

QUEENS COLLEGE II AMBIENT AIR MONITORING STATION

**Queens College II
36-081-0124**



**Public School 219 - Queens
36-081-0124**



Queens College II	Public School 219 - Queens
NYS DEC Air Monitoring Building CUNY - Queens College Campus 65-30 Kissena Blvd. Flushing, NY 11367	144-39 Gravett Road Flushing, NY 11367
DEC Number (Queens College II): 7096-15	DEC Number (PS 219): 7096-14
AQS Number: 36-081-0124	
New York State County: Queens Statistical Area: New York City Metropolitan Area	
Coordinates: 40.73614 N 73.82153 W	Coordinates: 40.73619 N 73.82318 W

The Department originally began monitoring at Queens College for ozone and sulfur dioxide in 1978. This continued until 1997 when the monitoring equipment was removed from Queens College during a major building renovation project on the campus. The AQS number for the original Queens College site was 36-081-0004.

The Queens College II site was originally established during the summer of 2001 for an intensive air pollution study that was coordinated with the State University of New York - University of Albany - Atmospheric Sciences Research Center. In September 2006 the site was redesigned and expanded in a newly constructed building on the Queens College campus. This site will be one of three NCore sites in New York State. This location also utilizes the roof top of Public School 219 which is immediately adjacent to the Queens College II site. PS 219 still has continuous fine particulate (PM_{2.5}) and meteorological parameters.

Photochemical Assessment Monitoring Station program sampling began in 2001, however, continuous monitoring with Gas Chromatography for PAMS is not done at this site.

The FRM fine particulate (PM_{2.5}) monitor located at Queens College is part of the overall PM_{2.5} monitoring network used for comparison to the National Ambient Air Quality Standards. This is monitoring location is in a highly populated residential area. The site is in close proximity to sensitive groups, primarily young children, at Public School 219.

The URG 3000 carbon sampler was added in April 2009 to complement the MetOne SASS PM_{2.5} Speciation sampling.

The ozone and continuous PM_{2.5} data are reported to the AirNow system.

This site is also being utilized for the New York City Community Air Survey as part of the PlaNYC initiative. Additionally, the State University of New York at Albany - Atmospheric Sciences Research Center will be conducting an extensive air quality monitoring campaign during the Summer of 2009.

Future plans for this site include adding NCore parameters, including expanding the trace level pollutant monitoring equipment and adding a TSI 3031 Ultrafine Particle monitor in the late Spring 2009.

Queens College II: CUNY - Queens College Campus

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
Oxides of Nitrogen (NO, NO ₂ , NO _x)	TEI 42C Method 074	Chemiluminescence	Continuous
Carbon Monoxide	TEI 48C Method 054	Non Dispersive Infrared	Continuous
PM _{2.5}	Thermo Scientific FDMS TEOM	FDMS TEOM	Continuous
	R&P Partisol 2025 Method 118	Gravimetric	Daily
PM _{2.5} Speciation	MetOne SASS Method 811	XRF	1 day in 3
Carbon	URG 3000 Method 838	IMPROVE TOR	1 day in 3
	Sunset Laboratory Method 5040	Thermal Optical	Semi- continuous
PM ₁₀	R&P Partisol 2025 Method 127	Gravimetric	Daily

Parameter	Sampling Method	Analysis Method	Schedule
Sulfate	TEI 5020i	Pulsed Fluorescence	Continuous
NMOC - Total HC	Method 160 Method 161	Flame Ionization	Continuous
Toxics	Canister Method 150	GC/MS	1 day in 6
Carbonyl	DNPH Cartridge Method 202	HPLC - Ultraviolet Absorption	1 day in 6

Primary School 219: 144-39 Gravett Road

Parameter	Sampling Method	Analysis Method	Schedule
PM _{2.5}	R & P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous
Wind Speed/direction	Method 020	---	Continuous
Relative Humidity	Method 011	---	Continuous
Temperature	Method 040	---	Continuous
Barometric Pressure	Method 011	---	Continuous

RIVERHEAD
36-103-0004



Cornell University
College of Agriculture and Life Sciences
Long Island Horticultural Research Center
3059 Sound Avenue
Riverhead, NY 11901

Riverhead

Address: Cornell University
College of Agriculture and Life Sciences
Long Island Horticultural Research Center
3059 Sound Avenue
Riverhead, NY 11901

AQS Number: 36-103-0004
DEC Number: 5155-01
New York State County: Suffolk
Statistical Area: New York City Metropolitan Area
Coordinates: 40.96078 N 72.71238 W

The Riverhead air monitoring station was established in 1992 as a seasonal ozone site. It is utilized as a regional ozone site, given its downwind proximity to New York City. The ozone data are reported to the AirNow system.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous (during the NYS Ozone Season)

SUSAN WAGNER
36-085-0067



New York City Department of Education
Susan E. Wagner High School
1200 Manor Avenue
Staten Island, NY 10314

Susan Wagner

Address: New York City Department of Education
Susan E. Wagner High School
1200 Manor Avenue
Staten Island, NY 10314

AQS Number: 36-085-0067
DEC Number: 7097-01
New York State County: Richmond
Statistical Area: New York City Metropolitan Area
Coordinates: 40.59664 N 74.12525 W

The Susan Wagner ambient air monitoring station was established in the 1970's. This site is one of the long term ozone trends sites in New York City. The site is a year-round ozone site. The ozone data 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
PM _{2.5}	R&P Partisol 2025 Method 118	Gravimetric	1 day in 3
NMOC Total HC	Method 160 Method 161	Flame Ionization	Continuous
Meteorological	Method 020		Continuous
Relative Humidity	Method 011		Continuous

WHITE PLAINS

36-119-2004



White Plains Water Pump Station Garage
240 Orchard Street
White Plains, NY 10601

White Plains

Address: White Plains Water Pump Station Garage
240 Orchard Street
White Plains, NY 10601

AQS Number: 36-119-2004
DEC Number: 5902-04
New York State County: Westchester
Statistical Area: New York City Metropolitan Area
Coordinates: 41.05192 N 73.76366 W

The White Plains ambient air monitoring station was originally established in the 1970's. The ozone data are reported to the AirNow system.

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}	R & P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous
Acid Deposition	Hyteometer		Weekly collection
Meteorological	Method 020		Continuous
Precipitation	Belfort Rain Guage		Continuous