

Ohio Air Monitoring Network 2009-2010

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, 2009 is included in the accompanying table.

The plan for Ohio's Air Monitoring Network for 2009-2010 is to make changes as required or necessary for the air monitoring network. The most significant change this year will be the addition of lead sampling sites to adjust to the change made in the National Ambient Air Quality Standard for lead. The lead standard has been lowered from 1.5 micrograms per cubic meter to 0.15 micrograms per cubic meter on a per month average. The complete lead monitoring network plans as they exist as of July 1, 2009 are included in Attachment I. The exact locations of new sampling sites at new facilities have not been identified although each of those sites have been modeled to identify the high concentration sites.

For other pollutant parameters the portion of the network including very fine particulate matter or PM_{2.5}, Ohio EPA expects to continue with monitoring or sampling at the existing PM_{2.5} Federal Reference Method at most of the sites where they existed at the beginning of 2009. The ozone monitoring sites will have only a few changes for 2010.

Changes occur to the network occur each year that are unplanned. Changes 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 are planned may include adding additional sites for complaint areas or for some new or proposed facility. Some changes that are planned may not actually happen because a new site cannot be secured or because of budget constraints.

The Federal requirements for monitoring for sulfur dioxide, nitrogen dioxide and carbon monoxide air pollutants were changed in late 2006 to no longer require minimum numbers of monitors for those parameters. The National Ambient Air Quality Standards (NAAQS) still exist for those parameters and Ohio will still maintain sites and monitors for those air pollutants. There will be some reductions in numbers of sites and monitors for those pollutants but a monitoring effort will still be maintained. Two new NCORE sites have started operating in Ohio and another should come on-line later this year or next year. These NCORE sites monitor for sulfur dioxide, nitrogen oxides and carbon monoxide at trace levels of pollutants.

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

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 areas of the state have sites for all of these categories.

An important consideration of all air monitoring projects and sites is that funding resources be available to operate and maintain the sites and equipment, to provide sample analysis and for data collection and reporting. Funding amounts change from year to year.

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:

- 1 sulfur dioxide site, CDO
- 1 carbon monoxide site, Cleveland
- 1 nitrogen dioxide site, Cleveland
- 0 fine particulate matter or PM10 sites
- 2 very fine particulate matter or PM2.5 sites, 2 Hamco
- 0 ozone sites
- 3 TSP for lead/metals sites, 3 SWDO

Ohio EPA plans to move sites and instruments for:

- 4 PM2.5 sites, 1 Portsmouth, 1 Lake, 1 MTAPCA, 1 Toledo
- 1 PM2.5 chemical speciation site, Portsmouth
- 2 PM10 sites, Portsmouth, NEDO
- 2 sulfur dioxide site, 1 Lake, 1 NWDO
- 3 ozone sites, 1 Canton, 1 Lake, 1 NWDO
- TSP for metals site - see lead monitoring plan

Ohio EPA plans to add sites or monitors for:

- 1 continuous PM2.5 site with FRM, NWDO
- 1 rural NCore site for trace SO₂, CO and NO_y, RAPCA
- 7-9 TSP for lead/metals sites- see lead monitoring plans

US EPA revised the lead standard in 2008 to a lower concentration. Ohio will add several new lead sites that will begin operation by January 1, 2010. There will be approximately 7 new lead sites to its network of sampling sites. Details may be found in the separate Lead Monitoring Plan.

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, David Ambrose at 614-644- 3620 or Randy Hock at 614-644-3619.

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

gary.engler@epa.state.oh.us, dave.ambrose@epa.state.oh.us or randy.hock@epa.state.ou.us

Fax number 614-644-3681

Address:

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

39-017-1004	Hook Field Airport	39.530000	-84.392500	PM2.5 BAMS	Beta attenuation	Continuous	Highest conc.	Urban	
				Chemical speciation	Ion Chromatograph	1 in 6 day	SIP information		
				Chemical speciation		Frequent	SIP information		URG-3000 carbon
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Population	Urban	
				Wind speed/wind dir.	Sonic				
	Clermont Co.								
39-025-0022	2400 Clermont Drive, Batavia	39.083056	-84.144167	PM2.5 Seq.FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 TEOM FDMS	Oscillating crystal	Continuous	Population	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	
				Wind speed/wind dir.	Sonic				
	Hamilton Co.								
39-061-0001	Public Library, Vine St.	39.1047	-84.5136	TSP metals	ICP	1 in 6 day	Population	Neighborhood	
39-061-0006	11590 Grooms Rd.,Sycamore	39.279444	-84.366389	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 BAMS	Beta Attenuation	Continuous	Population	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	
39-061-0010	6950 Ripple Rd. Colerain	39.216389	-84.699722	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	NCORE trace SO2
				Ozone	U.V. Photometric	Continuous	Population	Urban	
				Carbon monoxide	Infared	Continuous	Population	Middle	NCORE trace CO
				NOy	Chemiluminescence	Continuous			NCORE NOy
				PM2.5 Continuous					
				PM2.5 FRM					
39-061-0014	Carthage Fire, Seymour/Vine	39.194167	-84.478889	PM10	Gravimetric	1 in 6 day	Highest conc.	Middle	
				PM2.5 SeqFRM Colo	Gravimetric	1 in 1 day	Population	Neighborhood	Everyday sampler
				VOCs	GC MS	1 in 12 day			
				Wind speed/wind dir.					
39-061-0021	Federal Bldg.,100 E.5 th St.Cinti	39.101944	-84.509722	Carbon monoxide	Infared	Continuous	Highest conc.	Microscale	
39-061-0040	250 Taft Rd. Cincinnati	39.128611	-84.504167	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM10 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	
				PM2.5 SC FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 TEOM/FDMS	Oscillating crystal	Continuous	Population	Neighborhood	
				PM2.5 speciation	Ion Chromatograph	1 in 6 day	SIP info		
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
				NO2	Chemiluminescence	Continuous	Population	Neighborhood	
				Wind speed/wind dir	Sonic				
				Haze camera					

39-061-0042	Lower Price Hill, 8 th St. Cinti	39.105000	-84.551111	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
39-061-0043	3254 Kemper Rd. Sharonville	39.290278	-84.414444	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	Site discont. 12/31/08
39-061-5001	Wyoming & Cooper, Lockland	39.226389	-84.453889	PM10 –Colo	Gravimetric	1 in 6 day	Population	Neighborhood	
39-061-7001	2059 Sherman Ave. Norwood	39.160000	-84.457778	PM2.5 SC FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
39-061-8001	300 Murray Rd.	39.180278	-84.491944	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Highest conc.	Neighborhood	
	Warren Co.			PM2.5 speciation	Ion Chromatograph	1 in 6 day	SIP info		
39-165-0007	416 Southeast St., Lebanon	39.427900	-84.202200	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Max ozone	Urban	
				Wind speed/wind dir.					
Cleveland	Cuyahoga Co.								
39-035-0027	Dunbar Elem., 2200 28 th St.	41.477500	-81.703056	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
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	
				PM2.5 TEOMFDMS	Oscillating crystal	Continuous	Population	Neighborhood	
				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		
				Chem speciation	Carbon speciation				URG-3000
				Wind speed/dir					
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	
39-035-0048	2026 E. Ninth St.	41.499444	-81.686389	Carbon monoxide	Infared	Continuous	Highest conc.	Microscale	Discontinued 11/6/08
39-035-0049	Ferro Corp. E. 56 th St.	41.446667	-81.651111	TSP-leadmetals Colo	ICP	1 in 6 day	Highest conc.	Neighborhood	

39-099-0013	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	
				Chem Speciation	Ion Chromatograph	1 in 6 day	SIP info		
	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	From 155-0007
				PM2.5 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	From 155-0007
39-155-0006	Water Plant	41.201944	-80.810550	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	From 155-0007
39-155-0007	2609 Draper St., Warren	41.214167	-80.787500	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	Discontinued 11/24/08
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 TEOM	Oscillating crystal	Continuous	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	41.240077	-80.663142	Ozone	U.V. Photometric	Continuous	Reg. transport	Urban	
Lake Co.	Geauga Co.								
39-055-0004	Notre Dame School, Munson	41.515000	-81.249444	Ozone	U.V. Photometric	Continuous	Population	Urban	
	Lake Co.								
39-085-0003	Jefferson School, Eastlake	41.673056	-81.422500	Sulfur dioxide	Pulsed Fluorescence	Continuous		Neighborhood	
				Ozone	U.V. Photometric	Continuous	Highest conc.	Neighborhood	
39-085-0006	8443 Mentor Ave., Mentor	41.666667	-81.339167	Carbon monoxide	Infrared	Continuous	Highest conc.	Microscale	
39-085-0007	177 Main St., Painesville	41.726811	-81.242156	PM2.5SeqFRMColo	Gravimetric	1 in 3 day	Highest conc.	Urban	Replaced Site 085-3002
				PM2.5 TEOM FDMS	Oscillating crystal	Continuous	Highest conc.	Urban	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Source-oriented	Middle	
				Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	
39-085-1001	Fairport High School, Fairport	41.755000	-81.273056	PM10-Colo	Gravimetric	1 in 6 day	Highest conc.	Neighborhood	Complaint area
39-085-3002	Lake Hospital, Painesville	41.722500	-81.241944	PM2.5SeqFRMColo	Gravimetric	1 in 3 day	Highest conc.	Urban	Discontinued 12/31/08
				PM2.5 TEOM	Oscillating crystal	Continuous	Highest conc.	Urban	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Source-oriented	Middle	
				Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	

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	Better location preferred
39-049-0029	New Albany HS, New Albany	40.086667	-82.815556	PM2.5 TEOMFDMS	Oscillating crystal	Continuous	Population	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Highest conc.	Neighborhood	
39-049-0034	State Fairgrounds, Korbel Ave.	40.002500	-82.994444	PM2.5 TEOMFDMS	Oscillating crystal	Continuous	Population	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	To discontinue 6/30/09
				VOCs	GC MS	1 in 12 day			
				Carbonyl sampler		1 in 6 day			
39-049-0036	Lazarus GC, FrontSt,Columbus	39.959444	-83.001944	Carbon monoxide	Infared	Continuous	Highest conc.	Microscale	Not replaced yet.
39-049-0037	Franklin Park, Broad St.	39.965278	-82.958056	Ozone	U.V. Photometric	Continuous	Population	Middle	
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		
				Chemical speciation	Carbon speciation				URG-3000
	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 6 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	Still have this site
				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 TEOMFDMS	Oscillating crystal	Continuous	Source-oriented	Neighborhood	
				Chemical speciation	Ion Chromatograph				
				Chemical speciation	Carbon speciation				URG-3000
NWDO	Allen Co.								
39-003-0002	Bath High. School, Lima	40.772222	-84.051944	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Urban	New shelter site
				Ozone	U.V. Photometric	Continuous	Population	Urban	needs electric service
				PM2.5 FRM	Gravimetric	1 in 6 day	Population	Neighborhood	To go in new shelter
				PM2.5 TEOM FDMS	Oscillating crystal	Continuous	AQI	Neighborhood	To go in new shelter
39-003-0006	Nat.Lime/Stone,FindlyRdLima	40.752500	-84.085556	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
39-003-0007	Nat.Lime/Stone,RouchRd Lima	40.752500	-84.070000	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
39-003-0008	Nat.Lime/Stone, NorthStLima	40.744167	-84.093889	PM10	Gravimetric	1 in 6 day	Population	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	
	Hancock Co.								
39-063-0002	Nat.Lime/Stone,CR313Findlay	41.010556	-83.688056	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
39-063-0003	Nat.Lime/Stone,CR313Findlay	41.012778	-83.696944	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
39-063-0004	Nat.Lime/Stone,CR144Findlay	41.023611	-83.685556	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
39-123-0014	Brush Wellman, 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	
SEDO	Athens Co.								
39-009-0003	St. Rt. 377, Gifford Forest	39.442500	-81.908611	PM2.5 Seq. FRM	Gravimetric	1 in 6 day	Background	Regional	Background site
	Belmont Co.								
39-013-3002	E. 40 th St. Shadyside Treatment	39.968056	-80.747500	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
	Jefferson Co.								
39-081-0001	1004 3 rd St., Brilliant	40.261389	-80.633611	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
39-081-0017	618 Logan St. , Steubenville	40.366104	-80.615002	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
				PM10-colo	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 TEOMFDMS	Oscillating crystal	Continuous	AQI	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
				VOCs	GC MS	1 in 12 day			

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 PM2.5 samples that are analyzed for the chemical speciation make-up of the PM2.5 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 is 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 PM2.5 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:

Akron Regional Air Quality Management District 146 South High St. Akron, Ohio 44308 (330) 375-2480 Medina, Portage, Summit counties	City of Toledo Division of Environmental Services 348 South Erie St. Toledo, Ohio 43604 (419) 936-3015 Lucas County
Air Pollution Control Division Canton City Health Department 420 Market Ave. North Canton, Ohio 44702-1544 (330) 489-3385 Stark County	Mahoning-Trumbull APC Agency 345 Oak Hill Ave. Youngstown, Ohio 44502 (330) 743-3333 Mahoning, Trumbull counties
Hamilton County Dept. of Environmental Services 250 William Howard Taft Road Cincinnati, Ohio 44702-1544 (330)-489-3385 Hamilton, Butler, Warren, Clermont counties	Ohio EPA Central District Office 50 West Town St. Columbus, Ohio 43604 (614) 728-3778
Department of Public Health & Welfare Division of the Environment 1925 St. Clair Ave. Cleveland, Ohio 44114 (216) 664-2324 Cuyahoga County	Ohio EPA Southeast District Office 2195 Front St. Logan, Ohio 43138 (740) 385-8501

<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>Lake County Health Department Air Pollution Control 33 Mill St. Painesville, Ohio 44077 (440) 350-2543 Lake, Geauga counties</p>	<p>Ohio EPA Northwest District Office 347 North Dunbridge Rd. Bowling Green, Ohio 43402 (419) 352-8461</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>

State of Ohio Monitoring Network 2010

Ozone Sites



Nitrogen Dioxide



Lead Sites (Current)



New Lead Sites for Sources



Sulfur Dioxide



Carbon Monoxide



Ten Micron Particulate (PM₁₀)



PM_{2.5} Federal Reference Monitors



PM_{2.5} Continuous



PM_{2.5}

Speciation

