



PROPOSED
Pennsylvania Department of Environmental Protection
Ambient Air Monitoring Network Description

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Commonwealth of Pennsylvania
Department of Environmental Protection

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Commonwealth of Pennsylvania

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www.depweb.state.pa.us

Introduction

In 1970, Congress passed 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 (O₃), carbon monoxide (CO), sulfur dioxide (SO₂), nitrogen dioxide (NO₂), particulate matter less than 10 microns (PM₁₀), 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.

Requirements for Monitoring Network Descriptions

In October 2006, the U.S. EPA issued 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 each Network Description. For this description, Region III requested information described in 40 CFR Part 58 §58.10 (a). The Pennsylvania Department of Environmental Protection, Bureau of Air Quality has gone beyond this minimum requested information and has also provided a substantial portion of the information requested in §58.10 (b). The requirements of these two sections are listed as follow:

§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

Likewise §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 §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

The Commonwealth of Pennsylvania has established an air monitoring network to determine the ambient levels of the pollutants for which NAAQS have been established. The 2008 Pennsylvania Air Monitoring Network consists of the sites and monitors listed in Exhibit A. This network is maintained and operated by the Department of Environmental Protection, Bureau of Air Quality, Division of Air Quality Monitoring.

Exhibit A is the heart of the Network Description. As presented, it is also a snapshot of a Microsoft ACCESS™ database that contains blocks or files of information related to the location of the site, monitoring parameters at the site, and details about the monitors themselves. It is from these blocks that the requirements of Section 58.10 (a) and (b) noted earlier are fulfilled.

Exhibit A Description

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 exists 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.
- 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.
- 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.On Exhibit A, 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.
- 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/reference-equivalent-methods-list.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)

- 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.
- 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.
- 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
- 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 – Each monitor has a comments section. Appropriate comments, as necessary, are found in this area.

Site and Monitor Activity Within the Next 18 Months

To provide a better understanding of Volatile Organic Compounds (VOC) air toxics across the Commonwealth, 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 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) site will have ended in September 2008 to complete the study that was being conducted.

The following changes to the Department's ambient air monitoring sites for 2009 are being proposed:

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 DEP monitor at Chester (Delaware County) continuing operation, PA DEP is proposing that the Bristol PM₁₀ monitor be discontinued 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 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 proposed 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 is proposing that the PM₁₀ monitor be discontinued 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 is proposing 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 adding a VOC air toxics sampler at the Norristown site in 2010 for one year.

New Garden (Toughkenamon), Chester County: As explained above, PA DEP plans on adding a VOC air toxics sampler at the New Garden site in 2009 for 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 is proposing that the Allentown SO₂ monitor be discontinued 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 is proposing that the Allentown NO₂ monitor be discontinued in 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 adding a VOC air toxics sampler at the Allentown site in 2009 for 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 DEP monitors at Allentown (Lehigh County) and Nazareth (Northampton County) continuing operation, PA DEP is proposing that the Freemansburg PM₁₀ monitor be discontinued starting 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 is proposing that the Freemansburg SO₂ monitor be discontinued 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 adding a VOC air toxics sampler at the Freemansburg site in 2010 for 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 DEP monitor at Wilkes-Barre (Luzerne County) continuing operation, PA DEP is proposing that the Scranton PM₁₀ monitor be discontinued 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 is proposing that the Scranton SO₂ monitor be discontinued 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 adding a VOC air toxics sampler at the Scranton site in 2010 for one year.

Wilkes-Barre, Luzerne County: PA DEP is proposing 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 adding a VOC air toxics sampler at the Wilkes-Barre site in 2009 for one year.

Reading (Airport), Berks County: PA DEP plans on 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 DEP monitor at the Reading (Airport) site continuing operation, PA DEP is proposing that the Reading (Central) PM₁₀ monitor be discontinued starting 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 is proposing that the Harrisburg SO₂ monitor be discontinued 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 adding a VOC air toxics sampler at the Harrisburg site in 2010 for one year.

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 is proposing that the Lancaster SO₂ monitor be discontinued 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 is proposing that the Lancaster CO monitor be discontinued 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 adding a VOC air toxics sampler at the York site in 2009 for one year.

Altoona, Blair County: PA DEP is proposing 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 adding a VOC air toxics sampler at the Altoona site in 2010 for 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 is proposing that the Montoursville SO₂ monitor be discontinued 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 adding a VOC air toxics sampler at the Montoursville site in 2009 for one year.

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

PA DEP plans on adding a VOC air toxics sampler at the Johnstown site in 2009 for 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 is proposing that the Beaver Falls SO₂ monitor be discontinued 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 is proposing that the Beaver Falls CO monitor be discontinued in 2009. There are no minimum monitoring requirements for CO.

PA DEP plans on adding a VOC air toxics sampler at the Beaver Falls site in 2010 for 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 adding a VOC air toxics sampler at the Charleroi site in 2009 for 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 is proposing that the Florence PM₁₀ monitor be discontinued starting 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 is proposing that the Washington 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.

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 is proposing that the Monessen PM₁₀ monitor be relocated 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 is proposing that the Greensburg PM₁₀ monitor be discontinued starting 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 is proposing that the Greensburg SO₂ monitor be discontinued 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 is proposing that the Greensburg CO monitor be discontinued 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 is proposing that the Greensburg 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 region.

PA DEP plans on adding a VOC air toxics sampler at the Greensburg site in 2010 for 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 is proposing that the Strongstown NO₂ monitor be discontinued 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 is proposing that the Holbrook CO monitor be discontinued 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. PA DEP is proposing that the New Castle NO₂ monitor 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. PA DEP is proposing that the Farrell SO₂ monitor 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 exceedance 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, DEP has 12 monitors that record PM_{2.5} data continuously (TEOM/FDMS and BAM).

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 (TEOM).

Acronyms

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 multi-pollutant 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/>

Exhibit A

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

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: 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

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: 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: 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: 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

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: RFNA-1194-099

Monitoring Method Description: Chemiluminescence

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: Specific Location Characterization

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: Particulate Matter PM10

Sensor Network Designation: SPM

Sensor Purpose Designation: Regulatory Compliance

Sample Frequency: Every 6th day

Appendix A QA Assessment*: Yes

Appendix C Monitoring Classification: Manual Reference Method

Appendix C Monitoring Method: RFPS-1287-063

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:

**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
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: Max Ozone Concentration
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

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: 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

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: 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

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: 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

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: Regional Scale

Appendix D Objectives: Regional Transport

Appendix E Siting Criteria*: Yes

Comments:

Sensor Type: Particulate Matter PM2.5

Sensor Network Designation: SPM

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: 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:

**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
Sensor Network Designation: SPM
Sensor Purpose Designation: Population Exposure
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: SPM
Sensor Purpose Designation: Population Exposure
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: 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: 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: 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	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: 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>