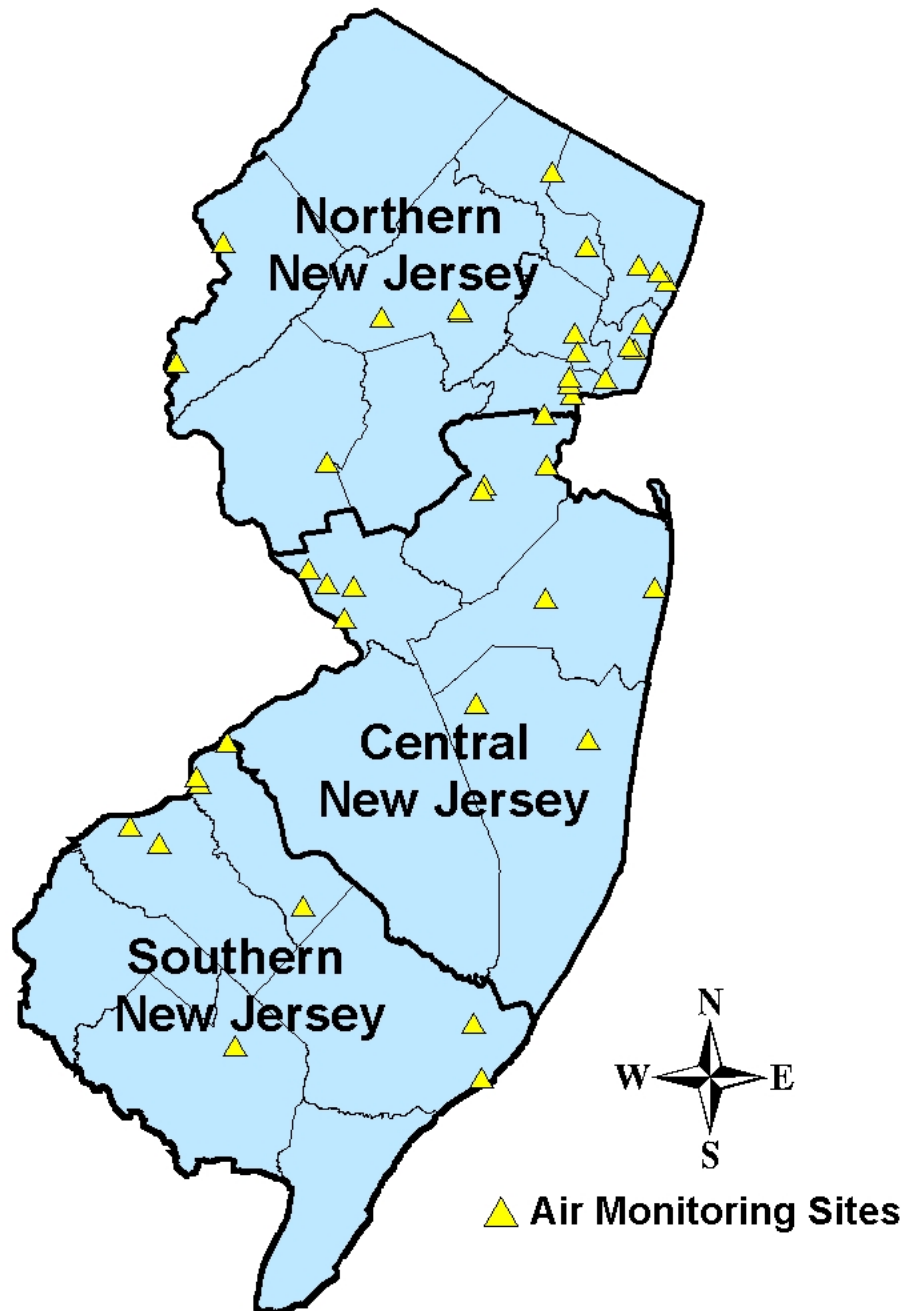




# Appendix A

## 2010 Air Monitoring Sites

New Jersey Department of Environmental Protection



# Figure 1 Northern New Jersey Air Monitoring Sites

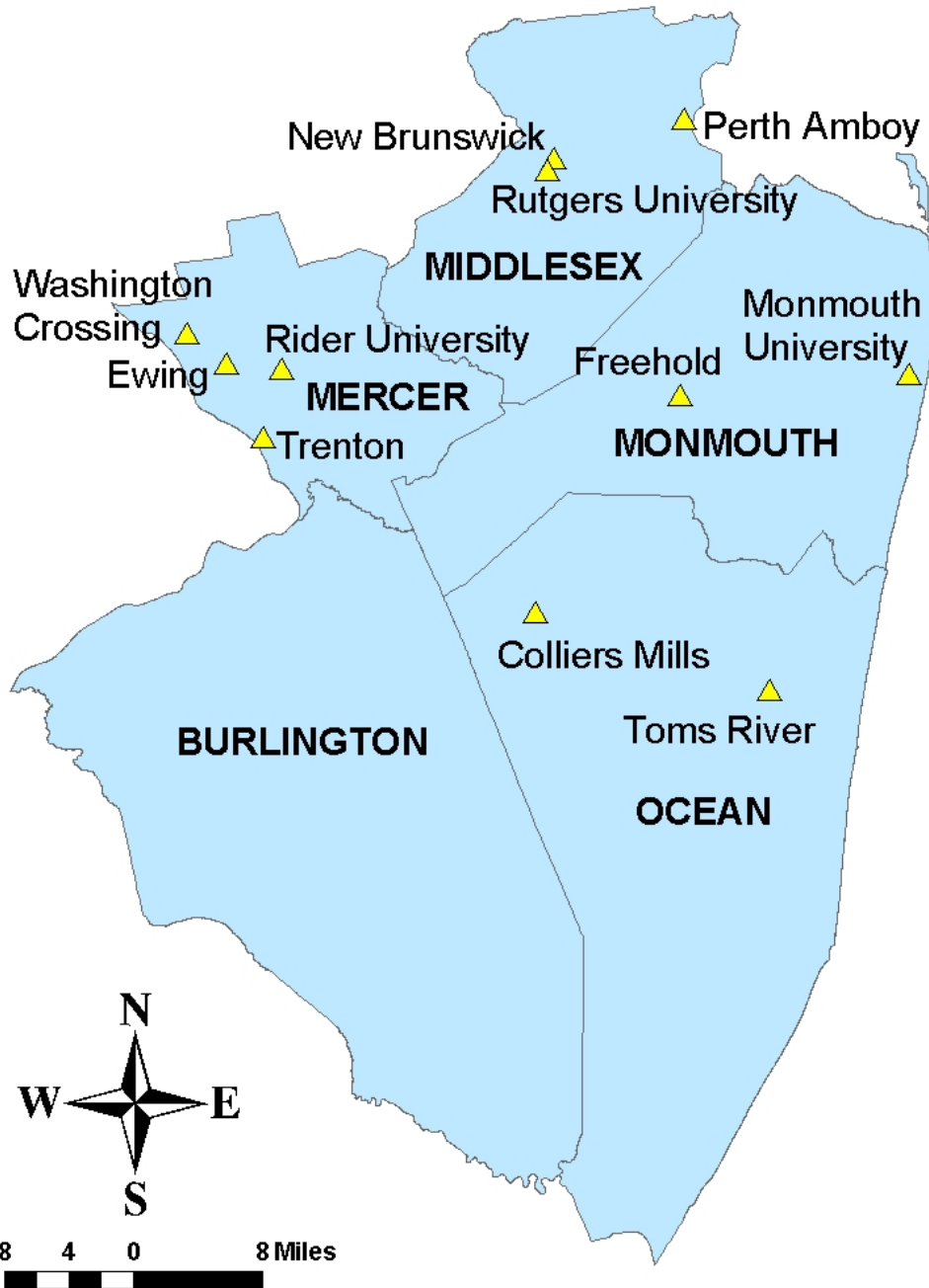


**Table 1  
Northern New Jersey Air Monitoring Sites**

County	Monitoring Site	AIRS Code	Parameter(s) Measured <sup>1</sup>	Coordinates (Decimal degrees)		Address
				Latitude	Longitude	
BERGEN	Fort Lee-Library	34 003 0003	PM <sub>2.5</sub>	40.852256	- 73.973314	Fort Lee Public Library, 320 Main Street.
	Hackensack	34 003 5001	CO, SO <sub>2</sub> , SS	40.882373	- 74.042172	133 River St. near Moore & Mercer Streets.
	Leonia	34 003 0006	NO <sub>x</sub> , O <sub>3</sub>	40.870422	-73.992053	Overpeck Park, 40 Fort Lee Road.
ESSEX	East Orange	34 013 1003	CO, NO <sub>x</sub> , MET	40.757501	- 74.200500	Engine No. 2, Dr. Martin Luther King Blvd & Greenwood Avenue.
	Newark-Fire House	34 013 0003	CO, O <sub>3</sub> , SO <sub>2</sub> , TEOM, PM <sub>2.5</sub> , PM <sub>2.5</sub> Spec, MET, NO <sub>y</sub>	40.721019	-74.192808	Newark Firehouse, 360 Clinton Avenue.
HUDSON	Bayonne	34 017 0006	NO <sub>x</sub> , O <sub>3</sub> , SO <sub>2</sub>	40.670250	- 74.126081	Veterans Park, 25 <sup>th</sup> Street near Park Road.
	Jersey City	34 017 1002	CO, SO <sub>2</sub> , SS	40.731690	- 74.066566	2828 Kennedy Blvd.
	Jersey City-Firehouse	34 017 1003	PM <sub>2.5</sub> , PM <sub>10</sub> , TEOM	40.725454	- 74.052290	Consolidated Firehouse, 355 Newark Avenue.
	Union City	34 017 2002	PM <sub>2.5</sub>	40.772793	-74.031718	Health Department, 714 31 <sup>st</sup> Street.
HUNTERDON	Flemington	34 019 0001	O <sub>3</sub> , MET, TEOM	40.515253	-74.806753	Raritan Twp (Municipal Utilities Authority), 365 Old York Road.
MORRIS	Chester	34 027 3001	NO <sub>x</sub> , O <sub>3</sub> , SO <sub>2</sub> , MET, PM <sub>2.5</sub> , TOXICS, Hg, PM <sub>2.5</sub> Spec	40.787628	- 74.676301	Bldg. #1, Department of Public Works, (DPW), Route 513.
	Morristown	34 027 0003	CO, SS	40.797342	-74.482494	11 Washington Street.
	Morristown-Ambulance Squad	34 027 0004	PM <sub>2.5</sub>	40.801211	- 74.483433	Ambulance Squad, 16 Early Street.
PASSAIC	Paterson	34 031 0005	PM <sub>2.5</sub>	40.918381	-74.168092	Health Department, 176 Broadway Avenue.
	Ramapo	34 031 5001	O <sub>3</sub>	41.058572	- 74.255419	Access Road, off Skyline Drive, Wanaque Borough.
UNION	Elizabeth	34 039 0003	CO, SO <sub>2</sub> , SS	40.662451	- 74.214745	7 Broad Street.
	Elizabeth Lab	34 039 0004	CO, NO <sub>x</sub> , SO <sub>2</sub> , SS, TEOM, MET, PM <sub>2.5</sub> , TOXICS, Hg, PM <sub>2.5</sub> Spec	40.641440	- 74.208365	Interchange 13, NJ TURNPIKE.
	Elizabeth-Mitchell Building	34 039 0006	PM <sub>2.5</sub>	40.673406	-74.213889	Mitchell Bldg., 500 North Broad Street
	Rahway	34 039 2003	PM <sub>2.5</sub> , TEOM	40.603943	- 74.276174	Fire Dept. Bldg., 1300 Main Street
WARREN	Columbia WMA	34 041 0007	SO <sub>2</sub> , PM <sub>2.5</sub> , TEOM	40.924600	-75.067800	Colombia WMA, Delaware Rd, Knowlton Twp.
	Phillipsburg	34 041 0006	PM <sub>2.5</sub>	40.699207	- 75.180525	Municipal Bldg., 675 Corliss Avenue

<sup>1</sup> See Parameter Codes, Table 4 (page Appendix A-8)

**Figure 2**  
**Central New Jersey**  
**Air Monitoring Sites**



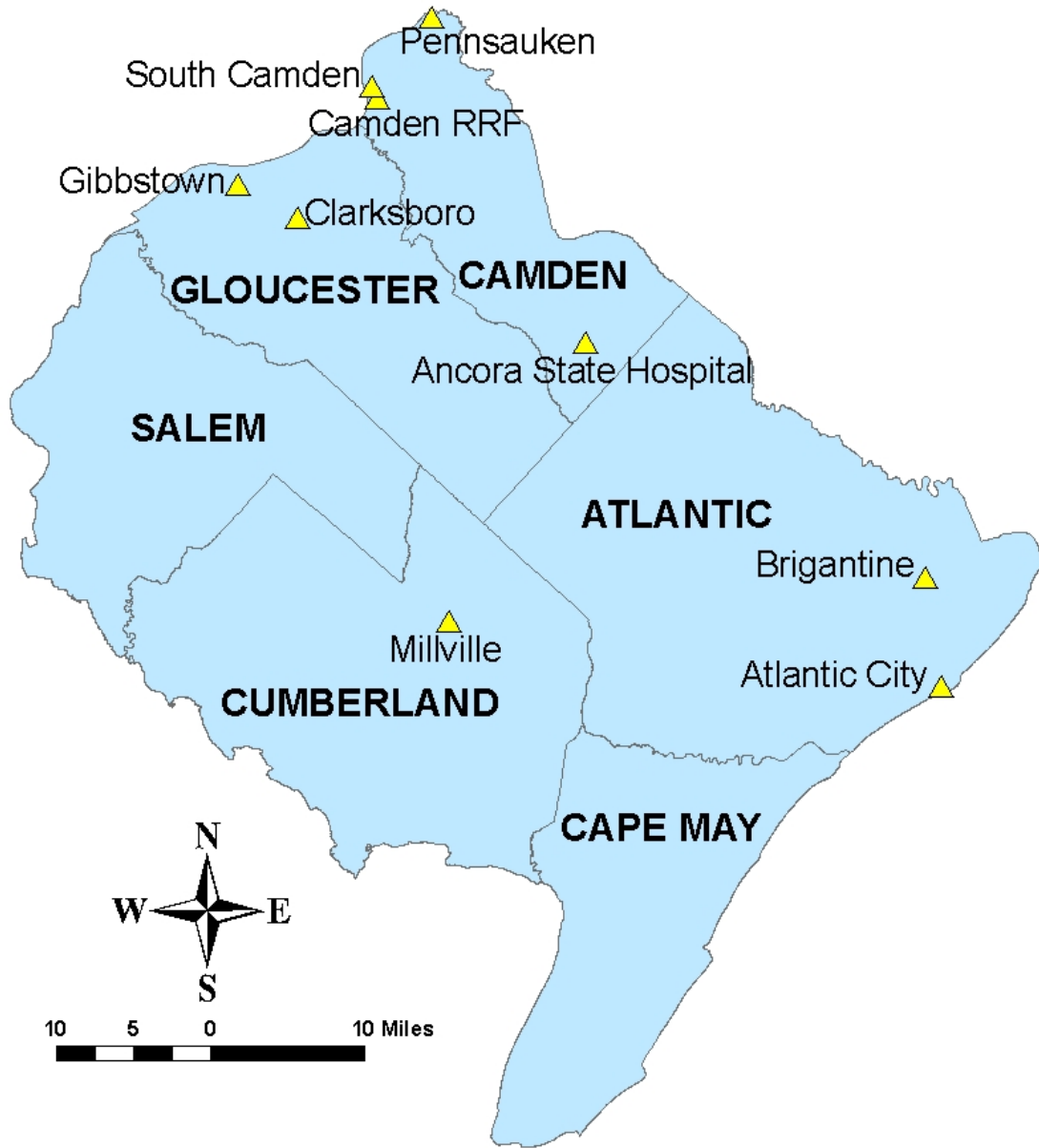
**Table 2  
Central New Jersey Air Monitoring Sites**

County	Monitoring Site	AIRS Code	Parameter(s) Measured <sup>1</sup>	Coordinates (Decimal degrees)		Address
				Latitude	Longitude	
<b>MERCER</b>	Ewing	34 021 0010	TEOM	40.287530	-74.807770	Bureau of Air Monitoring Technical Center, 380 Scotch Road, West Trenton.
	Rider University	34 021 0005	NO <sub>x</sub> , O <sub>3</sub> , PAMS, MET	40.283092	-74.742644	Athletic Fields, Route 206 South, Lawrenceville.
	Trenton	34 021 0008	PM <sub>2.5</sub> , PM <sub>10</sub>	40.222411	-74.763167	Trenton Library, 120 Academy Street.
	Washington Crossing	34 021 8001	PM <sub>2.5</sub> , ACID	40.315350	-74.853617	Washington Crossing State Park, off Church Road, Titusville.
<b>MIDDLESEX</b>	New Brunswick	34 023 0006	TEOM, PM <sub>2.5</sub> , Hg, PM <sub>2.5</sub> Spec, TOXICS	40.472786	- 74.422515	Cook College, Log Cabin Road.
	Perth Amboy	34 023 2003	CO, SO <sub>2</sub> , SS	40.508764	-74.268083	130 Smith Street, Perth Amboy
	Rutgers University	34 023 0011	NO <sub>x</sub> , O <sub>3</sub> , MET <sup>2</sup> , PAMS	40.462182	- 74.429439	Horticultural Farm #3, off Ryder's Lane, New Brunswick.
<b>MONMOUTH</b>	Freehold	34 025 2001	CO, SS	40.259895	- 74.274689	5 West Main Street.
	Monmouth University	34 025 0005	O <sub>3</sub>	40.278461	- 74.005343	Edison Science Bldg., 400 Cedar Ave., West Long Branch.
<b>OCEAN</b>	Colliers Mills	34 029 0006	O <sub>3</sub>	40.064847	-74.444058	Colliers Mills Wildlife Management Area.
	Toms River	34 029 2002	PM <sub>2.5</sub>	39.994908	-74.170447	Elementary School, 1517 Hooper Avenue

<sup>1</sup> See Parameter Codes, Table 4 (page Appendix A-8)

<sup>2</sup> Meteorological Measurements at the site are collected by Rutgers University

**Figure 3**  
**Southern New Jersey**  
**Air Monitoring Sites**



**Table 3**  
**Southern New Jersey Air Monitoring Sites**

County	Monitoring Site	AIRS Code	Parameter(s) Measured <sup>1</sup>	Coordinates (Decimal degrees)		Address
				Latitude	Longitude	
<b>ATLANTIC</b>	Atlantic City	34 001 1006	PM <sub>2.5</sub> , PM <sub>10</sub>	39.363528	-74.431219	1535 Bacharach Blvd., Atlantic City.
	Brigantine	34 001 0006	O <sub>3</sub> , SO <sub>2</sub> , TEOM, PM <sub>2.5</sub> , Hg, ACID, PM <sub>2.5</sub> Spec <sup>2</sup>	39.464872	-74.448736	Edwin Forsythe National Wildlife Refuge Visitor Center, Great Creek Road.
<b>CAMDEN</b>	Ancora State Hospital	34 007 1001	CO, O <sub>3</sub> , SO <sub>2</sub> , ACID	39.684250	- 74.861491	Ancora State Hospital, 202 Spring Garden Road, Hammonton.
	South Camden	34 007 0010	TEOM	39.923969	-75.122317	Camden County Sewage Treatment Plant, 1645 Ferry Avenue.
	Camden-RRF	34 007 0009	PM <sub>10</sub>	39.912431	- 75.116864	Camden RRF, Morgan Blvd. & I-676.
	Pennsauken	34 007 1007	PM <sub>2.5</sub>	39.989036	-75.050008	Morris-Delair Water Treatment Plant Off Griffith Morgan Lane.
<b>CUMBERLAND</b>	Millville	34 011 0007	NO <sub>x</sub> , O <sub>3</sub> , SO <sub>2</sub> , TEOM	39.422273	- 75.025204	Lincoln Avenue & Route 55.
<b>GLOUCESTER</b>	Clarksboro	34 015 0002	O <sub>3</sub> , SO <sub>2</sub>	39.800339	-75.212119	Clarksboro Shady Lane Rest Home, County House Road.
	Gibbstown	34 015 0004	PM <sub>2.5</sub>	39.830806	-75.284723	Municipal Maintenance Yard, North School Street.

<sup>1</sup> See Parameter Codes, Table 4 (page Appendix A-8)

<sup>2</sup>The United States Fish and Wildlife Service - Air Quality Branch (USFWS-AQB) is responsible for the sample collection.

**Table 4  
Parameter Codes**

ACID	Acid Deposition	PM <sub>10</sub>	Coarse particles (10 Microns or less) collected by a Federal Reference Method PM <sub>10</sub> Sampler
CO	Carbon Monoxide	PM <sub>2.5</sub> Spec	Speciated (2.5 Microns or Less) fine particles
Hg	Mercury Station	PM <sub>2.5</sub>	Fine Particles (2.5 Microns or less) collected by a Federal Reference Method PM <sub>2.5</sub> Sampler
MET	Meteorological Parameters	TEOM	Continuous PM <sub>2.5</sub> Analyzer
NO <sub>x</sub>	Nitrogen Dioxide and Nitric Oxide	SO <sub>2</sub>	Sulfur Dioxide
NO <sub>y</sub>	Total Reactive Oxides of Nitrogen	SS	Smoke Shade
O <sub>3</sub>	Ozone	TOXICS	Air Toxics
PAMS	Photochemical Assessment Monitoring Station		