.1	17.3	22	11.2	6.3	6.2	6.8	7.6	8.1	8.8	8.1

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

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INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **2**
(Bronx & Brooklyn Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

(Average of last 3 years' annual means not to exceed 12 µg/m³ *;
and average of 98th percentile for last 3 years not to exceed 35 µg/m³ *)

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2014				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr avg	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
Morrisania (T)	7094-05	332	29.9 [01/05]	29.4 [02/02]	28.6 [01/10]	24.9	29.8	(26.1) ^F	--	15.6	7.2	6.8	8.5	9.5	11.9	xxx	--
IS 52 (F)	7094-07	121	28.3 [02/19]	25.6 [02/01]	23.2 [03/12]	23.2	25.5	(23.7)	--	11.6	7.6	8.3	7.1	8.7	9.0	xxx	--
IS 52 (T)	7094-07	292	21.1 [03/12]	19.0 [06/17]	18.5 [05/22]	16.2	25.6	(26.0)	(23.1)	(7.2)	7.2	7.3	6.5	7.0	xxx	xxx	--
IS 74 (T)	7094-08	324	26.7 [02/19]	22.3 [02/01]	21.8 [02/02]	19.6	21.0	25.1	21.9	11.1	6.3	(6.3)	7.6	7.8	(8.4)	10.3	(12.1)
PS 154 (T)	7094-09	xxx	xxx	xxx	xxx	xxx	xxx	23.7	--	xxx	xxx	xxx	xxx	xxx	xxx	9.0	--
Botanical Gdn - Pfizer (F)	7094-10	122	28.1 [02/19]	27.6 [02/01]	27.2 [01/05]	27.2	24.6	25.1	25.7	12.4	8.3	9.1	7.3	9.3	9.1	9.6	9.3
PS 314 (T)	7095-07	358	28.9 [01/10]	22.7 [04/07]	20.5 [02/19]	16.5	24.4	21.3	20.7	9.9	5.9	6.0	6.8	7.2	8.2	9.3	8.2
JHS 126 (F)	7095-43	111	26.0 [02/19]	25.2 [02/01]	20.0 [12/16]	20.0	23.7	22.1	21.9	12.0	8.1	8.1	6.5	8.8	9.3	9.7	9.2
IS 293 (T)	7095-44	xxx	xxx	xxx	xxx	xxx	xxx	21.5	--	xxx	xxx	xxx	xxx	xxx	xxx	9.2	--
PS 274 (T)	7095-98	339	23.2 [01/10]	19.1 [02/19]	18.9 [04/07]	16.2	20.4	21.3	19.3	9.4	5.8	6.5	6.8	7.1	(6.9)	8.9	(7.6)

Sampling was suspended at 7094-07 from 06/24/10 to 08/30/12 due to building construction

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

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INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **2**
(Queens, and Staten Island Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

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

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2014				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr avg	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
Maspeth Library (T)	7096-13	358	24.4 [04/07]	22.2 [01/10]	21.2 [02/19]	18.3	19.9	20.1	19.4	11.3	6.1	6.3	7.2	7.7	8.6	8.7	8.3
Queens College 2 (F)	7096-15	341	24.8 [02/01]	24.2 [02/19]	24.0 [02/02]	19.7	25.0	20.5	21.7	10.7	7.0	7.5	5.9	7.8	8.4	8.5	8.2
Queens College 2 (T)	7096-15	338	24.6 [02/01]	24.2 [02/02]	23.9 [02/19]	20.0	24.9	(20.8)	(22.7)	9.9	7.2	7.5	5.8	7.6	8.7	(10.6)	--
Port Richmond (F)	7097-03	103	26.9 [01/05]	26.8 [02/19]	17.9 [12/16]	17.9	18.3	22.1	19.4	(12.5)	7.5	7.9	6.6	8.6	7.7	9.4	8.5
Port Richmond (T)	7097-03	281	29.5 [01/10]	29.2 [04/07]	23.8 [06/16]	(20.7)	24.6	22.6	(22.8)	(10.9)	8.4	9.0	8.8	(9.3)	(9.6)	9.9	--
Freshkills West (T)	7097-17	313	35.3 [01/10]	22.4 [01/05]	18.5 [02/19]	(16.6)	20.9	(22.8)	(20.3)	10.0	6.6	7.7	7.2	(7.9)	(7.5)	--	--

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

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CARBON MONOXIDE - Continuous Gas Filter Correlation

NYSDEC Region 2

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One-Hour Average Maximum not to exceed 35 PPM more than once per calendar year *						Running 8-Hour Average (Non-Overlapping) Maximum not to exceed 9 PPM more than once per calendar year *				
		Observations			Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total Obs.	% Avail	>35 PPM	1st	2nd	3rd	Total	>9 PPM	1st	2nd	Days> 9PPM
CCNY	7093-25	8,341	95	0	2.6 [01/15, 08]	1.9 [01/10, 17]	1.8 [01/10, 18]	8,357	0	1.6 [01/10, 21]	1.3 [01/10, 17]	0
Botanical Gardens (Pfizer Lab)	7094-10	7900	90	0	2.4 [11/27, 09]	2.2 [02/04, 04]	2.0 [01/09, 08]	8,512	0	1.5 [09/28, 03]	1.3 [02/02, 05]	0
Queens College 2	7096-15	8,432	96	0	1.9 [11/10, 05]	1.9 [12/31, 00]	1.6 [01/10, 04]	8,309	0	1.1 [02/01, 08]	1.1 [11/10, 07]	0

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

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

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

OZONE - Continuous UV Light Absorption

NYSDEC Region **2**
(Bronx, Brooklyn, and Staten Island Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		8-hr Running Average Begin Hour							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg. of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Daily Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	Days >.075 PPM	1st	2nd	3rd	4th	2012	2013	2014	Avg.
Botanical Gardens - Pfizer Lab	7094-10	8,677	100	2	.080 [06/17, 11]	.077 [07/07, 11]	.072 [08/27, 11]	.070 [07/17, 08]	.076 [05/28]	.068 [07/17]	.070 [06/17]	.071
IS 52	7094-07	8,479	95	1	.079 [07/07, 11]	.074 [06/17, 10]	.073 [08/27, 10]	.071 [08/05, 09]	(.068) [08/17]	.071 [05/30]	.071 [08/05]	---
Susan Wagner (Operated 01/01 - 11/12)	7097-01	5,940	95	3	.10 [08/27, 11]	.083 [07/07, 11]	.078 [06/17, 10]	.072 [06/02, 12]	.078 [06/28]	.071 [08/21]	.072 [06/02]	.073

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

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

OZONE - Continuous UV Light Absorption

NYSDEC Region **2**

(Manhattan and Queens Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		8-hr Running Average Begin Hour							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg. of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Daily Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	Days >.075 PPM	1st	2nd	3rd	4th	2012	2013	2014	Avg.
CCNY	7093-25	8,095	98	1	.079 [06/17, 10]	.074 [07/07, 11]	.072 [08/27, 11]	.065 [07/08, 10]	.074 [07/06]	.062 [05/30]	.065 [07/08]	.067
Queens College 2	7096-15	8,332	95	1	.077 [07/07, 11]	.065 [06/17, 10]	.064 [07/21, 11]	.063 [07/08, 09]	.082 [08/31]	.071 [07/18]	.063 [07/08]	.072

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

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region 2

Annual Averages 2004 through 2014
Annual Arithmetic Mean (PPB) - Primary Standard
(12 month average not to exceed 53 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Botanical Garden (Harding Lab/Pfizer Lab)	7094-06/ 7094-10	24.37	26.59	24.82	24.55	22.91	21.85	20.10	20.86	18.6	18.37	17.2
IS 52	7094-07	29.67	28.79	26.46	25.65	25.18	24.57	(24.94)	xxx	(20.8)	20.67	19.88
Queens College 2	7096-15	24.74	24.52	23.46	22.94	22.51	20.91	19.28	(21.62)	17.5	17.5	16.75

Sampling was terminated at 7096-09 on 01/05/06 and at 7093-10 on 06/30/08. Sampling was suspended at 7094-07 on 06/24/10 due to building construction, and resumed on 08/10/13.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One-Hour Averages - average of 98 th percentile for last 3 years not to exceed 100 PPB *								
		Observations		98 th Percentile, PPB				Highest Values, PPB		
Station	Site No.	Total	% Avail	2012	2013	2014	3-yr avg.	1st	2nd	3rd
Botanical Gardens - Pfizer Lab	7094-10	8,625	98	59.2	59.1	56.2	58.16	60.7 [03/11, 23]	60.4 [02/19, 18]	60.4 [09/27, 21]
IS 52	7094-07	8,434	97	(20.8)	60.4	64.9	--	74.5 [03/12, 00]	72.2 [03/11, 23]	70.5 [01/15, 07]
Queens College 2	7096-15	8,493	97	56.6	58.6	58.5	57.9	70.8 [03/11, 21]	67.4 [03/11, 22]	63.4 [03/11, 19]

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

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

LEAD -PM₁₀ Samplers

NYSDEC Region **2**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		24-Hour Concentrations - µg/m ³								THREE MONTH ROLLING AVERAGES Maximum not to exceed 0.15 µg/m ³ , effective beginning 1/1/13 * (the old standard of 1.5 µg/m ³ will remain in force until that date)		
				Maximum		2nd Max.		3rd Max.		Highest Values, µg/m ³		
Station	Site No.	Total Obs.	% Avail	Value	Date	Value	Date	Value	Date	2012	2013	2014
Morrisania	7094-05	xx	xx	xx	xx	xx	xx	xx	xx	--	xx	xx
IS 52	7094-07	56	92	.0074	01/17	.0063	03/12	.0063	07/22	--	0.005	0.004

Sampling at 7094-05 was terminated on 06/30/12 and monitor moved back to 7094-07.

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

*Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **3**

Annual Averages 2004 through 2014
Annual Arithmetic Mean (ppb) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Mt. Ninham	3951-01	2.22	2.18	1.67	1.53	1.33	1.14	0.80	0.86	0.73	0.72	0.63
Belleayre Mtn.	5565-03	1.27	1.38	1.25	1.19	0.90	0.71	0.50	0.52	0.31	xxx	xxx

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One Hour Averages Average of 99 th percentile for last 3 years not to exceed 75 PPB *					
		Observations		99th Percentile, PPB			
Station	Site No.	Total Obs.	% Avail	2014	2013	2012	3-yr Avg.
Mt. Ninham	3951-01	8,614	96	5.9	6.0	7.1	6.3
Belleayre Mtn.	5565-03	xx	xx	xx	xx	3.9	xx

(Values in parentheses indicate less than 75% available data for all 4 quarters)

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **3**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

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

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2013				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr Avg.	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
Newburgh (F)	3502-04	120	22.9 [02/05]	22.1 [02/19]	19.3 [02/01]	19.3	19.6	20.2	19.7	9.3	5.9	7.8	5.8	7.2	7.1	7.8	7.3
Newburgh (T)	3502-04	352	18.9 [02/19]	18.1 [01/10]	16.5 [02/14]	15.1	19.1	19.3	18.0	9.3	4.9	5.6	6.2	6.5	7.0	7.5	6.9
Rockland Co. (T)	4352-02	349	19.5 [01/10]	17.7 [02/15]	17.4 [02/01]	16.4	19.4	18.7	18.1	9.5	5.3	5.8	6.1	6.6	7.8	7.4	7.3
White Plains (T)	5902-04	360	18.6 [02/01]	18.3 [02/15]	18.2 [02/02]	16.2	20.3	18.8	18.5	10.1	5.5	6.4	7.6	7.4	(8.0)	7.2	--

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

F = Federal Reference Method

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

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **3**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		8-hr Running Average Begin Hour							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg. of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Daily Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	Days >.075 PPM	1st	2nd	3rd	4th	2012	2013	2014	Avg.
Valley Central	3527-01	8,606	99	0	.069 [08/20, 12]	.063 [04/13, 11]	.062 [07/07, 09]	.060 [07/12, 11]	.065 [08/04]	.057 [09/11]	.060 [07/12]	.060
Rockland County	4353-02	8,737	99	0	.070 [05/27, 10]	.069 [06/03, 09]	.069 [07/03, 11]	.068 [08/27, 11]	.079 [08/09]	.069 [06/27]	.068 [08/27]	.072
White Plains	5902-04	8,717	99	3	.087 [06/17, 09]	.078 [08/27, 10]	.076 [07/07, 11]	.074 [05/27, 10]	.079 [08/31]	.072 [05/31]	.074 [05/27]	.075
Millbrook	1328-01	8,538	97	0	.071 [06/17, 14]	.069 [07/01, 12]	.068 [07/12, 11]	.068 [08/20, 12]	.075 [08/09]	.065 [07/27]	.068 [08/20]	.069
Mt. Ninham	3951-01	8,664	99	0	.069 [06/17, 12]	.067 [07/12, 10]	.066 [07/23, 10]	.066 [08/20, 11]	.069 [08/25]	.067 [07/27]	.066 [08/20]	.067
Belleayre Mtn.	5565-03	xx	xx	xx	xx	xx	xx	xx	.067 [07/13]	xx	xx	--

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

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

LEAD - High Volume Air Samplers (Glass Fiber Filters)

NYSDEC Region **3**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		24-Hour Concentrations - $\mu\text{g}/\text{m}^3$								THREE MONTH ROLLING AVERAGES Maximum not to exceed $0.15 \mu\text{g}/\text{m}^3$, effective beginning 1/1/13 * (the old standard of $1.5 \mu\text{g}/\text{m}^3$ will remain in force until that date)		
				Maximum		2nd Max.		3rd Max.		Highest Values, $\mu\text{g}/\text{m}^3$		
Station	Site No.	Total Obs.	% Avail	Value	Date	Value	Date	Value	Date	2012	2013	2014
Wallkill	3566-02	54	88	.115	04/29	.052	03/18	.040	03/06	0.02	0.03	0.02
Wallkill	3566-09	60	100	.093	04/23	.072	12/19	.048	03/24	0.06	0.11	0.02
Scotchtown	3566-11	60	100	.010	01/05	.007	02/16	.006	01/27	0.01	0.01	0.003

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

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **4**

Annual Averages 2004 through 2014
Annual Arithmetic Mean (ppb) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Loudonville	0101-33	4.36	5.15	5.07	2.97	3.61	3.85	2.33	1.92	0.97	2.03	1.6
Schenectady	4601-05	3.82	5.16	5.35	2.33	3.42	2.63	1.92	(2.18)	xxx	xxx	xxx
Grafton State Park	4153-04	1.57	1.85	1.37	1.58	1.77	1.52	1.12	1.13	(0.76)	xxx	xxx

Sampling at 4601-05 and 4153-04 was terminated on 06/30/11 and 12/31/12, respectively.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One Hour Averages average of 99 th percentile for last 3 years not to exceed 75 PPB *					
		Observations		99 th Percentile, PPB			
Station	Site No.	Total Obs.	% Avail	2014	2013	2012	3-yr Avg.
Loudonville	0101-33	8598	98	7.7	8.5	8.8	8.3
Grafton State Park	4153-04	xx	xx	xx	xx	4.7	xx

(Values in parentheses indicate less than 75% available data for all 4 quarters)

[Date of Occurrence, Hour]

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **4**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

(Average of last 3 years' annual means not to exceed 15 µg/m³ *

and average of 98th percentile for last 3 years not to exceed 35 µg/m³ *, *changed* from 65 m³/m³ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2014				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr Avg.	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
Albany Co. HD (F)	0101-13	118	20.2 [02/19]	19.5 [01/05]	19.4 [02/01]	19.4	19.5	17.7	18.9	9.1	5.9	8.4	5.7	7.3	7.1	7.7	7.3
Albany Co. HD (T)	0101-13	352	21.7 [02/15]	19.5 [01/31]	18.4 [02/01]	15.6	19.3	17.3	17.4	(7.6)	5.5	6.3	7.7	6.8	6.8	6.8	6.8
Loudonville (F)	0101-33	108	19.3 [02/19]	16.4 [02/01]	15.8 [01/05]	15.8	16.7	17.8	17.3	8.0	5.3	7.6	(4.9)	(6.5)	(6.4)	7.0	(6.6)

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

F = Federal Reference Method

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

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Gas Filter Correlation

NYSDEC Region **4**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One-Hour Average Maximum not to exceed 35 PPM more than once per calendar year *						Running 8-Hour Average (Non-Overlapping) Maximum not to exceed 9 PPM more than once per calendar year *				
		Observations			Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total Obs.	% Avail	>35 PPM	1st	2nd	3rd	Total	>9 PPM	1st	2nd	Days> 9PPM
Loudonville	0101-33	8,618	98	0	1.5 [02/29, 12]	1.3 [03/18, 11]	1.2 [01/29, 08]	8,623	0	.8 [01/29, 09]	.7 [01/29, 05]	0

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

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

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

OZONE - Continuous UV Light Absorption

NYSDEC Region **4**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		8-hr Running Average Begin Hour							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg. of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Daily Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	Days >.075 PPM	1st	2nd	3rd	4th	2012	2013	2014	Avg.
Loudonville	0101-33	8,270	90	0	.066 [04/13, 12]	.061 [04/21, 11]	.061 [05/12, 11]	.061 [05/26, 15]	.073 [04/16]	.064 [05/01]	.061 [05/26,]	.066
Grafton Lake	4153-04	xx	xx	xx	xx	xx	xx	xx	.069 [04/16]	xx	xx	xx

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

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **5**

Annual Averages 2004 through 2014
Annual Arithmetic Mean (ppb) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Whiteface Mtn. - Lodge	1567-04	0.83	1.05	0.98	0.91	0.82	0.64	0.72	0.73	0.61	0.36	0.38
Paul Smiths College	1655-01	0.92	1.21	0.89	0.96	0.75	0.60	0.57	0.67	0.50	(0.52)	0.60
Piseco Lake	2050-01	0.83	0.66	0.62	0.65	0.56	0.44	0.34	0.32	0.14	0.17	0.21

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One Hour Averages average of 99 th percentile for last 3 years not to exceed 75 PPB *					
		Observations		99 th Percentile, PPB			
Station	Site No.	Total Obs.	% Avail	2014	2013	2012	3-yr Avg.
Whiteface Mtn. - Lodge	1567-04	8,375	96	3.9	2.6	3.2	3.2
Paul Smiths College	1655-01	8,607	98	3.7	2.8	3.8	3.4
Piseco Lake	2050-01	8,598	98	4.7	2.6	2.8	3.3

(Values in parentheses indicate less than 75% available data for all 4 quarters)

[Date of Occurrence, Hour]

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **5**
(Manhattan Sites)

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

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

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2013				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr Avg.	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
Whiteface Base (F)	1567-04	57	10.8 [07/22]	10.5 [09/20]	8.3 [06/28]	10.5	11.7	15.3	12.5	3.3	3.1	4.8	2.6	3.4	4.4	4.4	4.0
Whiteface Base (T)	1567-04	132	14.6 [02/12]	9.8 [05/27]	9.7 [02/19]	9.7	16.3	13.4	13.1	(4.8)	(4.2)	--	--	4.5	(4.8)	4.6	(4.6)

Sampling at 1567-04 (T) was terminated on 0/--/1/2014

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

F = Federal Reference Method

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

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **5**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		8-hr Running Average Begin Hour							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg. of 0.075 ppm during the last 3 years, <i>changed from 0.08 ppm on 5/27/08*</i>			
		Observations			Daily Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	Days >.075 PPM	1st	2nd	3rd	4th	2012	2013	2014	Avg.
Stillwater	4567-01	8,675	98	0	.062 [04/03, 12]	.062 [05/26, 15]	.061 [05/12, 15]	.061 [05/27, 10]	.068 [07/12]	.062 [05/31]	.061 [05/27]	.063
Whiteface Mtn. Summit	1567-03	8,193	89	0	.070 [05/26, 18]	.067 [05/27, 00]	.065 [04/21, 18]	.062 [05/12, 19]	.082 [07/13]	.065 [07/06]	(.062) [05/12]	(.069)
Whiteface Mtn. Base	1567-04	8,355	96	0	.071 [05/26, 18]	.067 [04/21, 14]	.067 [04/22, 04]	.065 [05/27, 00]	.071 [05/12]	.063 [06/24]	.065 [05/27]	.066
Piseco Lake	2050-01	8,648	98	0	.065 [05/12, 11]	.064 [04/21, 11]	.059 [06/09, 11]	.058 [04/10, 13]	.070 [07/17]	.064 [05/02]	.058 [04/10]	.063

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

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **6**

Annual Averages 2004 through 2014
Annual Arithmetic Mean (ppb) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Nick's Lake	2167-03	0.89	0.90	0.89	0.90	0.63	0.52	0.54	0.48	0.65	0.60	0.67

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One Hour Averages average of 99 th percentile for last 3 years not to exceed 75 PPB *					
		Observations		99th Percentile, PPB			
Station	Site No.	Total Obs.	% Avail	2014	2013	2012	3-yr avg
Nick's Lake	2167-03	8,587	98	4.6	2.9	3.2	3.5

(Values in parentheses indicate less than 75% available data for all 4 quarters)

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **6**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

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

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2013				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr Avg.	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
Utica (T)	3202-01	330	25.5 [02/19]	22.6 [03/10]	22.3 [02/15]	19.0	18.5	17.4	18.3	10.0	4.5	6.0	6.4	6.7	7.0	7.2	6.9

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

F = Federal Reference Method

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

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **6**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		8-hr Running Average Begin Hour							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg. of 0.075 ppm during the last 3 years, <i>changed from 0.08 ppm on 5/27/08*</i>			
		Observations			Daily Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	Days >.075 PPM	1st	2nd	3rd	4th	2012	2013	2014	Avg.
Nick's Lake	2167-03	8645	98	0	.070 [05/26, 12]	.065 [05/12, 10]	.064 [04/21, 10]	.057 [04/10, 11]	.065 [07/14]	.061 [04/28]	.057 [04/10]	.061
Perch River	2223-01	8710	97	1	.076 [05/26, 14]	.065 [05/27, 11]	.064 [04/21, 13]	.059 [07/22, 11]	.077 [06/21]	.066 [05/02]	.059 [07/22]	.067
Camden	3255-01	xx	xx	xx	xx	xx	xx	xx	.069 [07/13]	xx	.060 [07/21]	--

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

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region 7

Annual Averages 2004 through 2014
Annual Arithmetic Mean (ppb) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Camp Georgetown	2655-01	2.30	2.39	2.06	1.85	1.79	1.17	1.09	0.52	xxx	xxx	xxx
East Syracuse	3353-09	2.62	2.35	2.23	2.11	2.06	1.23	0.92	0.88	0.88	0.61	0.70

Sampling at 2655-01 was suspended on 04/02 when the correctional facility was shuttered leaving the site without power.

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One Hour Averages average of 99 th percentile for last 3 years not to exceed 75 PPB *					
		Observations		99th Percentile, PPB			
Station	Site No.	Total Obs.	% Avail	2014	2013	2012	3-yr Avg.
Camp Georgetown	2655-01	xxx	xx	xx	xx	xx	--
East Syracuse	3353-09	8,411	96	5.1	5.1	7.1	5.7

(Values in parentheses indicate less than 75% available data for all 4 quarters)

[Date of Occurrence, Hour]

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **7**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

(Average of last 3 years' annual means not to exceed 15 µg/m³*;

and average of 98th percentile for last 3 years not to exceed 35 µg/m³*, *changed* from 65 µg/m³ on 12/17/06)

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2014				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr Avg.	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
East Syracuse (F)	3353-09	117	17.2 [02/10]	16.2 [02/19]	16.0 [07/13]	16.0	16.2	16.0	16.0	8.2	6.1	7.2	4.9	6.6	6.4	7.3	6.7

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

F = Federal Reference Method

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

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

OZONE - Continuous UV Light Absorption

NYSDEC Region **7**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		8-hr Running Average Begin Hour							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg. of 0.075 ppm during the last 3 years, <i>changed from 0.08 ppm on 5/27/08*</i>			
		Observations			Daily Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	Days >.075 PPM	1st	2nd	3rd	4th	2012	2013	2014	Avg.
Camp Georgetown	2655-01	xxx	xx	--	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
East Syracuse	3353-09	8,577	97	0	.068 [04/21, 11]	.067 [05/26, 12]	.065 [07/12, 10]	.063 [05/12, 09]	.074 [06/21]	.065 [05/01]	.063 [05/12]	.067
Fulton/Granby	3754-01	8,704	97	0	.069 [05/26, 12]	.064 [04/21, 12]	.059 [05/12, 11]	.058 [06/02, 11]	.073 [07/04]	.063 [07/21]	.058 [06/02]	.064

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

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **8**

Annual Averages 2004 through 2014
Annual Arithmetic Mean (ppb) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Elmira	0701-05	3.31	3.18	3.12	3.29	2.80	2.01	2.08	1.65	1.48	xx	xx
Rochester	2701-22	(4.50)	4.20	4.18	4.06	2.91	2.54	2.19	(1.15)	0.99	0.91	0.96
Pinnacle	5001-04	--	--	--	1.73	1.67	1.04	0.63	0.71	0.39	0.39	0.45

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One Hour Averages average of 99 th percentile for last 3 years not to exceed 75 PPB *					
		Observations		99th Percentile, PPB			
Station	Site No.	Total Obs.	% Avail	2014	2013	2012	3-yr Avg.
Elmira	0701-05	xx	xx	xx	xx	6.7	xx
Rochester	2701-22	8,587	98	20.5	17.3	21.2	19.6
Pinnacle	5001-04	8,560	98	10.1	8.4	8.1	8.6

(Values in parentheses indicate less than 75% available data for all 4 quarters)

[Date of Occurrence, Hour]

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

+ Denotes a contravention of NYS/Federal AAQS

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

NYSDEC Region **8**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		24-Hour Concentrations - µg/m ³							# of Days > 150 µg/m ³ - Not to exceed an expected avg. of one per year during the last 3 years *						
		Maximum		2nd Max.		3rd Max.			2012		2013		2014		
Station	Site No.	Total Obs.	Value	Date	Value	Date	Value	Date	Mea	Est	Mea	Est	Mea	Est	Exp. Avg.
Rochester (R&P)	2701-22	1424	44.4	11/10	35.9	08/08	34.6	09/30	0	0.0	0	0.0	0	0.0	0.0

(Values in parentheses indicate less than 75% available data for all 4 quarters)

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

[Date of Occurrence, Hour]

+ Denotes a contravention of NYS/Federal AAQS

INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **8**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

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

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2014				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr Avg.	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
Rochester 2 (F)	2701-22	116	28.0 [04/14]	20.4 [02/01]	16.8 [02/10]	16.8	18.0	20.5	18.4	8.4	7.0	8.0	5.7	7.3	7.2	8.6	7.7
Rochester 2 (T)	2701-22	161	15.7 [02/14]	14.4 [01/10]	13.9 [03/08]	13.9	19.4	16.6	16.6	8.2	5.8	--	--	(7.0)	7.8	6.8	--
Rochester Near Road (T)	2701-23	14	15.7 [02/14]	xx	xx	(10.3)	xx	xx	xx	--	--	--	(6.4)	(6.4)	--	--	--
Pinnacle (F)	5001-04	112	18.1 [02/01]	17.3 [07/13]	14.6 [09/05]	14.6	14.8	18.9	16.1	5.7	5.7	7.5	5.3	7.5	(5.7)	6.8	(6.6)

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

F = Federal Reference Method

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

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Gas Filter Correlation

NYSDEC Region **8**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One-Hour Average Maximum not to exceed 35 PPM more than once per calendar year *						Running 8-Hour Average (Non-Overlapping) Maximum not to exceed 9 PPM more than once per calendar year *				
		Observations			Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total Obs.	% Avail	>35 PPM	1st	2nd	3rd	Total	>9 PPM	1st	2nd	Days > 9PPM
Rochester 2	2701-22	8,603	97	0	1.3 [03/06, 07]	1.0 [03/06, 08]	.85 [03/07, 10]	8,525	0	.07 [01/18, 01]	.07 [03/06, 07]	0
Rochester Near-Road	2701-23	373	4	0	.77 [12/27, 00]	.71 [12/26, 22]	.61 [12/26, 09]	331	0	.06 [08/07, 03]	.05 [08/04, 21]	0
Pinnacle	5001-04	8,272	97	0	0.3 [09/18, 18]	0.2 [03/08, 18]	0.2 [03/08, 19]	8,521	0	0.3 [02/14, 17]	0.2 [01/01, 12]	0

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

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

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

OZONE - Continuous UV Light Absorption

NYSDEC Region **8**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		8-hr Running Average Begin Hour							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg. of 0.075 ppm during the last 3 years, <i>changed</i> from 0.08 ppm on 5/27/08*			
		Observations			Daily Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	Days >.075 PPM	1st	2nd	3rd	4th	2012	2013	2014	Avg.
Elmira	0701-05	xx	xx	xx	xx	xx	xx	xx	.071 [06/28]	xx	xx	xx
Rochester 2	2701-22	8,612	97	0	.069 [05/26, 12]	.062 [04/21, 11]	.060 [07/22, 12]	.058 [07/12, 12]	.075 [07/13]	.064 [06/23]	.058 [07/12]	.065
Pinnacle	5001-04	8,158	92	0	.063 [04/21, 11]	.059 [04/13, 10]	.059 [07/12, 10]	.058 [05/09, 11]	.066 [08/31]	.061 [06/22]	.058 [05/09]	.061
Williamson (Operated 03/21 - 12/31)	5863-01	8,324	91	1	.076 [05/26, 12]	.065 [06/02, 11]	.064 [05/12, 10]	.064 [05/27, 08]	.072 [06/10]	.066 [05/30]	.064 [05/27]	.067

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

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

LEAD -PM₁₀ Samplers

NYSDEC Region **8**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		24-Hour Concentrations - µg/m ³								THREE MONTH ROLLING AVERAGES Maximum not to exceed 0.15 µg/m ³ , effective beginning 1/1/13 * (the old standard of 1.5 µg/m ³ will remain in force until that date)		
				Maximum		2nd Max.		3rd Max.		Highest Values, µg/m ³		
Station	Site No.	Total Obs.	% Avail	Value	Date	Value	Date	Value	Date	2012	2013	2014
Rochester (PM ₁₀)	2701-22	56	97	.007	01/17	.006	03/12	.006	07/22	.003	.003	.002

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

*Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **9**
(Erie County)

Annual Averages 2004 through 2014
Annual Arithmetic Mean (ppb) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Buffalo	1401-18	3.35	3.73	2.78	2.70	2.34	1.74	1.50	2.01	2.72	(2.4)	1.49
Tonawanda	1472-04	7.87	5.83	3.93	4.29	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Brookside Terrace	1472-14	--	--	--	(2.80)	2.83	2.10	1.83	3.43	2.11	2.82	(1.52)
Niagara Falls	3102-25	2.73	2.63	2.48	2.79	2.13	1.58	1.53	2.74	3.47	xxx	xxx

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One Hour Averages average of 99 th percentile for last 3 years not to exceed 75 PPB *					
		Observations		99 th Percentile, PPB			
Station	Site No.	Total Obs.	% Avail	2014	2013	2012	3-yr Avg.
Buffalo	1401-18	8,443	96	8.3	8.5	13.6	10.1
Brookside Terrace	1472-14	7,815	89	25.5	19.5	26.2	23.7
Niagara Falls	3102-25	xx	xx	xx	xx	12.0	xx

(Values in parentheses indicate less than 75% available data for all 4 quarters)

[Date of Occurrence, Hour]

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

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SULFUR DIOXIDE - Continuous Pulsed Fluorescence

NYSDEC Region **9**
(Chautauqua County)

Annual Averages 2004 through 2014
Annual Arithmetic Mean (ppb) - Primary Standard
(12 month average not to exceed 30 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Westfield	0675-01	3.49	3.49	2.70	2.74	2.51	1.73	1.32	1.22	0.98	xx	xx
Dunkirk	0601-04	5.31	4.32	3.13	3.27	2.67	2.55	1.54	1.72	1.30	1.03	1.5

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One Hour Averages average of 99 th percentile for last 3 years not to exceed 75 PPB *					
		Observations		99th Percentile, PPB			
Station	Site No.	Total Obs.	% Avail	2014	2013	2012	3-yr Avg.
Westfield	0675-01	xx	xx	xx	xx	15.9	xx
Dunkirk	0601-04	8,506	97	13.7	15.4	26.2	18.4

(Values in parentheses indicate less than 75% available data for all 4 quarters)

[Date of Occurrence, Hour]

*The rule for revised federal standards was signed in June 2010, providing a primary 1-hr standard of 75 ppb, and a secondary 3-hr standard of 0.5 ppm. However, the 1971 standards remain in effect until one year after an area is designated for the 2010 standard.

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INHALABLE PARTICULATES (PM_{2.5}) - Rupprecht & Patashnick Sampler

NYSDEC Region **9**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

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

Station	Site No.	Total Obs.	Maximum Values, µg/m ³			98th Percentile, µg/m ³				Quarterly Averages, 2014				Annual Mean, µg/m ³			
			1 st	2 nd	3 rd	2014	2013	2012	3-yr Avg.	1 st	2 nd	3 rd	4 th	2014	2013	2012	3-yr Avg.
Buffalo (F)	1401-18	100	20.7 [02/10]	19.4 [02/04]	19.0 [02/01]	19.4	20.4	19.5	19.7	(10.4)	(9.6)	8.4	6.4	(8.0)	8.0	9.4	8.4
Buffalo (T)	1401-18	345	19.2 [03/08]	19.2 [08/04]	18.5 [08/05]	17.6	21.2	20.8	19.8	9.7	7.6	8.8	8.2	9.3	9.3	9.5	9.3
Grand Island Blvd (T)	1472-13	355	21.2 [09/30]	19.7 [02/14]	19.5 [02/14]	18.2	(20.6)	22.1	(20.3)	10.0	8.1	9.9	9.1	9.3	(10.0)	10.2	(9.8)
Brookside Terrace (T)	1472-14	355	21.5 [08/04]	17.5 [09/30]	17.5 [02/14]	15.9	19.4	20.3	18.5	8.7	6.7	7.6	7.5	(7.6)	(8.1)	8.8	(8.1)
Niagara Falls (F)	3102-25	xx	xx	xx	xx	xx	(19.1)	20.2	--	xx	xx	xx	xx	xx	xx	8.3	--
Niagara Falls (T)	3102-25	xx	xx	xx	xx	xx	xx	21.1	--	xx	xx	xx	xx	xx	xx	9.8	--
Westfield (F)	0675-01	xx	xx	xx	xx	xx	xx	19.5	--	xx	xx	xx	xx	xx	xx	7.6	--
Buffalo Near Road (F)	1455-02	138	18.5 [10/01]	18.4 [09/05]	18.1 [09/30]	18.1	xx	xx	--	--	--	(8.1)	8.4	(8.3)	xx	xx	--
Dunkirk (F)	0601-04	106	25.6 [05/20]	17.8 [02/10]	16.7 [02/10]	16.7	17.5	xx	--	9.1	8.7	7.7	6.0	7.9	(7.3)	xx	--

TEOM sampling at 3102-25 was terminated on 12/31/12, and FRM on 4/01/13. Sampling resumed on 4/4/13 at 0601-04.

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

F = Federal Reference Method

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

* Federal Ambient Air Quality Standard

+ Denotes a contravention of Federal AAQS

CARBON MONOXIDE - Continuous Gas Filter Correlation

NYSDEC Region **9**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One-Hour Average Maximum not to exceed 35 PPM more than once per calendar year *						Running 8-Hour Average (Non-Overlapping) Maximum not to exceed 9 PPM more than once per calendar year *				
		Observations			Highest Values, PPM			Observations		Highest Values, PPM		
Station	Site No.	Total Obs.	% Avail	>35 PPM	1st	2nd	3rd	Total	>9 PPM	1st	2nd	Days> 9PPM
Buffalo	1401-18	8,165	93	0	9.2 [09/22, 08]	3.6 [09/22, 09]	3.0 [07/08, 17]	7,190	0	1.3 [02/04, 11]	1.3 [06/24, 19]	0
Buffalo Near-Road	1455-02	3804	43	0	.85 [07/05, 12]	.84 [07/04, 10]	.82 [07/04, 11]	3239	0	.6 [08/07, 03]	.5 [08/04, 21]	0

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

*New York and Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

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

OZONE - Continuous UV Light Absorption

NYSDEC Region **9**

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		8-hr Running Average Begin Hour							4th Highest Daily Maximum 8-Hour Average- Not to exceed an avg. of 0.075 ppm during the last 3 years, <i>changed from 0.08 ppm on 5/27/08*</i>			
		Observations			Highest Values, PPM							
Station	Site No.	Total Obs.	% Avail	>.12 PPM	1st	2nd	3rd	4th	2012	2013	2014	Avg.
Westfield	0675-01	xxx	xxx	0	xxx	xxx	xxx	xxx	.081 [07/12]	xxx	xxx	xxx
Dunkirk	0604-01	8,404	97	0	.074 [05/26, 11]	.071 [06/16, 09]	.070 [04/21, 11]	.066 [06/21, 12]	.081 [08/03]	.066 [05/15]	.066 [06/21]	.072
Amherst	1451-03	4,969	98	0	.071 [05/26, 14]	.070 [04/21, 12]	.066 [06/16 11]	.063 [06/28, 11]	.079 [08/24]	.079 [06/21]	.063 [06/28]	.071
Middleport (Operated 03/23 - 10/12)	3120-02	4,645	81	0	.067 [04/21, 11]	.067 [05/26, 11]	.062 [07/12, 12]	.061 [05/20, 09]	.082 [08/31]	.065 [05/01]	.061 [05/20]	.069

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

*Federal Ambient Air Quality Standard

[Date of Occurrence, Hour]

+ Denotes a contravention of Federal AAQS

NITROGEN DIOXIDE - Continuous Chemiluminescence

NYSDEC Region **9**

Annual Averages 2004 through 2014

Annual Arithmetic Mean (PPB) - Primary Standard (12 month average not to exceed 53 PPB *)

Station	Site No.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Buffalo	1401-18	18.16	18.92	15.53	16.41	15.05	13.88	13.00	(12.52)	10.46	(10.38)	(8.7)
Amherst	1451-03	11.99	12.66	10.51	10.23	(9.71)	(7.42)	8.19	8.32	6.44	xx	xx

Comparison Between NYS Ambient Air Quality and Ambient Air Quality Standards for Calendar Year 2014

		One-Hour Averages - average of 98 th percentile for last 3 years not to exceed 100 PPB *								
		Observations		98 th Percentile, PPB				Highest Values, PPB		
Station	Site No.	Total	% Avail	2012	2013	2014	3-yr avg.	1st	2nd	3rd
Buffalo	1401-18	7,080	81	45.6	(46.6)	(54.6)	(48.8)	70.7 [03/07, 21]	68.8 [03/07, 07]	67.6 [03/07, 22]
Amherst	1451-03	xx	xx	31.9	xx	xx	--	xx	xx	xx

Sampling at 1451-03 was suspended 12/31/12.

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

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