3.1 Northern Monitoring Site Listings

Table 3.1 Location Listing for Northern Monitoring Sites

DEC Region	AIRS #	DEC #	Site Name	County	Location
3	36-027-0007	1328-01	Millbrook	Dutchess	Forest Research Station
3	36-071-0002	3502-04	Newburgh	Orange	Public Safety Building
3	36-071-5001	3527-01	Valley Central	Orange	Valley Central High School
3	36-071-3001	3566-02	Wallkill Ballard	Orange	Ballard Road
3	36-071-3002	3566-09	Wallkill Wakefurn	Orange	Wakefurn Food
3	36-071-3004	3566-11	Scotchtown	Orange	27 Industrial Drive
3	36-079-0005	3951-01	Mt. Ninham	Putnam	NYSDEC Headquarters
3	36-111-1005	5565-03	Belleayre Mt.	Ulster	Cross country ski area
4	36-001-0005	0101-13	Albany	Albany	Albany County Health Department
4	36-001-0012	0101-33	Loudonville	Albany	Reservoir
4	36-083-1003	4102-09	Troy	Rennselaer	Uncle Sam Atrium
4	36-083-0004	4153-04	Grafton	Rennselaer	Grafton State Park
4	36-093-0003	4601-05	Schenectady	Schenectady	Mt. Pleasant High School
5	36-031-0002	1567-03	Whiteface Summit	Essex	Summit Building
5	36-031-0003	1567-04	Whiteface Lodge	Essex	ASRC (Base Lodge)
5	36-041-0005	2050-01	Piseco Lake	Hamilton	Airport
5	36-091-0004	4567-01	Stillwater	Saratoga	Saratoga Historical Park
6	36-033-0004	1655-01	Paul Smiths	Franklin	Paul Smith College
6	36-043-0005	2167-03	Nick's Lake	Herkimer	Campground
6	36-045-0002	2223-01	Perch River	Jefferson	Game Management Building
6	36-065-2001	3202-01	Utica	Oneida	Utica Health Dept
6	36-065-0004	3255-01	Camden	Oneida	Rt 13, farm field
6	36-089-0005	4458-05	Wanakena	St. Lawrence	Ranger Station
6	36-089-3001	4477-01	Potsdam	St. Lawrence	Airport
7	36-053-0006	2655-01	Camp George 'Town	Madison	Rural site
7	36-067-0017	3301-22	Syracuse	Onondaga	Syr COMS
7	36-067-1015	3353-09	E. Syracuse	Onondaga	Enterprise Parkway
7	36-075-0005	3720-01	Altmar	Oswego	Fish Hatchery
7	36-075-0003	3754-01	Fulton	Oswego	820 County Rt. 8
8	36-015-0003	0701-05	Elmira	Chemung	Water Treatment Plant
8	36-055-1007	2701-22	Rochester	Monroe	Yarmouth Rd (RG&E Substation)
8	36-101-0003	5001-04	Pinnacle	Steuben	Pinnacle State Park
8	36-117-3001	5863-01	Williamson	Wayne	Wayne County Occupational Center
9	36-029-0002	1451-03	Amherst	Erie	450 Maple Rd, Amherst Parks Dept
9	36-029-1014	1472-14	Tonawanda II	Erie	192 Brookside Terrace West
9	36-063-2008	3102-25	Niagara Falls	Niagara	Frontier Avenue & 55th Street
9	36-063-1006	3120-02	Middleport	Niagara	Sewage Treatment Plant
9	36-013-0006	0601-04	Dunkirk	Chautauqua	Sewage Treatment Plant
9	36-013-0011	0675-01	Westfield	Chautauqua	Northrup Farm, Hardscrabble Road
9	36-029-0005	1401-18	Buffalo	Erie	Off Dingens Street, near Weiss
9	36-029-1007	1402-14	Lackawanna	Erie	Simon Street

Albany County Health Dept.
36-001-0005

South Ferry and Green Streets
Albany, NY 12202

Albany County Health Department

Address: South Ferry and Green Streets
Albany, NY 12202

AQS Number: 36-001-0005
DEC Number: 0101-13
County: Albany
Statistical Area: Albany-Schenectady-Troy
Coordinates: Lat: 42.64225 Lon: -73.75464

This site was established in 1973 as a TSP site. Over time, it has progressed to PM_{10} and is now a collocated $PM_{2.5}$ FRM site. A continuous R&P TEOM is also operated at the Albany County Health Department. This site is used for AirNow reporting. Speciation sampling was added in January 2008.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
$PM_{2.5}$	Low volume FRM R&P 2025 Method 118	Gravimetric	Daily
$PM_{2.5}$ Collocated	Low volume FRM R&P 2025 Method 118	Gravimetric	1 in 3
$PM_{2.5}$	R&P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous
$PM_{2.5}$ Speciation	Met One SASS Method 811	XRF	1 in 3

Altmar
36-075-0005

Salmon River Fish Hatchery
2133 County Route 22
Altmar, NY 13302

Altmar

Address: Salmon River Fish Hatchery
2133 County Route 22
Altmar, NY 13302

AQS Number: 36-075-0005
DEC Number: 3720-01
County: Oswego
Statistical Area:
Coordinates: Lat: 43.51093 Lon: -75.9929

This site is a stand alone Acid Deposition Monitor in the Lake Ontario region. It is located at the DEC Fish Hatchery near the Salmon River.

Parameter	Sampling Method	Analysis Method	Schedule
Acid Deposition	Hyteometer	DEC Lab	As collected

Amherst
36-029-0002

450 Maple Road
Amherst, NY 14221

Amherst

Address: Town of Amherst Parks Department & Audubon Golf Course
450 Maple Road
Amherst, NY 14221

AQS Number: 36-029-0002
DEC Number: 1451-03
County: Erie
Statistical Area: Buffalo - Niagara Falls, NY
Coordinates: Lat: 42.99328 Lon: -78.77153

This site was established in July 1972. Amherst is a permanent ozone and nitrogen dioxide site. It is located on land behind the Town of Amherst Parks Department Maintenance building and alongside the Audubon Golf Course in a suburban area. This site measures ozone for the Buffalo area and transport from points west. It is reported on the AirNow system.

The parameters monitored are indicated in the following table:

Parameter	**Sampling Method**	**Analysis Method**	**Schedule**
Oxides of Nitrogen (NO, NO_2, NO_X)	TEI 42C Method 074	Chemiluminescence	Continuous
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous
Wind Speed/direction	Climatronics Sonic Method 020		Continuous
Relative Humidity	Teledyne RH200 Method 011		Continuous
Temperature	Teledyne RH200 Method 040		Continuous
Barometric Pressure	Teledyne BP300 Method 011		Continuous

Belleayre
36-111-1005

Belleayre Mountain
Belleayre Cross Country Ski Area Parking Lot
Ulster & Delaware Turnpike
Highmount, NY 12441

Belleayre

Address: Belleayre Cross Ski Area Parking Lot
Ulster & Delaware Turnpike
Highmount, NY 12441

AQS Number: 36-111-1005
DEC Number: 5565-03
County: Ulster
Statistical Area:
Coordinates: Lat: 42.14403 Lon: -74.49431

This site was established in 1987 as part of the NYSDEC Acid Deposition program. It is located on NYSDEC land at the Belleayre Mountain Ski Center cross country access area. The surrounding area is primarily forest and rural. The O_3 and SO_2 are both operated continuously without seasonal interruption. The O3 data are for regional transport and background values. The SO_2 data are used in conjunction with the acid depostion data. Ozone readings are reported to AirNow.

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
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
Wind Speed/Direction	Climatronics Sonic Method 020		Continuous
Acid Deposition	Hyteometer	DEC Lab	As collected

Buffalo
36-029-0005

185 Dingens Street
Buffalo, NY 14206

Buffalo

Address: New York State Thruway Authority Bridge Maintenance Facility Access Road
Buffalo, NY 14206

AQS Number: 36-029-0005
DEC Number: 1401-18
County: Erie
Statistical Area: Buffalo - Niagara Falls, NY
Coordinates: Lat: 42.87691 Lon: -78.80981

This site was originally established in January 1969 and is considered an urban scale site. Buffalo is the main monitoring site for the Buffalo area. It is located on the access road to the New York State Thruway Authority Bridge Maintenance Facility in an urbanized area. It is in close proximity to interstate 190 and was downwind of significant industrial sources in the 1970s. The impact from industrial sources had been drastically reduced over the past two decades. The continuous $PM_{2.5}$ data is reported to the AirNow system.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
Oxides of Nitrogen (NO, NO_2, NO_X)	TEI 42C Method 074	Chemiluminescence	Continuous
Sulfur Dioxide	TEI 43C Method 060	Pulsed Fluorescence	Continuous
Carbon Monoxide	TEI 48C Method 054	Non Dispersive Infrared	Continuous
$PM_{2.5}$	Low volume FRM R&P 2025 Method 118	Gravimetric	Daily 24-hour
$PM_{2.5}$	R&P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous
$PM_{2.5}$ Speciation	Met One SASS Method 811	XRF	Every Sixth Day
Carbon	URG 3000 Method 838	IMPROVE TOR	Every Sixth Day

Parameter	**Sampling Method**	**Analysis Method**	**Schedule**
Acid Deposition	Hyteometer	DEC Laboratory	Collection Weekly
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

Camden
36-065-0004

State Route 13
Camden, NY 13316

Camden

Address: State Route 13
Camden, NY 13316

AQS Number: 36-065-0004
DEC Number: 3255-01
County: Oneida
Statistical Area: Utica- Rome, NY
Coordinates: Lat: 43.30268 Lon: -75.71978

This site was established in 1980 as a Syracuse downwind site. Camden is a seasonal automated ozone site, requiring minimal operator attention It is located on land adjacent to the Camden Highway Department. which allows BAQS easy and secure access. Camden is used for AirNow reporting.

Parameter	Sampling Method	Analysis Method	Schedule
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous
Barometric Pressure	Teledyne BP300 Method 011		

Camp Georgetown
36-053-0006

Camp Georgetown
Crumb Hill Road
Georgetown, NY 13072

Camp Georgetown

Address: Crumb Hill Road
Georgetown, NY 13072

AQS Number: 36-053-0006
DEC Number: 2655-01
County: Madison
Statistical Area: Syracuse, NY
Coordinates: Lat: 42.73046 Lon: -75.78444

This site was established in 1987 as part of the NYSDEC Acid Deposition program in the Syracuse area of Central New York. The surrounding area is primarily forest and rural. The O_3 and SO_2 are both operated continuously without seasonal interruption. SO_2 data are used by analysts in conjunction with the data from the acid deposition program. Ozone readings are reported to AirNow.

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
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	As collected

Dunkirk
36-013-0006

City of Dunkirk Sewage Treatment Plant
Wright Park Drive
Dunkirk, NY 14048

Dunkirk

Address: City of Dunkirk Sewage Treatment Plant
Wright Park Drive
Dunkirk, NY 14048

AQS Number: 36-013-0006
DEC Number: 0601-04
County: Chautauqua
Statistical Area: Buffalo - Niagara Falls, NY
Coordinates: Lat: 42.49963 Lon: -79.31881

The Dunkirk monitoring trailer was established in 1999 as a regional transport site. It is located at the western edge of New York on the shores of Lake Erie at the City of Dunkirk's Sewage Treatment Plant. It is approximately 200 feet from Lake Erie in a suburban neighborhood. With the predominant wind direction from the west, this site measure the background levels of pollution entering the state. Ozone levels are reported to AirNow.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
Sulfur Dioxide	TEI 43C Method 060	Pulsed Fluorescence	Continuous
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous
Wind Speed/direction	Climatronics Sonic Method 020		Continuous
Relative Humidity	Teledyne RH200 Method 011		Continuous
Temperature	Teledyne RH200 Method 040		Continuous
Barometric Pressure	Teledyne BP300 Method 011		Continuous

East Syracuse
36-067-1015

East Syracuse
5895 Enterprise Parkway
Syracuse, NY 13202

East Syracuse

Address: 5895 Enterprise Parkway
Syracuse, NY 13202

AQS Number: 36-067-1015
DEC Number: 3353-09
County: Onondaga
Statistical Area: Syracuse
Coordinates: Lat: 43.05235 Lon: -76.05921

This site was established in 1991 in commercial area of suburban Syracuse. It is the primary air monitoring site in the Syracuse metropolitan area. In 1999 the site became part of the original $PM_{2.5}$ FRM monitoring network. Ozone readings are reported to AirNow.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous
$PM_{2.5}$	Low volume FRM R&P 2025 Method 118	Gravimetric	1 in 3 days, 24-hour
Sulfur Dioxide	TEI 43C Method 060	Pulsed Fluorescence	Continuous
Wind Speed/direction	Climatronics Sonic Method 020		Continuous
Relative Humidity	Teledyne RH200 Method 020		Continuous
Precipitation	Belfort Rain Gauge		Continuous
Temperature	Teledyne RH200 Method 040		Continuous
Barometric Pressure	Teledyne BP300 Method 011		Continuous
Acid Deposition	Hyteometer	DEC Lab	