

Ohio Air Monitoring Network 2013-2014

6/28/2013

Requirements

As required by 40 CFR 58.10, Ohio EPA is providing an annual monitoring network plan for public review and comments. Ohio EPA will submit this plan with comments to the US EPA Region V Regional Administrator. There will be a 30 day comment period for the public to make comments on the plan and those comments will also be submitted to Region V. The Ohio Air Monitoring Network as it exists as of July 1, 2013 is included in the accompanying table.

Changes

The plan for Ohio's Air Monitoring Network for 2013-2014 is to make changes as required or necessary for the air monitoring network.

For sites that monitor for very fine particulate matter or PM_{2.5}, Ohio EPA expects to continue with monitoring or sampling for the PM_{2.5} Federal Reference Method at most of the sites as they existed at the beginning of 2013. Some changes that are not listed in these plans that will be posted by July 1, 2013 could occur in 2013 or 2014 as a result of the change in funding from 103 funds to 105 funds.

The ozone monitoring sites will have few changes for 2014. Ohio's current ozone monitoring sites should be sufficient to cover current ozone monitoring requirements.

PM₁₀ sampling sites in Ohio will remain at approximately the number of sites as in 2013.

Unplanned site changes occur to the network each year. Changes or temporary interruptions of sampling may occur because of events such as building or roof maintenance, construction, change of ownership of the site or other changes at the site that require moving the instruments. Some changes that may not be planned could include adding sites for complaint areas or for a new or proposed facility. Other changes that are planned may not actually happen because a new site cannot be secured or because of budget constraints.

New Federal requirements for monitoring for sulfur dioxide, nitrogen dioxide and carbon monoxide air pollutants were set in 2009. There were requirements for SO₂ sites in specific counties named by US EPA in the 2009 requirements that US EPA determined in 2012 were adequately met by existing SO₂ sites in Meigs County, Belmont County and other areas with existing SO₂ sites.

To meet requirements for Population Weighted Emission Inventory (PWEI) sites, Ohio has added a site in each of the areas of Toledo and Columbus.

Ohio added a NO₂ monitor to an existing ozone site as recommended by Region 5 monitoring staff for the requirement to add a NO₂ site as a community-wide site.

Three National Core Monitoring Network (NCORE) sites that started operating in Ohio in Cincinnati (Hamilton County DES), Cleveland and Dayton (RAPCA) agency jurisdictions continue to operate in 2013 and 2014. These NCORE sites monitor for sulfur dioxide, nitrogen oxides and carbon monoxide at trace concentration levels. Those sites added lead samplers to their monitoring equipment and lead sampling for lead January 1, 2012.

All site and parameter changes are made in consultation with and approval of the US EPA Region 5 air monitoring staff.

Guidance and Priorities

Ohio EPA follows the federal general guidance for air monitoring according to 40 CFR 58 Appendix D to monitor in areas of 1) expected high concentrations, 2) areas of high population density, 3) areas with significant sources, 4) general background concentration sites and 5) areas of regional transport of a pollutant. Not all air pollutants have sites for all of these categories.

In addition to the above guidance the Air Directors in the Region 5 states of Ohio, Michigan, Indiana, Illinois, Wisconsin and Minnesota have listed air monitoring objectives as:

- 1) Areas of high concentration and high population, provide timely air quality data to the public, support compliance with NAAQS and control strategy development and support air pollution research studies
- 2) Multi-pollutant monitoring such as the NCore sites
- 3) Source-oriented monitoring such as required monitoring for lead, nitrogen dioxide and sulfur dioxide
- 4) Rural monitoring and medium size city monitoring
- 5) Environmental justice monitoring
- 6) School air toxics monitoring

A fundamental consideration for all air monitoring projects and sites is that funding resources be available to operate and maintain the sites and equipment, to provide sample analyses and for data collection and reporting. Again as in past years there is a possibility that funding for PM2.5 sampling may shift from 103 grant funds to 105 grant funds. If it happens the change may limit the types and numbers of PM2.5 sampling that the state or local agency is able to support.

As of the time of publication of this list Ohio EPA plans to discontinue monitoring or has already discontinued monitoring at locations as shown in the table at:

- 2 volatile organic compound VOC site2, SOAQA
- 1 continuous PM2.5 site, Akron
- 1 sulfur dioxide site, SEDO

Ohio EPA has moved or started sites and instruments for:

- 1 VOC site, SOAQA
- 1 PM2.5 FRM collocated site, SEDO
- 1 PMcoarse site, Cleveland
- 1 PM10 site, Cleveland
- 3 sulfur dioxide sites, CDO, Toledo, SOAQA
- 1 nitrogen oxide site, CDO

Ohio EPA had anticipated that one ozone monitor would be required in each of Sandusky and Richland counties. However monitoring requirements changed and Ohio EPA was not required to set up monitors in those areas.

The largest air monitoring project for Ohio in 2013-14 is to set up monitoring shelters for near-road NO2 monitoring in Cincinnati, Cleveland and Columbus. In addition to NO2 monitors the sites will measure for CO and meteorological parameters. Other pollutants may be added in future years.

These plans are dependent upon securing adequate levels of funding to support existing monitoring and any changes to the air monitoring network. All of the plans are subject to approval by US EPA.

For questions about the Ohio Air Monitoring Network please contact:
Gary Engler at 614-644-3623.

Comments about the Ohio Air Monitoring Network may be emailed to:

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Fax number 614-644-3681

Address:

Ohio EPA
Air Monitoring Section
Division of Air Pollution Control
P.O. Box 1049, 50 West Town St.
Columbus, OH 43215

Cleveland	Cuyahoga Co.								
39-035-0034	891 E. 152 St.	41.555000	-81.575000	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Highest conc.	Urban	
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
39-035-0038	St. Theodosius, St. Tikon St.	41.476944	-81.681944	PM10	Gravimetric	1 in 3 day	Highest conc.	Neighborhood	
				PM2.5 SeqFRMColo	Gravimetric	1 in 3 day	Population	Neighborhood	Sampling to 1/3 on1/1/13
				TSP lead-metals	ICP	1 in 6 day	Highest conc.	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Highest conc.	Neighborhood	
				PM2.5 speciation	Ion Chromatograph	1 in 6 day	SIP info		
				Wind speed/dir					
				VOCs	GC MS	1 in 12 day			
39-035-0042	Fire Station 4, 3136 Lorain	41.482222	-81.708889	TSP-metals Colo	ICP	1 in 6 day	Highest conc	Middle	
39-035-0045	FS 13, 4950 Broadway Ave.	41.471667	-81.657222	PM10 Colo	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM2.5 Seq.FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
39-035-0049	Ferro Corp. E. 56 th St.	41.446667	-81.651111	TSP-leadmetals Colo	ICP	1 in 6 day	Highest conc.	Neighborhood	
39-035-0051	Galleria, E. Ninth & St. Clair	41.504444	-81.690278	Carbon monoxide	Infrared	Continuous	Highest conc.	Microscale	
39-035-0060	GT Craig, E. 14 th & Orange	41.491944	-81.678333	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM10 TEOM	Oscillating crystal	Continuous		Neighborhood	AQI-Not for NAAQS
				PM2.5 Seq.FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 TEOM FDMS	Oscillating crystal	Continuous	Population	Neighborhood	AQI-Not for NAAQS
				PM2.5 spec. Colo	Ion Chromatograph	1 in 3 day	SIP info		
				URG-3000	Carbon speciation	1 in 6 day	SIP information		
				TSP lead-metals	ICP	1 in 6 day	Highest conc.	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous			NCore
				NOy	Chemiluminescence	Continuous			NCore
				Carbon monoxide	Carbon monoxide	Infrared			NCore
				PM10 local	Gravimetric	1 in 3 day			NCore started 10/1/12
				PMcoarse	Gravimetric	1 in 6 day			Start 1/1/13
				Wind speed/wind dir.	Sonic				
				NO2	Chemiluminescence	Continuous	Population	Neighborhood	
39-035-0061	South side W. 3 rd St.	41.472222	-81.675278	TSP-lead-metals	ICP	1 in 6 day	Source-oriented	Middle	
39-035-0064	390 Fair St. Berea BOE	41.361667	-81.864722	Ozone	U.V. Photometric	Continuous	Highest conc.	Neighborhood	

39-035-0065	4600 Harvard Ave Newburgh	41.446389	-81.661944	PM10	Gravimetric	1 in 6 day	Highest conc.	Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Highest conc.	Neighborhood	
39-035-0069	Fire S. 22, 7300 Superior	41.519181	-81.637939	VOCs	GC MS	1 in 12 day			
39-035-0072	26565 Miles Rd., Warrensville	41.42585	-81.49078	TSP-Lead	ICP	1 in 6 day	Source oriented	Neighborhood	New lead site
39-035-1002	16900 Holland Road	41.395556	-81.818056	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				VOCs	GC MS	1 in 12 day			
39-035-5002	6116 Wilson Road, Mayfield	41.536667	-81.459167	Ozone	U.V. Photometric	Continuous	Population	Urban	
RAPCA	Clark Co.								
39-023-0001	5171 Urbana Rd., Springfield	40.000833	-83.804444	Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	
39-023-0003	5400 Spangler Rd., Enon	39.855556	-83.997500	Ozone	U.V. Photometric	Continuous	Highest conc.	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
39-023-0005	350 N. Fountain Rd., Springfield	39.928889	-83.809722	PM2.5 Sharp	Beta attenuation	Continuous	Population	Neighborhood	AQI-Not for NAAQS
	Greene Co.			PM2.5 BGI FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
39-057-0005	100 Dayton Rd. YellowSprings	39.808056	-83.886944	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM2.5 BGI FRMcolo	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 Sharp	Beta attenuation	Continuous	Population	Neighborhood	AQI-Not for NAAQS
39-057-0006	541 Ledbetter Rd., Xenia	39.665556	-83.943333	Ozone	U.V. Photometric	Continuous	Highest conc	Urban	
	Miami Co.								
39-109-0005	3825 N. Rt. 589, Castown	40.084722	-84.114722	Ozone	U.V. Photometric	Continuous	Highest conc	Urban	
	Montgomery Co								
39-113-0032	215 E. 3 rd St., Dayton Library	39.760278	-84.187778	PM2.5 FRM -Colo	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 Sharp	Beta attenuation	Continuous	Population	Neighborhood	AQI-Not for NAAQS
				Chem speciation	Ion Chromatograph	1 in 6 day	SIP information		
				URG-3000	Carbon speciation	1 in 6 day	SIP information		
39-113-0034	117 S. Main St., Dayton	39.757778	-84.191667	Carbon monoxide	Infrared	Continuous	Highest conc	Microscale	
39-113-0037	1401 Harshman Rd., Dayton	39.7850	-84.1345	Ozone	U.V. Photometric	Continuous	Population	Urban	

39-113-7001	2728 Viking Lane, Moraine	39.714167	-84.218056	PM10 –Colo	Gravimetric	1 in 6 day	Highest conc	Neighborhood	
				TSP-Pb,metals-Colo	ICP	1 in 6 day	Source oriented	Neighborhood	New colo metals site
	Preble Co.								
39-135-1001	St. Rt. 40, New Paris	39.835556	-84.720833	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Regional	
				PM2.5 Sharp	Beta attenuation	Continuous	Regional trasprt	Urban	AQI-Not for NAAQS
				Ozone	U.V. Photometric	Continuous		Regional	
				Sulfur dioxide	Pulsed Fluorescence	Continuous			NCore
				Carbon monoxide	Infrared	Continuous			NCore
				NOy	Chemiluminescence	Continuous			NCore
				PM10-2.5 Coarse	Gravimetric				NCore
				PM10 – LC-colo	Gravimetric				NCore
				Carbon elemental					NCore
				WSpeed/WDir					
MTAPCA	Mahoning Co.								
39-099-0005	Elm & Madison,Fire Station #7	41.111111	-80.645278	PM10-colo	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM2.5 SeqFRM Colo	Gravimetric	1 in 6 day	Population	Neighborhood	BGI PQ200 for Andrsn 1/17/13
39-099-0006	Superior & Oakland, Fire St. 5	41.116667	-80.669722	PM10-colo	Gravimetric	1 in 6 day	Population	Neighborhood	
39-099-0013	345 Oakhill Ave. Youngstown	41.096111	-80.658611	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
39-099-0014	345 Oakhill Ave. Youngstown	41.095868	-80.658426	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	AQI-Not for NAAQS
				Chem Speciation	Ion Chromatograph	1 in 6 day	SIP info		
				URG-3000	Carbon speciation	1 in 6 day	SIP information		
	Trumbull Co.								
39-155-0005	540 Laird Ave., Warren	41.230833	-80.801944	PM10-Colo	Gravimetric	1 in 6 day	Source-oriented	Middle	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	BGI PQ200 for Andersen 1/1/13
				PM2.5 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	AQI-Not for NAAQS
39-155-0006	Warren Water Treatment Plant	41.201944	-80.810550	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
39-155-0009	Kinsman Township Bldg, SR87	41.453889	-80.591667	Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	
39-155-0011	St. Rt. 193, Vienna, TCSEG	41.240077	-80.663142	Ozone	U.V. Photometric	Continuous	Reg. transport	Urban	
39-155-0012	2600Elmwood Dr.,Hubbard	41.17279	-80.422500	TSP-Lead Colo	ICP	1 in 6 day	Source oriented	Urban	May cease after 2013

39-145-0021	2446GalliaPike,FranklnFurnac	38.600611	-82.829762	PM10 TEOM	Oscillating crystal	Continuous	Background	Neighborhood	Required by permit
				VOCs	GC-MS	1 in 12 day			Required by permit
39-145-0022	1740GalliaPike,FranklnFurnac	38.588034	-82.834973	PM10 TEOM	Oscillating crystal	Continuous	Background	Neighborhood	Required by permit
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Background	Neighborhood	Required by permit
				VOCs	GC-MS	1 in 12 day			Required by permit
CDO	Delaware Co.								
39-041-0002	359 Main Rd., Delaware	40.356944	-83.063889	Ozone	U.V. Photometric	Continuous	Population	Urban	
	Franklin Co.								
39-049-0005	1585 Morse Rd., Columbus	40.060000	-82.976944	Carbon Monoxide	Infrared	Continuous	Highest conc.	Middle	
39-049-0024	State Fairgrounds, Columbus	39.998333	-82.993056	PM10-Colo	Gravimetric	1 in 6 day	Highest conc.	Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
39-049-0025	580 E.Woodrow Av. Columbus	39.928056	-82.981111	PM2.5 FRM -Colo	Gravimetric	1 in 3 day	Highest conc.	Neighborhood	
				TSP-lead-metals	ICP			Neighborhood	
39-049-0029	New Albany HS, New Albany	40.086667	-82.815556	PM2.5 BAM	Oscillating crystal	Continuous	Population	Neighborhood	AQI-Not for NAAQS
				Ozone	U.V. Photometric	Continuous	Highest conc.	Neighborhood	
39-049-0034	State Fairgrounds, Korbel Ave.	40.002500	-82.994444	PM2.5 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	AQI-Not for NAAQS
				VOCs	GC MS	1 in 12 day			
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population		PWEI, started 1/1/13
39-049-0037	Franklin Park, Broad St.	39.965278	-82.958056	Ozone	U.V. Photometric	Continuous	Population	Middle	
				NO2	Chemiluminescence	Continuous	Population	Middle	Started 4/1/2013
39-049-0081	Fire Station, Maple Canyon	40.087778	-82.959722	Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Highest conc.	Neighborhood	
				Chemical speciation	Ion Chromatograph	1 in 6 day	SIP information		
				URG-3000	Carbon speciation	1 in 6 day	SIP information		
	Knox Co.								
39-083-0002	Fire Station , Centerburg	40.309722	-82.691944	Ozone	U.V. Photometric	Continuous	Population	Urban	
	Licking Co.								
39-089-0005	Heath School, Heath	40.025833	-82.432778	Ozone	U.V. Photometric	Continuous	Population	Urban	
	Madison Co.								
39-097-0007	Madison School, London	39.788611	-83.475833	Ozone	U.V. Photometric	Continuous	Population	Urban	

NEDO	Ashtabula Co.								
39-007-1001	Conneaut Water Plt., Conneaut	41.959444	-80.572500	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Urban	
				Ozone	U.V. Photometric	Continuous	Population	Urban	
	Columbiana Co.								
39-029-0019	Columbiana PortAuthority,E.L.	40.631111	-80.546944	TSP-lead-metals	ICP	1 in 6 day	Population	Neighborhood	
39-029-0020	Water Treat. Plant, E.Liverpool	40.639722	-80.523889	TSP-lead-metals	ICP	1 in 6 day	Population	Neighborhood	
				PM10	Gravimetric	1 in 3 day	Population	Microscale	
				Wind speed/direction	Sonic				
39-029-0022	500 Maryland Ave,E.Liverpool	40.635000	-80.546667	TSP-leadmetals-Colo	ICP	1 in 6 day	Population	Microscale	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Microscale	
				PM10 Colocated	Gravimetric	1 in 6 day	Population	Microscale	
	Lorain Co.								
39-093-0018	Fire Station, Sheffield	41.420882	-82.095729	Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
39-093-3002	Barr School, Sheffield	41.463056	-81.114444	PM10 Colocated	Gravimetric	1 in 6 day			
				PM2.5Seq. FRMColo	Gravimetric	1 in 3 day	Source-oriented	Neighborhood	
				PM2.5 TEOM	Oscillating crystal	Continuous	Source-oriented	Neighborhood	AQI-Not for NAAQS
				Chemical speciation	Ion Chromatograph				
				URG-3000	Carbon speciation	1 in 6 day	SIP information		
NWDO	Allen Co.								
39-003-0009	Bath High. School, Lima	40.772222	-84.051944	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Urban	
				Ozone	U.V. Photometric	Continuous	Population	Urban	
				PM2.5 FRM BGI200	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM2.5 TEOM FDMS	Oscillating crystal	Continuous	AQI	Neighborhood	
	Fulton Co.								
39-051-0001	Van Buren St., Delta	41.575278	-83.996389	TSP-leadmetals Colo	ICP	1 in 6 day	Highest conc.	Microscale	
	Marion Co.								
39-101-0003	Nucor Steel, Hawthorne Ave.	42.57141	-83.13556	TSP-lead	ICP	1 in 6 day	Source-oriented	Neighborhood	New required site
39-101-0004	640 Bellefontaine Ave.			TSP-metals	ICP	1 in 6 day	Source-oriented	Neighborhood	New site 1/1/2012
	Ottawa Co.								
39-123-0014	Materion, Elmore			TSP – beryllium	ICP	7daysample			
	Wood Co.								
39-173-0003	NWDO Office,Bowling Green	41.378056	-83.611667	Ozone	U.V. Photometric	Continuous	Other	Urban	

39-167-0010	Ohio Valley Educa.. Center	39.413694	-81.475089	TSP-leadmetals-colo	ICP	I in 6 day	Population	Neighborhood	
SWDO	Clinton Co.								
39-027-1002	Laurel OaksSchool,Wilmington	39.430000	-83.788611	Ozone	U.V. Photometric	Continuous	Population	Urban	
	Logan Co.								
39-091-0006	Richard Ave., Bellefontaine	40.341111	-83.757778	TSP-lead-metals	ICP	1 in 6 day	Highest conc.	Neighborhood	Sampling continued

Notes/Explanations:

AQS is the Air Quality System maintained by US EPA for air quality data. In the AQS ID# the first 2 digits refer to the state. 39 is Ohio. The next 3 digits are the county within Ohio. The last 4 digits designate a specific site within the county.

All PM2.5 Seq. FRM sites, BGI FRM sites and BAMS sites are comparable to the PM2.5 NAAQS.

All Ozone sites are comparable to the NAAQS.

All sulfur dioxide, carbon monoxide and nitrogen dioxide sites are comparable to the NAAQS.

PM is Particulate Matter. PM10 means particulate matter of 10 microns in diameter or smaller. A micron is one millionth of a meter. PM2.5 is particulate matter 2.5 millionths of a meter in diameter or smaller. PM10 is fine particulate matter and PM2.5 is very fine particulate matter.

Monitoring instruments used for comparing to the National Ambient Air Quality Standards are designated as Federal Reference Methods (FRM) or Equivalent Methods.

PM2.5 Seq. FRM are samplers that sample for PM2.5 can hold multiple samples for Sequential sampling and are Federal Reference Methods (FRM).

Colocated or colo indicates a site with duplicate samplers for Quality Assurance purposes. Data is statistically compared from the two samplers for the same days. Duplicate samplers may sample at a I in 6 day schedule or possibly at a 1 in 12 day schedule.

Chem. Speciation sites are sites and samplers that collect PM_{2.5} samples that are analyzed for the chemical speciation make-up of the PM_{2.5} particulate matter.

U.V. Photometric indicates ultra-violet photometric, a method of detection for ozone concentrations.

U.V. fluorescence indicates ultra-violet fluorescence, a method of detection for sulfur dioxide concentrations.

VOCs are Volatile Organic Compounds. The method of collecting and analyzing whole air samples for VOCs in Ohio is TO-15. The collection utilizes a stainless steel canister for subsequent analysis by gas chromatograph-mass spectrometer. There are approximately 72 compounds scanned for in the analysis.

TSP – metals is the method of collecting Total Suspended Particulate by drawing an air sample through a filter media that is then analyzed at a laboratory for airborne metals including lead, arsenic, cadmium, chromium, nickel, zinc, manganese and beryllium and sometimes particulate mercury. Analysis is by ICP or Inductively Coupled Plasma Emission Spectroscopy or Graphite Furnace Atomic Absorption.

BAM indicates a Beta Attenuation Monitor, a method of detection for very fine particulates.

TEOM indicates a Tapered Element Oscillating Microbalance, a method of detection for very fine particulates.

SIP is State Implementation Plan that details how the state will implement controls that will bring the area into attainment status for a particular National Ambient Air Quality Standard. Chemical speciation sampling and analysis for PM_{2.5} aids helps to determine what control measures and plans will best control fine particulates.

Ohio Air Monitoring Agencies

The following organizations perform ambient air quality sampling in Ohio within specific areas of the state:

<p>Akron Regional Air Quality Management District 146 South High St. Akron, Ohio 44308 (330) 375-2480 Medina, Portage, Summit counties</p>	<p>City of Toledo Division of Environmental Services 348 South Erie St. Toledo, Ohio 43604 (419) 936-3015 Lucas County</p>
<p>Air Pollution Control Division Canton City Health Department 420 Market Ave. North Canton, Ohio 44702-1544 (330) 489-3385 Stark County</p>	<p>Mahoning-Trumbull APC Agency 345 Oak Hill Ave. Youngstown, Ohio 44502 (330) 743-3333 Mahoning, Trumbull counties</p>
<p>Hamilton County Dept. of Environmental Services 250 William Howard Taft Road Cincinnati, Ohio 44702-1544 (330)-489-3385 Hamilton, Butler, Warren, Clermont counties</p>	<p>Ohio EPA Central District Office 50 West Town St. Columbus, Ohio 43604 (614) 728-3778</p>
<p>Cleveland Department of Public Health & Welfare Division of the Environment 1925 St. Clair Ave. Cleveland, Ohio 44114 (216) 664-2324 Cuyahoga County</p>	<p>Ohio EPA Southeast District Office 2195 Front St. Logan, Ohio 43138 (740) 385-8501</p>
<p>Regional Air Pollution Control Agency Montgomery County Health Department 117 South Main St. P.O. Box 972 Dayton, Ohio 45422-1280 (937) 225-4435 Montgomery, Preble, Darke, Miami, Clark, Greene</p>	<p>Ohio EPA Northeast District Office 2110 Aurora Rd. Twinsburg, Ohio 44087 (330) 425-9171</p>

<p>Air Pollution Unit Portsmouth City Health Department 605 Washington Street Portsmouth, Ohio 45662 (740) 353-5156 Brown, Adams, Scioto, Lawrence</p>	<p>Ohio EPA Southwest District Office 401 East Fifth St. Dayton, Ohio 45402-2911 (937) 285-6357</p>
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