

Rochester 36-055-1007



**Rochester
RG&E Substation
Yarmouth Road
Rochester, NY 14610**

Rochester

Address: RG&E Substation
 30 Yarmouth Road
 Rochester, NY 14610

AQS Number: 36-055-1007
 DEC Number: 2701-22
 County: Monroe
 Statistical Area: Rochester
 Coordinates: Lat: 43.14618 Lon: -77.54817

This site was established in 2004 to consolidate monitoring operations in the Rochester area. This is the major site in upstate New York and has been selected as a PM_{2.5} Speciation Trends site, a NATTs site and an NCORE site. The Ozone and continuous PM_{2.5} readings from this site are reported to AirNow. The site is also used by researchers from several universities for short term monitoring studies. Current research monitoring includes Mercury speciation and ultra-fine particle counting. Data from this site is often integrated in the work from the PM Health Center which is located at the University of Rochester Medical Center. The Rochester PM Center is one of 5 in the country.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous
Sulfur Dioxide	TEI 43C Method 060	Pulsed Fluorescence	Continuous
PM _{2.5}	Low volume FRM R&P 2025 Method 118	Gravimetric	1 in 6
PM _{2.5}	R&P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous
PM ₁₀	R&P Partisol 2025 Method 127	Gravimetric	1 in 6
PM ₁₀ - Metals	Method 907	ICPMS	1 in 6
PM _{2.5} Speciation	Met One Super SASS Method 851	RTI Laboratory	1 in 3

Parameter	Sampling Method	Analysis Method	Schedule
Black Carbon	Magee Scientific Aethalometer Method 866	Optical Absorption	Continuous
Mercury Elemental/Reactive Gas	Tekran Mercury Vapor Analyzer	Cold Vapor Atomic Fluorescence Spectrometry	Continuous
Toxics	Canister Method 150	GC/MS	1 in 6
Carbonyl	DNPH Cartridge Method 202	HPLC - Ultraviolet Absorption	1 in 6
Chromium	Eastern Research Group (ERG)	EPA/ERG	1 in 6
Wind Speed/direction	Climatronics Sonic Method 020		Continuous
Precipitation	Belfort Rain Gauge		Continuous
Relative Humidity	Teledyne RH200 Method 011		Continuous
Temperature	Teledyne RH200 Method 040		Continuous
Barometric Pressure	Teledyne BP300 Method 011		Continuous
Acid Deposition	Hyteometer	DEC Lab	Weekly

Schenectady 36-093-0003



**Schenectady
Mt Pleasant Middle School
1121 Forest Road
Schenectady, NY 12303**

Schenectady

Address: Mont Pleasant Middle School
 1121 Forest Road
 Schenectady, NY 12303

AQS Number: 36-093-0003
 DEC Number: 4601-05
 County: Schenectady
 Statistical Area: Albany-Schenectady-Troy
 Coordinates: Lat: 42.79901 Lon: -73.93890

This site was established in 1972 for criteria gasses as a neighborhood population exposure site. It is located at the Mont Pleasant Middle School in Schenectady. The site was expanded to include TSP in 1979 and was an original part of the criteria PM2.5 FRM network. It is located near interstate 890 in Schenectady in a residential area. Ozone readings are reported to AirNow and it is the only ozone monitor between Albany and Syracuse along the busy I 90 corridor.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous
Sulfur Dioxide	TEI 43C Method 060	Pulsed Fluorescence	Continuous
Carbon Monoxide	TEI 48C Method 054	Non Dispersive Infrared	Continuous
Wind Speed/direction	Climatronics Sonic Method 020		Continuous
Relative Humidity/Temperature	Met One Method 011		Continuous
Barometric Pressure	Teledyne BP300 Method 011		Continuous

Stillwater

36-091-0004



**Saratoga National Historical Park
Stillwater, NY 12170**

Stillwater

Address: Saratoga National Historical Park
Stillwater, NY 12170

AQS Number: 36-091-0004

DEC Number: 4567-01

County: Saratoga

MSA: Albany-Schenectady-Troy, NY

Coordinates: Lat: 43.01209 Lon: -74.64890

This site was established in 1988 in rural eastern Saratoga County north of Albany, NY. It is located in a room adjacent to the library at the Saratoga National Historical Park. The site offers insight into transport up the main travel corridor in the region and along the Hudson River valley. The data gathered at this site is reported to AirNow.

Parameter	Sampling Method	Analysis Method	Schedule
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous

Syracuse COMS

36-067-0017



Syracuse COMS
East Adams St. and Route 81
Syracuse, NY 13202

Syracuse COMS

Address: East Adams St. and Route 81
Syracuse, NY 13202

AQS Number: 36-067-0017

DEC Number: 3301-22

County: Onondaga

Statistical Area: Syracuse, NY

Coordinates: Lat: 43.04257 Lon: -76.14330

This site was established in 1983 in response to elevated CO readings in the Syracuse metropolitan region. The area was in non attainment for CO at the time. The surrounding area is urban residential and has high vehicle traffic.

The parameter monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
Carbon Monoxide	TEI 48C Method 054	Non Dispersive Infrared	Continuous

Tonawanda II

36-029-1014



192 Brookside Terrace West
Tonawanda, NY 14150

Tonawanda II

Address: 192 Brookside Terrace West
Tonawanda, NY 14150

AQS Number: 36-029-1014

DEC Number: 1472-14

County: Erie

Statistical Area: Buffalo - Niagara Falls, NY

Coordinates: Lat: 42.99813 Lon: -78.89926

The Tonawanda monitoring site was originally established in 1968 on the grounds of the Town of Tonawanda Sewage Treatment Plant as a source impact site for Sulfur Dioxide. In 2007 the sulfur dioxide monitor was moved to this current location as part of the Tonawanda Community Air Quality Study. This site borders a residential neighborhood and the industrial complex, and is approximately 0.2 mile northeast of the original historic site.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
Sulfur Dioxide	TEI 43C Method 060	Pulsed Fluorescence	Continuous
Carbon Monoxide	TEI 48C Method 054	Non Dispersive Infrared	Continuous
PM _{2.5}	R&P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous

Troy

36-083-1003



Uncle Sam Atrium
Troy, NY 12180