



***Pennsylvania Department of
Environmental Protection Ambient Air
Monitoring Network Plan - 2009***

June 26, 2008

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Commonwealth of Pennsylvania**

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Introduction

In 1970, Congress enacted the Clean Air Act authorizing the Environmental Protection Agency (EPA) to establish National Ambient Air Quality Standards (NAAQS) for pollutants shown to threaten human health and welfare. Primary ambient air quality standards were set according to criteria designed to protect public health, including an adequate margin of safety to protect sensitive populations such as children and asthmatics. Secondary ambient air quality standards were set according to criteria designed to protect public welfare (decreased visibility, damage to crops, vegetation, and buildings, etc.).

Seven pollutants currently have NAAQS: ozone (O_3), carbon monoxide (CO), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), particulate matter less than 10 microns (PM_{10}), particulate matter less than 2.5 microns ($PM_{2.5}$) and lead (Pb). These are commonly called the “criteria” pollutants. When air quality does not meet the NAAQS, the area is said to be in “nonattainment” with the NAAQS. Table 1 below lists all of the NAAQS for the criteria pollutants.

Table 1. National Ambient Air Quality Standards (NAAQS)

Pollutant	Primary (Health Related)		Secondary (Welfare Related)	
	Type of Average	Standard Level Concentration	Type of Average	Standard Level Concentration
Carbon Monoxide	8-hour Running (not to be exceeded more than once per year)	9 ppm	No Secondary Standard	
	1-hour (not to be exceeded more than once per year)	35 ppm	No Secondary Standard	
Lead	Maximum Quarterly Average	1.5 µg/m ³	Same as Primary Standard	
Nitrogen Dioxide	Annual Arithmetic Mean	0.053 ppm	Same as Primary Standard	
Ozone	Fourth-Highest Daily Maximum 8-hour Running Mean (based on 3- year average)	0.075 ppm	Same as Primary Standard	
PM ₁₀	24-hour (not to be exceeded more than once per year)	150 µg/m ³	Same as Primary Standard	
PM _{2.5}	Annual Arithmetic Mean (based on 3- year average)	15 µg/m ³	Same as Primary Standard	
PM _{2.5}	24-hour (based on 3 year average of 98th percentile)	35 µg/m ³	Same as Primary Standard	
Sulfur Dioxide	Annual Arithmetic Mean	0.03 ppm	3-hour (block average) (Not to be exceeded more than once per year)	0.50 ppm
	24-hour (daily mean) (not to be exceeded more than once per year)	0.14 ppm		

Requirements for Monitoring Network Descriptions

On October 17, 2006, EPA promulgated revisions to the Ambient Air Monitoring regulations (71FR61236), “The purpose of the amendments is to enhance ambient air quality monitoring to better serve current and future air quality”. Included in the revisions were final regulations concerning state and local agency ambient air monitoring networks. In addition, EPA Region III provided guidance in what was to be submitted with the first round of a Network Description. For the first round, Region III requested information described in 40 CFR section 58.10 (a).

Section 58.10 (a) requires for each existing and proposed monitoring site:

- (1) A statement of purpose for each monitor
- (2) Evidence that siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58, where applicable
- (3) Proposals for any State and Local Air Monitoring station (SLAMS) network modifications

The Pennsylvania Department of Environmental Protection (PA DEP), Bureau of Air Quality has gone beyond this minimum requested information and has also provided a substantial portion of the information requested in section 58.10 (b). Section 58.10 (b) requires:

- (1) The Air Quality System (AQS) site identification number.
- (2) The location, including street address and geographical coordinates.
- (3) The sampling and analysis method(s) for each measured parameter.
- (4) The operating schedules for each monitor.
- (5) Any proposals to remove or move a monitoring station within a period of 18 months following plan submittal.
- (6) The monitoring objective and spatial scale of representativeness for each monitor.
- (7) The identification of any sites that are suitable and sites that are not suitable for comparison against the annual $PM_{2.5}$ NAAQS as described in section 58.30.
- (8) The Metropolitan Statistical Area (MSA), Core Based Statistical Area (CBSA), Combined Statistical Area (CSA) or other area represented by the monitor.

Commonwealth of Pennsylvania Air Monitoring Network

Program History

The Pennsylvania Air Pollution Control Act (APCA), enacted originally on January 8, 1960, established the framework for air pollution control activities in Pennsylvania. As a result of the passage of the federal Clean Air Act in 1970, states developed state implementation plans (SIPs), which described how they proposed to meet the NAAQS mandated under this Act. When formed in 1971, PA DEP implemented air pollution programs that, with a great deal of success, have since largely addressed major public health and welfare air quality concerns. Significant changes have occurred over the years with the program, notably with the passage of the Clean Air Act Amendments in 1990 as well as implementation of PM_{2.5} monitoring in 1997. Currently, the PA DEP has an extensive monitoring program that not only monitors for the criteria pollutants, but also for air toxics and volatile organic compounds (VOC's).

Description of Local Networks

Allegheny County Health Department

The Allegheny County Health Department's air monitoring section in operates a network of 19 monitoring stations across Allegheny county to collect and assess air quality data on concentrations of particulates, sulfur dioxide, ozone, carbon monoxide, nitrogen oxides, ozone, as well as lead. In addition, air toxics and VOC's are also monitored.

Philadelphia Air Management Services

The main mission of the Philadelphia Health Department's Air Management Services local air pollution control program is to monitor the city's ambient air for pollutants, which are compared to Federal standards. The City of Philadelphia is served by a network of ten (10) air monitoring sites located throughout the City that measure the criteria pollutants: ozone, carbon monoxide (CO), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), particulate matter (PM₁₀ and PM_{2.5}), and lead. Five of the sites also measure toxics, such as benzene, acetaldehyde, and formaldehyde.

This report does not provide detailed descriptions of the monitoring networks operated by the two county agencies. Detailed descriptions of local networks will be submitted to EPA by the Allegheny County Health Department and the City of Philadelphia Department of Public Health Air Management Services respectively. Full address information on these agencies is located on page 19.

Appendix A Description

The Pennsylvania Air Monitoring Network consists of the sites and monitors listed in Appendix A as of January 1, 2008. This appendix details site information, pollutants monitored at each site and detailed maps of sampling sites these maps are broken down by air basin sites and non-air basin sites.

Also detailed are the manufacturers, models and analysis methods used in the monitoring network. This network is maintained and operated by the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Air Quality Monitoring.

Appendix B Description

Appendix B provides a detailed Network Description as it existed on January 1, 2008. It presents information related to the location of the site, monitoring parameters at the site, and details about the monitors themselves in order to meet the requirements of 40 CFR Section 58.10 (a) and (b).

The first block, the Site Information Block, contains information identifying the site by both address and latitude and longitude. This block also contains information regarding inclusion of the monitoring site in any metropolitan statistical area.

Following the Site Information Block, there is a series of one or more Sensor Information Block(s), containing information for each monitor at the site. Each sensor block contains the following information:

- Sensor Type – The name of the pollutant measured by the sampler.
- Sensor Network Designation – The name of the designated network:
 - NCore – National Core multipollutant monitoring station. (There are currently no NCore sites planned for PA DEP; Allegheny County Health Department and Philadelphia air Management Services are being funded for one NCore station, each)
 - PAMS – Photochemical Assessment Monitoring Station
 - SLAMS - State or Local Ambient Monitoring Station
 - STN – PM_{2.5} Speciation Trends Network
 - SPM – Special Purpose Monitor
- Sensor Purpose Description– The purpose of the sensor:
 - Population Exposure, such as the Air Quality Index
 - Regulatory compliance with Federal or State regulation
 - Research/Scientific Monitoring
 - Specific location characterization
- Sample Frequency – Specifies how often a sample is taken.
 - Continuous - operates 24/7; applies predominately to gaseous analyzers, although some particulate samplers (TEOM/FDMS and BAMs) operate continuously.
 - Daily – a discrete sample is taken every day; applies to manual method particulate samplers.
 - Every Third Day - Manual method particulate samplers that run every third day.
 - Every Sixth Day – Manual method particulate samplers that run every sixth day.

- 40 CFR section 58 Appendix A QA Assessment – A “YES” indicates the sensor is maintained in accordance with the Quality Assurance (QA) requirements specified in 40 CFR Part 58 Appendix A.
 - 40 CFR section 58 Appendix C Monitoring Classification – Each ambient air monitor is classified using the EPA “List of Designated Reference and Equivalent Methods” (see EPA Transfer Technology Network web page – link below)
 - Reference or Federal Reference Method (FRM) – a method of sampling that is specified in CFR Part 50.
 - Equivalent or Federal Equivalent Method (FEM) – a method that is designated as equivalent to the reference method, in accordance with 40 CFR Part 53.
 - Automated – after sampling, the analysis results are available immediately.
 - Manual - after sampling, a separate analysis at a laboratory is necessary.
- In Appendix B, the above descriptors are combined into the following groupings.
- Automated Reference Method,
 - Manual Reference Method,
 - Automated Equivalent Method,
 - Manual Equivalent Method, or
 - NONE – appears where there is no reference or equivalent method.
- 40 CFR section 58 Appendix C Monitoring Method – Each ambient air monitor is classified by a specific “method number.” These numbers can be found in the EPA “List of Designated Reference and Equivalent Methods” (see EPA Transfer Technology Network web page at <http://www.epa.gov/ttn/amtic/files/ambient/criteria/relist030607.pdf>).
 - Monitoring Method Description – Each individual ambient air monitor type has a specific method of pollutant detection. Common examples are:
 - Ozone monitors – Ultraviolet (UV) Absorption
 - SO₂- UV Fluorescence
 - CO - Non-dispersive Infrared (IR)
 - NO₂ or NO_x - Chemiluminescence
 - PM_{2.5}, PM₁₀ - Gravimetric (or gravimetric by TEOM (tapered element micro balance)), or Beta attenuation
 - PAMS - Auto GC (Gas Chromatograph), Dual FID (flame ionization detector)
 - 40 CFR section 58 Appendix D Design Criteria – Appendix D requires a certain number of monitoring samplers per geographic area. A “YES” indicates that the number of monitors in that particular area meets or exceeds the requirement of 40 CFR Part 58 Appendix D.
 - 40 CFR section 58 Appendix D Scale – The specific “spatial scales of representation” describes the physical dimensions of the air parcel around the monitoring station throughout which actual pollutant concentrations are reasonably similar.
 - Microscale - Areas ranging from several meters to about 100 meters,
 - Middle scale - Areas ranging from 100 meters to 0.5 kilometers,
 - Neighborhood - 0.5 to 4.0 kilometers, and uniform land use,
 - Urban scale - 4 to 50 kilometers, and
 - Regional - ten to hundreds of kilometers.

- 40 CFR section 58 Appendix D Objective – Describes the purpose/objective for monitoring at a site.
 - Extreme downwind
 - General/Background concentration
 - Highest concentration
 - Maximum ozone concentration
 - Population exposure
 - Regional transport
 - Source oriented

- 40 CFR section 58 Appendix E Siting Criteria – Describes certain criteria applicable to ambient air quality sampling probes and monitoring paths, such as distances from trees, obstructions, traffic lanes, etc. A “YES” indicates that the sensor at the given site meets or exceeds the requirements of 40 CFR Part 58 Appendix E.

- Comments – The database contains a comments section for each monitor. Appropriate comments, as necessary, are found in this area.

Site Activity within the Next 18 Months

To provide a better understanding of Volatile Organic Compounds (VOC) air toxics across the Commonwealth, PA DEP is proposing to add fourteen air toxic monitors to the ambient air monitoring network. The plan will have VOC monitoring at half of the proposed sites in 2009 and the other half will be done in 2010. When this initial characterization is done, a more defined monitoring plan will be proposed for 2011.

It should be noted that the PA DEP nitrogen dioxide (NO₂) monitor also records oxides of nitrogen (NO_x) concentrations. Therefore, where it is proposed that the NO₂ monitor be discontinued, this will result in a loss of NO_x data also.

No changes to the routine surveillance ambient monitoring network for ozone, PM_{2.5}, or lead are being considered for 2009. PM_{2.5} sampling at the Carlisle West (Macaluso residence – Walnut Street) site should end in September 2008 to complete the special study that was being conducted by the Department.

The following ambient air monitoring sites show the potential for addition or deletion from the Department’s ambient air monitoring network starting January 1, 2009:

Bristol, Bucks County: The continuous PM₁₀ monitor for the years 2005-2007 has recorded maximum 24-hour averages of 58, 56, and 52 micrograms per cubic meter (ug/m³) which are less than 80% of the PM₁₀ NAAQS in the Philadelphia metropolitan area. Since the Philadelphia 5-county area can be considered a low concentration area, the minimum number of required monitors based on population ranges from 2 to 4. With Philadelphia Air Management Services (AMS) operating three (3) monitors and the PA DEP monitor at Chester (Delaware County) continuing operation, PA DEP intends to

discontinue the Bristol PM₁₀ monitor starting in 2009. Based on the 3-year design value for the 24-hour NAAQS from data obtained in 2008, the sampling frequency of the Bristol PM_{2.5} sampler may need to be increased to everyday from the 1 in 3 sampling currently due to requirements in 40 CFR Part 58.12(d).

Chester, Delaware County: With the PM_{2.5} monitor showing attainment for the 3-year annual mean NAAQS at 14.9 ug/m³ for the years 2005-2007, it is planned that the PM_{2.5} speciation monitor be relocated to Johnstown (Cambria County) where the PM_{2.5} is not showing attainment. The purpose of the PM_{2.5} speciation monitor is to provide information on what factors are causing an area to not attain the standard. With Chester indicating attainment and Philadelphia AMS operating two speciation monitors the information obtained by relocating the monitor to Johnstown would be more useful in characterizing the particulate matter in that region.

Norristown, Montgomery County: The continuous PM₁₀ monitor for the years 2005-2007 has recorded maximum 24-hour averages of 60, 57, and 48 ug/m³ which are less than 80% of the PM₁₀ NAAQS in the Philadelphia metropolitan area. Since the Philadelphia 5-county area can be considered a low concentration area, the minimum number of required monitors based on population ranges from 2 to 4. With Philadelphia Air Management Services (AMS) operating three (3) monitors and the DEP monitor at Chester (Delaware County) continuing operation, PA DEP intends to discontinue the PM₁₀ monitor starting in 2009.

With the requirement for the minimum number of monitors in an area removed for sulfur dioxide, nitrogen dioxide and carbon monoxide based on changes to Appendix D of 40 CFR 58, PA DEP intends to discontinue the carbon monoxide (CO) and nitrogen dioxide (NO₂) monitors from the Norristown site in 2009. The nitrogen dioxide annual means for the years 2005 to 2007 are 0.016, 0.014, and 0.014 parts per million (ppm) respectively, this represents levels that are substantially below the annual NAAQS standard of 0.053 ppm. With carbon monoxide 8-hour averages reading 1.3, 1.5, 1.1 ppm, these also represent concentrations less than 80% of the NAAQS. Carbon monoxide monitoring will remain at Bristol and nitrogen dioxide monitoring will remain at Chester.

PA DEP plans on installing and operating a VOC air toxics sampler at the Norristown site in 2010 for at least one year.

New Garden (Toughkenamon), Chester County: As explained above, PA DEP plans on installing and operating a VOC air toxics sampler at the New Garden site in 2009 for at least one year.

Allentown, Lehigh County: With sulfur dioxide (SO₂) annual means of 0.008, 0.006, and 0.005 ppm from 2005 to 2007, the recorded data is substantially below the annual NAAQS of 0.030 ppm. PA DEP intends to discontinue the Allentown SO₂ monitor in 2009. There are no minimum monitoring requirements for SO₂ and the pollutant will continue to be monitored in Easton providing coverage for the area.

The nitrogen dioxide annual means for the years 2005 to 2007 are 0.014, 0.012, and 0.012 parts per million (ppm) respectively, this represents levels that are substantial below the annual NAAQS standard of 0.053 ppm. PA DEP will discontinue the Allentown NO₂ monitor 2009. There are no minimum monitoring requirements for NO₂ and the pollutant will continue to be monitored in Freemansburg providing coverage for the area.

PA DEP plans on installing and operating a VOC air toxics sampler at the Allentown site in 2009 for at least one year.

Freemansburg, Northampton County: The continuous PM₁₀ monitor for the years 2005-2007 has recorded maximum 24-hour averages of 62, 54, and 55 ug/m³ which are less than 80% of the PM₁₀ NAAQS. Since the Allentown-Bethlehem-Easton MSA can be considered a low concentration area, the minimum number of required monitors based on population ranges from 1 to 2. With PA DEP monitors at Allentown (Lehigh County) and Nazareth (Northampton County) continuing operation, PA DEP intends to discontinue the Freemansburg PM₁₀ monitor in 2009.

With sulfur dioxide (SO₂) annual means of 0.007, 0.005, and 0.004 ppm from 2005 to 2007, the recorded data is substantially below the annual NAAQS of 0.030 ppm. PA DEP will discontinue the Freemansburg SO₂ monitor in 2009. There are no minimum monitoring requirements for SO₂ and the pollutant will continue to be monitored in Easton providing coverage for the area.

PA DEP plans on installing and operating a VOC air toxics sampler at the Freemansburg site in 2010 for at least one year.

Scranton, Lackawanna County: The continuous PM₁₀ monitor for the years 2005-2007 has recorded maximum 24-hour averages of 62, 57, and 53 ug/m³ which are less than 80% of the PM₁₀ NAAQS. Since the Scranton-Wilkes Barre MSA can be considered a low concentration area, the minimum number of required monitors based on population ranges from 1 to 2. With a PA DEP monitor at Wilkes-Barre (Luzerne County) continuing operation, PA DEP intends to discontinue the Scranton PM₁₀ monitor starting in 2009.

With sulfur dioxide (SO₂) annual means of 0.005, 0.004, and 0.005 ppm from 2005 to 2007, the recorded data is substantially below the annual NAAQS of 0.030 ppm. PA DEP will discontinue the Scranton SO₂ monitor in 2009. There are no minimum monitoring requirements for SO₂ and the pollutant will continue to be monitored in Wilkes-Barre providing coverage for the area.

PA DEP plans on installing and operating a VOC air toxics sampler at the Scranton site in 2010 for at least one year. PA DEP plans on installing and operating a continuous Met One BAM (FEM) PM_{2.5} monitor which will be colocated with the FRM monitor and provide support for the Air Quality Index (AQI) in this MSA.

Wilkes-Barre, Luzerne County: PA DEP intends to discontinue the carbon monoxide (CO) and nitrogen dioxide (NO₂) monitors from the Wilkes-Barre site in 2009. The nitrogen dioxide annual means for the years 2005 to 2007 are 0.013, 0.011, and 0.011 parts per million (ppm) respectively, this represents levels that are substantially below the annual NAAQS standard of 0.053 ppm. With carbon monoxide 8-hour averages reading 1.9, 1.6, 1.7 ppm, these also represent concentrations less than 80% of the NAAQS. Carbon monoxide monitoring and nitrogen dioxide monitoring will remain at Scranton providing coverage for the area. There are no minimum monitoring requirements for CO or NO₂.

PA DEP plans on installing and operating a VOC air toxics sampler at the Wilkes-Barre site in 2009 for at least one year.

Reading (Airport), Berks County: PA DEP intends to discontinue the hydrogen sulfide (H₂S) monitor from the Reading Airport site in 2009. This monitor was originally installed due to odor complaints when the site was located at 234 Morgantown Road.

Reading (Central), Berks County: The manual filter-based method (sampling every six days) PM₁₀ monitor for the years 2005-2007 has recorded maximum 24-hour averages of 85, 51, and 45 ug/m³ which are less than 80% of the PM₁₀ NAAQS. Since the Reading MSA can be considered a low concentration area, the minimum number of required monitors based on population ranges from 1 to 2. With a continuous PA DEP monitor at the Reading (Airport) site continuing operation, PA DEP intends to discontinue monitoring at the Reading (Central) PM₁₀ site in 2009.

Harrisburg, Dauphin County: With sulfur dioxide (SO₂) annual means of 0.005, 0.005, and 0.005 ppm from 2005 to 2007, the recorded data is substantially below the annual NAAQS of 0.030 ppm. PA DEP intends to discontinue the Harrisburg SO₂ monitor in 2009. There are no minimum monitoring requirements for SO₂ and the pollutant will continue to be monitored in York providing coverage for the south-central region.

PA DEP plans on installing and operating a VOC air toxics sampler at the Harrisburg site in 2010 for at least one year.

Carlisle, Cumberland County: PA DEP plans on installing and operating a continuous Met One BAM (FEM) PM_{2.5} monitor at the Imperial Court design value site which will be colocated with the FRM monitor and provide additional support for the Air Quality Index (AQI) in this Harrisburg-Carlisle-Lebanon MSA.

Lancaster, Lancaster County: With sulfur dioxide (SO₂) annual means of 0.006, 0.005, and 0.005 ppm from 2005 to 2007, the recorded data is substantially below the annual NAAQS of 0.030 ppm. PA DEP intends to discontinue the Lancaster SO₂ monitor in 2009. There are no minimum monitoring requirements for SO₂ and the pollutant will continue to be monitored in York providing coverage for the south-central region.

With Lancaster carbon monoxide (CO) 8-hour averages reading 1.6, 1.5, 1.4 ppm, these represent concentrations less than 80% of the NAAQS. PA DEP will discontinue the Lancaster CO monitor in 2009. Carbon monoxide monitoring will remain at Harrisburg and York to provide coverage for the south-central region. There are no minimum monitoring requirements for CO.

York, York County: PA DEP plans on installing and operating a VOC air toxics sampler at the York site in 2009 for at least one year.

Altoona, Blair County: PA DEP intends to discontinue the carbon monoxide (CO) and nitrogen dioxide (NO₂) monitors from the Altoona site in 2009. The nitrogen dioxide annual means for the years 2005 to 2007 are 0.013, 0.012, and 0.011 parts per million (ppm) respectively, this represents levels that are substantially below the annual NAAQS standard of 0.053 ppm. With carbon monoxide 8-hour averages reading 1.2, 1.0, 1.0 ppm, these also represent concentrations less than 80% of the NAAQS. Carbon monoxide monitoring and nitrogen dioxide monitoring will remain at Johnstown providing coverage for the area. There are no minimum monitoring requirements for CO.

PA DEP plans on installing and operating a VOC air toxics sampler at the Altoona site in 2010 for at least one year.

Montoursville, Lycoming County: With sulfur dioxide (SO₂) annual means of 0.005, 0.005, and 0.003 ppm from 2005 to 2007, the recorded data is substantially below the annual NAAQS of 0.030 ppm. PA DEP intends to discontinue the Montoursville SO₂ monitor in 2009. There are no minimum monitoring requirements for SO₂ and the pollutant will continue to be monitored in State College providing coverage for the area.

PA DEP plans on installing and operating a VOC air toxics sampler at the Montoursville site in 2009 for at least one year.

Johnstown, Cambria County: As explained earlier, PA DEP plans on relocating the PM_{2.5} speciation monitor from Chester (Delaware County) to Johnstown in 2009.

PA DEP plans on installing and operating a VOC air toxics sampler at the Johnstown site in 2009 for at least one year.

Beaver Falls, Beaver County: With sulfur dioxide (SO₂) annual means of 0.007, 0.007, and 0.008 ppm from 2005 to 2007, the recorded data is substantially below the annual NAAQS of 0.030 ppm. PA DEP intends to discontinue monitoring at the Beaver Falls SO₂ site in 2009. There are no minimum monitoring requirements for SO₂ and the pollutant will continue to be monitored at higher concentration sites in Hookstown and Brighton Township providing coverage for the region.

With Beaver Falls carbon monoxide (CO) 8-hour averages reading 1.5, 1.6, 1.5 ppm, these represent concentrations less than 80% of the NAAQS. PA DEP intends to discontinue monitoring at the Beaver Falls CO site in 2009. There are no minimum monitoring requirements for CO.

PA DEP plans on installing and operating a VOC air toxics sampler at the Beaver Falls site in 2010 for at least one year.

Charleroi, Washington County: The continuous PM₁₀ monitor will be replaced with a manual monitor that is being relocated from the Monessen site. The manual PM₁₀ monitor sampling frequency will remain the same at once every six days.

PA DEP plans on installing and operating a VOC air toxics sampler at the Charleroi site in 2009 for at least one year.

Florence, Washington County: The continuous PM₁₀ monitor for the years 2005-2007 has recorded maximum 24-hour averages of 54, 52, and 53 ug/m³ which are less than 80% of the PM₁₀ NAAQS. With a DEP monitor at Charleroi (Washington County) continuing operation, PA DEP intends to discontinue monitoring at the Florence PM₁₀ site in 2009.

The nitrogen dioxide annual means for the years 2005 to 2007 are 0.007, 0.005, and 0.006 parts per million (ppm) respectively, this represents levels that are substantial below the annual NAAQS standard of 0.053 ppm. PA DEP is proposing that the Florence NO₂ monitor be discontinued in 2009.

There are no minimum monitoring requirements for NO₂ and the pollutant will continue to be monitored in Charleroi providing coverage for the area.

Washington, Washington County: With sulfur dioxide (SO₂) annual means of 0.009, 0.009, and 0.008 ppm from 2005 to 2007, the recorded data is substantially below the annual NAAQS of 0.030 ppm. PA DEP is proposing that the Washington SO₂ monitor be discontinued in 2009. There are no minimum monitoring requirements for SO₂ and the pollutant will continue to be monitored at Charleroi providing coverage for the region.

The nitrogen dioxide annual means for the years 2005 to 2007 are 0.014, 0.012, and 0.013 parts per million (ppm) respectively, this represents levels that are substantial below the annual NAAQS standard of 0.053 ppm. PA DEP intends to discontinue monitoring at the Washington NO₂ site in 2009. There are no minimum monitoring requirements for NO₂ and the pollutant will continue to be monitored in Charleroi providing coverage for the area.

Monessen, Westmoreland County: The manual filter-based method (sampling every six days) PM₁₀ monitor for the years 2005-2007 has recorded maximum 24-hour averages of 73, 50, and 61 ug/m³ which are less than 80% of the PM₁₀ NAAQS. Since the Monongahela Valley air basin can be considered a low concentration area, PA DEP intends to relocate the Monessen PM₁₀ monitor to Charleroi (Washington County) starting in 2009 to maintain coverage within the air basin.

Greensburg, Westmoreland County: The continuous PM₁₀ monitor for the years 2005-2007 has recorded maximum 24-hour averages of 74, 57, and 62 ug/m³ which are less than 80% of the PM₁₀ NAAQS. Since Greensburg is not within an MSA there is no minimum number of required monitors based on population. PA DEP intends to discontinue the Greensburg PM₁₀ monitor in 2009.

With sulfur dioxide (SO₂) annual means of 0.009, 0.009, and 0.008 ppm from 2005 to 2007, the recorded data is substantially below the annual NAAQS of 0.030 ppm. PA DEP intends to discontinue the Greensburg SO₂ monitor in 2009. There are no minimum monitoring requirements for SO₂ and the pollutant will continue to be monitored in Charleroi and Florence providing coverage for the region.

With Greensburg carbon monoxide (CO) 8-hour averages reading 0.9, 1.1, 1.0 ppm, these represent concentrations less than 80% of the NAAQS. PA DEP intends to discontinue the Greensburg CO monitor in 2009. The monitor at the Charleroi site will provide coverage for the region. There are no minimum monitoring requirements for CO.

The Greensburg nitrogen dioxide annual means for the years 2005 to 2007 are 0.013, 0.011, and 0.011 parts per million (ppm) respectively, This represents levels that are substantial below the annual NAAQS standard of 0.053 ppm. PA DEP intends to discontinue the Greensburg NO₂ monitor in 2009. There are no minimum monitoring requirements for NO₂ and the pollutant will continue to be monitored in Charleroi providing coverage for the region.

PA DEP plans on installing and operating a VOC air toxics sampler at the Greensburg site in 2010 for at least one year.

Strongstown, Indiana County: The nitrogen dioxide annual means for the years 2005 to 2007 are 0.006, 0.006, and 0.006 parts per million (ppm) respectively, this represents levels that are substantial below

the annual NAAQS standard of 0.053 ppm. PA DEP intends to discontinue the Strongstown NO₂ monitor in 2009. There are no minimum monitoring requirements for NO₂.

Holbrook, Greene County: With Holbrook carbon monoxide (CO) 8-hour averages reading 0.7, 1.6, 0.7 ppm, these represent concentrations less than 80% of the NAAQS. PA DEP plans to terminate the Holbrook CO monitor in 2009. The monitor at the Charleroi site will provide coverage for the region. There are no minimum monitoring requirements for CO.

New Castle, Lawrence County: The nitrogen dioxide annual means for the years 2005 to 2007 are 0.017, 0.016, and 0.015 parts per million (ppm) respectively, this represents levels that are substantial below the annual NAAQS standard of 0.053 ppm. The New Castle NO₂ monitor will be discontinued in 2009. There are no minimum monitoring requirements for NO₂.

Farrell, Mercer County: With sulfur dioxide (SO₂) annual means of 0.005, 0.005, and 0.005 ppm from 2005 to 2007, the recorded data is substantially below the annual NAAQS of 0.030 ppm. The Farrell SO₂ monitor will be discontinued in 2009. There are no minimum monitoring requirements for SO₂ and the pollutant will continue to be monitored in New Castle and Erie providing coverage for the region.

Warren, Warren County: PA DEP has been operating two sulfur dioxide monitors in the area since 1996 based on the potential for an exceedance of the SO₂ NAAQS. The sites were determined at that time based on modeling projections, with the site located at the Warren High School in the area with the highest projected concentrations. No exceedances of the NAAQS have been observed at either site, with the Warren Overlook site recording higher concentrations. PA DEP is therefore considering relocating or terminating the Warren High School site within the next year.

General Description of Criteria Pollutants

Ozone (O₃)

Ground-level ozone, or photochemical smog, is not emitted into the atmosphere as ozone, but rather is formed by the reactions of other pollutants. The primary pollutants entering into this reaction, volatile organic compounds (VOC's) and oxides of nitrogen (NO_x), create ozone in the presence of sunlight. Ozone is a strong irritant of the upper respiratory system and also causes damage to crops.

Ozone is measured by ultraviolet absorption photometry. Air is drawn through a sample cell where ultraviolet light (254 nm wavelength) passes through it. Any light that is not absorbed by the ozone is then converted into an electrical signal proportional to the ozone concentration.

Sulfur Dioxide (SO₂)

Sulfur dioxide is a gaseous pollutant that is emitted primarily by industrial furnaces or power plants burning coal or oil containing sulfur. At high concentrations, breathing can be impaired. Damage to vegetation can also result.

Sulfur dioxide is measured with a fluorescence analyzer. Air is drawn through a sample cell where it is then subjected to high intensity ultraviolet light. This causes in the sulfur dioxide molecules in the air to fluoresce and release light. The fluorescence is detected with a photomultiplier tube and converted to an electrical signal proportional to the SO₂ concentration.

Carbon Monoxide (CO)

Carbon monoxide is a poisonous gas that, when introduced into the bloodstream, inhibits the delivery of oxygen to body tissue. The health risk is greatest for individuals with cardiovascular disease.

Carbon monoxide is measured by infrared absorption photometry. A continuous flow of air is drawn through a sample cell where infrared light passes through it. The carbon monoxide molecules absorb a portion of the infrared light. This reduces the amount of light getting to the sensor. The light is then converted into an electrical signal related to the concentration of carbon monoxide in the sample cell.

Lead (Pb)

Lead is a metal that is highly toxic when ingested or inhaled. It is a suspected carcinogen of the lungs and kidneys and has adverse effects on cardiovascular, nervous and renal systems. Lead is emitted into the atmosphere by industrial processes.

The amount of lead in ambient air is measured by laboratory analysis of TSP filters by Inductively Coupled Argon Plasma-Optical Emission Spectrometry.

Nitrogen Dioxide (NO₂)

Nitrogen dioxide is a highly toxic, reddish brown gas that is created primarily from fuel combustion in industrial sources and vehicles. It creates an odorous haze that causes eye and sinus irritation, blocks natural sunlight and reduces visibility.

Nitrogen oxides are measured using the chemiluminescence reaction of nitric oxide (NO) with ozone (O₃). Air is drawn into a reaction chamber where it is mixed with a high concentration of ozone from an internal ozone generator. Any NO mixes with ozone to produce NO₂. Light from this reaction is detected with a photomultiplier tube and converted to an electrical signal proportional to the NO concentration. Total nitrogen oxides (NO_x) are measured by passing the air through a converter where any NO₂ in the air is reduced to NO before the air is passed to the reaction chamber. By alternately passing the air directly to the reaction chamber, and through the converter before the reaction chamber, the analyzer alternately measures NO and NO_x. Nitrogen dioxide (NO₂) is measured indirectly by a subtraction of the NO_x and NO concentrations.

Fine Particulate Matter (PM_{2.5})

Fine particulate matter with a diameter of 2.5 microns or less is created primarily from industrial processes and fuel combustion. These particles are breathed deeply into the lungs. Exposure to particle pollution is linked to a variety of significant health problems ranging from aggravated asthma to premature death in people with heart and lung disease.

PM_{2.5} is sampled by drawing air through a specially designed inlet that excludes particles larger than 2.5 microns in diameter. The particles are collected on a Teflon™ Microfiber filter that is weighed to determine the particulate mass. The normal sampling schedule varies, as determined by the regulations: some sites sample every day, others sample every 3rd day. In addition, PA DEP has 12 monitors (TEOM/FDMS and BAM) that record PM_{2.5} data continuously. PA DEP is in the process of contracting with Met One to replace the current BAM continuous monitors with the Federal Equivalent Method (FEM) version.

Particulate Matter (PM₁₀)

Particulate matter with a mean diameter of 10 microns or less and is emitted from transportation and industrial sources. Exposure to particle pollution is linked to a variety of significant health problems ranging from aggravated asthma to premature death in people with heart and lung disease.

PM₁₀ is sampled continuously using a tapered element oscillating microbalance (TEOM). Air is drawn through a specially designed inlet that excludes particles larger than 10 microns in diameter. Particle accumulation causes changes in the microbalance oscillation that are recorded by the instrument.

Acronyms

APCA	Air Pollution Control Act
AQS	Air Quality System
BAM	Beta Attenuation Monitor
CBSA	Core based statistical area
CSA	Combined Statistical Area
CO	Carbon Monoxide
PA DEP	Pennsylvania Department of Environmental Protection
EPA	U. S. Environmental Protection Agency
FEM	Federal Equivalent Method
FID	Flame Ionization Detector
FRM	Federal Reference Method
GC	Gas Chromatograph
IR	Infrared (radiation)
H ₂ S	Hydrogen Sulfide
MSA	Metropolitan Statistical Area
NAAQS	National Ambient Air Quality Standards
NCore	National Core multipollutant monitoring stations
nm	nanometers
NO	The gaseous pollutant Nitrogen Oxide
NO ₂	The gaseous pollutant Nitrogen Dioxide
NO _x	Oxides of Nitrogen
O ₃	The gaseous pollutant Ozone
PAMS	Photochemical Assessment Monitoring Station
Pb	Lead
PM _{2.5}	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers
PM ₁₀	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
QA	Quality Assurance
SLAMS	State or Local Air Monitoring Stations
SO ₂	The gaseous pollutant Sulfur Dioxide
SPM	Special Purpose Monitor
STN	PM _{2.5} Speciation Trends Network
TSP	Total Suspended Particulate
TTN*	EPA's Technology Transfer Network
TEOM	Tapered Element Oscillating Microbalance
UV	Ultraviolet
VOC's	Volatile Organic Compounds

* <http://www.epa.gov/ttn/amtic/>

Air Pollution Control Agencies in Pennsylvania

Allegheny County Health Department
39th Street and Penn Avenue
Pittsburgh, PA 15201
(412) 578-8104

City of Philadelphia
Department of Public Health
Air Management Services
321 University Avenue
Philadelphia, PA 19104
(215) 685-7584

Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Air Quality
Division of Air Quality Monitoring
Rachel Carson State Office Building 12th Floor
400 Market Street
P.O. Box 8468
Harrisburg, PA 17105-8468
(717) 787-6548

Related environmental information is available electronically via the Internet.

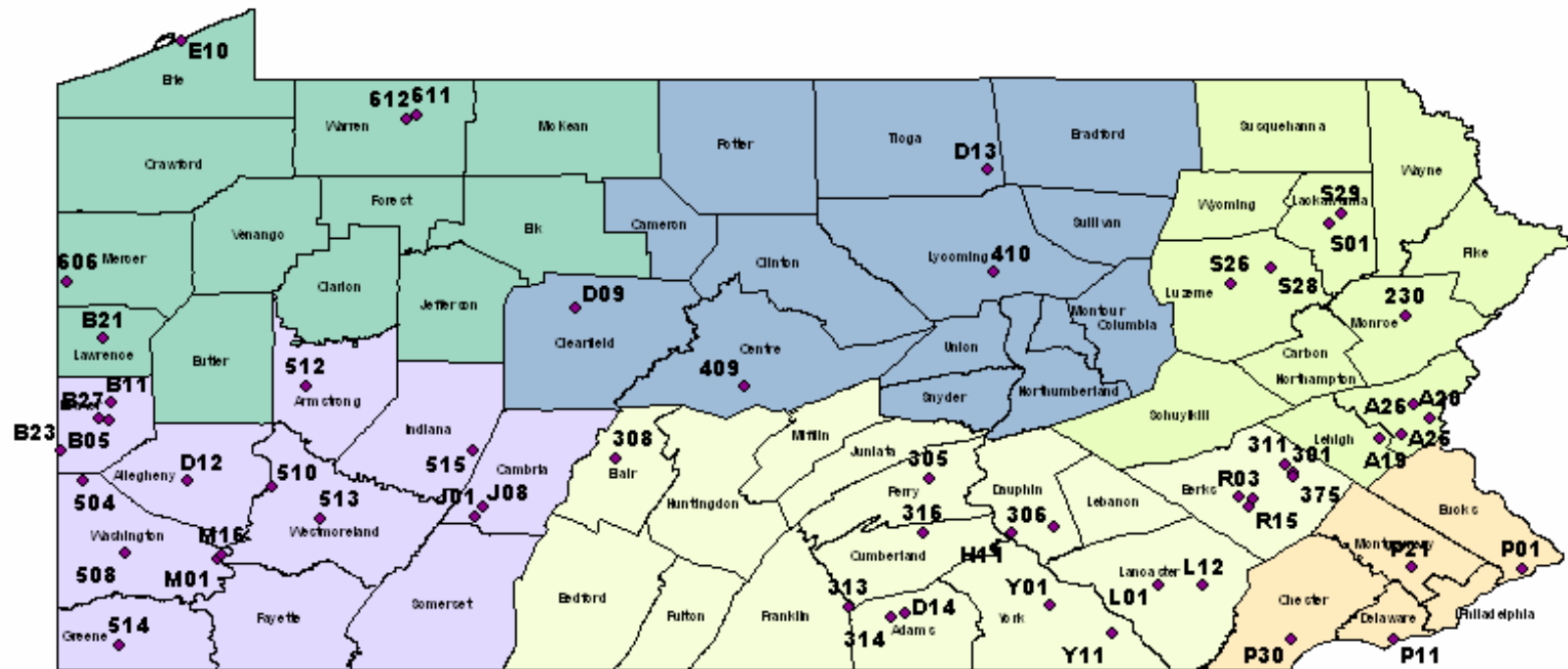
Access the DEP website at <http://www.depweb.state.pa.us/> (DEP

Keyword: Air, Air Pollution, Air Quality, Clean Air).

Appendix A--Monitoring Sites, Equipment, Maps, and Addresses

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Figure A1. Commonwealth of Pennsylvania Air Monitoring Site Map - 2008



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Table A1. Ambient Air Monitoring Equipment for Particulate Sampling

PARAMETER	MANUFACTURER/INSTRUMENT/MODEL	EPA DESIGNATION
PM₁₀		
<i>Discrete</i>	Thermo GMW PM ₁₀ High-Volume Air Sampler - Volumetric http://www.thermo.com/com/cda/product/detail/1,1055,23297,00.html	Manual Reference Method: RFPS-1287-063 52 FR 45684, 12/01/87 53FR 1062, 1/15/88
<i>Continuous</i>	Rupprecht & Patashnick (R&P) Tapered Element Oscillating Microbalance (TEOM) Series 1400 Ambient Particulate Monitor http://www.rpco.com/products/ambprod/amb1400/index.htm	Automated Equivalent Method: EQPM-1090-079 55 FR 43406, 10/29/90
PM_{2.5}		
<i>Discrete</i>	R&P Partisol-Plus Model 2025 Sequential Air Sampler http://www.rpco.com/products/ambprod/amb2025/index.htm	Manual Reference Method: RFPS-0498-118 63 FR 18911, 4/16/98
<i>Continuous</i>	R&P TEOM Series 8500a Filter Dynamics Measurement System (FDMS) and TEOM Series 1400ab http://www.rpco.com/products/ambprod/amb8500/index.htm	
	Met One Instruments Beta-Attenuation Mass (BAM) Model 1020 http://www.metone.com/documents/BAM1020Particulate.pdf	
PM_{2.5} Speciation	Met One Instruments SASS PM _{2.5} Ambient Chemical Speciation Air Sampler http://www.metone.com/documents/SASS0301Particulate.pdf	
TSP	Thermo GMW TSP High Volume Air Sampler – Mass Flow http://www.thermo.com/com/cda/product/detail/1,1055,23329,00.html and Thermo GMW TSP High Volume Air Sampler – Volumetric http://www.thermo.com/com/cda/product/detail/1,1055,23328,00.html	Manual Reference Method 40 CFR Part 50, Appendix B 47 FR 54912, 12/6/82 48 FR 17355, 4/22/83
Pb	Laboratory analysis of TSP filters by Inductively Coupled Argon Plasma-Optical Emission Spectrometry	Manual Equivalent Method EQL-0592-086 57 FR 20823, 5/15/92
SO₄, NO₃	Laboratory analysis of TSP filters by Ion Chromatography	EPA Method 300.0

Table A2. Ambient Air Monitoring Equipment for Continuous Gaseous Sampling

PARAMETER	MANUFACTURER/INSTRUMENT/MODEL	EPA DESIGNATION
SO₂	Teledyne Advanced Pollution Instrumentation Model 100A UV Fluorescence SO ₂ Analyzer http://www.teledyne-api.com/products/100e.asp	Automated Equivalent Method: EQSA-0990-077 55 FR 38149, 9/17/90
NO₂/NO_x	Teledyne Advanced Pollution Instrumentation Model 200A Chemiluminescence Nitrogen Oxides Analyzer for Ambient Concentrations http://www.teledyne-api.com/products/200e.asp	Automated Reference Method: RFNA-0691-082 56 FR 27014, 6/12/91
O₃	Teledyne Advanced Pollution Instrumentation Model 400 Photometric Ozone Analyzer http://www.teledyne-api.com/products/400e.asp	Automated Equivalent Method: EQOA-0992-087 57 FR 44565, 9/28/92 63 FR 31992, 6/11/98 67 FR 57811, 9/12/02
CO	Teledyne Advanced Pollution Instrumentation Model 300 CO Gas Filter Correlation Analyzer http://www.teledyne-api.com/products/300e.asp	Automated Reference Method: RFCA-1093-093 58 FR 58166, 10/29/93

Table A3-1. Southeast Region Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
P01	BRISTOL	42-017-0012	BUCKS	Roosevelt Junior High School Rockview Lane	40.107222 -74.882222
P11	CHESTER	42-045-0002	DELAWARE	Front & Norris Streets	39.835556 -75.3725
P21	NORRISTOWN	42-091-0013	MONTGOMERY	State Armory 1046 Belvoir Road	40.112222 -75.309167
P30	NEW GARDEN (TOUGHKENAMON)	42-029-0100	CHESTER	1235 Newark Road New Garden Airport	39.834461 -75.768242

Table A3-2. Parameters Monitored by Site – Southeast Region Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
P01	BRISTOL	X	X						X	X	X	X
P11	CHESTER	X	X	X	X		X		X	X	X	
P21	NORRISTOWN	X	X						X	X	X	X
P30	NEW GARDEN (TOUGHKENAMON)		X	X							X	

Southeast Region. Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties.

Table A4-1. Allentown - Bethlehem - Easton Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
A19	ALLENTOWN	42-077-0004	LEHIGH	Allentown State Hospital Rear 1600 Hanover Avenue	40.611944 -75.4325
A20	EASTON	42-095-8000	NORTHAMPTON	17 th & Spring Garden Streets	40.692224 -75.237156
A25	FREEMANSBURG	42-095-0025	NORTHAMPTON	Washington & Cambria Streets	40.628056 -75.341111
A26	NAZARETH	42-095-1000	NORTHAMPTON	South Green & Delaware	40.734449 -75.312389

Table A4-2. Parameters Monitored by Site – Allentown - Bethlehem - Easton Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
A19	ALLENTOWN	X							X	X	X	
A20	EASTON								X		X	
A25	FREEMANSBURG	X	X	X					X	X	X	X
A26	NAZARETH	X										

Northeast Region. Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, and Wyoming Counties.

Figure A3. Map of the Allentown - Bethlehem - Easton Air Basin Sites

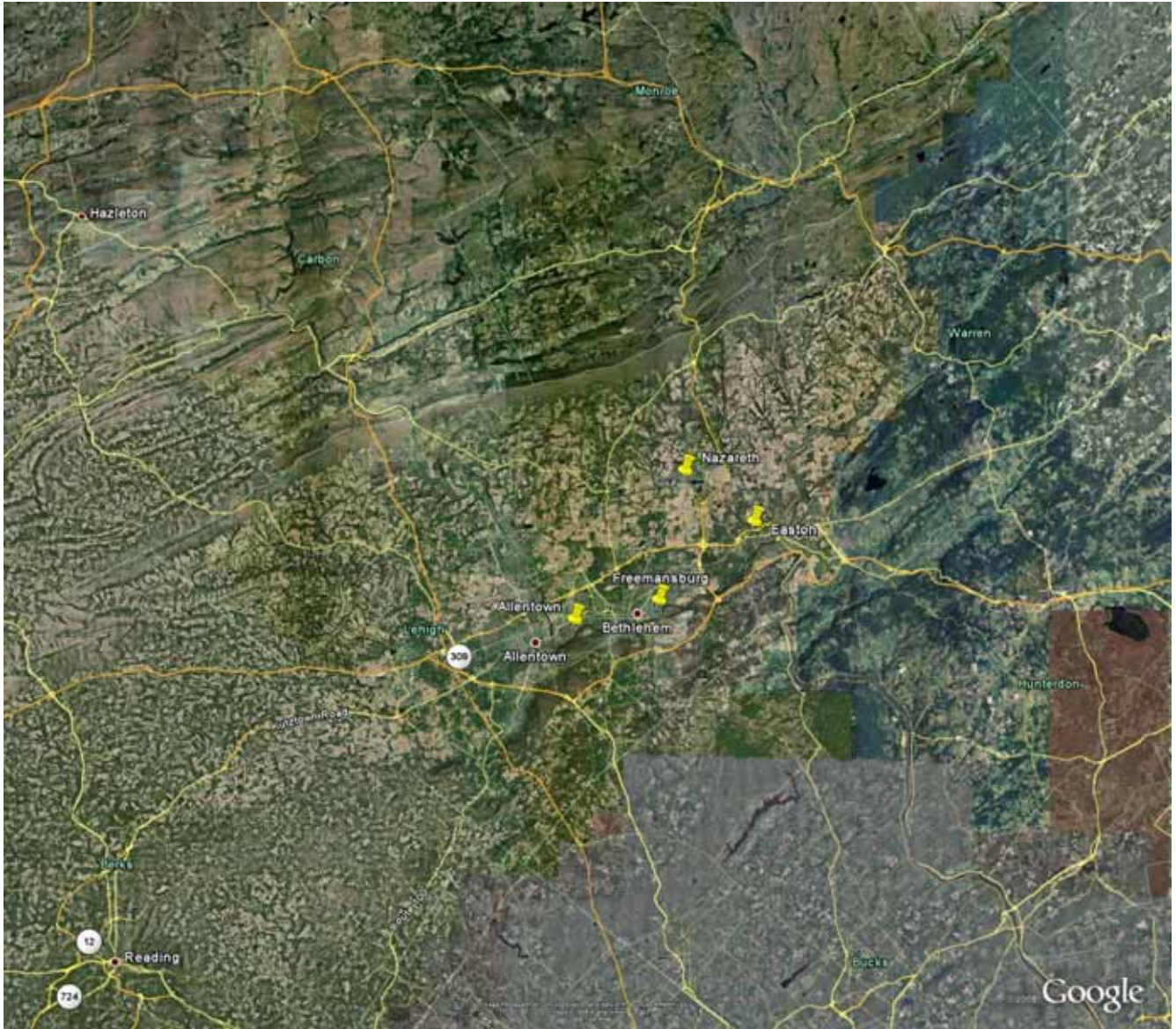


Table A5-1. Scranton - Wilkes-Barre Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
S01	SCRANTON	42-069-2006	LACKAWANNA	Behind Penn State Campus George Street	41.442778 -75.623056
S26	NANTICOKE	42-079-1100	LUZERNE	255 Lower Broadway	41.209167 -76.003333
S28	WILKES-BARRE	42-079-1101	LUZERNE	Chilwick & Washington Streets	41.265556 -75.846389
S29	PECKVILLE	42-069-0101	LACKAWANNA	Pleasant Avenue & Erie Street Wilson Fire Company No. 1	41.479116 -75.578186

Table A5-2. Parameters Monitored by Site – Scranton – Wilkes-Barre Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
S01	SCRANTON	X	X	X					X	X	X	X
S29	PECKVILLE										X	
S26	NANTICOKE										X	
S28	WILKES-BARRE	X							X	X	X	X

Northeast Region. Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, and Wyoming Counties.

Figure A4. Map of the Scranton - Wilkes-Barre Air Basin Sites

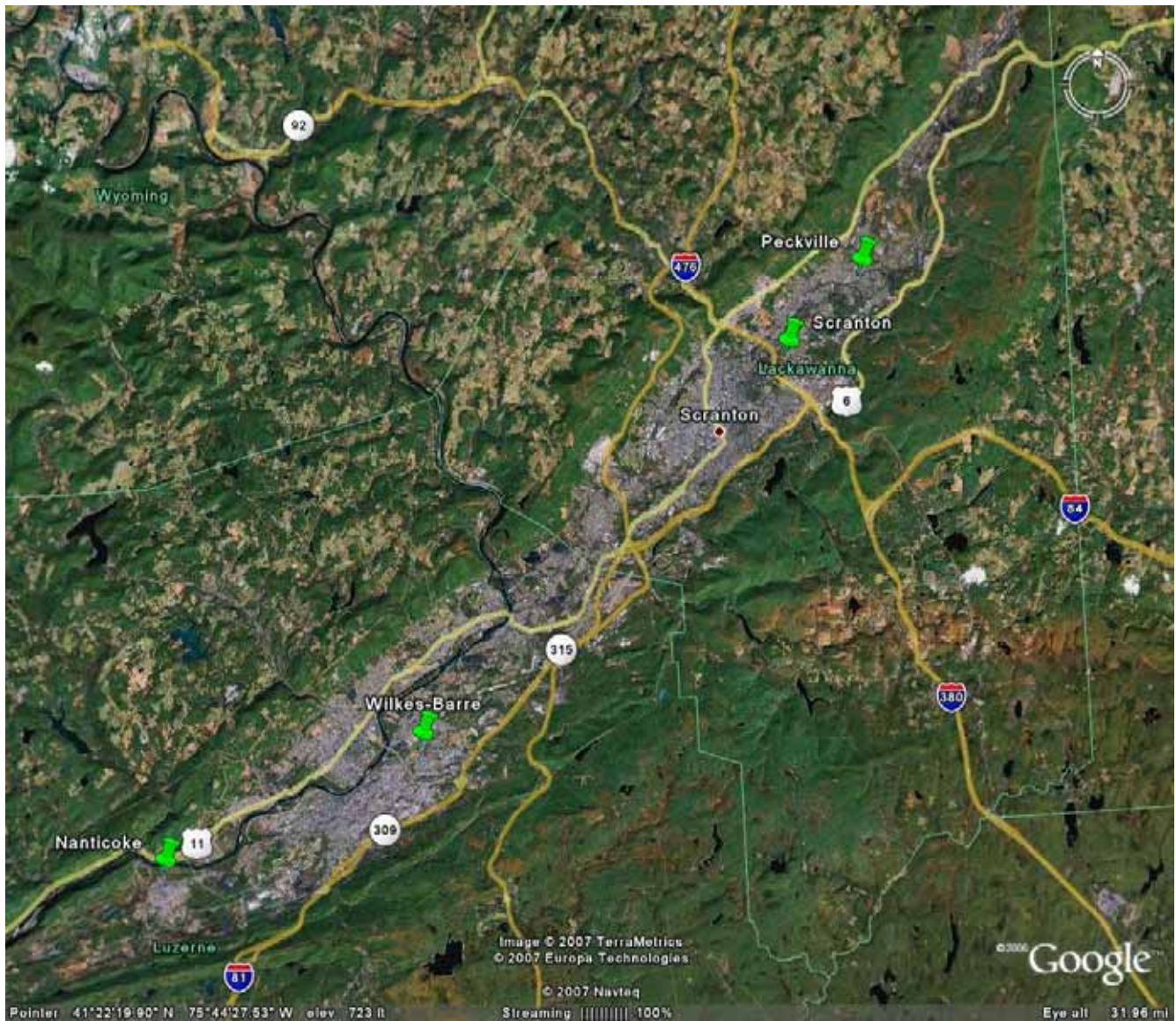


Table A6-1. Northeast Region Non-Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
230	SWIFTWATER/ POCONO	42-089-0002	MONROE	Pocono State Forestry Office Near Rt. 611 & Brookdale Road	41.083060 -75.323280

Table A6-2. Parameters Monitored by Site – Northeast Region Non-Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
230	SWIFTWATER/ POCONO										X	

Northeast Region. Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, and Wyoming Counties.

Figure A5. Map of Northeast Region Non-Air Basin Sites

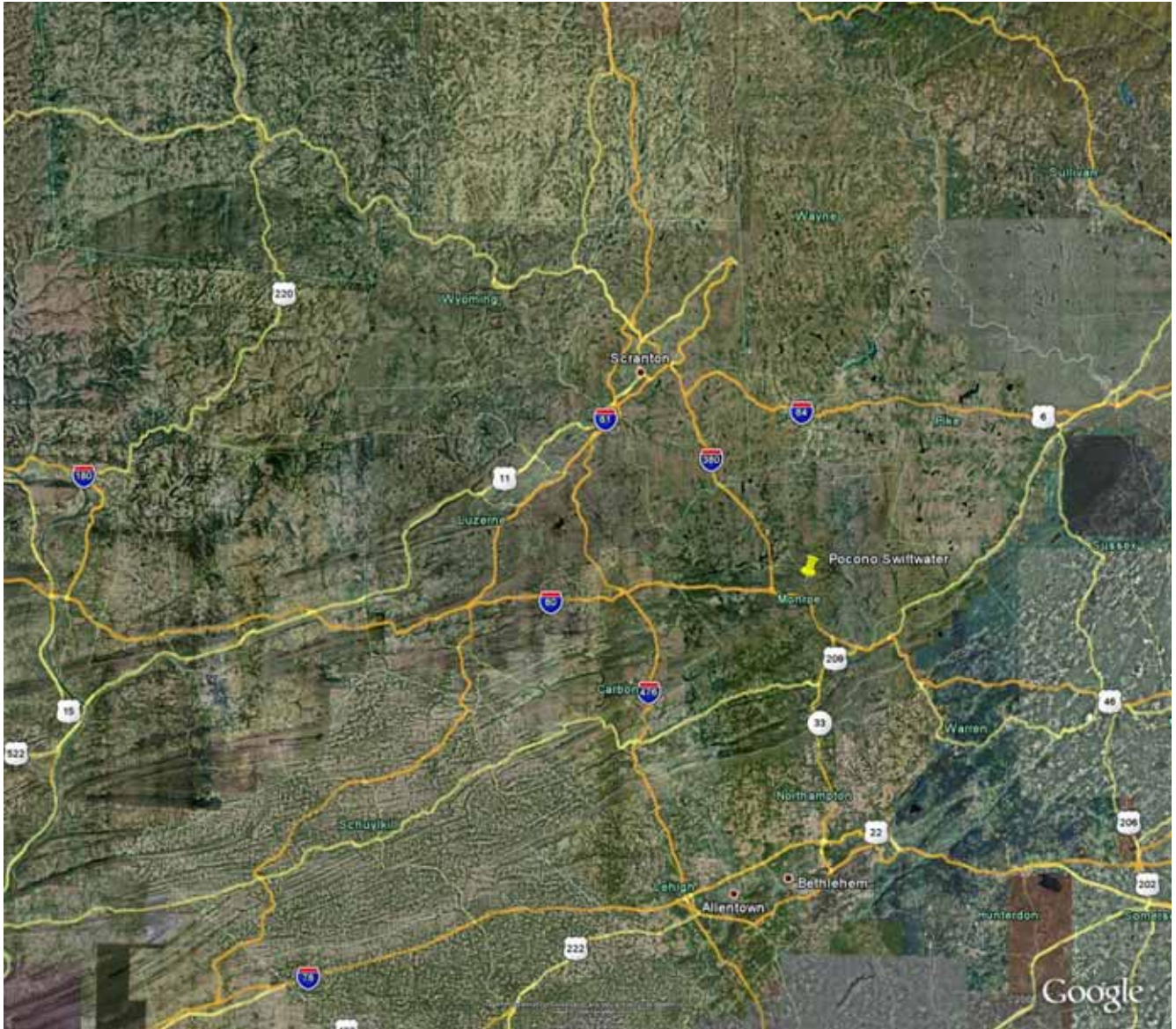


Table A7-1. Reading Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
R03	READING AIRPORT	42-011-0011	BERKS	Reading Airport 1059 Arnold Road	40.383350 -75.968600
R10	LAURELDALE	42-011-1717	BERKS	Muhlenberg Township Authority Spring Valley Road Substation	40.377222 -75.914444
R15	READING PM10	42-011-0015	BERKS	Northwest Junior High School North Front and West Spring Streets	40.350833 -75.935278

Table A7-2. Parameters Monitored by Site – Reading Air Basin

PA SITE CODE	SITE NAME	PM-10	PM-2.5	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
R03	READING AIRPORT	X	X	X					X	X	X	X
R10	LAURELDALE				X	X	X	X				
R15	READING PM10	X										

Southcentral Region. Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York Counties.

Figure A6. Map of the Reading Air Basin Sites

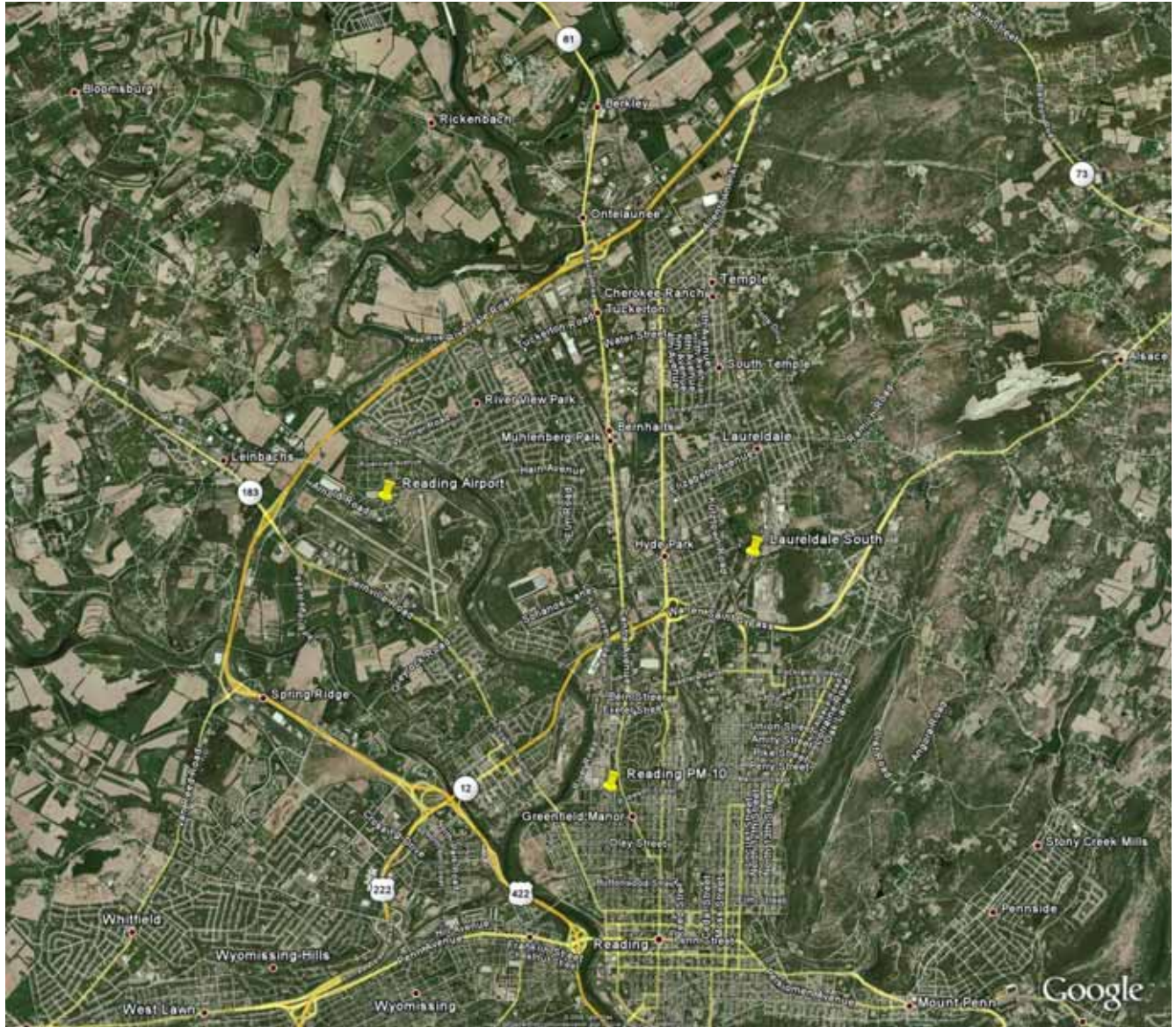


Table A8-1. Lancaster Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
L01	LANCASTER	42-071-0007	LANCASTER	Lincoln Junior High School	40.046667 -76.283333
L12	LANCASTER DOWNWIND	42-071-0012	LANCASTER	3545 W. Newport Road	40.043833 -76.1124

Table A8-2. Parameters Monitored by Site – Lancaster Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
L01	LANCASTER	X	X	X					X	X	X	X
L12	LANCASTER DOWNWIND										X	

Southcentral Region. Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York Counties.

Figure A7. Map of the Lancaster Air Basin Sites

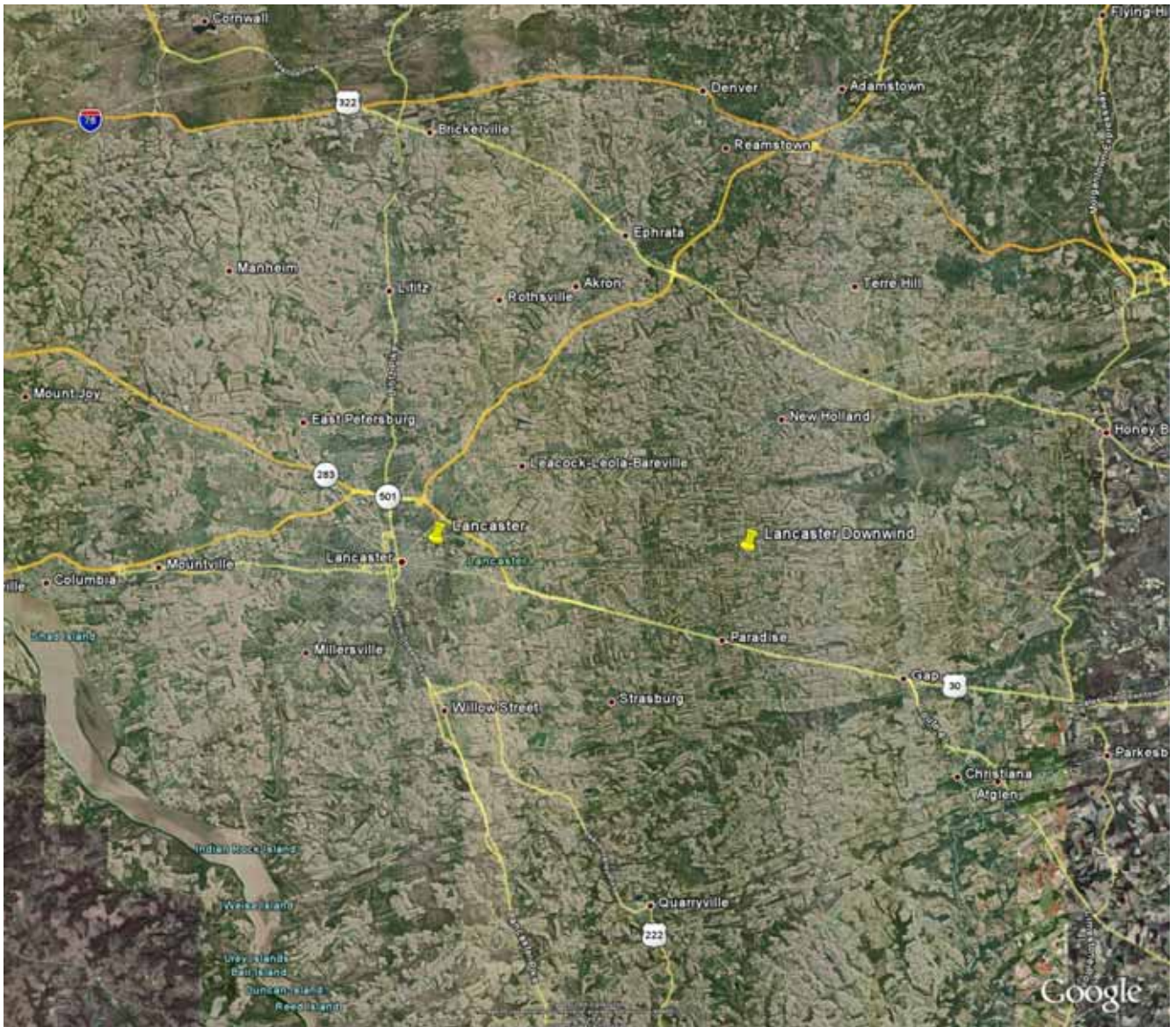


Table A9-1. Harrisburg Air Basin Site Location

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
H11	HARRISBURG	42-043-0401	DAUPHIN	1833 UPS Drive	40.2450 -76.844722

Table A9-2. Parameters Monitored by Site – Harrisburg Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
H11	HARRISBURG	X	X	X					X	X	X	X

Southcentral Region. Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York Counties.

Figure A8. Map of the Harrisburg Air Basin Site



Table A10-1. York Air Basin Site Location

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
Y01	YORK	42-133-0008	YORK	Davis Junior High School Hill Street	39.965278 -76.699444
Y11	YORK DOWNWIND	42-133-0011	YORK	2650 Delta Road – Brogue	39.860970 -76.462055

Table A10-2. Parameters Monitored by Site – York Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
Y01	YORK	X	X	X					X	X	X	X
Y11	YORK DOWNWIND										X	

Southcentral Region. Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York Counties.

Figure A9. Map of the York Air Basin Site



Table A11-1. Southcentral Region Non-Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
301	LYONS EAST	42-011-0717	BERKS	Near State & Kemp Streets	40.476667 -75.759167
305	PERRY COUNTY	42-099-0301	PERRY	Little Buffalo State Park – Route 34	40.456944 -77.165556
306	HERSHEY	42-043-1100	DAUPHIN	Hershey Foods Technical Center Sipe Avenue & Mae Street	40.272222 -76.681389
308	ALTOONA	42-013-0801	BLAIR	Ward Trucking Corporation Second Avenue & Seventh Street	40.535278 -78.370833
311	KUTZTOWN	42-011-0006	BERKS	Kutztown University	40.514080 -75.789721
313	METHODIST HILL	42-055-0001	FRANKLIN	Forest Road and Ridge Road (High Elevation Site)	39.961111 -77.475556
314	ARENDTSVILLE	42-001-0001	ADAMS	Penn State Research Orchard (NARSTO Site)	39.920020 -77.309680
D14	BIGLERVILLE	42-001-0002	ADAMS	University Drive Penn State Research Orchard	39.930 -77.250
316	CARLISLE	42-041-0101	CUMBERLAND	Imperial Court	40.246528 -77.186750
317	CARLISLE WEST	Special Study	CUMBERLAND	Walnut Street	40.193889 -77.212222
375	LYONS SOUTH	42-011-0005	BERKS	Heffner & Dryville Roads	40.466300 -75.758900

Table A11-2. Parameters Monitored by Site – Southcentral Region Non-Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
301	LYONS EAST				X		X					
311	KUTZTOWN										X	
375	LYONS SOUTH				X		X					
305	PERRY COUNTY								X	X	X	
316	CARLISLE		X									
317	CARLISLE WEST		X									
306	HERSHEY										X	
313	METHODIST HILL										X	
314	ARENDTSVILLE		X	X						X	Narsto	X
D14	BIGLERVILLE										X	
308	ALTOONA	X							X	X	X	X

Southcentral Region. Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York Counties.

Figure A10. Map of the Southcentral Region Non-Air Basin Sites

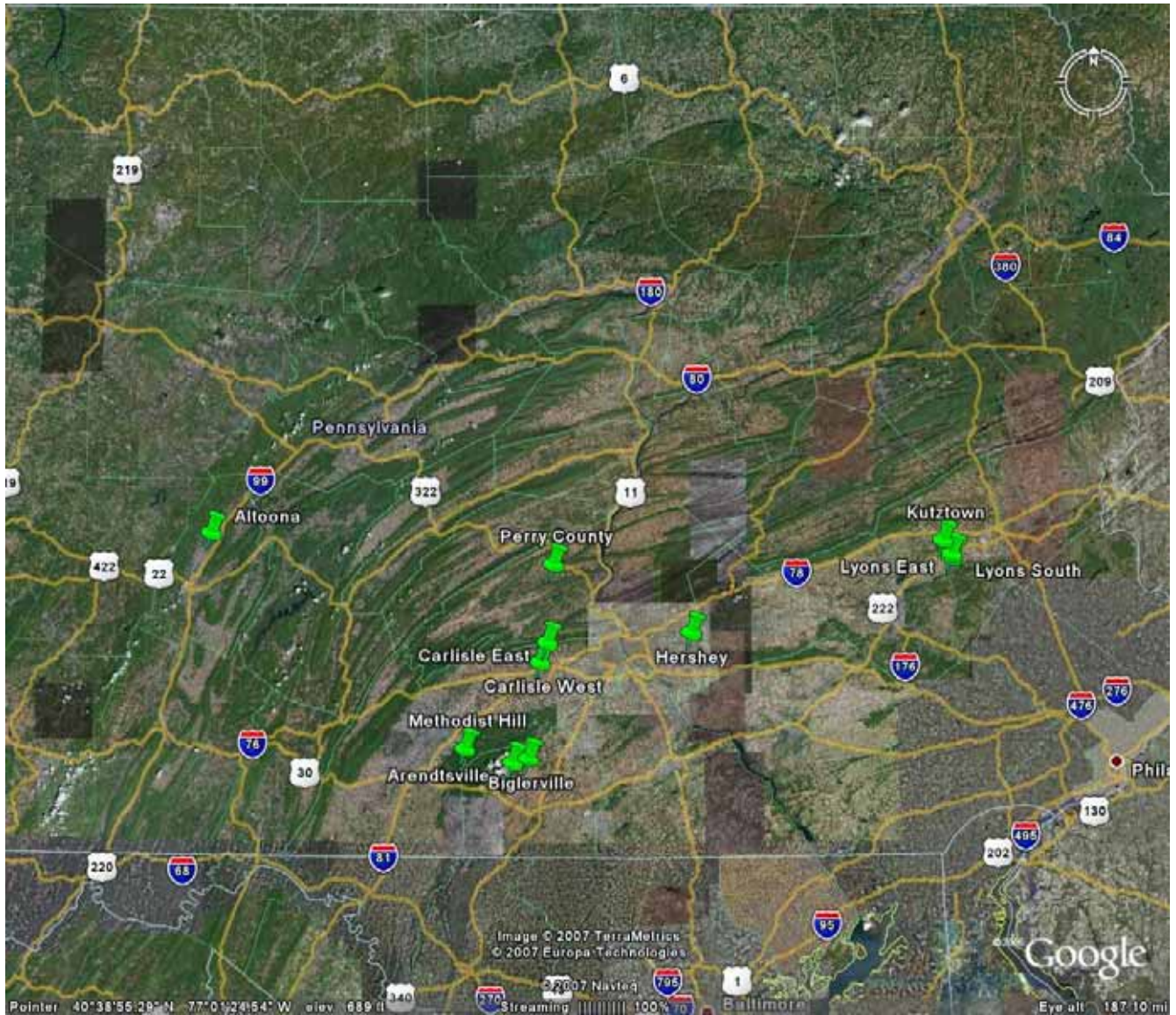


Table A12-1. Northcentral Region Non-Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
410	MONTOURSVILLE	42-081-0100	LYCOMING	899 Cherry Street Rear Parking Lot of PA State Police	41.25080 -76.92380
409	STATE COLLEGE	42-027-0100	CENTRE	Pennsylvania State University West of Big Hollow Road State College	40.811389 -77.877028
D09	MOSHANNON	42-033-4000	CLEARFIELD	Moshannon State Forest Elliott State Park North of Cessna	41.11750 -78.526194
D13	TIOGA COUNTY	42-117-4000	TIOGA	North of Gleason	41.644722 -76.939167

Table A12-2. Parameters Monitored by Site – Northcentral Region Non-Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
410	MONTOURSVILLE	X							X		X	
409	STATE COLLEGE		X	X					X	X	X	
D09	MOSHANNON										X	
D13	TIOGA COUNTY										X	

Northcentral Region. Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, and Union Counties.

Figure A11. Map of the Northcentral Region Non-Air Basin Sites

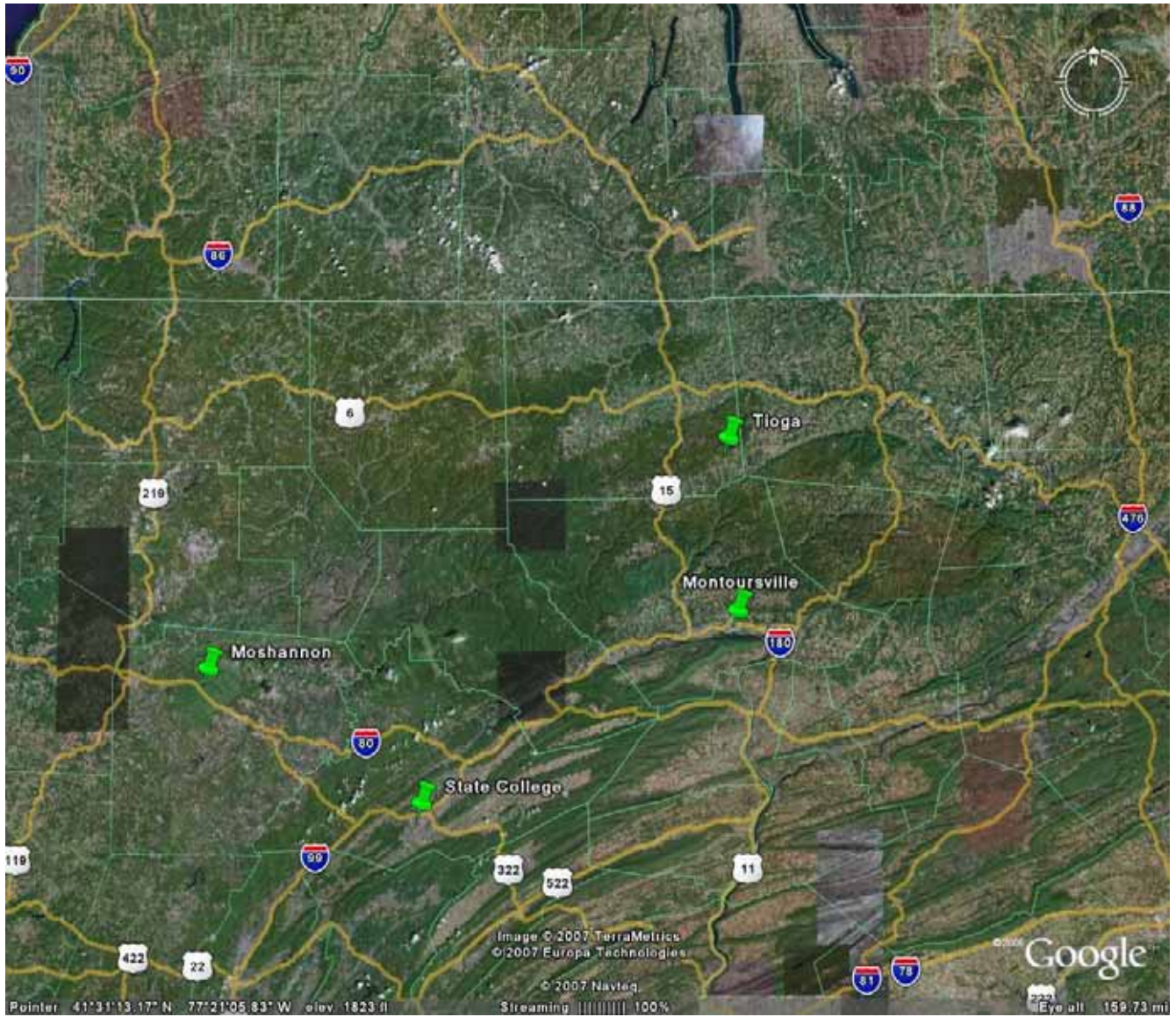


Table A13-1. Johnstown Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
J01	JOHNSTOWN	42-021-0011	CAMBRIA	Miller Auto Body Crafts Shop One Messenger Street	40.309722 -78.91500
J08	EAST CONEMAUGH	42-021-0808	CAMBRIA	Recreation Field Citron Alley & First Street	40.348056 -78.882778

Table A13-2. Parameters Monitored by Site – Johnstown Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
J01	JOHNSTOWN	X	X						X	X	X	X
J08	EAST CONEMAUGH				X	X	X	X				

Southwest Region. Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, and Westmoreland Counties.

Figure A12. Map of the Johnstown Air Basin Sites

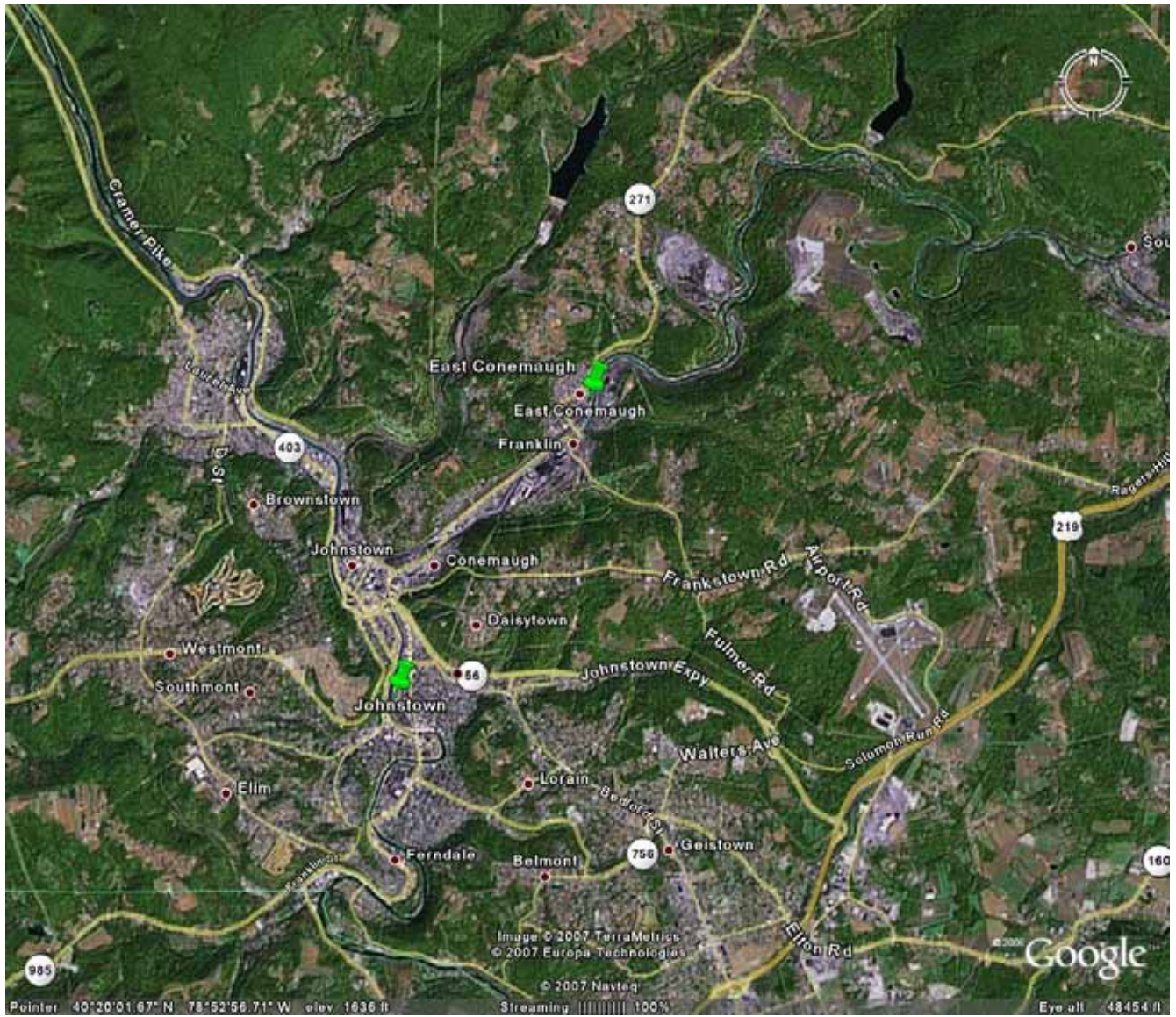


Table A14-1. Monongahela Valley Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
M01	CHARLEROI	42-125-0005	WASHINGTON	Borough Waste Treatment Plant Front Street	40.146667 -79.902222
M16	MONESSEN	42-129-0007	WESTMORELAND	Monessen Community Center 435 Donner Avenue	40.161777 -79.884666

Table A14-2. Parameters Monitored by Site – Monongahela Valley Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
M01	CHARLEROI	X	X						X	X	X	X
M16	MONESSEN	X			X	X	X	X				

Southwest Region. Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, and Westmoreland Counties.

Figure A13. Map of the Monongahela Valley Air Basin Sites

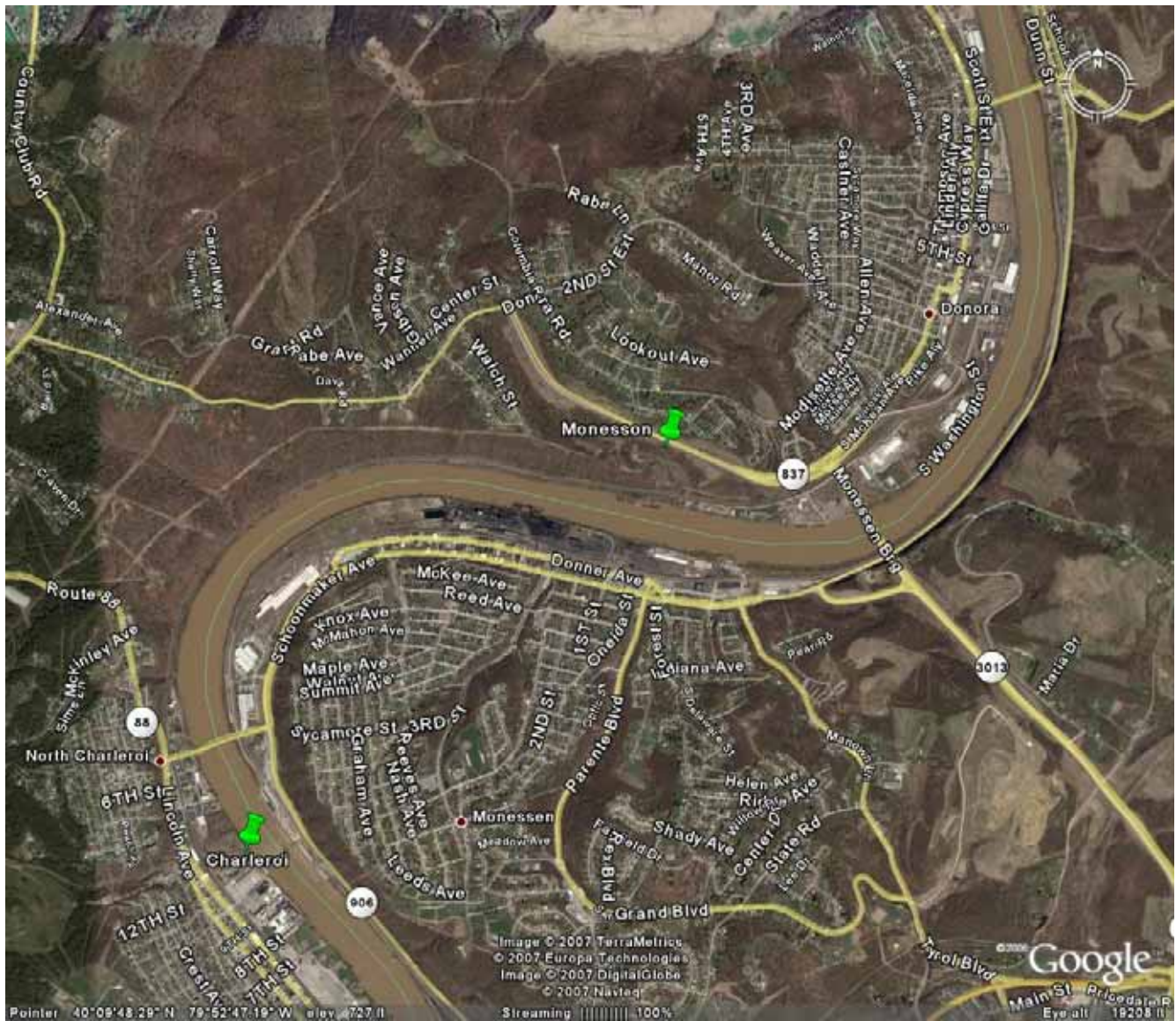


Table A15-1. Lower Beaver Valley Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
B05	VANPORT	42-007-0505	BEAVER	Vanport Water Works Tamaqui Drive	40.685019 -80.324775
B11	BEAVER FALLS	42-007-0014	BEAVER	Eighth Street & River Alley	40.747796 -80.316442
B23	HOOKSTOWN	42-007-0002	BEAVER	FAA Microwave Relay Tower Route 168 & Tomlinson Road	40.562520 -80.503948
B27	BRIGHTON TOWNSHIP	42-007-0005	BEAVER	1015 Sebring Road	40.684722 -80.359722

Table A15-2. Parameters Monitored by Site – Lower Beaver Valley Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
B05	VANPORT				X		X					
B11	BEAVER FALLS	X	X						X	X	X	X
B23	HOOKSTOWN								X		X	
B27	BRIGHTON TOWNSHIP								X		X	

Southwest Region. Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, and Westmoreland Counties.

Figure A14. Map of the Lower Beaver Valley Air Basin Sites

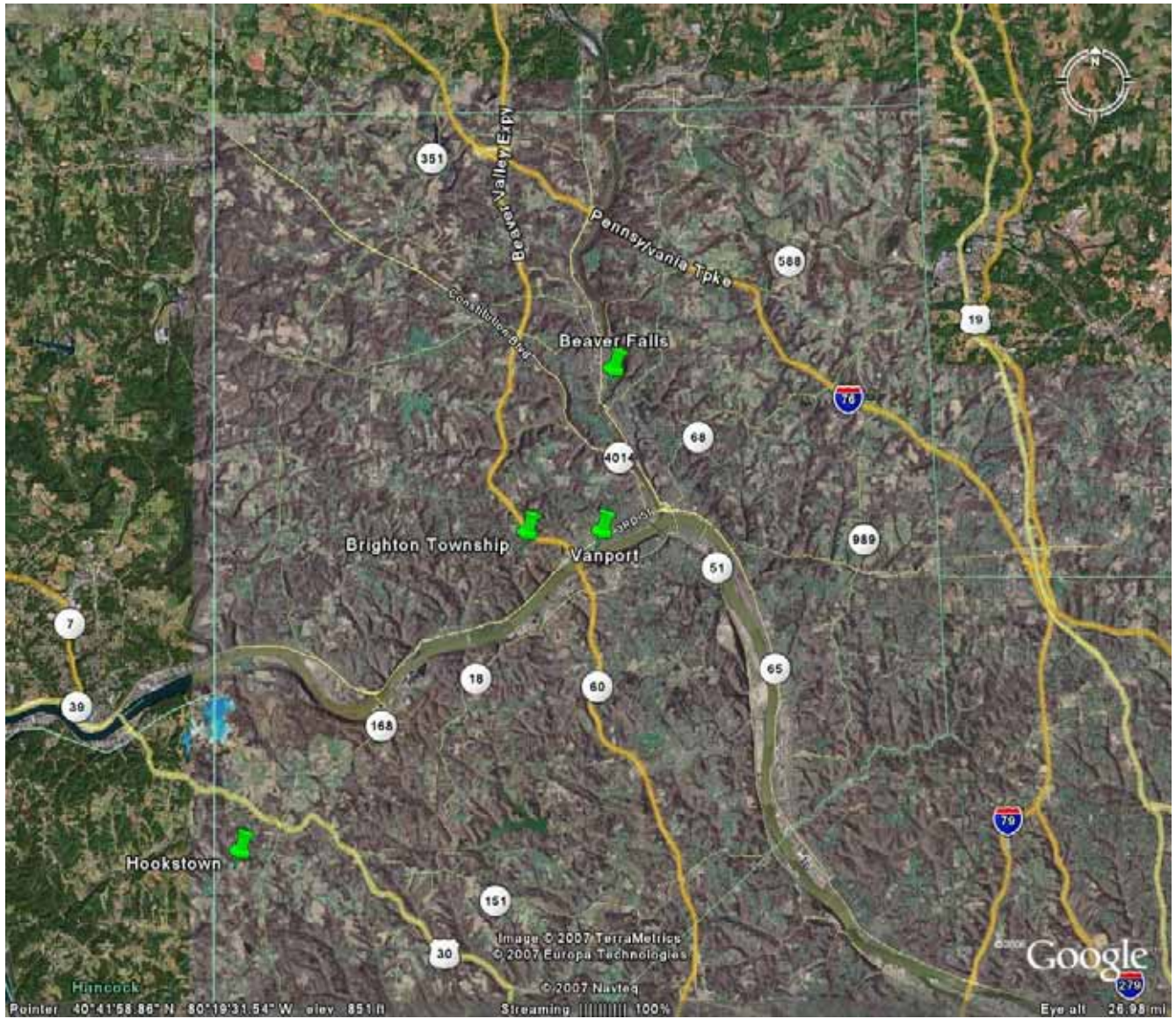


Table A16-1. Allegheny County Air Basin Site Location

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
D12	PITTSBURGH	42-003-0010	ALLEGHENY	Carnegie Science Center 1 Allegheny Road	40.445577 -80.016155

Table A16-2. Parameters Monitored by Site – Allegheny County Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
D12	PITTSBURGH							X	X	X	X

Southwest Region. Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, and Westmoreland Counties.

Figure A15. Map of the Allegheny County Air Basin Site

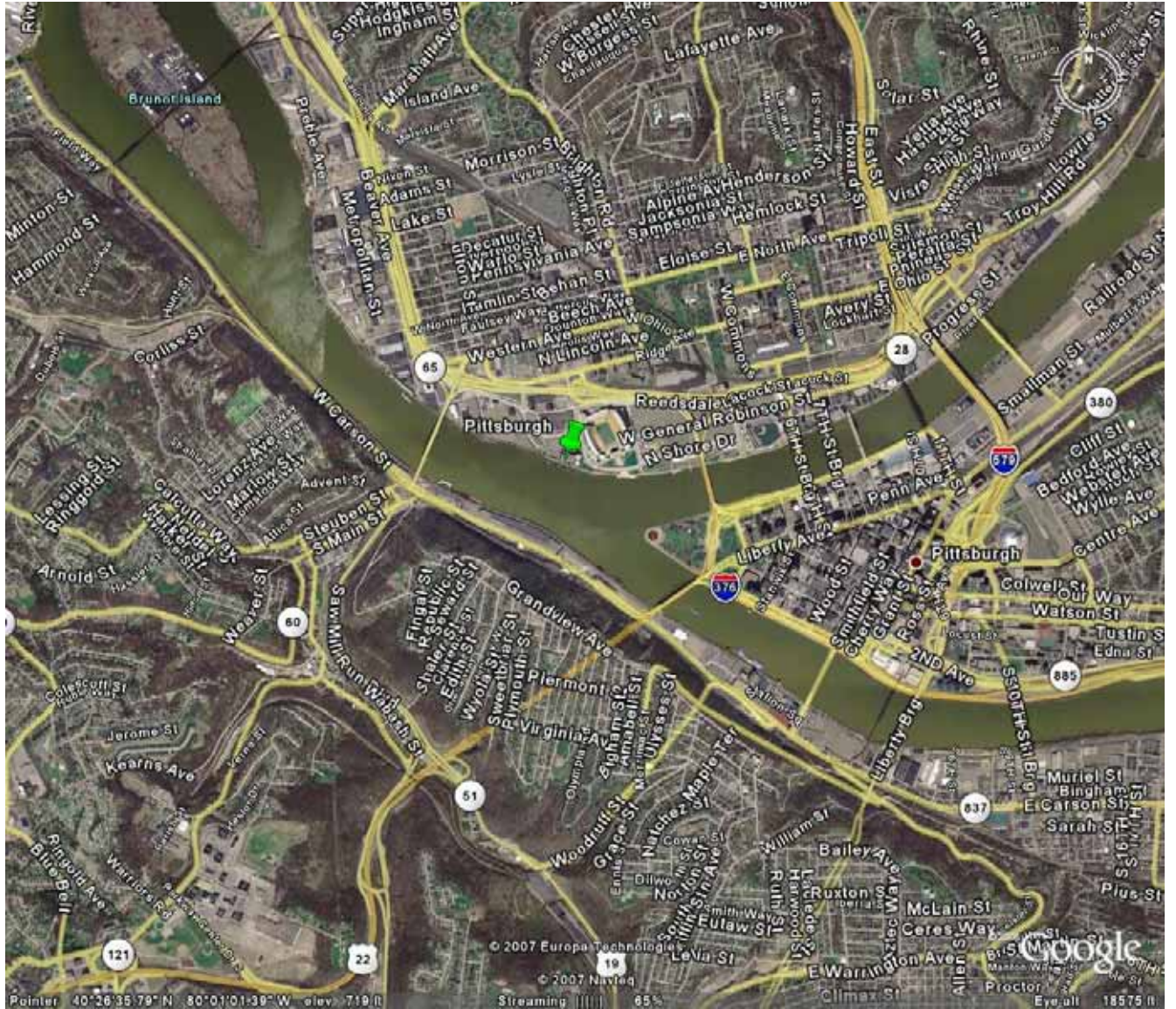


Table A17-1. Southwest Region Non-Air Basin Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
504	FLORENCE	42-125-5001	WASHINGTON	Hillman State Park Kings Creek Road	40.445278 -80.420833
508	WASHINGTON	42-125-0200	WASHINGTON	McCarrell & Fayette Streets	40.170556 -80.261389
510	MURRYSVILLE	42-129-0006	WESTMORELAND	Murrysville Volunteer Fire Co. Old William Penn Hwy & Sardis Ave.	40.428076 -79.692811
512	KITTANNING	42-005-0001	ARMSTRONG	Glade Drive & Nolte Road PA State Police Barracks	40.814183 -79.564750
513	GREENSBURG	42-129-0008	WESTMORELAND	Donohue Road PA Dept. of Transportation Bldg.	40.304694 -79.505667
514	HOLBROOK	42-059-0002	GREENE	Field 5 km southeast of Holbrook	39.816222 -80.284917
515	STRONGSTOWN	42-063-0004	INDIANA	Rte. 403 PA Dept. of Transportation Bldg.	40.563330 -78.919972

Table A17-2. Parameters Monitored by Site – Southwest Region Non-Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
504	FLORENCE	X	X	X					X	X	X	
508	WASHINGTON		X						X	X	X	
510	MURRYSVILLE									X	X	
512	KITTANNING		X								X	
513	GREENSBURG	X	X	X					X	X	X	X
514	HOLBROOK								X		X	X
515	STRONGSTOWN								X	X	X	

Southwest Region. Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, and Westmoreland Counties.

Figure A16. Map of the Southwest Region Non-Air Basin Sites

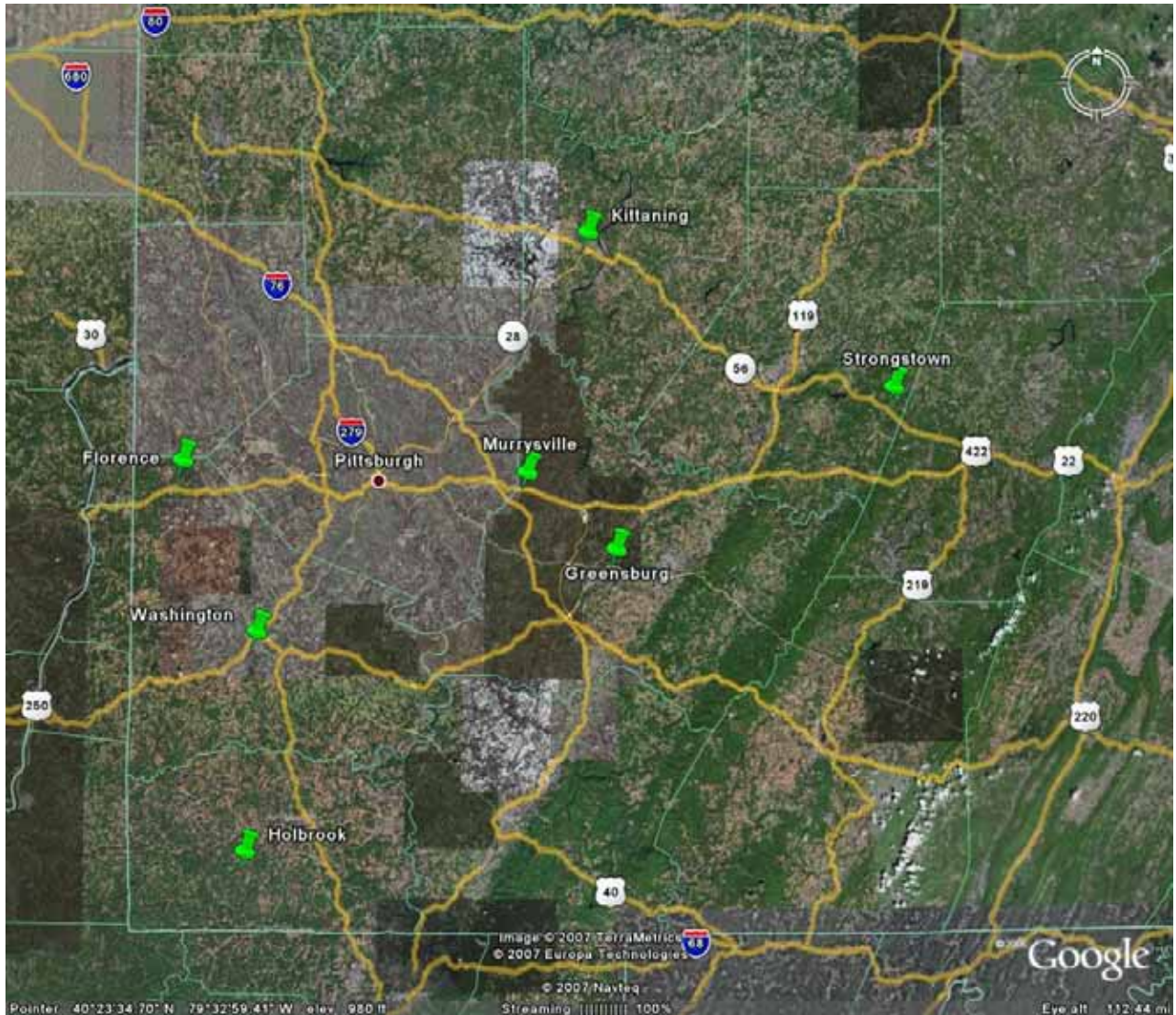


Table A18-1. Upper Beaver Valley Air Basin Site Location

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
B21	NEW CASTLE	42-073-0015	LAWRENCE	Croton Avenue & Jefferson Street	40.995848 -80.346442

Table A18-2. Parameters Monitored by Site – Upper Beaver Valley Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
B21	NEW CASTLE	X							X	X	X	X

Southwest Region. Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, and Westmoreland Counties.

Figure A17. Map of the Upper Beaver Valley Air Basin Sites

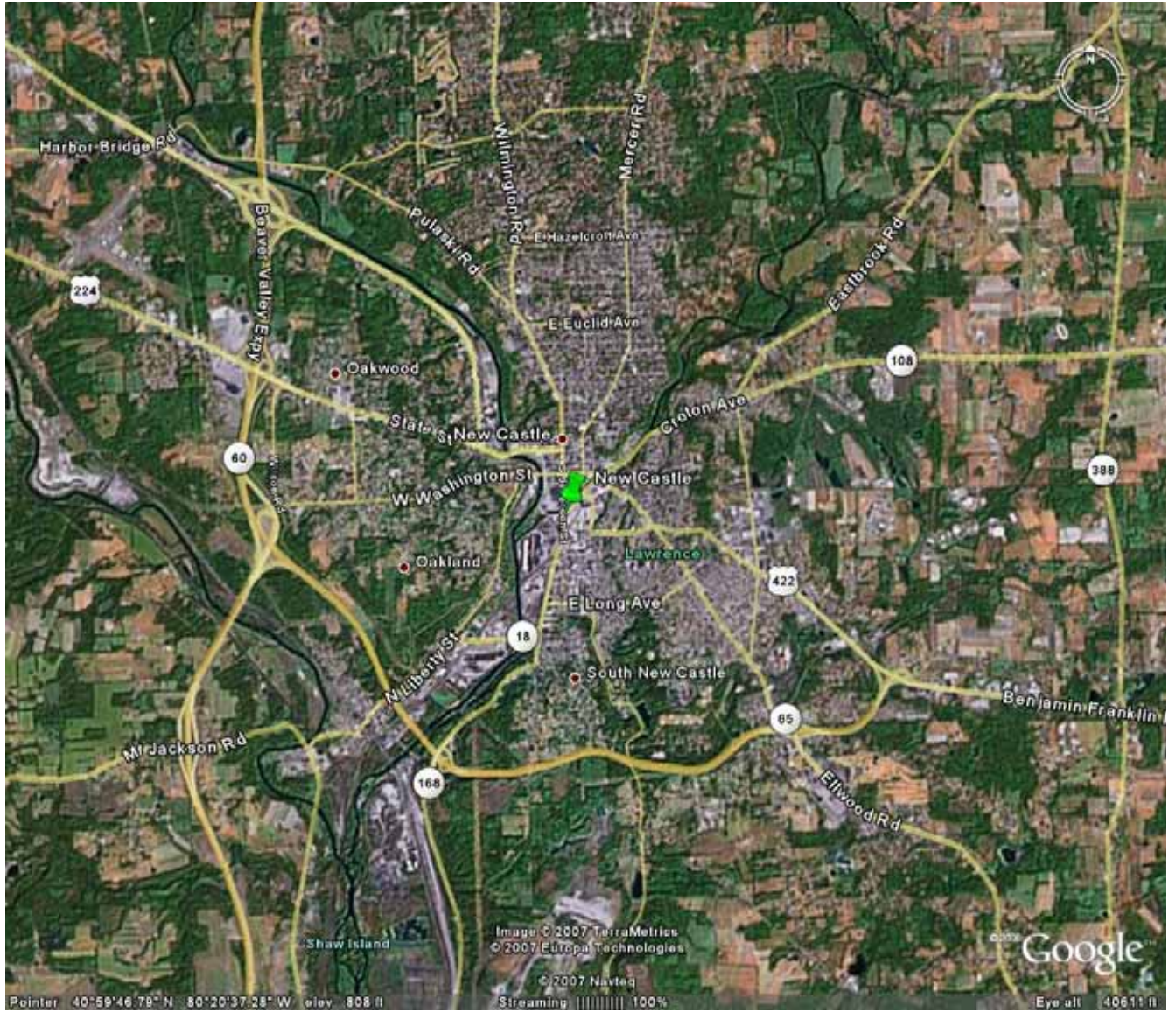


Table A19-1. Erie Air Basin Site Location

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
E10	ERIE	42-049-0003	ERIE	East 10th & Marne Streets	42.141750 -80.038611

Table A19-2. Parameters Monitored by Site – Erie Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
E10	ERIE	X	X	X					X	X	X	

Northwest Region. Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango, and Warren Counties.

Figure A18. Map of the Erie Air Basin Site



Table A20-1. Northwest Region Non-Air Basin Sites

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
606	FARRELL	42-085-0100	MERCER	Farrell High School Field New Castle Road & Mercer Avenue	41.215014 -80.484779
611	WARREN	42-123-0003	WARREN	School District Building 345 East 5th Avenue	41.857222 -79.137500
612	WARREN (OVERLOOK)	42-123-0004	WARREN	Overlook Site near Stone Hill Road	41.844722 -79.169722

Table A20-2. Parameters Monitored by Site – Northwest Region Non-Air Basin

PA SITE CODE	SITE NAME	PM ₁₀	PM _{2.5}	PM _{2.5} SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
606	FARRELL		X						X		X	
611	WARREN								X			
612	WARREN (OVERLOOK)								X			

Northwest Region. Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango, and Warren Counties.

Figure A19. Map of Northwest Region Non-Air Basin Sites

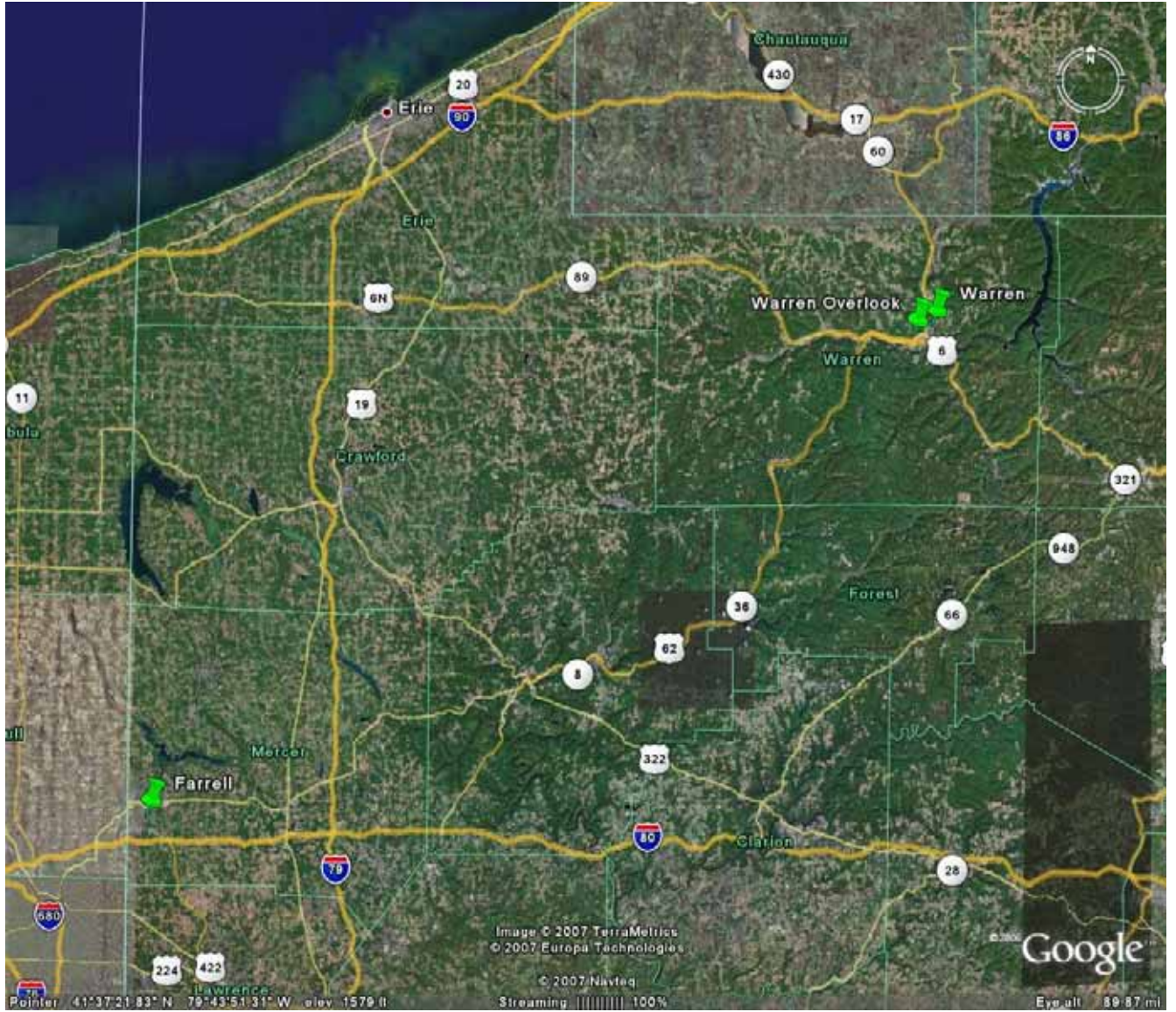
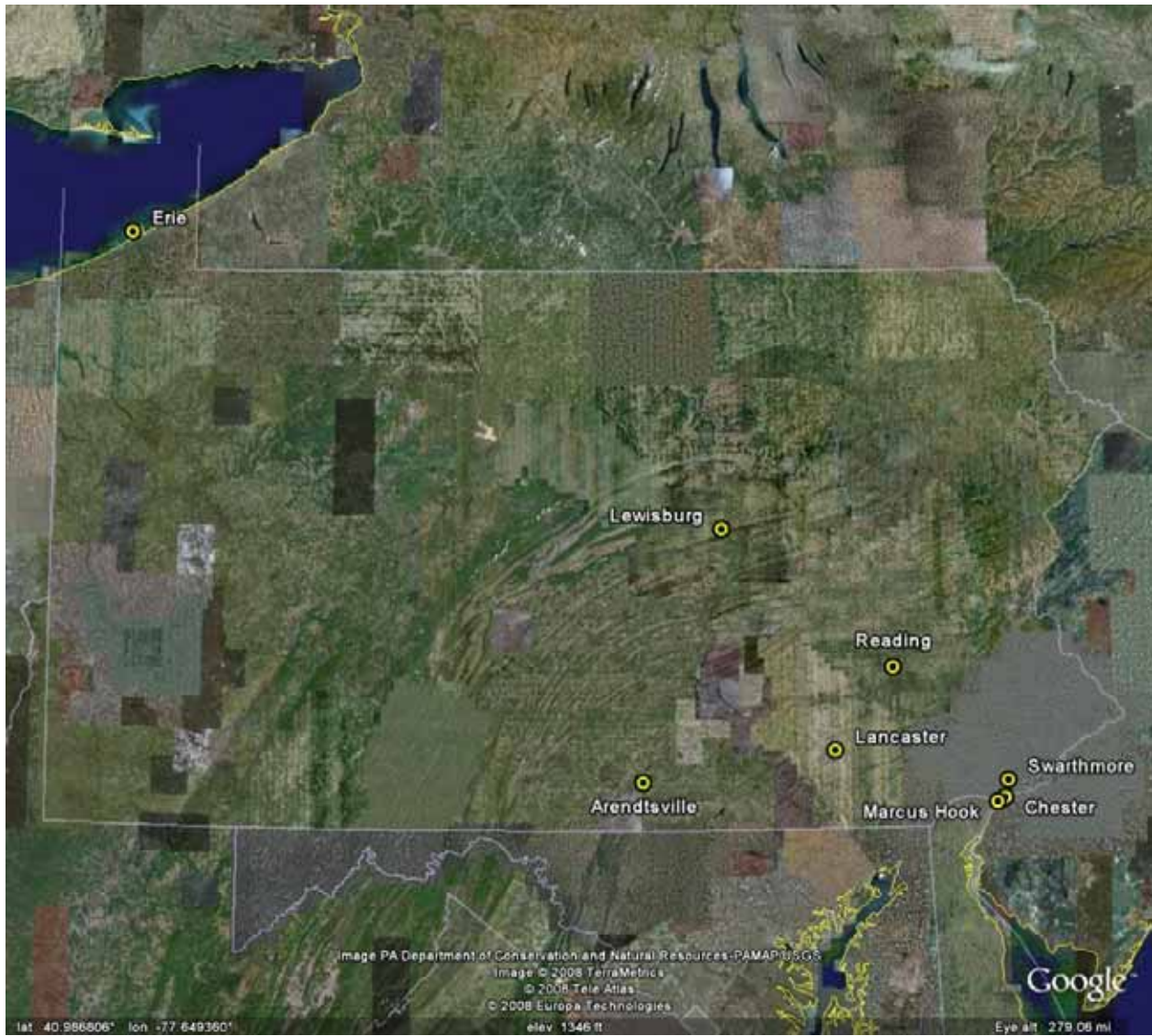


Table A21. Air Toxics Monitoring Sites and Parameters Measured in Pennsylvania

SITE NAME	COUNTY	EPA-AIRS SITE CODE	LATITUDE LONGITUDE	VOCs	Carbonyl	TSP/Metals	Mercury
CHESTER	DELAWARE	42-045-0002	39.8356 -75.3728	X		X	
MARCUS HOOK	DELAWARE	42-045-0109	39.8178 -75.4142	X		X	
SWARTHMORE	DELAWARE		39.8969 -75.3539	X		X	
ARENDSVILLE	ADAMS	42-001-0001	39.9236 -77.3081	X	X		
LANCASTER	LANCASTER	42-071-0007	40.0469 -76.2833	X	X	X	X
READING	BERKS	42-011-0011	40.3835 -75.9686	X		X	
LEWISBURG	UNION		40.9552 -76.8819	X	X	X	
ERIE	ERIE		42.1620 -80.1133	X		X	

Figure A20. Map of Air Toxics Sites in Pennsylvania



Appendix B — Site Monitoring Descriptions

Appendix B

Pennsylvania Monitoring Network Plan

SITE NAME:	ALLENTOWN	AIRS Site ID:	420770004
COUNTY:	LEHIGH	LATITUDE:	40.61194
MUNICIPALITY:	ALLENTOWN	LONGITUDE:	-75.4326
MSA:	ALLENTOWN-BETHLEHEM-EASTON	ADDRESS:	STATE HOSPITAL REAR 1600 HANOVER AVE

Sensor Type:	Nitrogen Dioxide	Appendix C Monitoring Method:	RFNA-1194-099
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Chemiluminescence
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

*The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	ALTOONA	AIRS Site ID:	420130801
COUNTY:	BLAIR	LATITUDE:	40.53563
MUNICIPALITY:	ALTOONA	LONGITUDE:	-78.3703
MSA:	ALTOONA	ADDRESS:	2ND AVE & 7TH ST

Sensor Type:	Carbon Monoxide	Appendix C Monitoring Method:	RFCA-1093-093
Sensor Network Designation:	SPM	Monitoring Method Description:	Non-dispersive Infrared
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Nitrogen Dioxide	Appendix C Monitoring Method:	RFNA-1194-099
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Chemiluminescence
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	ARENDSVILLE	AIRS Site ID:	420010001
COUNTY:	ADAMS	LATITUDE:	39.92330
MUNICIPALITY:	ARENDSVILLE	LONGITUDE:	-77.3081
MSA:	NOT IN A MSA	ADDRESS:	NARSTO SITE - ARENDSVILLE

Sensor Type:	Carbon Monoxide	Appendix C Monitoring Method:	RFCA-1093-093
Sensor Network Designation:	SPM	Monitoring Method Description:	Non-dispersive Infrared
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	General/Background
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Nitrogen Dioxide	Appendix C Monitoring Method:	RFNA-1194-099
Sensor Network Designation:	SPM	Monitoring Method Description:	Chemiluminescence
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	General/Background
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	PAMS	Appendix C Monitoring Method:	None
Sensor Network Designation:	PAMS	Monitoring Method Description:	PE 8700;Auto GC;Subambient-dual FID
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	General/Background
Appendix C Monitoring Classification:	GC_FID	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: General/Background
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Daily
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Reference Method

Appendix C Monitoring Method: RFPS-0498-118
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: General/Background
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: General/Background
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	BEAVER FALLS	AIRS Site ID:	420070014
COUNTY:	BEAVER	LATITUDE:	40.74780
MUNICIPALITY:	BEAVER FALLS	LONGITUDE:	-80.3157
MSA:	PITTSBURGH	ADDRESS:	EIGHT STREET AND RIVER ALLEY

Sensor Type: Carbon Monoxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFCA-1093-093

Monitoring Method Description: Non-dispersive Infrared

Appendix D Design Criteria*: Yes

Appendix D Scale: Urban Scale

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFNA-1194-099

Monitoring Method Description: Chemiluminescence

Appendix D Design Criteria*: Yes

Appendix D Scale: Urban Scale

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQOA-0992-087

Monitoring Method Description: UV Absorption

Appendix D Design Criteria*: Yes

Appendix D Scale: Urban Scale

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: FDMS

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Every 3rd day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Equivalent Method

Appendix C Monitoring Method: EQPM-0202-145
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	BIGLERVILLE (PSU)	AIRS Site ID:	420010002
COUNTY:	ADAMS	LATITUDE:	39.93497
MUNICIPALITY:	BIGLERVILLE	LONGITUDE:	-77.2528
MSA:	NOT IN A MSA	ADDRESS:	UNIVERSITY DRIVE- PENN STATE RESEACH ORCHART

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SPM	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Regional Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	General/Background
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	BRIGHTON TWP	AIRS Site ID:	420070005
COUNTY:	BEAVER	LATITUDE:	40.68547
MUNICIPALITY:	BRIGHTON TWP	LONGITUDE:	-80.3605
MSA:	PITTSBURGH	ADDRESS:	1015 SEBRING ROAD

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Sulfur Dioxide	Appendix C Monitoring Method:	EQSA-0495-100
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Fluorescence
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	BRISTOL	AIRS Site ID:	420170012
COUNTY:	BUCKS	LATITUDE:	40.10738
MUNICIPALITY:	BRISTOL	LONGITUDE:	-74.8824
MSA:	PHILADELPHIA	ADDRESS:	ROCKVIEW LANE

Sensor Type:	Carbon Monoxide	Appendix C Monitoring Method:	RFCA-1093-093
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Non-dispersive Infrared
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Nitrogen Dioxide	Appendix C Monitoring Method:	RFNA-1194-099
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Chemiluminescence
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Every 3rd day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Reference Method

Appendix C Monitoring Method: RFPS-0498-118
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	CARLISLE	AIRS Site ID:	420410101
COUNTY:	CUMBERLAND	LATITUDE:	40.24661
MUNICIPALITY:	CARLISLE	LONGITUDE:	-77.1837
MSA:	HARRISBURG-LEBANON-CARLISLE	ADDRESS:	IMPERIAL COURT

Sensor Type:	Particulate Matter PM2.5	Appendix C Monitoring Method:	EQPM-0202-145
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Gravimetric
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Daily	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Manual Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	CARLISLE WEST	AIRS Site ID:	
COUNTY:	CUMBERLAND	LATITUDE:	40.19406
MUNICIPALITY:	CARLISLE	LONGITUDE:	-77.2123
MSA:	HARRISBURG-LEBANON-CARLISLE	ADDRESS:	

Sensor Type:	Particulate Matter PM2.5	Appendix C Monitoring Method:	EQPM-0202-145
Sensor Network Designation:	SPM	Monitoring Method Description:	Gravimetric
Sensor Purpose Designation:	Research/Scientific Monitoring	Appendix D Design Criteria*:	Yes
Sample Frequency:	Daily	Appendix D Scale:	Middle Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Manual Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments: Sampling will be continued until Sep, 2008.

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	CHARLEROI	AIRS Site ID:	421250005
COUNTY:	WASHINGTON	LATITUDE:	40.14658
MUNICIPALITY:	CHARLEROI	LONGITUDE:	-79.9022
MSA:	PITTSBURGH	ADDRESS:	CHARLER01 WASTE TREATMENT PLANT

Sensor Type:	Carbon Monoxide	Appendix C Monitoring Method:	RFCA-1093-093
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Non-dispersive Infrared
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Nitrogen Dioxide	Appendix C Monitoring Method:	RFNA-1194-099
Sensor Network Designation:	SPM	Monitoring Method Description:	Chemiluminescence
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Every 3rd day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Equivalent Method

Appendix C Monitoring Method: EQPM-0202-145
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: BAM

Appendix C Monitoring Method: None
Monitoring Method Description: Beta Attenuation
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: CHESTER	AIRS Site ID: 420450002
COUNTY: DELAWARE	LATITUDE: 39.83519
MUNICIPALITY: CHESTER	LONGITUDE: -75.3721
MSA: PHILADELPHIA	ADDRESS: FRONT ST & NORRIS ST

Sensor Type: Lead	Appendix C Monitoring Method: EQL-0592-086
Sensor Network Designation: SPM	Monitoring Method Description: Gravimetric
Sensor Purpose Designation: Specific Location Characterization	Appendix D Design Criteria*: Yes
Sample Frequency: Every 6th day	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Manual Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide	Appendix C Monitoring Method: RFNA-1194-099
Sensor Network Designation: SLAMS	Monitoring Method Description: Chemiluminescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: BAM

Appendix C Monitoring Method: None
Monitoring Method Description: Beta Attenuation
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Every 3rd day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Reference Method

Appendix C Monitoring Method: RFPS-0498-118
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	EAST CONEMAUGH	AIRS Site ID:	420210808
COUNTY:	CAMBRIA	LATITUDE:	40.34797
MUNICIPALITY:	EAST CONEMAUGH	LONGITUDE:	-78.8824
MSA:	JOHNSTOWN	ADDRESS:	EAST CONEMAUGH

Sensor Type:	Lead	Appendix C Monitoring Method:	EQL-0592-086
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Gravimetric
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Every 6th day	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Source Oriented
Appendix C Monitoring Classification:	Manual Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: EASTON	AIRS Site ID: 420958000
COUNTY: NORTHAMPTON	LATITUDE: 40.69230
MUNICIPALITY: EASTON	LONGITUDE: -75.2371
MSA: ALLENTOWN-BETHLEHEM-EASTON	ADDRESS: 17TH AND SPRING GARDEN STREETS

Sensor Type: Hydrogen Sulfide
Sensor Network Designation: SPM
Sensor Purpose Designation: Specific Location Characterization
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Method

Appendix C Monitoring Method: NONE
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQOA-0992-087
Monitoring Method Description: UV Absorption
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Max Ozone Concentration
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: ERIE	AIRS Site ID: 420490003
COUNTY: ERIE	LATITUDE: 42.14197
MUNICIPALITY: ERIE	LONGITUDE: -80.0386
MSA: ERIE	ADDRESS: 10TH AND MARNE STREETS

Sensor Type: Carbon Monoxide	Appendix C Monitoring Method: RFCA-1093-093
Sensor Network Designation: SLAMS	Monitoring Method Description: Non-dispersive Infrared
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide	Appendix C Monitoring Method: RFNA-1194-099
Sensor Network Designation: SLAMS	Monitoring Method Description: Chemiluminescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Daily
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Equivalent Method

Appendix C Monitoring Method: EQPM-0202-145
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: FARRELL	AIRS Site ID: 420850100
COUNTY: MERCER	LATITUDE: 41.21405
MUNICIPALITY: FARRELL	LONGITUDE: -80.4834
MSA: NOT IN A MSA	ADDRESS: PA518 (NEW CASTLE ROAD) & PA418

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Highest Concentration
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5	Appendix C Monitoring Method: EQPM-0202-145
Sensor Network Designation: SLAMS	Monitoring Method Description: Gravimetric
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Daily	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Highest Concentration
Appendix C Monitoring Classification: Manual Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide	Appendix C Monitoring Method: EQSA-0495-100
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Fluorescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Highest Concentration
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	FLORENCE	AIRS Site ID:	421255001
COUNTY:	WASHINGTON	LATITUDE:	40.44547
MUNICIPALITY:	FLORENCE	LONGITUDE:	-80.4212
MSA:	PITTSBURGH	ADDRESS:	HILLMAN STATE PARK - KINGS CREEK ROAD

Sensor Type:	Nitrogen Dioxide	Appendix C Monitoring Method:	RFNA-1194-099
Sensor Network Designation:	SPM	Monitoring Method Description:	Chemiluminescence
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Regional Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Regional Transport
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SPM	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Regional Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Regional Transport
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Particulate Matter PM10	Appendix C Monitoring Method:	RFPS-1287-063
Sensor Network Designation:	SPM	Monitoring Method Description:	Gravimetric
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Every 6th day	Appendix D Scale:	Regional Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Regional Transport
Appendix C Monitoring Classification:	Manual Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Daily
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Equivalent Method

Appendix C Monitoring Method: EQPM-0202-145
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Regional Scale
Appendix D Objectives: Regional Transport
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Regional Scale
Appendix D Objectives: Regional Transport
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SPM
Sensor Purpose Designation: Specific Location Characterization
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Regional Scale
Appendix D Objectives: Regional Transport
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: FREEMANSBURG	AIRS Site ID: 420950025
COUNTY: NORTHAMPTON	LATITUDE: 40.62847
MUNICIPALITY: FREEMANSBURG	LONGITUDE: -75.3415
MSA: ALLENTOWN-BETHLEHEM-EASTON	ADDRESS: WASHINGTON & CAMBRIA STS. FREEMANSBURG

Sensor Type: Carbon Monoxide	Appendix C Monitoring Method: RFCA-1093-093
Sensor Network Designation: SLAMS	Monitoring Method Description: Non-dispersive Infrared
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide	Appendix C Monitoring Method: RFNA-1194-099
Sensor Network Designation: SPM	Monitoring Method Description: Chemiluminescence
Sensor Purpose Designation: Population Exposure	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

*The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Daily
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Equivalent Method

Appendix C Monitoring Method: EQPM-0202-145
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: GREENSBURG	AIRS Site ID: 421290008
COUNTY: WESTMORELAND	LATITUDE: 40.30438
MUNICIPALITY: GREENSBURG	LONGITUDE: -79.5060
MSA: PITTSBURGH	ADDRESS: DONOHOE ROAD - PENN DOT MAINT DIST BLDG

Sensor Type: Carbon Monoxide	Appendix C Monitoring Method: RFCA-1093-093
Sensor Network Designation: SLAMS	Monitoring Method Description: Non-dispersive Infrared
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide	Appendix C Monitoring Method: RFNA-1194-099
Sensor Network Designation: SLAMS	Monitoring Method Description: Chemiluminescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Max Ozone Concentration
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Every 3rd day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Equivalent Method

Appendix C Monitoring Method: EQPM-0202-145
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: HARRISBURG	AIRS Site ID: 420430401
COUNTY: DAUPHIN	LATITUDE: 40.24508
MUNICIPALITY: HARRISBURG	LONGITUDE: -76.8447
MSA: HARRISBURG-LEBANON-CARLISLE	ADDRESS: 1833 UPS DRIVE HARRISBURG PA

Sensor Type: Carbon Monoxide	Appendix C Monitoring Method: RFCA-1093-093
Sensor Network Designation: SLAMS	Monitoring Method Description: Non-dispersive Infrared
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide	Appendix C Monitoring Method: RFNA-1194-099
Sensor Network Designation: SLAMS	Monitoring Method Description: Chemiluminescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Daily
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Reference Method

Appendix C Monitoring Method: RFPS-0498-118
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: BAM

Appendix C Monitoring Method: None
Monitoring Method Description: Beta Attenuation
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	HERSHEY	AIRS Site ID:	420431100
COUNTY:	DAUPHIN	LATITUDE:	40.27241
MUNICIPALITY:	HERSHEY	LONGITUDE:	-76.6814
MSA:	HARRISBURG-LEBANON-CARLISLE	ADDRESS:	SIPE AVE & MAE STREET

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Max Ozone Concentration
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: HOLBROOK	AIRS Site ID: 420590002
COUNTY: GREENE	LATITUDE: 39.81602
MUNICIPALITY: HOLBROOK	LONGITUDE: -80.2848
MSA: NOT IN A MSA	ADDRESS: 4.8 KM SE OF HOLBROOK

Sensor Type: Carbon Monoxide
Sensor Network Designation: SPM
Sensor Purpose Designation: Specific Location Characterization
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFCA-1093-093
Monitoring Method Description: Non-dispersive Infrared
Appendix D Design Criteria*: Yes
Appendix D Scale: Regional Scale
Appendix D Objectives: Regional Transport
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone
Sensor Network Designation: SPM
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQOA-0992-087
Monitoring Method Description: UV Absorption
Appendix D Design Criteria*: Yes
Appendix D Scale: Regional Scale
Appendix D Objectives: Regional Transport
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SPM
Sensor Purpose Designation: Specific Location Characterization
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Regional Scale
Appendix D Objectives: Regional Transport
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	HOOKSTOWN	AIRS Site ID:	420070002
COUNTY:	BEAVER	LATITUDE:	40.56305
MUNICIPALITY:	HOOKSTOWN	LONGITUDE:	-80.5044
MSA:	NOT IN A MSA	ADDRESS:	ROUTE 168 & TOMLINSON ROAD

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SPM	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Regional Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Regional Transport
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Sulfur Dioxide	Appendix C Monitoring Method:	EQSA-0495-100
Sensor Network Designation:	SPM	Monitoring Method Description:	UV Fluorescence
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Regional Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Regional Transport
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	JOHNSTOWN	AIRS Site ID:	420210011
COUNTY:	CAMBRIA	LATITUDE:	40.30994
MUNICIPALITY:	JOHNSTOWN	LONGITUDE:	-78.9154
MSA:	JOHNSTOWN	ADDRESS:	MILLER AUTO SHOP 1 MESSENGER ST

Sensor Type: Carbon Monoxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFCA-1093-093

Monitoring Method Description: Non-dispersive Infrared

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFNA-1194-099

Monitoring Method Description: Chemiluminescence

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQOA-0992-087

Monitoring Method Description: UV Absorption

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: BAM

Appendix C Monitoring Method: None
Monitoring Method Description: Beta Attenuation
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Every 3rd day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Reference Method

Appendix C Monitoring Method: RFPS-0498-118
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	KITTANNING	AIRS Site ID:	420050001
COUNTY:	ARMSTRONG	LATITUDE:	40.814
MUNICIPALITY:	KITTANNING	LONGITUDE:	-79.5646
MSA:	NOT IN A MSA	ADDRESS:	GLADE DR. & NOLTE RD. KITTANNING

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Extreme Downwind
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Particulate Matter PM2.5	Appendix C Monitoring Method:	None
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Gravimetric
Sensor Purpose Designation:	Population Exposure	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Extreme Downwind
Appendix C Monitoring Classification:	TEOM	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	KUTZTOWN	AIRS Site ID:	420110002
COUNTY:	BERKS	LATITUDE:	40.51408
MUNICIPALITY:	KUTZTOWN	LONGITUDE:	-75.7897
MSA:	READING	ADDRESS:	KUTZTOWN UNIVERSITY CAMPUS

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Extreme Downwind
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	LANCASTER	AIRS Site ID:	420710007
COUNTY:	LANCASTER	LATITUDE:	40.04686
MUNICIPALITY:	LANCASTER	LONGITUDE:	-76.2834
MSA:	LANCASTER	ADDRESS:	ABRAHAM LINCOLN JR HIGH GROFFTOWN RD

Sensor Type:	Carbon Monoxide	Appendix C Monitoring Method:	RFCA-1093-093
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Non-dispersive Infrared
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Nitrogen Dioxide	Appendix C Monitoring Method:	RFNA-1194-099
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Chemiluminescence
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: FDMS

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Every 3rd day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Reference Method

Appendix C Monitoring Method: RFPS-0498-118
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	LANCASTER DOWNWIND	AIRS Site ID:	420710012
COUNTY:	LANCASTER	LATITUDE:	40.04383
MUNICIPALITY:	LANCASTER	LONGITUDE:	-76.1124
MSA:	LANCASTER	ADDRESS:	3445 W. NEWPORT ROAD

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Extreme Downwind
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: LAURELDALE SOUTH	AIRS Site ID: 420111717
COUNTY: BERKS	LATITUDE: 40.37730
MUNICIPALITY: LAURELDALE SOUTH	LONGITUDE: -75.9145
MSA: READING	ADDRESS: SPRING VALLEY ROAD

Sensor Type: Lead	Appendix C Monitoring Method: EQL-0592-086
Sensor Network Designation: SPM	Monitoring Method Description: Gravimetric
Sensor Purpose Designation: Specific Location Characterization	Appendix D Design Criteria*: Yes
Sample Frequency: Every 6th day	Appendix D Scale: Middle Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Source Oriented
Appendix C Monitoring Classification: Manual Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: LYONS EAST	AIRS Site ID: 420110717
COUNTY: BERKS	LATITUDE: 40.47683
MUNICIPALITY: LYONS	LONGITUDE: -75.7585
MSA: READING	ADDRESS: LYONS STATION PO BOX

Sensor Type: Lead	Appendix C Monitoring Method: EQL-0592-086
Sensor Network Designation: SPM	Monitoring Method Description: Gravimetric
Sensor Purpose Designation: Specific Location Characterization	Appendix D Design Criteria*: Yes
Sample Frequency: Every 6th day	Appendix D Scale: Middle Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Source Oriented
Appendix C Monitoring Classification: Manual Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	LYONS SOUTH	AIRS Site ID:	420110003
COUNTY:	BERKS	LATITUDE:	40.46633
MUNICIPALITY:	LYONS	LONGITUDE:	-75.759
MSA:	READING	ADDRESS:	HEFFNER AND DEKA ROAD

Sensor Type:	Lead	Appendix C Monitoring Method:	EQL-0592-086
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Gravimetric
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Every 6th day	Appendix D Scale:	Middle Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Source Oriented
Appendix C Monitoring Classification:	Manual Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	METHODIST HILL	AIRS Site ID:	420550001
COUNTY:	FRANKLIN	LATITUDE:	39.96072
MUNICIPALITY:	SOUTHAMPTON TWP	LONGITUDE:	-77.4755
MSA:	NOT IN A MSA	ADDRESS:	FOREST ROAD - METHODIST HILL

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SPM	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Regional Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Regional Transport
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: MONESSEN	AIRS Site ID: 421290007
COUNTY: WESTMORELAND	LATITUDE: 40.16177
MUNICIPALITY: MONESSEN	LONGITUDE: -79.8846
MSA: PITTSBURGH	ADDRESS: 435 DONNER AVENUE - COMMUNITY CENTER

Sensor Type: Lead	Appendix C Monitoring Method: EQL-0592-086
Sensor Network Designation: SPM	Monitoring Method Description: Gravimetric
Sensor Purpose Designation: Specific Location Characterization	Appendix D Design Criteria*: Yes
Sample Frequency: Every 6th day	Appendix D Scale: Middle Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Source Oriented
Appendix C Monitoring Classification: Manual Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM10	Appendix C Monitoring Method: RFPS-1287-063
Sensor Network Designation: SLAMS	Monitoring Method Description: Gravimetric
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Every 6th day	Appendix D Scale: Middle Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Source Oriented
Appendix C Monitoring Classification: Manual Reference Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: MONTOURSVILLE	AIRS Site ID: 420810100
COUNTY: LYCOMING	LATITUDE: 41.25019
MUNICIPALITY: MONTOURSVILLE	LONGITUDE: -76.9134
MSA: NOT IN A MSA	ADDRESS: 899 CHERRY STREET

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Max Ozone Concentration
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM10	Appendix C Monitoring Method: RFPS-1287-063
Sensor Network Designation: SLAMS	Monitoring Method Description: Gravimetric
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Every 6th day	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Manual Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide	Appendix C Monitoring Method: EQSA-0495-100
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Fluorescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: MOSHANNON (PSU)	AIRS Site ID: 420334000
COUNTY: CLEARFIELD	LATITUDE: 41.1175
MUNICIPALITY: ELLIOTT STATE PARK	LONGITUDE: -78.5261
MSA: NOT IN A MSA	ADDRESS: LOCATED NEAR S.B. ELLIOTT STATE PARK

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SPM	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Specific Location Characterization	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Regional Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: General/Background
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	MURRYSVILLE	AIRS Site ID:	421290006
COUNTY:	WESTMORELAND	LATITUDE:	40.42902
MUNICIPALITY:	MURRYSVILLE	LONGITUDE:	-79.6972
MSA:	PITTSBURGH	ADDRESS:	OLD WILLIAM PENN HWY & SARDIS AVE

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Max Ozone Concentration
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	NANTICOKE	AIRS Site ID:	420791100
COUNTY:	LUZERNE	LATITUDE:	41.20919
MUNICIPALITY:	NANTICOKE	LONGITUDE:	-76.0035
MSA:	SCRANTON-WILKES BARRE-HAZLETON	ADDRESS:	255 LOWER BROADWAY(NEXT TO LEON&EDDY'S)

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	General/Background
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	NAZARETH	AIRS Site ID:	420951000
COUNTY:	NORTHAMPTON	LATITUDE:	40.74055
MUNICIPALITY:	NAZARETH	LONGITUDE:	-75.3013
MSA:	ALLENTOWN-BETHLEHEM-EASTON	ADDRESS:	SOUTH GREEN & DELAWARE

Sensor Type:	Particulate Matter PM10	Appendix C Monitoring Method:	EQPM-1090-079
Sensor Network Designation:	SPM	Monitoring Method Description:	TEOM Gravimetric
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Source Oriented
Appendix C Monitoring Classification:	TEOM Automated Equivalent	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	NEW CASTLE	AIRS Site ID:	420730015
COUNTY:	LAWRENCE	LATITUDE:	40.99605
MUNICIPALITY:	NEW CASTLE	LONGITUDE:	-80.3465
MSA:	NOT IN MSA	ADDRESS:	CROTON ST & JEFFERSON ST.

Sensor Type:	Carbon Monoxide	Appendix C Monitoring Method:	RFCA-1093-093
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Non-dispersive Infrared
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Nitrogen Dioxide	Appendix C Monitoring Method:	RFNA-1194-099
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Chemiluminescence
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: NEW GARDEN	AIRS Site ID: 420290100
COUNTY: CHESTER	LATITUDE: 39.83458
MUNICIPALITY: NEW GARDEN	LONGITUDE: -75.7680
MSA: PHILADELPHIA	ADDRESS: NEW GARDEN AIRPORT - TOUGHKENAMON

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Regional Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Regional Transport
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5	Appendix C Monitoring Method: EQPM-0202-145
Sensor Network Designation: SPM	Monitoring Method Description: Gravimetric
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Every 3rd day	Appendix D Scale: Regional Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Regional Transport
Appendix C Monitoring Classification: Manual Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: PM2.5 Speciation	Appendix C Monitoring Method: None
Sensor Network Designation: STN	Monitoring Method Description: Gravimetric
Sensor Purpose Designation: Research/Scientific Monitoring	Appendix D Design Criteria*: Yes
Sample Frequency: Every 6th day	Appendix D Scale: Regional Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Regional Transport
Appendix C Monitoring Classification: Speciation	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	NORRISTOWN	AIRS Site ID:	420910013
COUNTY:	MONTGOMERY	LATITUDE:	40.11327
MUNICIPALITY:	NORRISTOWN	LONGITUDE:	-75.3086
MSA:	PHILADELPHIA	ADDRESS:	STATE ARMORY - 1046 BELVOIR RD

Sensor Type: Carbon Monoxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFCA-1093-093

Monitoring Method Description: Non-dispersive Infrared

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFNA-1194-099

Monitoring Method Description: Chemiluminescence

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQOA-0992-087

Monitoring Method Description: UV Absorption

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: FDMS

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Every 3rd day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Reference Method

Appendix C Monitoring Method: RFPS-0498-118
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	PECKVILLE	AIRS Site ID:	420690101
COUNTY:	LACKAWANNA	LATITUDE:	41.47908
MUNICIPALITY:	PECKVILLE	LONGITUDE:	-75.5781
MSA:	SCRANTON-WILKES BARRE-HAZLETON	ADDRESS:	WILSON FIRE CO. ERIE & PLEASANT

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Max Ozone Concentration
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: PERRY COUNTY	AIRS Site ID: 420990301
COUNTY: PERRY	LATITUDE: 40.46
MUNICIPALITY: NEWPORT	LONGITUDE: -77.1687
MSA: HARRISBURG-LEBANON-CARLISLE	ADDRESS: 720 GILL HILL ROAD, LITTLE BUFFALO STATE PARK

Sensor Type: Nitrogen Dioxide	Appendix C Monitoring Method: RFNA-1194-099
Sensor Network Designation: SLAMS	Monitoring Method Description: Chemiluminescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Regional Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: General/Background
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Regional Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: General/Background
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide	Appendix C Monitoring Method: EQSA-0495-100
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Fluorescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Regional Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: General/Background
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	PITTSBURGH	AIRS Site ID:	420030010
COUNTY:	ALLEGHENY	LATITUDE:	40.44591
MUNICIPALITY:	PITTSBURGH	LONGITUDE:	-80.0186
MSA:	PITTSBURGH	ADDRESS:	CARNEGIE SCIENCE CENTER - 1 ALLEGHENY RD

Sensor Type:	Carbon Monoxide	Appendix C Monitoring Method:	RFCA-1093-093
Sensor Network Designation:	SPM	Monitoring Method Description:	Non-dispersive Infrared
Sensor Purpose Designation:	Population Exposure	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Nitrogen Dioxide	Appendix C Monitoring Method:	RFNA-1194-099
Sensor Network Designation:	SPM	Monitoring Method Description:	Chemiluminescence
Sensor Purpose Designation:	Population Exposure	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SPM	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Population Exposure	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SPM
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	POCONO	AIRS Site ID:	420890002
COUNTY:	MONROE	LATITUDE:	41.08306
MUNICIPALITY:	SWIFTWATER	LONGITUDE:	-75.3232
MSA:	NOT IN A MSA	ADDRESS:	DEP/DCNR Pocono District Office

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Urban Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: READING AIRPORT	AIRS Site ID: 420110011
COUNTY: BERKS	LATITUDE: 40.38335
MUNICIPALITY: READING	LONGITUDE: -75.9686
MSA: READING	ADDRESS: 1059 ARNOLD ROAD

Sensor Type: Carbon Monoxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFCA-1093-093

Monitoring Method Description: Non-dispersive Infrared

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFNA-1194-099

Monitoring Method Description: Chemiluminescence

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQOA-0992-087

Monitoring Method Description: UV Absorption

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

*The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: FDMS

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Every 3rd day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Reference Method

Appendix C Monitoring Method: RFPS-0498-118
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	READING PM10	AIRS Site ID:	420110015
COUNTY:	BERKS	LATITUDE:	40.35105
MUNICIPALITY:	READING	LONGITUDE:	-75.9355
MSA:	READING	ADDRESS:	NORTH FRONT AND SPRING STREETS

Sensor Type:	Particulate Matter PM10	Appendix C Monitoring Method:	RFPS-1287-063
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Gravimetric
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Every 6th day	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Source Oriented
Appendix C Monitoring Classification:	Manual Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: SCRANTON	AIRS Site ID: 420692006
COUNTY: LACKAWANNA	LATITUDE: 41.44286
MUNICIPALITY: SCRANTON	LONGITUDE: -75.623
MSA: SCRANTON-WILKES BARRE-HAZLETON	ADDRESS: GEORGE ST TROOP AND CITY OF SCRANTON

Sensor Type: Carbon Monoxide	Appendix C Monitoring Method: RFCA-1093-093
Sensor Network Designation: SLAMS	Monitoring Method Description: Non-dispersive Infrared
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide	Appendix C Monitoring Method: RFNA-1194-099
Sensor Network Designation: SLAMS	Monitoring Method Description: Chemiluminescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

*The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Daily
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Equivalent Method

Appendix C Monitoring Method: EQPM-0202-145
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: STATE COLLEGE (PSU)	AIRS Site ID: 420270100
COUNTY: CENTRE	LATITUDE: 40.81116
MUNICIPALITY: STATE COLLEGE	LONGITUDE: -77.8772
MSA: STATE COLLEGE	ADDRESS: PENN STATE UNIVERSITY - ARBORETUM SITE

Sensor Type: Nitrogen Dioxide	Appendix C Monitoring Method: RFNA-1194-099
Sensor Network Designation: SPM	Monitoring Method Description: Chemiluminescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SPM	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5	Appendix C Monitoring Method: EQPM-0202-145
Sensor Network Designation: SLAMS	Monitoring Method Description: Gravimetric
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Daily	Appendix D Scale: Neighborhood
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Manual Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SPM
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: STRONGSTOWN	AIRS Site ID: 420630004
COUNTY: INDIANA	LATITUDE: 40.5633
MUNICIPALITY: STRONGSTOWN	LONGITUDE: -78.9199
MSA: NOT IN A MSA	ADDRESS: PA. DEPT. OF TRANSPORTATION - RT.403

Sensor Type: Nitrogen Dioxide	Appendix C Monitoring Method: RFNA-1194-099
Sensor Network Designation: SLAMS	Monitoring Method Description: Chemiluminescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Regional Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Reference Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Regional Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide	Appendix C Monitoring Method: EQSA-0495-100
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Fluorescence
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Regional Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Population Exposure
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	TIOGA COUNTY (PSU)	AIRS Site ID:	421174000
COUNTY:	TIOGA	LATITUDE:	41.64558
MUNICIPALITY:	GLEASON	LONGITUDE:	-76.9379
MSA:	NOT IN A MSA	ADDRESS:	TIOGA

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SPM	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Regional Scale
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	General/Background
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	VANPORT	AIRS Site ID:	420070505
COUNTY:	BEAVER	LATITUDE:	40.68486
MUNICIPALITY:	VANPORT	LONGITUDE:	-80.3229
MSA:	NOT IN A MSA	ADDRESS:	TAMAQUI DR

Sensor Type:	Lead	Appendix C Monitoring Method:	EQL-0592-086
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Gravimetric
Sensor Purpose Designation:	Specific Location Characterization	Appendix D Design Criteria*:	Yes
Sample Frequency:	Every 6th day	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Source Oriented
Appendix C Monitoring Classification:	Manual Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	WARREN HIGH SCHOOL	AIRS Site ID:	421230003
COUNTY:	WARREN	LATITUDE:	41.85633
MUNICIPALITY:	WARREN	LONGITUDE:	-79.1360
MSA:	NOT IN A MSA	ADDRESS:	345 E. FIFTH AVE. WARREN HIGH SCHOOL

Sensor Type:	Sulfur Dioxide	Appendix C Monitoring Method:	EQSA-0495-100
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Fluorescence
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Highest Concentration
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	WARREN OVER LOOK	AIRS Site ID:	421230004
COUNTY:	WARREN	LATITUDE:	41.84372
MUNICIPALITY:	WARREN	LONGITUDE:	-79.1728
MSA:	NOT IN A MSA	ADDRESS:	OVERLOOK SITE - NEAR STONE HILL ROAD

Sensor Type:	Sulfur Dioxide	Appendix C Monitoring Method:	EQSA-0495-100
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Fluorescence
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Highest Concentration
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	WASHINGTON	AIRS Site ID:	421250200
COUNTY:	WASHINGTON	LATITUDE:	40.17063
MUNICIPALITY:	WASHINGTON	LONGITUDE:	-80.2617
MSA:	PITTSBURGH	ADDRESS:	MCCARRELL AND FAYETTE STS

Sensor Type:	Nitrogen Dioxide	Appendix C Monitoring Method:	RFNA-1194-099
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Chemiluminescence
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Reference Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Ozone	Appendix C Monitoring Method:	EQOA-0992-087
Sensor Network Designation:	SLAMS	Monitoring Method Description:	UV Absorption
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Continuous	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Automated Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

Sensor Type:	Particulate Matter PM2.5	Appendix C Monitoring Method:	EQPM-0202-145
Sensor Network Designation:	SLAMS	Monitoring Method Description:	Gravimetric
Sensor Purpose Designation:	Regulatory Compliance	Appendix D Design Criteria*:	Yes
Sample Frequency:	Every 3rd day	Appendix D Scale:	Neighborhood
Appendix A QA Assessment*:	Yes	Appendix D Objectives:	Population Exposure
Appendix C Monitoring Classification:	Manual Equivalent Method	Appendix E Siting Criteria*:	Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: WILKES BARRE	AIRS Site ID: 420791101
COUNTY: LUZERNE	LATITUDE: 41.26597
MUNICIPALITY: WILKES BARRE	LONGITUDE: -75.8463
MSA: SCRANTON-WILKES BARRE-HAZLETON	ADDRESS: CHILWICK & WASHINGTON STS

Sensor Type: Carbon Monoxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFCA-1093-093

Monitoring Method Description: Non-dispersive Infrared

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFNA-1194-099

Monitoring Method Description: Chemiluminescence

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQOA-0992-087

Monitoring Method Description: UV Absorption

Appendix D Design Criteria*: Yes

Appendix D Scale: Neighborhood

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

*The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Neighborhood
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME:	YORK	AIRS Site ID:	421330008
COUNTY:	YORK	LATITUDE:	39.96552
MUNICIPALITY:	YORK	LONGITUDE:	-76.6995
MSA:	YORK	ADDRESS:	HILL ST.

Sensor Type: Carbon Monoxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFCA-1093-093

Monitoring Method Description: Non-dispersive Infrared

Appendix D Design Criteria*: Yes

Appendix D Scale: Urban Scale

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Nitrogen Dioxide

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Reference Method

Appendix C Monitoring Method: RFNA-1194-099

Monitoring Method Description: Chemiluminescence

Appendix D Design Criteria*: Yes

Appendix D Scale: Urban Scale

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Ozone

Sensor Network Designation: SLAMS

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Continuous

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQOA-0992-087

Monitoring Method Description: UV Absorption

Appendix D Design Criteria*: Yes

Appendix D Scale: Urban Scale

Appendix D Objectives: Population Exposure

Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: Particulate Matter PM10
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: TEOM Automated Equivalent

Appendix C Monitoring Method: EQPM-1090-079
Monitoring Method Description: TEOM Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Population Exposure
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: FDMS

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Every 3rd day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Manual Reference Method

Appendix C Monitoring Method: RFPS-0498-118
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

Sensor Type: PM2.5 Speciation
Sensor Network Designation: STN
Sensor Purpose Designation: Research/Scientific Monitoring
Sample Frequency: Every 6th day
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Speciation

Appendix C Monitoring Method: None
Monitoring Method Description: Gravimetric
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Sulfur Dioxide
Sensor Network Designation: SLAMS
Sensor Purpose Designation: Regulatory Compliance
Sample Frequency: Continuous
Appendix A QA Assessment*: Yes
Appendix C Monitoring Classification: Automated Equivalent Method

Appendix C Monitoring Method: EQSA-0495-100
Monitoring Method Description: UV Fluorescence
Appendix D Design Criteria*: Yes
Appendix D Scale: Urban Scale
Appendix D Objectives: Population Exposure
Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

SITE NAME: YORK DOWNWIND	AIRS Site ID: 421330011
COUNTY: YORK	LATITUDE: 39.86097
MUNICIPALITY: YORK	LONGITUDE: -76.4620
MSA: YORK	ADDRESS: 2650 DELTA ROAD

Sensor Type: Ozone	Appendix C Monitoring Method: EQOA-0992-087
Sensor Network Designation: SLAMS	Monitoring Method Description: UV Absorption
Sensor Purpose Designation: Regulatory Compliance	Appendix D Design Criteria*: Yes
Sample Frequency: Continuous	Appendix D Scale: Urban Scale
Appendix A QA Assessment*: Yes	Appendix D Objectives: Extreme Downwind
Appendix C Monitoring Classification: Automated Equivalent Method	Appendix E Siting Criteria*: Yes

Comments:

**The Pennsylvania Department of Environmental Protection, Bureau of Air Quality, maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. Detailed Appendix A, D and E requirements appear at*

<http://www.gpoaccess.gov/cfr/index.html>

This and related environmental information are available electronically via the Internet. For more information, visit us through the DEP web site at <http://www.depweb.state.pa.us/>(DEP Keyword: Air, Air Pollution, Air Quality, Clean Air).