Ohio Air Monitoring Network 2007-2008

As required by 40 CFR 58.10 Ohio EPA is providing an annual monitoring network plan for public review and comments. After a 30 day comment period Ohio EPA will submit this plan with comments to the US EPA Region V Regional Administrator. The Ohio Air Monitoring Network as it exists as of August 15, 2007 is included in the accompanying table.

The plan for Ohio's Air Monitoring Network for 2007-2008 is to make relatively few changes to the air monitoring network overall. There will be a few site/instrument reductions for sulfur dioxide, carbon monoxide, nitrogen dioxide and fine particulate matter or PM10. These changes were determined as prudent to make because of historical data that shows certain sites and areas have been in compliance with and lower than the National Ambient Air Quality standards for several years.

For the portion of the network that measures very fine particulate matter or PM2.5, Ohio EPA expects to continue with monitoring or sampling at the existing PM2.5 Federal Reference Method sites much as they existed at the beginning of 2007. For the monitors that measure ozone concentrations those instruments and sites will also remain mostly unchanged.

Slight changes to the network occur each year that are unplanned. There are changes that 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 special studies or for areas of complaints for some new or proposed facility.

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 or 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.

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 that is 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 or areas of the state may 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, provide for sample analysis, data collection and reporting.
As of the time of publication of this list Ohio EPA plans to discontinue monitoring at locations as shown in the table at:

4 sulfur dioxide sites
1 carbon monoxide site
1 nitrogen dioxide site
6 fine particulate matter or PM10 sites
2 very fine particulate matter or PM2.5 sites
1 ozone site
5 TSP for metals or lead sites

Ohio EPA plans to move sites and instruments for:

3 PM2.5 sites
2 PM2.5 chemical speciation sites
1 PM10 site
1 TSP-metals site

Ohio EPA plans to add sites for:

1 combined PM2.5, ozone, sulfur dioxide and TSP-metals site
1 continuous PM10 site
1 continuous PM2.5 site with FRM

All of the plans are subject to approval by US EPA.

For questions about the Ohio Air Monitoring Network please contact:
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Ohio Air Monitoring Network – 2007-2008

AQS ID # Air Agency	County Address	Latitude	Longitude	Sampling Method	Analysis	Schedule	Monitoring Objective	Spatial Scale	Comments
Akron	Cleveland-Elyria-Mentor MSA Medina Co.								
39-103-0003	Deerview Ln Layfayete Twp	41.102778	-81.911667	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Urban	
				PM2.5 TEOM	Oscillating crystal	Continuous	Population	Urban	
				Ozone	U.V. Photometric	Continuous	Population	Regional	
	Cleveland-Elyria-Mentor MSA Portage. Co.								
39-133-0002	531 Washington Ave. Ravenna	41.164167	-81.235000	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
39-133-1001	1570 Ravenna Rd.,Kent	41.182500	-81.330278	Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	
	Cleveland-Elyria-Mentor MSA Summit Co.								
39-153-0017	East High St., Akron	41.063333	-81.468611	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Highest conc.	Neighborhood	
39-153-0020	800 Patterson Ave, Akron	41.106111	-81.503889	Ozone	U.V. Photometric	Continuous	Population	Urban	
				Carbon monoxide	Infared	Continuous	Population	Neighborhood	
39-153-0022	177 Broadway, Akron	41.080278	-81.516389	Carbon monoxide	Infared	Continuous	Highest conc.	Microscale	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
39-153-0023	W. Exchange St. Akron	41.088056	-81.541667	PM2.5 FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				Chemical speciation	Ion Chromatograph	1 in 6 day	SIP information		
Canton	Canton-Massillon MSA Stark Co.								
39-151-0016	515 25th St., Canton	40.827778	-81.378611	Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
39-151-0017	1313 Dueber Ave.,Canton	40.786667	-81.394444	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Highest conc.	Neighborhood	
				PM2.5 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	Adding mid 2007
				Chemical speciation	Ion Chromatograph	1 in 6 day	SIP information		
39-151-0020	420 Market Ave., Canton	40.800556	-81.373333	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				Carbon monoxide	Infared	Continuous	Population	Middle	
				PM2.5 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	

39-151-0021	245 West Fifth St.,Brewster	40.708685	-81.601256	Ozone	U.V. Photometric	Continuous	Background	Urban	
39-151-4005	1175 W. Vine St. Alliance	40.930833	-81.123611	Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	
Toledo	Toledo MSA Lucas Co.								
39-095-0008	600 Collins Park	41.663333	-83.476667	Sulfur dioxide	Pulsed Fluorescence	Continuous	Highest conc.	Neighborhood	To be discontinued
39-095-0024	340 Erie St., Toledo	41.644167	-83.546667	PM2.5 TEOM	Oscillating crystal	Continuous	Highest conc.	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	To be discontinued
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Highest conc.	Neighborhood	
39-095-0025	600 Collins Park, Toledo	41.661944	-83.479444	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	Relocate on site
39-095-0026	2550 Airport Highway	41.620556	-83.641389	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Highest conc.	Neighborhood	
				Chemical speciation	Ion Chromatograph	1 in 6 day			
39-095-0027		41.494722	-83.718611	Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
39-095-0034	306 N. Yandata	41.675556	-83.306944	Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	
39-095-0081	2930 131st St., Toledo	41.719444	-83.475000	Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	Discontinue after 07
39-095-1003	Lee & Front St., Toledo	41.719444	-83.475000	PM10 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	
Hamco DES	Cincinnati-Middletown MSA Butler Co.								
39-017-0003	Verity HS, Middletown	39.493611	-84.353889	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			
39-017-0004	Schuler & Bender Ave, Hamltn	39.383333	-84.54416	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	Discontinue in 08
				Ozone	U.V. Photometric	Continuous	Population	Urban	
39-017-0015	301 Lefferson, Middletown	39.489167	-84.357778	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
				TSP metals	ICP	1 in 6 day	Population	Neighborhood	
39-017-0016	400 Nilles Rd., Fairfield	39.338333	-84.566389	PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Urban	
39-017-1004	Hook Field Airport	39.530000	-84.392500	PM2.5 FRM	Gravimetric	1 in 3 day	Highest conc.	Urban	Discontinue in 08
				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	
	Cincinnati-Middletown MSA 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	Oscillating crystal	Continuous	Population	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	

	Cincinnati-Middletown MSA 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.	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	Trace SO2
				Ozone	U.V. Photometric	Continuous	Population	Urban	
				Carbon monoxide	Infared	Continuous	Population	Middle	Trace CO
				NOy	Chemiluminescence	Continuous			Future NCORE site
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 6 day	Population	Neighborhood	
				VOCs	GC MS	1 in 12 day			
39-061-0021	FountainSquare5th/WalnutCinti	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 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 TEOM	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	
39-061-0042	2101 W. Eighth St. Cincinnati	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	
39-061-5001	Wyoming & Cooper, Lockland	39.226389	-84.453889	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
39-061-7001	2059 Sherman Ave. Norwood	39.160000	-84.457778	PM2.5 FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
39-061-8001	300 Murray Rd.	39.180278	-84.491944	PM2.5 FRM	Gravimetric	1 in 3 day	Highest conc.	Neighborhood	
				PM2.5 speciation	Ion Chromatograph	1 in 6 day	SIP information		
	Cincinnati-Middletown MSA Warren Co.								
39-165-0007	416 Southeast, 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	
Cleveland	Cleveland-Elyria-Mentor MSA Cuyahoga Co.								
39-035-0027	Dunbar Elem., 2200 28th 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 6 day	Highest conc.	Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				TSP-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		
39-035-0042	Fire Station 4, 3136 Lorain	41.482222	-81.708889	TSP-metals	ICP	1 in 6 day	Highest conc	Middle	
39-035-0045	4950 Broadway Ave.	41.471667	-81.657222	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM2.5 Seq.FRM	Gravimetric	1 in 6 day	Population	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
				TSP-metals	ICP	1 in 6 day		Neighborhood	
39-035-0048	2026 E. Ninth St.	41.499444	-81.686389	Carbon monoxide	Infared	Continuous	Highest conc.	Microscale	To be discontinued
39-035-0049	Ferro Corp. E. 56th St.	41.446667	-81.651111	TSP-metals	ICP	1 in 6 day	Highest conc.	Neighborhood	
39-035-0050	Fortran Printing, Grant Ave.	41.442500	-81.649167	TSP-metals	ICP	1 in 6 day	Highest conc.	Neighborhood	
39-035-0051	E. Ninth & St. Clair	41.504444	-81.690278	Carbon monoxide	Infared	Continuous	Highest conc.	Microscale	
39-035-0053	4160 Pearl Rd. ,Broadview	41.441667	-81.703889	Carbon monoxide	Infared	Continuous	Highest conc.	Microscale	
39-035-0060	GT Craig, E. 14th & Orange	41.491944	-81.678333	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	Future NCORE
				PM10 TEOM	Oscillating crystal	Continuous		Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
				NO2	Chemiluminescence	Continuous	Population	Neighborhood	
				PM2.5 speciation	Ion Chromatograph	1 in 6 day	SIP info		
39-035-0061	South side W. 3rd St.	41.472222	-81.675278	TSP-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 6 day	Population	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Highest conc.	Neighborhood	
39-035-0067	Independence BOE	41.388140	-81.635077	VOCs	GC MS	1 in 12 day			
39-035-0068	7629 Broadway	41.454791	-81.634757	TSP-metals	ICP	1 in 6 day	Population	Neighborhood	Discontinued
				VOCs	GC MS	1 in 12 day			
39-035-0069	Fire S. 22, 7300 Superior	41.519181	-81.637939	TSP-metals	ICP	1 in 6 day	Population	Neighborhood	Discontinued
				VOCs	GC MS	1 in 12 day			
39-035-0070	13013 Corlett Ave.	41.456941	-81.592226	Carbon monoxide	Infared	Continuous	Population	Neighborhood	
				NO2	Chemiluminescence	Continuous	Population	Neighborhood	To be discontinued
39-035-0071	Community College AveCleve.	41.494325	-81.670003	VOCs	GC MS	1 in 12 day			Discontinue asap
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 6 day	Population	Neighborhood	
39-035-5002	6116 Wilson Road, Mayfield	41.536667	-81.459167	Ozone	U.V. Photometric	Continuous	Population	Urban	

RAPCA	Springfield Oh MSA 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	3825 SR 389, Castown	39.928889	-83.809722	PM2.5 BAMS	Beta attenuation	Continuous	Population	Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
	Dayton Oh MSA Greene Co.								
39-057-0005	100 Dayton Rd. YellowSprings	39.808056	-83.886944	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1in 3 day	Population	Neighborhood	
				PM2.5 TA BAM	Beta attenuation	Continuous	Population	Neighborhood	
39-057-0006	541 Ledbetter Rd., Xenia	39.665556	-81.249444	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.								
39-113-0028	901 W. Fairview, Dayton	39.787222	-84.226111	Carbon monoxide	Infared	Continuous	Population	Neighborhood	
39-113-0032	215 E. 3rd St., Dayton Library	39.760278	-84.187778	PM2.5 FRM -Colo	Gravimetric	1 in 3 day	Population	Neighborhood	1/1 schedule in Jan. 08
				PM2.5 TA BAM	Beta attenuation	Continuous	Population	Neighborhood	
				PM2.5 speciation	Ion Chromatograph	1 in 6 day	SIP information		
				Chem speciation	Carbon speciation				URG-3000 fall 07
39-113-0033	4040 Webster St. , Dayton	39.780674	-84.182240	Ozone	U.V. Photometric	Continuous	Population	Urban	
39-113-0034	117 S. Main St., Dayton	39.757778	-84.191667	Carbon monoxide	Infared	Continuous	Highest conc	Microscale	
39-113-7001	2728 Viking Lane, Moraine	39.714167	-84.218056	PM10 –Colo	Gravimetric	1 in 6 day	Highest conc	Neighborhood	
				PM10	Beta attenuation	Continuous	Highest conc.	Neighborhood	Add continuous PM10
	Dayton Oh MSA 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	Eventual rural NCORE
				PM2.5 TA BAM	Beta attenuation	Continuous	Regional trasprt	Urban	
				Ozone	U.V. Photometric	Continuous		Regional	
MTAPCA	Youngstown-Warren-Boardmn Mahoning Co.								
39-099-0005	Elm & Madison,Fire Station #7	41.111111	-80.645278	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
				PM2.5 Seq FRM colo	Gravimetric	1 in 3 day	Population	Neighborhood	
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	
				Chem Speciation	Ion Chromatograph	1 in 6 day	SIP info		
	Youngstown-Warren-Boardmn Trumbull Co.								
39-155-0005	540 Laird Ave., Warren	41.230833	-80.801944	PM10-col	Gravimetric	1 in 6 day	Source-oriented	Middle	
39-155-0006	2323 Main Ave., Warren	41.201944	-80.810556	PM10	Gravimetric	1 in 6 day	Highest conc.	Neighborhood	To be discontinued
39-155-0007	2609 Draper St., Warren	41.214167	-80.787500	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
				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.	Cleveland-Elyria-Mentor MSA Geauga Co.								
39-055-0004	Notre Dame School, Munson	41.515000	-81.249444	Ozone	U.V. Photometric	Continuous	Population	Urban	
	Cleveland-Elyria-Mentor MSA 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	Infared	Continuous	Highest conc.	Microscale	
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	PM2.5 FRM-colo	Gravimetric	1 in 3 day	Highest conc.	Urban	
				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	
Portsmouth	Not in a MSA Adams Co.								
39-001-0001	Adams Cnty Hosptal, W.Union	38.795000	-83.535278	PM2.5 TA-BAM	Beta attenuation	Continuous	Population	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
	Huntington-Ashland MSA Lawrence Co.								
39-087-0006	Ironton Health Dept., Eighth St	38.520278	-82.666667	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
39-087-0010	Lawrence Co. Hospital, Ironton	38.519722	-82.665556	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	Site to move 2008
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				Chem Spec	Ion Chromatograph	1 in 6 day			
39-087-0011	St. Rt. 141, Wilgus	38.629167	-82.457500	Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	

	Not in a MSA Scioto Co.								
39-145-0013	Portsmouth Water Treat. Ports.	38.754167	-82.917500	PM10-colo	Gravimetric	1 in 6 day	Highest conc.	Middle	
				PM2.5 FRM-colo	Gravimetric	1 in 3 day	Highest conc.	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Highest conc.	Middle	
39-145-0019	Portsmouth City Annex, Ports	38.735000	-82.998889	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
39-145-0020	2840 Back Rd.FranklinFurnace	38.609048	-82.822911	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	Required by permit
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	Required by permit
39-145-0021	2446GalliaPike,FranklnFurnac	38.600611	-82.829762	PM10	Gravimetric	1 in 6 day	Background	Neighborhood	Required by permit
				VOCs	GC-MS				Required by permit
39-145-0022	1740GalliaPike,FranklnFurnac	38.588034	-82.834973	PM10	Gravimetric	1 in 6 day	Background	Neighborhood	Required by permit
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Background	Neighborhood	Required by permit
				VOCs	GC-MS				Required by permit
CDO	Columbus MSA Delaware Co.								
39-041-0002	359 Main Rd., Delaware	40.356638	-83.063962	Ozone	U.V. Photometric	Continuous	Population	Urban	
	Columbus MSA Franklin Co.								
39-049-0005	1585 Morse Rd., Columbus	40.060000	-82.976944	Carbon Monoxide	Infared	Continuous	Highest conc.	Middle	
39-049-0024	State Fairgrounds, Columbus	39.998333	-82.993056	PM10-Colocated	Gravimetric	1 in 6 day	Highest conc.	Neighborhood	
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	Move to 049-0034
39-049-0025	580 E.Woodrow Av. Columbus	39.928056	-82.981111	PM2.5 FRM -Colo	Gravimetric	1 in 3 day	Highest conc.	Neighborhood	Seek better location
				TSP-metals	ICP			Neighborhood	Seek better location
39-049-0028	Koebel School, Fairwood Ave.	39.914167	-82.957222	PM2.5 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	
				Ozone	U.V. Photometric		Highest conc.	Neighborhood	
39-049-0029	New Albany HS, New Albany	40.086667	-82.815556	PM2.5 TEOM	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 TEOM	Oscillating crystal	Continuous	Population	Neighborhood	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	To be discontinued
				PM10 TEOM	Oscillating crystal		Population	Neighborhood	Replaced w PM2.5
				VOCs	GC MS	1 in 12 day			
39-049-0036	Lazarus GC, FrontSt,Columbus	39.959444	-83.001944	Carbon monoxide	Infared	Continuous	Highest conc.	Microscale	
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 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?

	Not in a MSA Knox Co.								
39-083-0002	Fire Station , Centerburg	40.309722	-82.691944	Ozone	U.V. Photometric	Continuous	Population	Urban	
	Columbus MSA Licking Co.								
39-089-0005	Heath School, Heath	40.025833	-82.432778	Ozone	U.V. Photometric	Continuous	Population	Urban	
	Columbus MSA Madison Co.								
39-097-0007	Madison School, London	39.788611	-83.475833	Ozone	U.V. Photometric	Continuous	Population	Urban	
NEDO	Not in a MSA 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	
	Not in a MSA Columbiana Co.								
39-029-0019	Columbiana PortAuthority,E.L.	40.631111	-80.546944	TSP-metals	ICP	1 in 6 day	Population	Neighborhood	
39-029-0020	Water Treat. Plant, E.Liverpool	40.639722	-80.523889	TSP-metals	ICP	1 in 6 day	Population	Neighborhood	
				Wind speed/direction					
39-029-0022	500 Maryland Ave,E.Liverpool	40.635000	-80.546667	TSP-metals	ICP	1 in 6 day	Population	Microscale	
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Microscale	
				PM10 Colocated	Gravimetric	1 in 6 day	Population	Microscale	
	Cleveland-Elyria-Mentor MSA Lorain Co.								
39-093-0016	Gross Plumbing, Lorain	41.439444	-82.161667	PM2.5 Seq. 2.5	Gravimetric	1 in 3 day	Population	Neighborhood	Lost site use
				Chem. speciation	Ion Chromatograph				Moved to Barr S.
39-093-0018	Fire Station, Sheffield	41.420882	-82.095729	Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
39-093-3002	Barr School, Sheffield	41.722500	-81.241944	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	
				Chemical speciation	Ion Chromatograph				From 39-093-0016
				Chemical speciation	Carbon speciation				URG-3000?
NWDO	Lima Oh MSA Allen Co.								
39-003-0002	Bath High. School, Lima	40.772222	-84.051944	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Urban	New trailer
				Ozone	U.V. Photometric	Continuous	Population	Urban	Same new trailer
				PM2.5 FRM	Gravimetric	1 in 6 day	Population	Neighborhood	For TEOM comparison
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	
	Toledo MSA Fulton Co.								
39-051-0001	Van Buren St., Delta	41.575278	-83.996389	TSP-metals colocated	ICP	1 in 6 day	Highest conc.	Microscale	
	Not in a MSA 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	
39-063-0003	Nat.Lime/Stone,CR144Findlay	41.023611	-83.685556	PM10	Gravimetric	1 in 6 day	Population	Neighborhood	
	Toledo Oh MSA Ottawa Co.								
39-123-0006	Brush Wellman, Elmore			TSP – beryllium	ICP	Continuous			
	Toledo MSA Wood Co.								
39-173-0003	NWDO Office,Bowling Green	41.378056	-83.611667	Ozone	U.V. Photometric	Continuous	Other	Urban	To seek new site
39-175-0008	Nat.Lime/Stone Fire Stn. Carey	40.957778	-83.381944	PM10	Gravimetric	1 in 6 day	Highest conc.	Neighborhood	Discontinue
39-175-0009	Nat. Lime/Stone,GreerRdCarey	40.974722	-83.347500	PM10 Colocated	Gravimetric	1 in 6 day	Highest conc.	Neighborhood	Discontinue
SEDO	Not in a MSA 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	
	Wheeling WV-OH MSA Belmont Co.								
39-013-3002	E. 40th St. Shadyside Treatment	39.968056	-80.747500	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
	Weirton-Steubenville WV-Oh Jefferson Co.								
39-081-0001	1004 3rd 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 TEOM	Oscillating crystal	Continuous	AQI	Neighborhood	
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	
				Chem Speciation	Ion Chromatograph	1 in 6 day	SIP info		Moved to Mingo J
39-081-1001	City Hall, Mingo Junction	40.321944	-80.606389	Carbon monoxide	Infared	Continuous	Source-oriented	Middle	
				PM10 colo	Gravimetric	1 in 6 day	Highest conc.	Neighborhood	Removed for speciation
				PM2.5 Seq. FRM	Gravimetric	1 in 3 day	Population	Neighborhood	
				PM2.5 Speciation	Ion Chromatograph	1 in 6 day	SIP info		
				URG-3000			SIP info		Carbon speciation

	Not in a MSA Meigs Co.								
39-105-0004	Veterans Hospital, Pomeroy	39.037778	-82.045556	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Urban	
	Not in a MSA Morgan Co.								
39-115-0004	St. Rt. 83, Hackney School	39.634221	-81.670038	Sulfur dioxide	Pulsed Fluorescence	Continuous	Source-oriented	Urban	
	Not in a MSA Tuscarawas Co.								
39-157-0006	527 Crescent Drive, Sugarcreek	40.511416	-81.639149	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	
	Parkersburg-Marietta MSA Washington Co.								
39-167-0004	2000 4th St. Marietta Water	39.431667	-81.460278	Ozone	U.V. Photometric	Continuous	Population	Neighborhood	Move downtown
New site	Downtown Marietta			PM2.5 TEOM	Oscillating crystal	Continuous			Seeking location
				TSP- metals	ICP	1 in 6 day			Seeking location
39-167-0006	Everready, Rt. 7, Belpre	39.374444	-81.525833	PM10	Gravimetric	1 in 6 day	Highest conc.	Middle	Discontinue
39-167-0008	R 676WashingtonCareerCenter	39.433611	-81.502500	TSP-metals	ICP	I in 6 day	Population	Urban	ATSDR special study
				VOCs	GC MS	1 in 12 day			
39-167-0009	Blue Knob, Washington Co.	39.376800	-81.537300	TSP	Gravimetric	I in 6 day	Population	Neighborhood	ATSDR special study
SWDO	Not in a MSA Clinton Co.								
39-027-1002	Laurel OaksSchool,Wilmington	39.430000	-83.788611	Ozone	U.V. Photometric	Continuous	Population	Urban	
	Not in a MSA Logan Co.								
39-091-0003	Superior Ave.,Bellefontaine	40.343056	-83.755000	TSP-metals	ICP	1 in 6 day	Population	Neighborhood	
39-091-0006	Richard Ave., Bellefontaine	40.341111	-83.757778	TSP-metals	ICP	1 in 6 day	Highest conc.	Neighborhood	Discontinue
39-091-0007	Superior Ave., Bellefontaine	40.344722	-83.754444	TSP-metals	ICP	1 in 6 day	Highest conc.	Neighborhood	Discontinue
39-091-0008	Greenwood Ave. Bellefontaine	40.343684	-83.759842	TSP-metals	ICP	1 in 6 day	Population	Neighborhood	Discontinue

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 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.

MSA indicates a Metropolitan Statistical Area.

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 even 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-14a. 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 Graphic Furnace Atomic Absorption.

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

TEOM indicates a Tapered Element Oscillating Microbalance, a method of detection for 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 list of 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

Department of Environmental Services Air Quality Programs 250 William Howard Taft Rd. Cincinnati, Ohio 45219-2660 (513) 946-7777 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
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 counties	Ohio EPA Northeast District Office 2110 Aurora Rd. Twinsburg, Ohio 44087 (330) 425-9171
Lake County Health Department Air Pollution Control 33 Mill St. Painesville, Ohio 44077 (440) 350-2543 Lake, Geauga counties	Ohio EPA Northwest District Office 347 North Dunbridge Rd. Bowling Green, Ohio 43402 (419) 352-8461
Air Pollution Unit Portsmouth City Health Department 605 Washington Street Portsmouth, Ohio 45662 (740) 353-5156 Brown, Adams, Scioto, Lawrence counties	Ohio EPA Southwest District Office 401 East Fifth St. Dayton, Ohio 45402-2911 (937) 285-6357