

HOLTSVILLE

36-103-0009



Sagamore Junior High School
57 Division Street
Holtsville, NY 11742

Holtsville

Address: Sagamore Junior High School
57 Division Street
Holtsville, NY 11742

AQS Number: 36-103-0009
DEC Number: 5151-10
New York State County: Suffolk
Statistical Area: New York City Metropolitan Area
Coordinates: 40.82799 N 73.05754 W

The Holtsville air monitoring station was established by the Suffolk County Department of Health Services - Division of Environmental Quality as an ozone, oxides of nitrogen, sulfur dioxide, carbon monoxide, fine particulate matter, methane/non-methane and meteorological site. The Suffolk County Department of Health continues to have full operational and maintenance control of the site.

Over the years, this site has recorded some of the highest ozone readings in New York State. While Suffolk County has an established quality assurance program, there are operational differences from the Department's ambient air monitoring quality assurance procedures. During the 2006 ozone season, the Department established an ozone analyzer at the site to determine if procedural differences could bring into question the accuracy and comparability between the Department's ozone sites and the Suffolk County - Holtsville site. The Department analyzer was collocated with the Suffolk County analyzer and operated in accordance with all NYS DEC quality assurance procedures to insure comparability to the rest of the BAQS monitoring network.

Data from other equipment at the Holtsville site are not certified by NYS DEC at this time.

The parameters monitored and certified by NYS DEC are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous (During NYS Ozone Seasonal)

IS 143
36-061-0115



New York City Department of Education
Junior High School 143
511 West 182nd Street
New York, NY 10033

IS 143

Address: New York City Department of Education
Junior High School 143
511 West 182nd Street
New York, NY 10033

AQS Number: 36-061-0115
DEC Number: 7093-15
County: New York
Statistical Area: New York City Metropolitan Area
Coordinates: 40.84888 N 73.93059 W

The IS143 site was established in 2000 as a continuous fine particulate (PM_{2.5}) monitoring site. The site utilizes a R&P Tapered Element Oscillating Microbalance (TEOM). This site is located in an urbanized, residential area of Manhattan. Data from this site are reported to AirNow.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
PM _{2.5}	R & P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous

This site will be part of the EPA School Air Toxics Monitoring Program in the late Spring early Summer of 2009. Monitoring will to be conducted with canister samplers for about two months. Data will be analyzed by EPA and incorporated into the national effort for this project.

IS 293
36-047-0121



New York City Department of Education
Intermediate School 293
284 Baltic Street
Brooklyn, NY 11201

IS 293

Address: New York City Department of Education
Intermediate School 293
284 Baltic Street
Brooklyn, NY 11201

AQS Number: 36-047-0121
DEC Number: 7095-44
County: Brooklyn
Statistical Area: New York City Metropolitan Area
Coordinates: 40.68419 N 73.99298 W

The Intermediate School 293 site was established in 2000 as a continuous fine particulate (PM_{2.5}) monitoring site. The site utilizes a R&P Tapered Element Oscillating Microbalance (TEOM). This site is located in an urbanized, residential area of Brooklyn. Data from this site are reported to AirNow.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
PM _{2.5}	R & P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous

IS 52
36-005-0110



New York City Department of Education
Public School 52/Middle School 302
681 Kelly Street
Bronx, NY 10455

IS 52

Address: New York City Department of Education
 Public School 52/Middle School 302
 681 Kelly Street
 Bronx, NY 10455

AQS Number: 36-005-0110
 DEC Number: 7094-07
 County: Bronx
 Statistical Area: New York City Metropolitan Area
 Coordinates: 40.81618 N 73.90200 W

This site was established in 1999 as a replacement site for Public School 155. Initially the site contained ozone, oxides of nitrogen, sulfur dioxide, continuous PM_{2.5} and continuous PM₁₀. Following an upgrade of the electricity, additional monitoring parameters were added, creating one of the premier particulate sampling sites in New York City. The site contains criteria pollutant parameters and methods along with many experimental methods.

This site is routinely utilized by outside entities for research and data comparison. Currently the Bureau is assisting with two different air quality studies: the Columbia University Department of Medicine with the Multi-Ethnic Study of Atherosclerosis (MESA) and the Mount Sinai Department of Medicine Children’s Air Pollution Asthma Study (CAPAS). This site will also be used as part of the initial pilot study for the New York City Community Air Survey as part of the PlaNYC initiative, starting in June 2008.

The continuous fine particulate (PM_{2.5}) monitoring data from this site are reported to AirNow.

An Eastern Research Group (ERG) chromium sampler was added to this site in October 2007.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous
Oxides of Nitrogen (NO, NO ₂ , NO _x)	TEI 42C Method 074	Chemiluminescence	Continuous
Sulfur Dioxide	TEI 43C Method 060	Pulsed Fluorescence	Continuous
PM _{2.5}	R & P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous

Parameter	Sampling Method	Analysis Method	Schedule
	Low volume FRM R&P 2025 Method 118	Gravimetric	Daily 1 day in 3 ¹
PM _{2.5} Speciation	Met One SASS Method 811	XRF	1 day in 3
Carbon	URG 3000 Method 838	IMPROVE TOR	1 day in 3
PM _{2.5} Speciation	IMPROVE Sampler	IMPROVE	1 day in 3
PM ₁₀	R & P TEOM 1400 Method 079	TEOM 50°C Gravimetric	Continuous
	Low volume FRM R&P 2025 Method 127	Gravimetric	1 day in 6 ¹
PM ₁₀ - Metals	Method 907	ICPMS	1 day in 6 ¹
PM _{2.5} - Nitrate	Thermo Scientific 8400N	---	Continuous
Sulfate	Thermo Scientific 5020i Sulfate Particulate	Pulsed Fluorescence	Continuous
Black Carbon	Magee Scientific Aethalometer Method 866	Optical Absorption	Continuous
Elemental Carbon/ Organic Carbon	Sunset Laboratory Method 5040	Thermal Optical	Semi-Continuous
Toxics	Canister Method 150	GC/MS	1 day in 6
Carbonyl	DNPH tube Method 202	HPLC Ultraviolet Absorption	1 day in 6
Chromium	Eastern Research Group	---	1 day in 6

¹ Collocated units

IS 74
36-005-0112



New York City Department of Education
Intermediate School 74 (MS 201)
730 Bryant Avenue
Bronx, NY 10474

IS 74

Address: New York City Department of Education
Intermediate School 74 (MS 201)
730 Bryant Avenue
Bronx, NY 10474

AQS Number: 36-005-0112
DEC Number: 7094-08
County: Bronx
Statistical Area: New York City Metropolitan Area
Coordinates: 40.81551 N 73.88553 W

The Intermediate School 74 site was established in 2000 as a continuous fine particulate (PM_{2.5}) monitoring station. The site utilizes a R&P Tapered Element Oscillating Microbalance (TEOM). This site is located in an urbanized, residential area of the Hunts Point area of the Bronx. Data from this site are reported to AirNow.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
PM _{2.5}	R & P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous