

Niagara Falls 36-063-2008



**Frontier Avenue at 55th Street
Niagara Falls, NY 14304**

Niagara Falls

Address: Frontier Avenue and 55th Street
 Niagara Falls, NY 14304

AQS Number: 36-063-2008

DEC Number: 3102-25

County: Niagara

Statistical Area: Buffalo - Niagara Falls, NY

Coordinates: Lat: 43.08218 Lon: -79.00106

The Niagara Falls monitoring trailer was relocated to this location in 1998 as a neighborhood scale, population exposure site. It is located on the corner of Frontier Avenue and 55th Street directly downwind of a large industrial area and upwind of a large residential neighborhood. PM_{2.5} data is 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 |
| Carbon Monoxide | TEI 48C Method 054 | Non Dispersive Infrared | Continuous |
| PM _{2.5} | Low volume FRM R&P 2025 Method 118 | Gravimetric | Every Third Day |
| PM ₁₀ | R&P Partisol 2025 Method 127 | Gravimetric | Every Third Day |
| PM _{2.5} | R&P TEOM 1400 Method 702 | TEOM 50°C Gravimetric | Continuous |
| Toxics | Canister Method 150 | GC/MS | Every Sixth Day |
| Carbonyls | DNPH Cartridge Method 202 | HPLC - Ultraviolet Absorption | Every Sixth Day |
| Acid Deposition | Hyteometer | DEC Laboratory | Collection Weekly |

| Parameter | Sampling Method | Analysis Method | Schedule |
|----------------------|-------------------------------|------------------------|-----------------|
| 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 |

Nick's Lake 36-043-0005



**Nick's Lake Campground
278 Bisby Road
Old Forge, NY**

Nick's Lake Campground

Address: 278 Bisby Road
 Old Forge, NY

AQS Number: 36-043-0005
 DEC Number: 2167-03
 County: Herkimer
 Statistical Area: Utica-Rome, NY
 Coordinates: Lat: 43.68578 Lon: -74.98538

This site was established in 1987 at the Nick's Lake Campground as part of the Acid Deposition program in the Adirondack Park. The O₃ and SO₂ are both operated continuously without seasonal interruption. SO₂ 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 |

Mt. Ninham

36-079-0005



Mt. Ninham
NYSDEC Multiple Use Area
Gypsy Trail Road
Kent, NY 10512

Mt Ninham

Address: NYSDEC Multiple Use Area
 Gypsy Trail Road
 Kent, NY 10512

AQS Number: 36-079-0005
 DEC Number: 3951-01
 County: Putnam
 Statistical Area: New York, NY
 Coordinates: Lat: 41.45589 Lon: -73.70977

This site was established in 1987 as part of the NYSDEC Acid Deposition program in the lower Hudson Valley. The surrounding area is primarily forest and rural. The O₃ and SO₂ are both operated continuously without seasonal interruption. The O₃ data show transport from the metropolitan area of NY and NJ. SO₂ 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 |

Paul Smith's College 36-033-0004



**Route 86 and 30
Paul Smith's, NY 12970**

Paul Smith's College

Address: Route 86 and 30
Paul Smith's, NY 12970

AQS Number: 36-033-0004
DEC Number: 1655-01
County: Franklin
Coordinates: Lat: 44.43426 Lon: -74.24593

This site was established in 2003 in partnership with Paul Smith's College. The site is used as a teaching center by the school. It is maintained and operated by employees of the college with QA and technical support provided by DEC.

The parameters monitored are indicated in the following table:

| Parameter | Sampling Method | Analysis Method | Schedule |
|---------------------|------------------------------|---------------------|--------------|
| 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 |

Perch River 36-045-0002



**Vaadi Road
LaFargeville, NY 13656**

Perch River

Address: Perch River Game Management Area
Vaadi Road
LaFargeville, NY 13656

AQS Number: 36-045-0002

DEC Number: 2223-01

County: Jefferson

Statistical Area:

Coordinates: Lat: 44.08747 Lon: -75.97316

This site was established in 1992 as an Eastern Lake Ontario Ozone site. Perch River is a seasonal automated ozone site, requiring minimal operator attention. It is located in the Game Management Building at a DEC owned site, which allows BAQS easy and secure access. Perch River 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 | | |

Pinnacle 36-101-0003



**Pinnacle State Park
1904 Pinnacle Road
Addison, NY 14801**

Pinnacle

Address: Pinnacle State Park
 1904 Pinnacle Road
 Addison, NY 14801

AQS Number: 36-101-0003
 DEC Number: 5001-04
 County: Steuben
 Statistical Area:
 Coordinates: Lat: 42.09142 Lon: -77.20978

This site was originally established in the mid 1990s by the Atmospheric Sciences Research Center to provide PAMs data upwind of the Northeast corridor. The NYSDEC has been collaborating on research initiatives at this site and now is responsible for many routine parameters reported from this site. The site was part of the NY PMTACS Supersite program and many research monitoring projects are on-going at this site. This site has been selected by EPA and DEC as a rural NCore site. Ozone, Low Level SO₂, NO_y and continuous PM_{2.5} and PM₁₀ from this site 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 |
| Low Level SO ₂ | TEI 43i TLE Method 560 | Pulsed Fluorescence | Continuous |
| Low Level CO | API 300EU Method 593 | Non Dispersive Infrared | Continuous |
| NO _y | API 200EU Method 082 | Chemiluminescence | Continuous |
| PM _{2.5} | Low volume FRM R&P 2025 Method 118 | Gravimetric | Daily |
| PM _{2.5} , PM _{course} , PM ₁₀ | TEI 1405 DF Method 790 | TEOM 30°C Gravimetric | Continuous |
| PM _{2.5} Speciation | Met One SASS Method 811 | XRF | 1 day in 3 |
| PM _{2.5} Speciation | IMPROVE Sampler | IMPROVE | 1 day in 3 |

Piseco Lake 36-041-0005



**Piseco Lake
Piseco Airport
Piseco Lake, NY 12139**

Piseco Lake

Address: Piseco Airport
 Piseco Lake, NY 12139

AQS Number: 36-041-0005
 DEC Number: 2050-01
 County: Hamilton
 Statistical Area:
 Coordinates: Lat: 43.44957 Lon: -74.51625

This site was established in 1988 at the Piseco Airport as part of the Acid Deposition program in the southern Adirondacks. The O₃ and SO₂ are both operated continuously without seasonal interruption. SO₂ 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 |

Potsdam

36-089-3001



**Potsdam Airport
Rt. 11B
Potsdam, NY 13676**

Potsdam

Address: Potsdam Airport
Hatch Road, Rt 11B
Potsdam, NY 13676

AQS Number: 36-089-3001
DEC Number: 4477-01
County: St. Lawrence
Statistical Area:
Coordinates: Lat: 44.67811 Lon: -74.95151

This site was established in 1999 to support the Clarkson University mercury monitoring research project. It is operated and maintained by the science department at Clarkson University. It is not a population exposure site.

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 | 1 in 6 |