

# **MANHATTANVILLE POST OFFICE**

**36-061-0119**



**United States Post Office - Manhattanville Station**  
**365 West 125<sup>th</sup> Street**  
**New York, NY 10027**

### **Manhattanville Post Office**

Address: United States Post Office - Manhattanville Station  
365 West 125<sup>th</sup> Street  
New York, NY 10027

AQS Number: 36-061-0119  
DEC Number: 7093-17  
County: New York  
Statistical Area: New York City Metropolitan Area  
Coordinates: 40.81133 N 73.95321 W

The Manhattanville Post Office site was established in 2000 as a continuous fine particulate (PM<sub>2.5</sub>) monitoring site. The site utilizes a R&P Tapered Element Oscillating Microbalance (TEOM). This site is located in an urbanized, residential and commercial area of Manhattan. Data from this site are reported to AirNow.

The parameters monitored are indicated in the following table:

<b>Parameter</b>	<b>Sampling Method</b>	<b>Analysis Method</b>	<b>Schedule</b>
PM <sub>2.5</sub>	R & P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous

**MASPETH LIBRARY**  
**36-081-0120**



**Queens Public Library - Maspeth**  
**69-70 Grand Avenue**  
**Maspeth, NY 11378**

## Maspeth Library

Address: Queens Public Library - Maspeth  
69-70 Grand Avenue  
Maspeth, NY 11378

AQS Number: 36-081-0120  
DEC Number: 7096-13  
County: Queens  
Statistical Area: New York City Metropolitan Area  
Coordinates: 40.72698 N 73.89313 W

The Maspeth Library was established as a continuous fine particulate (PM<sub>2.5</sub>) monitoring site in 2000. The site utilizes a R&P Tapered Element Oscillating Microbalance (TEOM). This site is located in an urbanized, residential area in the vicinity of two major New York City roadways, the Long Island Expressway and the Brooklyn-Queens Expressway. The continuous fine particulate (PM<sub>2.5</sub>) monitoring data from this site are reported to AirNow.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
PM <sub>2.5</sub>	R & P TEOM 1400 Method 702	TEOM 50°C Gravimetric	Continuous

**MORRISANIA II**  
**36-005-0080**



**Morrisania Diagnostic and Treatment Center**  
**1225-57 Gerard Avenue**  
**Bronx, NY 10452**

## Morrisania II

Address: Morrisania Diagnostic and Treatment Center  
1225-57 Gerard Avenue  
Bronx, NY 10452

AQS Number: 36-005-0080  
DEC Number: 7094-05  
New York State County: Bronx  
Statistical Area: New York City Metropolitan Area  
Coordinates: 40.83606 N 73.92009 W

The Morrisania II air monitoring station was originally established in 1989 as a Hi-Volume PM<sub>10</sub> site. In 1990 ozone, sulfur dioxide and oxides of nitrogen analyzers were added. PM<sub>10</sub> was subsequently discontinued. A Federal Reference Method fine particulate (PM<sub>2.5</sub>) sampler was added in 1999. In May of 2000 the all continuous analyzers were discontinued and the site became a stand alone PM<sub>2.5</sub> site.

The FRM PM<sub>2.5</sub> sampler at Morrisania II is part of the overall PM<sub>2.5</sub> monitoring network used for comparison to the National Ambient Air Quality Standards.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
PM <sub>2.5</sub>	R&P Partisol 2025 Method 118	Gravimetric	1 day in 3

# **NEW YORK BOTANICAL GARDEN**

## **Pfizer Plant Research Laboratory 36-005-0133**



## **Harding Laboratory 36-005-0083**



<b>New York Botanical Garden</b>	
200 <sup>th</sup> Street and Southern Blvd. Bronx, NY 10458-5126	
<b>Pfizer Plant Research Laboratory</b>	<b>Harding Laboratory</b>
AQS Number: 36-005-0133	AQS Number: 36-005-0083
DEC Number: 7094-10	DEC Number: 7094-06
New York State County: Bronx Statistical Area: New York City Metropolitan Area	
Coordinates: 40.86790 N 73.87809 W	Coordinates: 40.86585 N 73.88083 W

This site was established in the Harding Laboratory at the New York Botanical Garden in January 1995. This site was originally established for the Photochemical Assessment Monitoring Station (PAMS) program with some summa canister sampling beginning in June 1994. During the summer of 2006, the New York Botanical Garden completed construction on the Pfizer Plant Research Laboratory. This is a state of the art laboratory and research facility that replaced the Harding laboratory. Through an agreement with the Department, NYBG provided space in the new facility for the Department’s ambient air monitoring station.

Starting with the 2006 PAMS season the continuous GC was moved to the new monitoring site at the Pfizer Lab. The ozone, sulfur dioxide, oxides of nitrogen, carbon monoxide, methane/non-methane, canisters, and carbonyl samplers were moved to the Pfizer Lab the end of December 2006. The FRM PM<sub>2.5</sub> sampler was moved to the Pfizer Laboratory on January 1, 2008. The FRM fine particulate (PM<sub>2.5</sub>) sampler installed at the Pfizer Laboratory is part of the overall PM<sub>2.5</sub> monitoring network used for comparison to the National Ambient Air Quality Standards.

On January 9, 2008 the Mercury Deposition Network (MDN) Automatic Precipitation Sampler and the ETI Instrument Systems NOAH IV Total Precipitation Measurement System was installed as part of establishing a MDN site at Pfizer Laboratory. The Tekran Elemental and Reactive Gas Mercury equipment was installed in August, 2008.

The meteorological equipment remains at the Harding Laboratory. At this time the Garden’s future plans for the Harding Laboratory building are unknown, however it is anticipated that this building will be torn down in the future.

This site is being utilized for the New York City Community Air Survey as part of the PlaNYC initiative.

The parameters monitored are indicated in the following tables:

**Pfizer Plant Research Laboratory**

Parameter	Sampling Method	Analysis Method	Schedule
Ozone	TEI 49C Method 047	Ultraviolet Photometric	Continuous
Sulfur Dioxide	TEI 43C Method 060	Pulsed Fluorescence	Continuous
Low Level SO <sub>2</sub>	TEI 43i TLE Method 560	Pulsed Fluorescence	Continuous
Oxides of Nitrogen (NO, NO <sub>2</sub> , NO <sub>x</sub> )	TEI 42C Method 074	Chemiluminescence	Continuous
Carbon Monoxide	TEI 48C Method 054	Non Dispersive Infrared	Continuous
PM <sub>2.5</sub>	R&P Partisol 2025 Method 118	Gravimetric	1 day in 3
NMOC - Total HC	Method 160 Method 161	Flame Ionization	Continuous
PAMS precursor	Method 128	GC/MS	Continuous
Toxics	Canister Method 150	GC/MS	1 day in 6
Carbonyl	DNPH Cartridge Method 202	HPLC - Ultraviolet Absorption	1 day in 6 Daily (PAMS)
Mercury Elemental/Reactive Gas	Tekran Mercury Vapor Analyzer	Cold Vapor Atomic Fluorescence Spectrometry	Continuous
Precipitation - MDN	N-CON Systems MDN 00-125-2 Automatic Precipitation Sampler	---	Weekly collection
	NOAH IV Total Precipitation Measurement System	---	

**Harding Laboratory**

<b>Parameter</b>	<b>Sampling Method</b>	<b>Analysis Method</b>	<b>Schedule</b>
Acid Deposition	Hyteometer	DEC Laboratory	Weekly collection
Wind Speed/direction	Method 020	---	Continuous
Precipitation	Tipping Bucket	---	Event based
Relative Humidity	Method 011	---	Continuous
Temperature	Method 040	---	Continuous
Barometric Pressure	Method 011	---	Continuous

**PARK ROW**  
**36-061-0125**



**Pace University**  
**One Pace Plaza**  
**New York, NY 10038**

## Park Row

Address: Pace University  
1 Pace Plaza  
New York, NY 10038

AQS Number: 36-061-0125  
DEC Number: 7093-18  
County: New York  
Statistical Area: New York City Metropolitan Area  
Coordinates: 40.71163 N 74.00535 W

The Park Row site was established in September 2001 as a continuous fine particulate ( $PM_{2.5}$ ) monitoring station in response to the disaster at the World Trade Center. Following the discontinuance of the WTC sites, Park Row became part of the Department's core air monitoring network. The site currently utilizes a  $PM_{2.5}$  and a  $PM_{10}$  R&P Tapered Element Oscillating Microbalances (TEOMs). This site is located in an urbanized, residential and area of lower Manhattan. The continuous fine particulate ( $PM_{2.5}$ ) monitoring 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 1400a Method 702	TEOM 50°C Gravimetric	Continuous
$PM_{10}$	R & P TEOM 1400a Method 079	TEOM 50°C Gravimetric	Continuous

# **PORT RICHMOND**

**36-085-0055**



**United States Post Office - Port Richmond Station**  
**364 Port Richmond Avenue**  
**Staten Island, NY 10302**

## Port Richmond

Address: United States Post Office - Port Richmond Station  
364 Port Richmond Avenue  
Staten Island, NY 10302

AQS Number: 36-085-0055  
DEC Number: 7097-03  
New York State County: Richmond  
Statistical Area: New York City Metropolitan Area  
Coordinates: 40.63307 N 74.13719 W

The Port Richmond air monitoring station was originally established as a Hi-Volume PM<sub>10</sub> site in 1984. In December 1999, a Federal Reference Method fine particulate (PM<sub>2.5</sub>) sampler was installed. This FRM PM<sub>2.5</sub> sampler is part of the overall PM<sub>2.5</sub> monitoring network used for comparison to the National Ambient Air Quality Standards.

The parameters monitored are indicated in the following table:

Parameter	Sampling Method	Analysis Method	Schedule
PM <sub>2.5</sub>	R&P Partisol 2025 Method 118	Gravimetric	1 day in 3