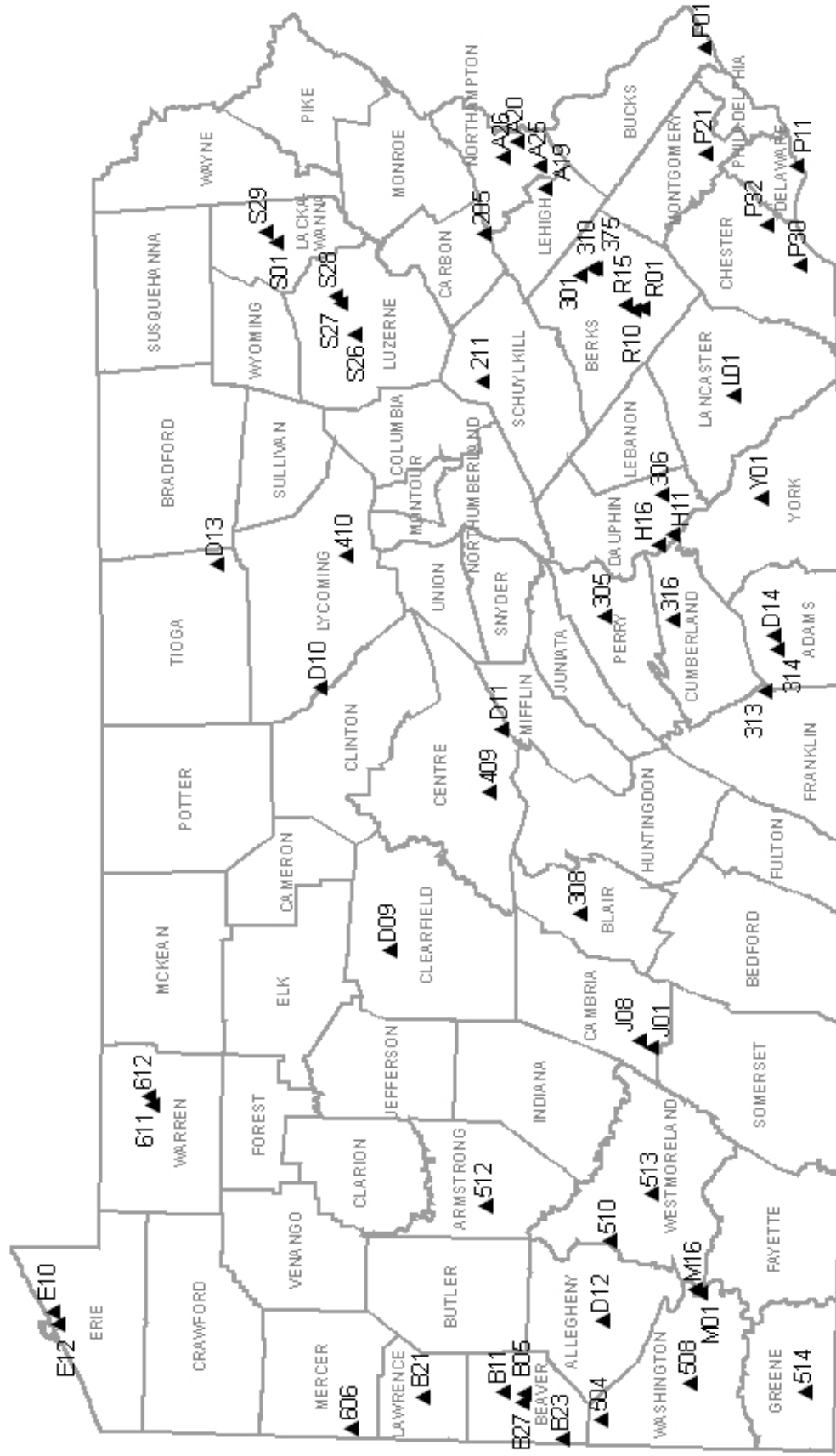


## **APPENDIX C - Monitoring Sites, Equipment, and Addresses**

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**Figure C-1. Commonwealth of Pennsylvania Air Monitoring Sites**



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Appendix C: Table C-1

**Ambient Air Monitoring Equipment**

**Particulate Sampling**

PARAMETER	MANUFACTURER/INSTRUMENT/MODEL	EPA DESIGNATION
<b>PM<sub>10</sub></b>		
<i>Discrete</i>	Thermo GMW PM <sub>10</sub> High-Volume Air Sampler - Volumetric <a href="http://www.thermo.com/com/cda/product/detail/1,1055,23297,00.html">http://www.thermo.com/com/cda/product/detail/1,1055,23297,00.html</a>	Manual Reference Method: RFPS-1287-063 52 FR 45684, 12/01/87 53FR 1062, 1/15/88
<i>Continuous</i>	Rupprecht & Patashnick (R&P) Tapered Element Oscillating Microbalance (TEOM) Series 1400 Ambient Particulate Monitor <a href="http://www.rpco.com/products/ambprod/amb1400/index.htm">http://www.rpco.com/products/ambprod/amb1400/index.htm</a>	Automated Equivalent Method: EQPM-1090-079 55 FR 43406, 10/29/90
<b>PM<sub>2.5</sub></b>		
<i>Discrete</i>	R&P Partisol-Plus Model 2025 Sequential Air Sampler <a href="http://www.rpco.com/products/ambprod/amb2025/index.htm">http://www.rpco.com/products/ambprod/amb2025/index.htm</a>	Manual Reference Method: RFPS-0498-118 63 FR 18911, 4/16/98
<i>Continuous</i>	R&P TEOM Series 8500a Filter Dynamics Measurement System (FDMS) and TEOM Series 1400ab <a href="http://www.rpco.com/products/ambprod/amb8500/index.htm">http://www.rpco.com/products/ambprod/amb8500/index.htm</a>	
	Met One Instruments Beta-Attenuation Mass (BAM) Model 1020 <a href="http://www.metone.com/documents/BAM1020Particulate.pdf">http://www.metone.com/documents/BAM1020Particulate.pdf</a>	
<b>PM<sub>2.5</sub> Speciation</b>	Met One Instruments SASS PM <sub>2.5</sub> Ambient Chemical Speciation Air Sampler <a href="http://www.metone.com/documents/SASS0301Particulate.pdf">http://www.metone.com/documents/SASS0301Particulate.pdf</a>	
<b>TSP</b>	Thermo GMW TSP High Volume Air Sampler – Mass Flow <a href="http://www.thermo.com/com/cda/product/detail/1,1055,23329,00.html">http://www.thermo.com/com/cda/product/detail/1,1055,23329,00.html</a> and Thermo GMW TSP High Volume Air Sampler – Volumetric <a href="http://www.thermo.com/com/cda/product/detail/1,1055,23328,00.html">http://www.thermo.com/com/cda/product/detail/1,1055,23328,00.html</a>	Manual Reference Method 40 CFR Part 50, Appendix B 47 FR 54912, 12/6/82 48 FR 17355, 4/22/83
<b>Pb</b>	Laboratory analysis of TSP filters by Inductively Coupled Argon Plasma-Optical Emission Spectrometry	Manual Equivalent Method EQL-0592-086 57 FR 20823, 5/15/92
<b>SO<sub>4</sub>, NO<sub>3</sub></b>	Laboratory analysis of TSP filters by Ion Chromatography	EPA Method 300.0

Appendix C: Table C-1

**Ambient Air Monitoring Equipment**

**Continuous Gaseous Sampling**

PARAMETER	MANUFACTURER/INSTRUMENT/MODEL	EPA DESIGNATION
<b>SO<sub>2</sub></b>	Teledyne Advanced Pollution Instrumentation Model 100A UV Fluorescence SO <sub>2</sub> Analyzer <a href="http://www.teledyne-api.com/products/model_100e.asp">http://www.teledyne-api.com/products/model_100e.asp</a>	Automated Equivalent Method: EQSA-0990-077 55 FR 38149, 9/17/90
<b>NO/ NO<sub>2</sub> /NO<sub>x</sub></b>	Teledyne Advanced Pollution Instrumentation Model 200A Chemiluminescence Nitrogen Oxides Analyzer for Ambient Concentrations <a href="http://www.teledyne-api.com/products/model_200e.asp">http://www.teledyne-api.com/products/model_200e.asp</a>	Automated Reference Method: RFNA-0691-082 56 FR 27014, 6/12/91
<b>O<sub>3</sub></b>	Teledyne Advanced Pollution Instrumentation Model 400 Photometric Ozone Analyzer <a href="http://www.teledyne-api.com/products/model_400e.asp">http://www.teledyne-api.com/products/model_400e.asp</a>	Automated Equivalent Method: EQOA-0992-087 57 FR 44565, 9/28/92 63 FR 31992, 6/11/98 67 FR 57811, 9/12/02
<b>CO</b>	Teledyne Advanced Pollution Instrumentation Model 300 CO Gas Filter Correlation Analyzer <a href="http://www.teledyne-api.com/products/model_300e.asp">http://www.teledyne-api.com/products/model_300e.asp</a>	Automated Reference Method: RFCA-1093-093 58 FR 58166, 10/29/93

## Southeast Region Air Basin Sites

Appendix C: Table C-2.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
P01	BRISTOL	42-017-0012	BUCKS	Roosevelt Junior High School Rockview Lane	40 06 27 74 52 57
P11	CHESTER	42-045-0002	DELAWARE	Front & Norris Streets	39 50 08 75 22 22
P21	NORRISTOWN	42-091-0013	MONTGOMERY	State Armory 1046 Belvoir Road	40 06 45 75 18 34
P30	NEW GARDEN (TOUGHKENAMON)	42-029-0100	CHESTER	1235 Newark Road New Garden Airport	39 50 04 75 46 05
P32	WEST CHESTER	42-029-0050	CHESTER	South Campus Road West Chester University	39 56 09 75 36 16

Appendix C: Table C-3.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
BUCKS	P01	X <sub>C10</sub>	X <sub>D2.5</sub>						X	X	X	X
DELAWARE	P11	X <sub>C10</sub>	X <sub>D2.5</sub>	X	X		X		X	X	X	
MONTGOMERY	P21	X <sub>C10</sub>	X <sub>D2.5</sub> X <sub>C2.5T</sub>						X	X	X	X
CHESTER	P30  P32		X <sub>D2.5</sub>	X							X  X	

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

X Parameter monitored at the site

X<sub>D10</sub> Discrete PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>D2.5</sub> Discrete PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Allentown - Bethlehem - Easton Air Basin Sites

Appendix C: Table C-4.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
A19	ALLENTOWN	42-077-0004	LEHIGH	Allentown State Hospital Rear 1600 Hanover Avenue	40 36 43 75 25 58
A20	EASTON	42-095-8000	NORTHAMPTON	Spring Garden	40 41 32 75 14 14
A25	FREEMANSBURG	42-095-0025	NORTHAMPTON	Washington & Cambria Streets	40 37 41 75 20 28

Appendix C: Table C-5.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
LEHIGH	A19	X <sub>C10</sub>	X <sub>D2.5</sub>						X	X	X	
NORTHAMPTON	A20		X <sub>C2.5</sub>						X		X	
	A25	X <sub>C10</sub>	X <sub>D2.5</sub> X <sub>C2.5</sub>	X					X	X	X	X

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

X Parameter monitored at the site

X<sub>D10</sub> Discrete PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
X<sub>D2.5</sub> Discrete PM<sub>2.5</sub> Sampler, FRM  
X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)



## Scranton - Wilkes-Barre Air Basin Sites

Appendix C: Table C-6.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
S01	SCRANTON	42-069-2006	LACKAWANNA	Behind Penn State Campus George Street	41 26 34 75 37 23
S26	NANTICOKE	42-079-1100	LUZERNE	255 Lower Broadway	41 12 33 76 00 13
S27	WILKES-BARRE CBD	42-079-2100	LUZERNE	North River Street	41 15 01 75 52 49
S28	WILKES-BARRE	42-079-1101	LUZERNE	Chilwick & Washington Streets	41 15 58 75 50 47
S29	PECKVILLE	42-069-0101	LACKAWANNA	Pleasant Avenue & Erie Street Wilson Fire Company No. 1	41 28 45 75 34 41

Appendix C: Table C-7.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
LACKAWANNA	S01	X <sub>C10</sub>	X <sub>D2.5</sub>	X					X	X	X	X
	S29										X	
LUZERNE	S26										X	
	S27											X
	S28	X <sub>C10</sub>	X <sub>D2.5</sub>						X	X	X	

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

X Parameter monitored at the site

X<sub>D10</sub> Discrete PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
X<sub>D2.5</sub> Discrete PM<sub>2.5</sub> Sampler, FRM  
X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Northeast Region Non-Air Basin Sites

Appendix C: Table C-8.

### Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
205	PALMERTON	42-025-0105	CARBON	New Jersey Zinc Research Bldg. Fourth Street & Franklin Avenue	40 48 12 75 36 31
211	SHENANDOAH	42-107-0003	SCHUYLKILL	Coal & Stadium Streets	40 49 14 76 12 44
A26	NAZARETH	42-095-1000	NORTHAMPTON	South Green & Delaware	40 44 04 75 18 46

Appendix C: Table C-9.

### Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
CARBON	205				X	X	X	X				
SCHUYLKILL	211								X			X
NORTHAMPTON	A26	X <sub>C10</sub>										

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

X Parameter monitored at the site

X<sub>D10</sub> Discrete PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>D2.5</sub> Discrete PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Reading Air Basin Sites

Appendix C: Table C-10.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
R01	READING	42-011-0009	BERKS	UGI Property 234 Morgantown Road	40 19 14 75 55 37
R10	LAURELDALE	42-011-1717	BERKS	Muhlenberg Township Authority Spring Valley Road Substation	40 22 38 75 54 53
R15	READING	42-011-0015	BERKS	Northwest Junior High School North Front & West Spring Streets	40 21 04 75 56 08

Appendix C: Table C-11.  
Parameters Monitored

COUNTY	PA SITE CODE	PM-10	PM-2.5	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
BERKS	R01	X <sub>C10</sub>	X <sub>D2.5</sub> X <sub>C2.5T</sub>						X	X	X	X
	R10				X	X	X	X				
	R15	X <sub>D10</sub>										

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

X Parameter monitored at the site

X<sub>D10</sub> Discrete PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>D2.5</sub> Discrete PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Lancaster Air Basin Sites

Appendix C: Table C-12.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
L01	LANCASTER	42-071-0007	LANCASTER	Lincoln Junior High School	40 02 49 76 17 00

Appendix C: Table C-13.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
LANCASTER	L01	X <sub>C10</sub>	X <sub>D2.5</sub> X <sub>C2.5T</sub>	X					X	X	X	X

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

X Parameter monitored at the site

X<sub>D10</sub> Discrete PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>D2.5</sub> Discrete PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Harrisburg Air Basin Sites

Appendix C: Table C-14.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
H11	HARRISBURG	42-043-0401	DAUPHIN	1833 UPS Drive	40 14 42 76 50 41
H16	HARRISBURG CBD	42-043-0102	DAUPHIN	PA Dept. of Agriculture Parking Lot 2301 North Cameron Street	40 17 09 76 52 53

Appendix C: Table C-15.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
DAUPHIN	H11	X <sub>C10</sub>	X <sub>D2.5</sub> X <sub>C2.5B</sub>	X					X	X	X	
	H16											X

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

X Parameter monitored at the site

X<sub>D10</sub> Discrete PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>D2.5</sub> Discrete PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## York Air Basin Sites

Appendix C: Table C-16.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
Y01	YORK	42-133-0008	YORK	Davis Junior High School Hill Street	39 57 56 76 41 59

Appendix C: Table C-17.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
YORK	Y01	X <sub>C10</sub>	X <sub>D2.5</sub> X <sub>C2.5T</sub>	X					X	X	X	X

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

X Parameter monitored at the site

X<sub>D10</sub> Discrete PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>D2.5</sub> Discrete PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Southcentral Region Non-Air Basin Sites

Appendix C: Table C-18.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
301	LYONS EAST	42-011-0717	BERKS	Near State & Kemp Streets	40 28 36 75 45 33
305	PERRY COUNTY	42-099-0301	PERRY	Little Buffalo State Park	40 27 26 77 09 57
306	HERSHEY	42-043-1100	DAUPHIN	Hershey Foods Technical Center Sipe Avenue & Mae Street	40 16 21 76 40 53
308	ALTOONA	42-013-0801	BLAIR	Ward Trucking Corporation Second Avenue & Seventh Street	40 32 07 78 22 15
310	KUTZTOWN	42-011-0001	BERKS	Kutztown State College Grim Science Building	40 30 40 75 47 11
313	METHODIST HILL	42-055-0001	FRANKLIN	Forest Road (High Elevation Site)	39 57 40 77 28 31
314	ARENDSVILLE	42-001-0001	ADAMS	Penn State Research Orchard	39 55 25 77 18 29
D14	BIGLERVILLE	42-001-0002	ADAMS	University Drive Penn State Research Orchard	39 56 06 77 15 10
316	CARLISLE	42-041-0101	CUMBERLAND	Imperial Court	40 14 48 77 11 12
375	LYONS SOUTH	42-011-0005	BERKS	Heffner & Dryville Roads	40 27 59 75 45 32

## Southcentral Region Non-Air Basin Sites

Appendix C: Table C-19.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
BERKS	301				X		X					
	310										X	
	375				X		X					
PERRY	305		X <sub>D2.5</sub>	X					X	X	X	
CUMBERLAND	316		X <sub>D2.5</sub>									
DAUPHIN	306										X	
FRANKLIN	313										X	
ADAMS	314		X <sub>D2.5</sub> X <sub>C2.5T</sub>	X						X		X
	D14										X	
BLAIR	308	X <sub>C10</sub>							X	X	X	X

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

X Parameter monitored at the site

X<sub>M10</sub> Manual PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
X<sub>M2.5</sub> Manual PM<sub>2.5</sub> Sampler, FRM  
X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)



## Northcentral Region Non-Air Basin Sites

Appendix C: Table C-20.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
410	MONTOURSVILLE	42-081-0100	LYCOMING	899 Cherry Street Rear Parking Lot of PA State Police	41 15 01 76 54 51
409	STATE COLLEGE	42-027-0100	CENTRE	Pennsylvania State University West of Big Hollow Road State College	40 48 40 77 52 38
D09	MOSHANNON	42-033-4000	CLEARFIELD	Moshannon State Forest Elliott State Park North of Cessna	41 07 03 78 31 34
D10	TIADAGHTON	42-081-4000	LYCOMING	Tiadaghton Sportmans Club Northeast of Haneyville	41 20 03 77 26 56
D11	PENN NURSERY	42-027-4000	CENTRE	Department of Conservation and Natural Resources Penn Nursery Facility South of Potters Mills	40 46 28 77 37 19
D13	TIOGA COUNTY	42-117-4000	TIOGA	North of Gleason	41 38 44 76 56 17

Appendix C: Table C-21.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
LYCOMING	410	X <sub>D10</sub>							X		X	
CENTRE	409 D11		X <sub>D2.5</sub>	X					X	X	X X	
CLEARFIELD	D09										X	
LYCOMING	D10										X	
TIOGA	D13										X	

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

X Parameter monitored at the site

X<sub>M10</sub> Manual PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
X<sub>M2.5</sub> Manual PM<sub>2.5</sub> Sampler, FRM  
X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Johnstown Air Basin Sites

Appendix C: Table C-22.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
J01	JOHNSTOWN	42-021-0011	CAMBRIA	Miller Auto Body Crafts Shop One Messenger Street	40 18 35 78 54 54
J08	EAST CONEMAUGH	42-021-0808	CAMBRIA	Recreation Field Citron Alley & First Street	40 20 53 78 52 58

Appendix C: Table C-23.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
CAMBRIA	J01	X <sub>C10</sub>	X <sub>D2.5</sub> X <sub>C2.5B</sub>						X	X	X	X
	J08				X	X	X	X				

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

X Parameter monitored at the site

X<sub>M10</sub> Manual PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
X<sub>M2.5</sub> Manual PM<sub>2.5</sub> Sampler, FRM  
X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Monongahela Valley Air Basin Sites

Appendix C: Table C-24.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
M01	CHARLEROI	42-125-0005	WASHINGTON	Borough Waste Treatment Plant Front Street	40 08 48 79 54 08
M16	MONESSEN	42-129-0007	WESTMORELAND	Monessen Community Center 435 Donner Avenue	40 10 00 79 52 30

Appendix C: Table C-25.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
WASHINGTON	M01	X <sub>C10</sub>	X <sub>D2.5</sub>						X	X	X	X
WESTMORELAND	M16	X <sub>D10</sub>			X	X	X	X				

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

X Parameter monitored at the site

X<sub>M10</sub> Manual PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>M2.5</sub> Manual PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Lower Beaver Valley Air Basin Sites

Appendix C: Table C-26.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
B05	VANPORT	42-007-0505	BEAVER	Vanport Water Works Tamaqui Drive	40 41 05 80 19 30
B11	BEAVER FALLS	42-007-0014	BEAVER	Eighth Street & River Alley	40 44 52 80 19 00
B23	HOOKSTOWN	42-007-0002	BEAVER	FAA Microwave Relay Tower	40 33 47 80 30 16
B27	BRIGHTON TOWNSHIP	42-007-0005	BEAVER	1015 Sebring Road	40 41 05 80 21 35

Appendix C: Table C-27.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
BEAVER	B05				X		X					
	B11	X <sub>C10</sub>	X <sub>D2.5</sub> X <sub>C2.5T</sub>						X	X	X	X
	B23								X		X	
	B27								X		X	

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

X Parameter monitored at the site

X<sub>M10</sub> Manual PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>M2.5</sub> Manual PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Allegheny County Air Basin Sites

Appendix C: Table C-28.  
Site Location

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
D12	PITTSBURGH	42-003-0010	ALLEGHENY	Carnegie Science Center	40 26 44 80 00 59

## Allegheny County Air Basin Sites

Appendix C: Table C-29.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
ALLEGHENY	D12							X	X	X	X

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

X Parameter monitored at the site

X<sub>M10</sub> Manual PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>M2.5</sub> Manual PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Southwest Region Non-Air Basin Sites

Appendix C: Table C-30.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
504	FLORENCE	42-125-5001	WASHINGTON	Hillman State Park	40 26 44 80 25 16
508	WASHINGTON	42-125-0200	WASHINGTON	McCarrell & Fayette Streets	40 10 14 80 15 42
510	MURRYSVILLE	42-129-0006	WESTMORELAND	Murrysville Volunteer Fire Co. Old William Penn Hwy & Sardis Ave.	40 25 41 79 41 35
512	KITTANNING	42-005-0001	ARMSTRONG	Glade Drive & Nolte Road PA State Police Barracks	40 48 51 79 33 54
513	GREENSBURG	42-129-0008	WESTMORELAND	Donohue Road PA Dept. of Transportation Bldg.	40 18 17 79 30 20
514	HOLBROOK	42-059-0002	GREENE	Field 5 km southeast of Holbrook	39 48 58 80 17 06

## Southwest Region Non-Air Basin Sites

Appendix C: Table C-31.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
WASHINGTON	504	X <sub>D10</sub>	X <sub>D2.5</sub>	X					X	X	X	
	508		X <sub>D2.5</sub>						X	X	X	
WESTMORELAND	510									X	X	
	513	X <sub>C10</sub>	X <sub>D2.5</sub>	X					X	X	X	X
ARMSTRONG	512		X <sub>C2.5T</sub>								X	
GREENE	514								X	X	X	X

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

X Parameter monitored at the site

X<sub>M10</sub> Manual PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
X<sub>M2.5</sub> Manual PM<sub>2.5</sub> Sampler, FRM  
X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Upper Beaver Valley Air Basin Sites

Appendix C: Table C-32.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
B21	NEW CASTLE	42-073-0015	LAWRENCE	Croton Avenue & Jefferson Street	40 59 45 80 20 48

Appendix C: Table C-33.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
LAWRENCE	B21	X <sub>C10</sub>							X	X	X	X

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

X Parameter monitored at the site

X<sub>M10</sub> Manual PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>M2.5</sub> Manual PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

## Erie Air Basin Sites

Appendix C: Table C-34.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
E10	ERIE	42-049-0003	ERIE	East 10th & Marne Streets	42 08 30 80 02 19
E12	ERIE CBD	42-049-0101	ERIE	West 12th & Myrtle Streets	42 07 14 80 05 21

Appendix C: Table C-35.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
ERIE	E10	X <sub>C10</sub>	X <sub>D2.5</sub>	X					X	X	X	
	E12											X

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

X Parameter monitored at the site

X<sub>M10</sub> Manual PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
 X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
 X<sub>M2.5</sub> Manual PM<sub>2.5</sub> Sampler, FRM  
 X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
 X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)



## Northwest Region Non-Air Basin Sites

Appendix C: Table C-36.  
Site Locations

PA SITE CODE	SITE NAME	EPA-AIRS SITE CODE	COUNTY	STREET ADDRESS	LATITUDE LONGITUDE
606	FARRELL	42-085-0100	MERCER	Farrell High School Field New Castle Road & Mercer Avenue	41 12 52 80 28 59
611	WARREN	42-123-0003	WARREN	School District Building 345 East 5th Avenue	41 51 26 79 08 15
612	WARREN	42-123-0004	WARREN	Overlook Site near Stone Hill Road	41 50 41 79 10 11

Appendix C: Table C-37.  
Parameters Monitored

COUNTY	PA SITE CODE	PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub> SPEC	TSP	SULFATES	LEAD	NITRATES	SULFUR DIOXIDE	NITROGEN DIOXIDE	OZONE	CARBON MONOXIDE
MERCER	606		X <sub>D2.5</sub>						X		X	
WARREN	611								X			
	612								X			

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

X Parameter monitored at the site

X<sub>M10</sub> Manual PM<sub>10</sub> Sampler, Federal Reference Method (FRM)  
X<sub>C10</sub> Continuous PM<sub>10</sub> Sampler, Federal Equivalent Method (FEM)  
X<sub>M2.5</sub> Manual PM<sub>2.5</sub> Sampler, FRM  
X<sub>C2.5T</sub> Continuous PM<sub>2.5</sub> Sampler (TEOM)  
X<sub>C2.5B</sub> Continuous PM<sub>2.5</sub> Sampler (BAM)

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