



2016-2017 Ohio Air Monitoring Network Plan

Division of Air Pollution Control May 2016

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Ohio 2016-2017 Air Monitoring Network

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 any comments received 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, 2016 is included in the accompanying table.

Changes

The plan for Ohio's Air Monitoring Network for 2016-2017 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 using the $PM_{2.5}$ Federal Reference Method at most of the sites as they existed at the beginning of 2016. There may be changes that have to be made in the $PM_{2.5}$ network that are not listed in these plans. Such changes may occur as a result of construction or maintenance operations that are not known ahead of when they occur.

The ozone monitoring site network will have minimal changes for 2016 and 2017 with the exception that the 2017 monitoring season will begin March 1, 2017. 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 current number of sites.

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.

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.

As of the time of publication, here is a list of monitoring network changes that have occurred in the second half of 2015 or thus far in 2016 or are proposed for the remaining portion of 2016 and 2017.

Canton-Massillon MSA

Canton LAA

- 1 new PM_{2.5} TEOM Sharp 5030i replaced former continuous PM_{2.5} monitor at 39-151-0020, Canton City Health Department.
- 1 ozone site may be discontinued and relocated in Alliance, (39-151-4005, Canton).
- 1 Lead site to be added near a Republic Steel in Stark County as a result of exceeding the 50-ton emission limit, Canton. To start in early 2017

Columbus MSA

CDO

• 1 PM_{2.5} hourly and a black carbon monitor to be added at the Columbus Near Road site (39-049-0039)-in 2016 or 2016 CDO

Cleveland-Elyria, MSA

Cleveland, NEDO

- 1 TSP/Lead/metals site to discontinue at a Cleveland >50-ton emission source, Century Plant, (39-035-0072) before 2017. Monitoring has been ongoing for 3 years and concentrations are well within the new NAAQS lead standards promulgated in 2008.
- 1 Lo-Vol/Lead site to discontinue at Cleveland's NCore site to discontinue in 2016. GT Craig, 39-035-0060.
- 1 PM₁₀, PM_{2.5} FRM, hourly and speciation Lorain county site (39-093-3002, NEDO) likely to be discontinued and relocated before 2017
- 1 Lorain County ozone site, 39-093-0018 may be relocated before the 2017 ozone season to location where the Barr School site (39-093-3002) is relocated-NEDO
- 2 TSP/Lead/metals sites to be added for source monitoring in Cleveland in 2017.

Columbiana Micropolitan Statistical Area

NEDO

- 1 PM₁₀, TSP/Metals Columbiana county site in East Liverpool was relocated off the roof of a school building onto ground-level monitoring platform just east of school. 39-029-0022 now AQS site no., 39-029-0023, WTI Eastside School, NEDO.
- 1 PM₁₀, TSP/Metals site Columbiana county site (39-029-0020) at the Water Treatment Plant in East Liverpool may be relocated in 2016 from its present location to better meet siting criteria. (NEDO)
- 2 TSP/Lead/metals temporary sites to be added in 2017 near a fracking source in Carroll county, Ohio.

Cincinnati, OH-KY-IN MSA

Cincinnati (SWOAQA)

- 1 PM₁₀/TSP/Lead/metals site (39-017-0015, Lefferson) discontinued 12/31/2015 in Middletown – SWOAQA
- 1 VOC monitor ended 12/31/2015 in Middletown (39-017-0003, Verity School, being demolished) SWOAQA. Monitor moved to new location at 39-017-0015
- 1 PM_{2.5}, PM₁₀ Lo-Vol. site was discontinued in Middletown (39-017-0003, SWOAQA) on Mar. 31, 2016. The samplers were moved to the new location at Lefferson, 39-017-0015 in Middletown.
- 2 PM₁₀, 1 PM_{2.5}, and VOC monitors starting sampling at new location at the Lefferson Middletown property, 39-017-0015 on April 1, 2016. Some of the monitors came from the Verity School site which was discontinued Dec. 31, 2015.
- 1 PM_{2.5}, Sycamore, 39-061-0006, sample frequency to change from 1/3 to 1/6 in January 2017. FEM will become primary at site and FRM will change to QA collocated.
- 1 PM_{2.5} collocated sampler at Carthage, 39-061-0014, will be remove January, 2017.
 Required collocated monitors met for this method code at other existing sites in the SWPQAO.
 - The primary PM_{2.5} sampler will change from an Anderson method (155) to a BGI method (142) beginning January 1, 2017.
- 1 True NO2 and 1 aethalometer black carbon, Taft NCore, 39-061-0040, added by January 2017.
- 1 PM_{2.5}, 39-025-0022, BPG, Sample frequency to change from 1/6 to 1/3 in 2017.
- 1 ozone site, Hamilton, 39-017-0004 will be moved before the 2017 season.
- VOC monitor at Kibby Lane (39-061-0047) sample frequency will change from every sixth day to every 12 days at any time. The consent decree is ending any day.
- 1 PM_{2.5} continuous monitor being added to the Cincinnati Near Rd., site, 39-061-0048 by January, 2017

Dayton-Springfield MSA

RAPCA, Dayton-Springfield

• Lead/Metals sampling at the Moraine (39-113-7001) site to discontinued before 2017. (RAPCA)

Meigs County, Pomeroy

SEDO

• SO₂ site (39-105-0003) in Pomeroy will be discontinued and relocated during the summer of 2016. A search of potential sites is currently being done to relocated the SO₂ monitor. Also, as part of a special American Electric Power (AEP) study, several new SO₂ sites are being planned in this area to start sometime later in 2016.

Point Pleasant Micropolitan Statistical Area

SEDO-Gallia County

• SO₂ site (39-105-0003) in Pomeroy will be discontinued and relocated during the summer of 2016. A search of potential sites is currently being done to relocated the SO₂ monitor. Also, as part of a special American Electric Power (AEP) study, several new SO₂ sites are being planned in this area to start sometime later in 2016.

Youngstown-Warren-Boardman, OH-PA MSA

MTAPCA

• 1 PM_{2.5}, PM₁₀ site in Warren (39-155-0005) discontinued 5/31/2015. Was

- relocated on the same property- M-TAPCA
- 1 PM₁₀ site in Youngstown (39-099-0006) may discontinue or be relocated in 2016 M-TAPCA
- 1 PM_{2.5}, PM₁₀ site in Warren relocated on same property and began sampling Jan. 1, 2016. 39-155-0014 replaced 39-155-0005-M-TAPCA.

Toledo MSA

Toledo

- 1 Toledo O₃, (Lo Serv., 39-095-0034) site to end Oct. 2016. This site is being replace by another site 0.5 miles to the SE which is scheduled to begin sampling here in 2016.
- 1 Toledo O₃, new site to start August 2016 to replace the Lo-Serv. Ozone site in 2017-Toledo

Wheeling, VA-OH MSA

 1 SO₂, NO₂, CO, PM_{2.5}. 2 PM₁₀ site started July 1,2015; 39-013-0006, Shadyside-SEDO

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.

Tabular Summary of Proposed Monitoring Changes

Supporting	AQS Site	Site Name or	Action Change	When
Agency	No.	Address		
Canton	39-151-4005	Alliance	Ozone site may be relocated	possibly before 2017
	39-151-xxxx	Republic Steel	Lead monitor for >50ton source	early 2017
Cleveland	39-035-0060	G.T. Craig, NCore site	To end Lead/ metals monitoring	during 2016
	39-035-0072	Century_ Miles Rd	To end this Lead/ metals site	during 2016
	39-035-xxxx	Cleveland area PB sources	2 new lead sites to be added	In 2017.
SWOAQO	39-017-0003	Middletown, Verity HS	1 PM ₁₀ Lo-Vol. 1 PM _{2.5} , VOC	Site ended 3/31/2016
(Cincinnati)	39-017-0004	Hamilton	Ozone to be relocated	by 2017 ozone season.
,	39-017-0015	Middletown, Lefferson	Lead/Metals, sampling ended	12/31/15
	39-017-0015	Middletown, Lefferson	2 PM ₁₀ , 1 PM _{2.5} , VOC	Started 4/1/2016.
	39-017-0022	BPG	1 PM _{2.5} BGI, SF changes 1/6 to1/3	in 2017
	39-061-0006	Sycamore	PM2.5 FEM becomes primary, FRM changes to collocated and SF change from 1/3 to 1/6	Jan. 2017
	39-061-0014	Carthage	PM _{2.5} method change from 155 to 142, remove collocated monitor	Jan. 2017
	39-061-0040	TAFT, Cincinnati	Add true NO ₂ and aethalometer	Jan. 2017
	39-061-0048	Cincinnati Near Rd.	PM _{2.5} hourly instr. to be added	by 2017
RAPCA (Dayton)	39-113-7001	Moraine Fire Station	Lead/Metals sampling to end	by 2017
M-TAPCA	39-155-0005	Laird Ave., Warren	Site relocated on same property	Site ended 5/31/2015
	39-155-0014	Laird Ave., Warren	Replace former site	Started Jan. 1, 2016
	39-155-0006	Warren WTP	May discontinue or relocated	2016 or 2017
Toledo	39-095-0034	Lo Serv., Curtice	Ozone site to be discontinued	end of 2016 ozone season.
	39-095-0035	Cooley Canal, Curtice	Ozone site to replace 095-0034	Starts in 2016
Ohio CDO	39-049-0038	Columbus Near Rd Site	1 PM _{2.5} hourly monitor	To start in 2016
Ohio, NEDO	39-029-0022	WTI, Eastside School	1 PM ₁₀ , Lead/metals	Site relocated, 1/31/16.
	39-029-0023	WTI, Eastside School	1 PM ₁₀ , Lead/metals	Started 2/1/2016
	39-093-3002	Barr School	1 PM ₁₀ , PM _{2.5} col., PM _{2.5} CSpec	May relocated by 2017.
	39-093-0018	4706 Detroit Rd.	Sheffield ozone site	May relocated in 2017.
	39-019-xxxx	Carroll County	1 site to monitor near a fracking	source to be begin 2017
Ohio, SEDO	39-013-0006	Shadyside PSD	1 SO ₂ , NO ₂ , CO, PM ₁₀ , PM _{2.5}	Site started July 1, 2015
	39-105-0003	Meigs Cty, Pomeroy	1 SO ₂ being relocated	this summer, 2016.
	39-053?-xxxx	3 new SO ₂ sites near the	Gavin Power Plant as a result of the	of DRR before 2017.

Public Comments

In response to posting this network plan on the Ohio EPA website, we received one comment from a law firm, ECKERT SEAMANS CHERIN & MELLOTT, LLC in Pittsburgh, PA. Their comment related to a monitoring site, AQ # 39-029-0020, located in East Liverpool, Columbiana County which monitors WTI incinerator nearby. They do not believe that the site adequately meets U.S. EPA siting criteria and is otherwise not producing representative and/or reliable data. They are requesting that Ohio EPA relocate this monitoring site to a more suitable location. Ohio EPA will investigate the siting suitability and relocate to a better location if it is determined to be necessary.

Ohio's Primary Quality Assurance Organization Changes (PQAO)

Earlier this year, the Ohio EPA proposed to consolidated the number of PQAOs in Ohio for site and monitor auditing purposes. These changes were approved by U.S. EPA and were made retroactive to January 1, 2015. Previously here in Ohio, there was one PQAO associated with each of its 9 Local Air Agencies and 5 District Offices. Each of these Local

Air Agencies (LAAs) and Ohio EPA District Offices were operating as independent entities for quality assurance monitoring purposes which created an unnecessary burden in site QA cost over the years. Therefore, it was proposed to US EPA to streamline Ohio's quality assurance operations by consolidating these 14 PQAOs into 3 PQAOs. This consolidation of PQAO's here in Ohio meets the guidelines and requirements of 40 CFR 58, Appendix D and in no way compromises the integrity and quality of ambient air monitoring data collected here in Ohio.

The new realignment of Ohio's PQAOs is as follows:

Northeast Primary Quality Assurance Organization (NEPQAO) consist of these monitoring organizations.

- Akron Regional Air Quality Management District
- Canton City Health Dept., Air Pollution Control Division
- Cleveland Dept. of Public Health & Welfare, Division of Air Quality
- Lake County General Health District, Air Pollution Control
- Mahoning-Trumbull Air Pollution Control Agency (M-TAPCA)
- Ohio Northeast District Office (NEDO)

Central Primary Quality Assurance Organization (CPQAO) consist of these monitoring organizations.

- Ohio EPA, Northwest District Office (NWDO)
- Ohio EPA, Central District Office (CDO)
- Ohio EPA, Southeast District Office (SEDO)
- City of Toledo, Division of Environmental Services

Southwest Primary Quality Assurance Organization SWPQAO) consist of these monitoring organizations.

- Ohio EPA, Southwest District Office (SWDO)
- Dept. of Environmental Services, Southwest Ohio Air Quality Agency (SWOAQA)
- Montgomery Cty. Health Dept., Regional Air Pollution Control Agency (RAPCA)
- Portsmouth City Health Dept., Air Pollution Unit

Three tables follow that tabulate and list the monitoring organizations within each of the three PQAO's and the ambient air monitoring sites located within these monitoring organizations.

Northeast Primary Quality Assurance Organization June 2016

AOC Noorless	Name	PM _{2.5}	PM_{10}	О3	SO_2	CO	NO ₂	PM _{2.5}	PM _{2.5}	Pb/Metals	Toxics
AQS Number								Spec	cont.	1	(VOC)
NEDO 39-007-1001	C WED										
	Conneaut WTP			X	X						
39-029-0019	WTI Port Authority				X					X	
39-029-0020	WTI East Liverpool		X							X	
39-029-0022	WTI Eastside Sch.		x/ _{colo}							x/ _{colo}	
39-093-0018	Elyria			X							
39-093-3002	Barr School	x/ _{colo}	X					X	X		
Total	6	1/ 1 _{colo}	3/ 1 _{colo}	2	2			1	1	3/ 1 _{colo}	
Cleveland											
39-035-0034	District 5	X		Х							
39-035-0038	St Theodosius	x/colo	X		Х			X		X	X
39-035-0042	FS#4									x/colo	
39-035-0045	FS#13	X	x/colo		Х						
39-035-0049	Ferro									x/colo	
39-035-0051	Galleria					X					
39-035-0060	G.T. Craig	X	X	Х	Х	X	Х	x/colo	X	X	
39-035-0061	W 3 rd									X	
39-035-0064	Berea			Х							
39-035-0065	Harvard	X	X		Х						
39-035-0072	Miles Rd.									X	
39-035-0073	ODOT					Х	Х				
39-035-1002	Brookpark	X	X								Х
39-035-5002	Mayfield			Х							
Total	14	6/1 colo	5/1 _{colo}	4	4	3	2	2/1 _{colo}	1	6/ 2 _{colo}	2
Lake Co.											
GHD											
39-055-0004	Geauga			Х							
39-085-0003	Eastlake			X	Х						
39-085-0006	Mentor					X					
39-085-0007	Painesville JFS	x/ _{colo}		Х	Х				X		
39-085-1001	Fairport	Colo	x/ _{colo}								
Total	5	1/ 1 _{colo}	1/ 1 _{colo}	3	2	1			1		
M-TAPCA											
39-099-0005	FS#7	x/ _{colo}	X							1	
39-099-0006	FS#5	- 010	x/ _{colo}								
39-099-0013	Oakhill	†	. 2010	Х	Х						
39-099-0014	Head Start	X							X	1	
39-155-0006	Warren WTP		X								
39-155-0011	TCSEG			Х							
39-155-0013	Kinsman	†		X							
39-155-0014	Warren Laird	X	x/ _{colo}						X		
			0010	1	1	1	1	1		1	

Northeast Primary Quality Assurance Organization (cont'd)

	Name	PM _{2.5}	PM_{10}	O3	SO_2	CO	NO_2	PM _{2.5}	PM _{2.5}	Pb/Metals	Toxics
AQS Number								Spec.	cont.		(VOC)
Akron											
39-103-0004	Chippewa	X		X					X		
39-133-0002	Ravenna	X									
39-133-1001	Lake Rockwell			X							
39-153-0017	East High Sch.	x/colo			X				X		
39-153-0020	Patterson Park			X		X					
39-153-0023	Exchange	X						X			
39-153-0025	NIHF				X	X					
Total	7	4/ 1 _{colo}		3	2	2		1	2		
Canton											
39-151-0016	Malone Uni.			Х							
39-151-0017	FS#8	x/colo						X			
39-151-0020	Health Dept.	X				X			X		
39-151-0022	Brewster			X							
39-151-4005	Alliance			X							
Total	5	2/ 1 _{colo}		3		1		1	1		
NE PQAO	Total Sites	17/ 5 _{colo}	13/ 5 _{colo}	18	11	7	2	5/ 1 _{colo}	8	9/ 3 _{colo}	2
2	<i>= 45</i>										

Southwest Primary Quality Assurance Organization June 2016

	Name							PM _{2.5}	PM _{2.5}		Toxics
AQS Number	Tunic	$PM_{2.5}$	PM_{10}	О3	SO_2	CO	NO_2	Spec	cont	Pb/Metals	(VOC)
Portsmouth											
39-001-0001	West Union				Х				Х		
39-087-0011	Wilgus			х							
39-087-0012	Ironton ODOT	х	х	x	х				х		
39-145-0013	New Boston WTP	x/ _{colo}	x/ _{colo}		x				30		
39-145-0019	PCAB	34 6010	X		30						
39-145-0020	Back Rd		x		х						
39-145-0021	2446 Gallia Pike		x		л						
<i>39-145-0022</i>	1740 Gallia Pike		x		х						
Total	8	2/ 1 _{colo}	6/1 _{colo}	2	5				2		
	Name	27 1 000	0/1000		3			PM _{2.5}	PM _{2.5}		Toxics
SWOA QA	Name	PM _{2.5}	PM ₁₀	O3	SO_2	СО	NO ₂	Spec	cont	Pb/Metals	(VOC)
39-017-0004	Hamilton		2 10	x				~			(, , , ,
39-017-0015	Ohio Bell	х	х								
39-017-0016	Sacred Heart Sch.	x									
39-017-0018	Middletown			х							
39-017-0019	Amanda Elem.	x	х	<u> </u>	х				x		х
	Sch.										
39-017-0020	Yankee Rd.	х	х		х				х		х
39-017-0021	MADE				x						
39-017-0022	BPG	х			30						
39-025-0022	Batavia	X		х					x		
39-061-0006	Sycamore	х		$\frac{x}{x}$					x		
39-061-0010	Colerain	x		x	х				$\frac{x}{x}$		
39-061-0014	Carthage	$x/_{colo}$	х	л	л				Α		х
39-061-0040	Taft	$x/_{colo}$	χ / _{colo}	х	х	x	х	x	x		Λ
39-061-0042	Lower Price Hill	X colo	A/ colo	л	Λ	Λ	л	Λ	Λ		
39-061-0047	Kibby	λ									v
39-061-0048	Cinci Near Rd.					v	v				Blk C
39-061-5001	Lockland		x/ _{colo}			х	Х				Bik C
39-165-0007	Lebanon		X/colo	20					1.		
	18	10/2 _{colo}	6/2 _{colo}	<i>x 7</i>	5	2	2	1	7	0	5
Total		10/2colo	0/2colo	/	3		Z			U	
<i>SWDO</i>	Name	PM _{2.5}	PM_{10}	О3	SO_2	СО	NO_2	PM _{2.5} Spec	PM _{2.5} cont	Pb/Metals	Toxics (VOC)
39-027-1002	Wilmington	1 1412.3	114110	x	502		1102	Брес	Cont	1 0/1victais	(100)
39-091-0006	Bellefontaine									х	
Total	2			1						1	
	Name			-				PM _{2.5}	PM _{2.5}	-	Toxics
RAPCA	Ivaille	PM _{2.5}	PM_{10}	O3	SO_2	СО	NO_2	Spec	cont	Pb/Metals	(VOC)
39-023-0001	Springfield WF			х							
39-023-0003	Mud Run			х	х						
39-023-0005	Springfield FH	х							х		
39-057-0005	Yellow Springs	x/ _{colo}	х						x		
39-057-0006	Xenia	2010	-	х				1	1		
39-135-1001	Preble Cnty	х	x/ _{colo}	x	х	х	х	х	х		
39-109-0005	Miami East HS		010	$\frac{x}{x}$	1	1					
39-113-0034	Riebold					х	<u> </u>				
39-113-0037	Eastwood			х				<u> </u>			
39-113-0038	Sinclair College	x/ _{colo}		л				х	x		
39-113-7001	Moraine FS	N colo	x/ _{colo}				 	Α	, A	X colo	
	11	4/ 2 _{colo}	3/2 _{colo}	6	2	2	1	2	4	1/1 colo	
Total											_
Southwest PQ	<i>QAO Total = 39</i>	16/5 _{colo}	15/5colo	16	12	4	3	3	13	2/1 colo	5

Central Primary Quality Assurance Organization June 2016

AQS Number	Name	PM _{2.5}	PM ₁₀	O3	SO ₂	CO	NO ₂	PM _{2.5} Spec	PM _{2.5} Cont	Pb/Metals	Toxics (VOC)
NWDO								Spec	Cont		(VOC)
	T' D 1 TIG	,									
39-003-0009	Lima Bath HS	x/ _{colo}		X	X				X	,	
39-051-0001	Delta									x/ _{colo}	
39-101-0003	Marion-Hawthorne									X	
39-101-0004	Marion-Bella									X	
39-173-0003	Bowling Green			X							
39-123-0006 to 0014	Elmore									Ber.	
Total	6	1/ 1 _{colo}		2	1				1	3/ 1 _{colo}	
SEDO	Name	PM _{2.5}	PM_{10}	O3	SO_2	CO	NO_2	PM _{2.5} Spec	PM _{2.5} Cont	Pb/Metals	Toxics (VOC)
39-009-0003	Gifford	x/ _{colo}						Брес	Cont		(100)
39-013-0006	Shadyside	Х	x/ _{colo}		Х	X	X				
39-081-0001	Brilliant		Х								
39-081-0017	Steubenville	x/ _{colo}	x/ _{colo}	Х	X			X	Х		X
39-081-0021	Mingo Junction	X									
39-105-0003	Pomeroy				X						
39-115-0004	Hackney				X						
39-167-0004	Marietta			Х							
39-167-0008	Wash Co. Career									x/ _{colo}	
	Center									. 6010	
39-081-0018, 0020,	Cardinal PWR				3x						
54-009-6000	sites										
Total	12	4/ 2 _{colo}	3/2 _{colo}	2	7	1	1	1	1	1/1 colo	1
CDO	Name	PM _{2.5}	PM ₁₀	O3	SO ₂	CO	NO ₂	PM _{2.5}	PM _{2.5}	Pb/Metals	Toxics
CDO	Tiume	11,12,3	11110	00	502		1102	Spec	Cont	1 0/1/100010	(VOC)
39-041-0002	Delaware			X							
39-049-0005	Morse Rd.					X					
39-049-0024	Fairgrounds Gilligan	X	x/ _{colo}								
39-049-0029	New Albany			X					Х		
39-049-0034	Fairgrounds				X				Х		Х
39-049-0037	Franklin Pk.			Х			X				
39-049-0038	Smky Near Rd.					Х	X				
39-049-0039	Barack Rec. Center	x/ _{colo}								X	
39-049-0081	Maple Canyon	X		Х							
39-083-0002	Centerburg			X							
39-089-0005	Heath			X							
39-097-0007	London			Х							
Total	12	3/ 1 _{colo}	1/1 _{colo}	7	1	2	2		2	1	1
Toledo ESD	Name	PM _{2.5}	PM ₁₀	О3	SO ₂	CO	NO ₂	PM _{2.5}	PM _{2.5} Cont	Pb/Metals	Toxics (VOC)
39-095-0008	Collins Park WTP				X			Spec	Cont	1	(1000)
39-095-0024	Erie	x/ _{colo}		Х					Х		
39-095-0026	RAPS	X							<u> </u>		
39-095-0027	Waterville	1		Х							
39-095-0028	COPK	X									
39-095-0034	Low Service	<u> </u>		Х							
Total	6	3/1 colo		3	1				1		
	Totals, Sites= 36	11/5 _{colo}	4/3 _{colo}	14	10	3	3	1	5	5/ 2 _{colo}	2
Ohio Total Sites		-2/ C010	-7 - 010	- 1	-0					-7 -010	
	$\frac{3 - 120}{\text{vitors}} = \frac{239}{34_{\text{colo}}}$	44/15 _{colo}	32/13 _{colo}	48	33	14	8	9/ 1 _{colo}	26	16/ 6 _{colo}	9
Omo Total Mon	11015 - 437/34colo	TT/ 15 CO10	Jai 1Jcolo	70	33	17	U	>/ 1 colo	20	TO/ Ocolo	,

For questions about the Ohio Air Monitoring Network please contact: Dave Ambrose at 614-644-3620

Comments about this Ohio Air Monitoring Network Plan may be emailed to: david.ambrose@epa.ohio.gov

Fax number 614-644-3681

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

2016-2017 Ohio Air Monitoring Network

AQS ID#	County/	Latitude	Longitude	Parameter/	Analysis	Schedule	Monitoring	Spatial	Method Code/
Air Agency	Address			Method			Objective	Scale	Comments
Akron	Medina								
39-103-0004	Chippewa, Ballash Rd.	41.0604	-81.9239	Ozone	U.V. Photometric	Continuous	Upwind backgrd	Urban	(087)/API 400 E
				PM _{2.5} - FRM Seq.	Gravimetric	1 in 3 days	Population	Neighborhood	(145) Partisol2025VSCC
				PM _{2.5} Met One BAM	Beta attenuation	Continuous	Upwind backgrd	Regional	(170) AQI
_	Portage. Co.								
39-133-0002	531 Washington Ave. Ravenna	41.1644	-81.2352	PM _{2.5} Seq. FRM	Gravimetric	1 in 3 days	Population	Neighborhood	(145)/Partisol 2025 Plus
39-133-1001	1570 Ravenna Rd., Kent	41.182466	-81.330486	Ozone	U.V. Photometric	Continuous	Max. ozone conc.	Urban	(087)/ API 1400E
37-133-1001	1370 Ravellila Ru., Relit	41.102400	-81.330460	Ozone	U.V. I notometre	Continuous	Wiax. Ozolic colic.	Ciban	(007)/ Al I 1400L
	Summit Co.								
39-153-0017	East High Sch., Akron	41.063526	-81.468956	PM _{2.5} FRM Seq/Colo	Gravimetric	1 in 3 days	Population	Neighborhood	(145) Partisol2025VSCC
				PM _{2.5} BAM	Beta attenuation	Continuous	Population	Neighborhood	(170), AQI, Met One
				Sulfur dioxide	U.V. Fluorescence	Continuous	Highest conc.	Neighborhood	(100) API 100
39-153-0020	800 Patterson Ave, Akron	41.106486	-81.503547	Ozone	U.V. Photometric	Continuous	Population	Urban	(087) /API 400
				Carbon monoxide	Infrared	Continuous	Population	Neighborhood	(093) API 300
39-153-0023	660 W. Exchange St., Akron	41.087956	-81.541611	PM _{2.5} Seq. FRM	Gravimetric	1 in 3 days	Population	Neighborhood	(145) Partisol2025VSCC
				Chemical speciation	Ion Chromatograph	1 in 6 days	SIP information	Neighborhood	(810) Met One BAM
				URG-3000	Carbon speciation	1 in 6 days	SIP information	Neighborhood	
39-153-0025	199 S. Broadway, Akron	40.07914	-81.51627	Carbon monoxide	Infrared	Continuous	Population	Microscale	(093) API 300
37-133-0023	199 S. Bloadway, Aktoli	40.07714	-61.51027	Sulfur dioxide	U.V. Fluorescence	Continuous	Population	Neighborhood	(100) API 100
				Wind speed/wind dir.	U.V. Pluorescence	Continuous	1 opulation	Neighborhood	
a i									
Canton	Stark Co.								
39-151-0016	515 25 th St., Malone University	40.828052	-81.37833	Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(047) Thermo 49
39-151-0017	1330 Dueber Ave., Fire Station	40.78689	-81.39419	PM _{2.5} BGI FRM/Col	Gravimetric	1 in 3 days	Highest conc.	Neighborhood	(142) BGI PQ200 VSCC
				Chemical speciation	Ion Chromatograph	1 in 6 days	SIP information	Neighborhood	(810) Met One SASS
				URG-3000	Carbon speciation	1 in 6 days	SIP information	Neighborhood	
39-151-0020	420 Market Ave. Canton			Carbon monoxide	Infrared	Continuous	Population	Middle	(054) Thermo 48i
27 131 0020	.20 Market 1110. Canton	1		PM _{2.5} Thermo Sharp	Beta attenuation	Continuous	Population	Neighborhood	AQI (753)
				PM _{2.5} BGI FRM/Col	Gravimetric	1 in 3 days	Population	Neighborhood	(142) BGI PQ200 VSCC
				11.12.5 DOI 110.1/ COI	The new PM _{2.5} Sharp	5030i starts	May/2016	replacing the	TEOM (701)
39-151-0022	45 S. Wabash Ave., Brewster	40.712778	-81.5983	Ozone	U.V. Photometric	Continuous	Upwind Backgr	Urban	(047) Thermo 49

AQS ID #	County/	Latitude	Longitude	Parameter/	Analysis	Schedule	Monitoring	Spatial	Method Code/
Air Agency	Address			Method			Objective	Scale	Comments
	Canton (cont'd)								
39-151-4005	1175 W. Vine St., Alliance	40.93139	-81.123544	Ozone	U.V. Photometric	Continuous	Max. ozone conc.	Urban	(047) Thermo 49
39-151-xxxx	2633 Eight St. NE	?	?	TSP-Pb	Hi-Vol/ICP MS	1 in 6 days	Source-oriented	Middle?	(108) (192)
								To start in	early 2017.
Toledo	Lucas Co.								
39-095-0008	3040 York St., Toledo	41.663405	-83.47596	Sulfur dioxide	U.V. fluorescent	Continuous	Population	Highest conc.	(100) API 100
39-095-0024	348 Erie St., Toledo	41.644067	-83.54625	PM _{2.5} TEOM	Oscillating crystal	Continuous	Highest conc.	Neighborhood	AQI\701 R&P TEOM
				PM _{2.5} FRM Seq/Colo	Gravimetric	1 in 3 days	Highest conc.	Neighborhood	(145) Partisol2025VSCC
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(047) Thermo 49
				Wind speed/wind dir.	Propeller/vane				
39-095-0026	2550 Airport Highway	41.620633	-83.64225	PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	Highest conc.	Neighborhood	(145) Partisol2025VSCC
39-095-0027	200 S. River Road, Waterville	41.494167	-83.718944	Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(047) Thermo 49
20.005.0020	2040 X 1 G E 1 1	41.66225	02.4702	DM EDMC	G : .:	1: 21	TT' 1	NT : 11 1 1	(145) P: 120251/1909
39-095-0028	3040 York St., Toledo	41.66225	-83.4783	PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	Highest conc.	Neighborhood	(145) Partisol2025VSCC
39-095-0034	1002 N. Yondota, Low Service	41.675213	-83.30693	Ozone	U.V. Photometric	Continuous	Max. ozone conc.	Urban	(047) Thermo 49
	,								Site will end 10/2016.
39-095-0035	10739 Corduroy Rd.	41.669001	-83.28717	Ozone	U.V. Photometric	Continuous	Max. ozone conc.	Urban	(047) Thermo 49
									New site begins 5/2016.
39-095-0081	2930 131st St., Toledo	41.719483	-83.47515	Wind speed/wind dir.	Propeller/vane	Continuous	Population	Neighborhood	
SWOAQA	Butler Co.								
39-017-0003	Verity HS, Bonita & St. John	39.49369	-84.3543	PM_{10}	Gravimetric	1 in 6 days	Population	Neighborhood	Site ended 3/31/2016
	Middletown			PM _{2.5} BGI FRM (2)	Gravimetric	1 in 3 days	Population	Neighborhood	POCs 1,4 (142) BGI
				VOCs	GC MS	1 in 12days	Population	Neighborhood	6L-Canister
20.017.0001		20.20220	04.5442			1			(00=) 1== 100
39-017-0004	Hamilton Fire House	39.38338	84.5443	Ozone	U.V. Photometric	Continuous	Max. ozone conc.	Urban	(087) API 400
	Schuler & Bender Ave, Hamilt.	-				Site likely	to relocate or	end before	2017 ozone season.
39-017-0015	3901 Lefferson, Middletown	39.49014	-84.3642	PM ₁₀ Lo-Vol	Gravimetric	1 in 6 days	Population	Neighborhood	(125) BGI
39-017-0013	Original site ended 12/31/2015	39.49014	-04.3042	PM ₁₀ Lo-Vol PM _{2.5} Lo-Vol BGI(2)				Neighborhood Neighborhood	(125) BGI (142) POC 1,4
	Restarted 4/1/2016 to new	location or	sama	. ,	Gravimetric	1 in 3 days	Population		on ground platform
	Restarted 4/1/2010 to flew	location on	same	property				monitors now	on ground platform
		1	1			1			
			I	1	1			I	

SWOAQA 39-017-0016 S 39-017-0018 F 39-017-0019 A	Address Cont' Sacred Heart School 400 Nilles Rd., Fairfield Hook Field Airport, Middletwn Amanda School 1300 Oxford Rd., Middletown 3350 Yankee Rd., Middletown	39.33841 39.529444 39.478849	-84.5666 -84.393453 -84.407675	Method PM _{2.5} BGI FRM (2) Ozone PM ₁₀ –Low Vol. PM _{2.5} FRM BGI (2) PM _{2.5} Thermo Sharp Sulfur dioxide VOC	Gravimetric Gravimetric Gravimetric Gravimetric Beta attenuation U.V. Florescence GC/MS	1 in 3 days Continuous 1 in 6 days 1 in 3 days Continuous Continuous 1 in 12days	Population Population Source oriented Source oriented Source oriented Source oriented	Urban Urban Urban Neighborhood Neighborhood Neighborhood Neighborhood	(142) BGI PQ200VSCC POCs 1,4 (087) API 400 (125) BGI PQ200 POCs 1,4 (142) PQ200 AQI\753 Thermo 5030
SWOAQA 39-017-0016 S 4 39-017-0018 F 1	Sacred Heart School 400 Nilles Rd., Fairfield Hook Field Airport, Middletwn Amanda School 1300 Oxford Rd., Middletown	39.529444 39.478849	-84.393453	Ozone PM ₁₀ –Low Vol. PM _{2.5} FRM BGI (2) PM _{2.5} Thermo Sharp Sulfur dioxide	U.V. Photometric Gravimetric Gravimetric Beta attenuation U.V. Florescence	Continuous 1 in 6 days 1 in 3 days Continuous Continuous	Population Source oriented Source oriented Source oriented	Urban Neighborhood Neighborhood Neighborhood	POCs 1,4 (087) API 400 (125) BGI PQ200 POCs 1,4 (142) PQ200 AQI\753 Thermo 5030
39-017-0016 S 4 39-017-0018 F 39-017-0019 A	Sacred Heart School 400 Nilles Rd., Fairfield Hook Field Airport, Middletwn Amanda School 1300 Oxford Rd., Middletown	39.529444 39.478849	-84.393453	Ozone PM ₁₀ –Low Vol. PM _{2.5} FRM BGI (2) PM _{2.5} Thermo Sharp Sulfur dioxide	U.V. Photometric Gravimetric Gravimetric Beta attenuation U.V. Florescence	Continuous 1 in 6 days 1 in 3 days Continuous Continuous	Population Source oriented Source oriented Source oriented	Urban Neighborhood Neighborhood Neighborhood	POCs 1,4 (087) API 400 (125) BGI PQ200 POCs 1,4 (142) PQ200 AQI\753 Thermo 5030
39-017-0018 F 39-017-0019 A	400 Nilles Rd., Fairfield Hook Field Airport, Middletwn Amanda School 1300 Oxford Rd., Middletown	39.529444 39.478849	-84.393453	Ozone PM ₁₀ –Low Vol. PM _{2.5} FRM BGI (2) PM _{2.5} Thermo Sharp Sulfur dioxide	U.V. Photometric Gravimetric Gravimetric Beta attenuation U.V. Florescence	Continuous 1 in 6 days 1 in 3 days Continuous Continuous	Population Source oriented Source oriented Source oriented	Neighborhood Neighborhood Neighborhood	POCs 1,4 (087) API 400 (125) BGI PQ200 POCs 1,4 (142) PQ200 AQI\753 Thermo 5030
39-017-0018 F 39-017-0019 A	Hook Field Airport, Middletwn Amanda School 1300 Oxford Rd., Middletown	39.478849		PM ₁₀ –Low Vol. PM _{2.5} FRM BGI (2) PM _{2.5} Thermo Sharp Sulfur dioxide	Gravimetric Gravimetric Beta attenuation U.V. Florescence	1 in 6 days 1 in 3 days Continuous Continuous	Source oriented Source oriented Source oriented	Neighborhood Neighborhood Neighborhood	(087) API 400 (125) BGI PQ200 POCs 1,4 (142) PQ200 AQI\753 Thermo 5030
39-017-0019 A	Amanda School 1300 Oxford Rd., Middletown	39.478849		PM ₁₀ –Low Vol. PM _{2.5} FRM BGI (2) PM _{2.5} Thermo Sharp Sulfur dioxide	Gravimetric Gravimetric Beta attenuation U.V. Florescence	1 in 6 days 1 in 3 days Continuous Continuous	Source oriented Source oriented Source oriented	Neighborhood Neighborhood Neighborhood	(125) BGI PQ200 POCs 1,4 (142) PQ200 AQI\753 Thermo 5030
1	1300 Oxford Rd., Middletown		-84.407675	PM _{2.5} FRM BGI (2) PM _{2.5} Thermo Sharp Sulfur dioxide	Gravimetric Beta attenuation U.V. Florescence	1 in 3 days Continuous Continuous	Source oriented Source oriented	Neighborhood Neighborhood	POCs 1,4 (142) PQ200 AQI\753 Thermo 5030
1	1300 Oxford Rd., Middletown		-04.407073	PM _{2.5} FRM BGI (2) PM _{2.5} Thermo Sharp Sulfur dioxide	Gravimetric Beta attenuation U.V. Florescence	1 in 3 days Continuous Continuous	Source oriented Source oriented	Neighborhood Neighborhood	POCs 1,4 (142) PQ200 AQI\753 Thermo 5030
		39.472436		PM _{2.5} Thermo Sharp Sulfur dioxide	Beta attenuation U.V. Florescence	Continuous Continuous	Source oriented	Neighborhood	AQI\753 Thermo 5030
39-017-0020 3	3350 Yankee Rd., Middletown	39.472436		Sulfur dioxide	U.V. Florescence	Continuous			
39-017-0020 3	3350 Yankee Rd., Middletown	39.472436					Bource offented		100\API 100
39-017-0020	3350 Yankee Rd., Middletown	39.472436		100	OC/IVID		Source oriented	Neighborhood	6L-Canister
39-017-0020	3350 Yankee Rd., Middletown	39.472436				1 III 12days	Bource offence	reignoomoou	on camper
	,		-84.394952	PM ₁₀ -Low Vol.	Gravimetric	1 in 6 days	Source oriented	Neighborhood	(125) BGI PQ200
				PM _{2.5} BGI FRM (2)	Gravimetric	1 in 3 days	Source oriented	Middle Scale	POC 1,4 (142) PQ200
				PM _{2.5} Thermo Sharp	Beta attenuation	Continuous	Source oriented	Neighborhood	AQI\753 Thermo 5030
				Sulfur dioxide	Pulsed Florescence	Continuous	Source oriented	Neighborhood	100\API 100
				VOC	GC/MS	1 in 12days	Source oriented	Neighborhood	6L-Canister
								8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
39-017-0021 1	1491 Made Industrial Dr.	39.464718	-84.4037	Sulfur dioxide	U.V. Florescence	Continuous	Source oriented	Neighborhood	100\API 100
1	Middletown								
39-017-0022 3	3214 Yankee Rd., Middletown	39.47869	-84.3971	PM _{2.5} BGI FRM SPM	Gravimetric	1 in 6 days	Source oriented	Neighborhood	(142) BGI PQ200 VSCC
					Sample freq. changes	to 1/3	from 1/6 in 2017		
	Clermont Co.								
39-025-0022 2	2400 Clermont Drive, Batavia	39.0828	-84.1441	PM _{2.5} TEOM FDMS	Oscillating crystal	Continuous	Highest conc.	Neighborhood	AQI\(761) R & P FDMS
				Ozone	U.V. Photometric	Continuous	Max. Ozone conc	Urban	(087) API 400
J	Hamilton Co.								
39-061-0006 1	11590 Grooms Rd., Sycamore	39.2787	-84.366192	PM _{2.5} BGI FRM	Gravimetric	1 in 3 days	Population	Neighborhood	(142) PQ200 VSCC
				PM _{2.5} Thermo Sharp	Beta Attenuation	Continuous	Population	Neighborhood	(184) Thermo 5030i
				Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	(087) API 400
				FRM changes to 1/6	from 1/3 in 2017.	PM _{2.5} cont.	FEM to become	primary	monitor in 2017.
39-061-0010	Colerain, 6950 Ripple Rd.	39.21487	-84.69086	Sulfur dioxide	U.V. Fluorescence	Continuous	Population	Neighborhood	(100) API 100
(Cleves			Ozone	U.V. Photometric	Continuous	Population	Urban	(087) API 400
				PM _{2.5} Met One BAM	Beta Attenuation	Continuous	Population	Urban	AQI (733), BAM VSCC
				PM _{2.5} BGI FRM (2)	Gravimetric	1 in 3 days	Population	Urban	POCs 1,4 (142) PQ200
39-061-0014 C	Carthage Fire House	39.19433	-84.47898	PM ₁₀ Hi-Vol	Gravimetric	1 in 6 days	Highest conc.	Middle	(063) GMW 1200
	Seymour &Vine, Cincinnati	37.17433	01.17070	PM _{2.5} FRM Seq/Colo	Gravimetric	1 in 3 days	Population Population	Neighborhood	(155) RASS2.5 w/VSCC
	bejinear & vine, emeninan			(155) started 4/1/16.	On 1/1/2017 one BGI	will start	(142) with no	collocated	sampler.
				VOCs	GC MS	1 in 12days	Urban	Neighborhood	6L-Canister

AQS ID # Air Agency	County/ Address	Latitude	Longitude	Parameter/ Method	Analysis	Schedule	Monitoring Objective	Spatial Scale	Method Code/ Comments
SWOAQA	Cont'			11201100			5 × j • • • • • • • • • • • • • • • • • •		0 0 11111 0 11 0 1
39-061-0040	250 Taft Rd. Cincinnati	39.123841	-84.504011	PM ₁₀ lo-vol Pb colo	Gravimetric	1 in 6 days	Population	Neighborhood	ended 12/31/2015
N-Core site	200 Ture real emonance	57.1255.1	0.120.011	PM ₁₀ lo-vol/colo	Gravimetric	1 in 3 days	Population	Neighborhood	(125) BGI PQ200
1, 0010 5100				PM ₁₀ TEOM FDMS	Oscillating crystal	Continuous	Population	Neighborhood	AQI, (079) R&P 1400
				PM _{2.5} FRM/Colo.	Gravimetric	1 in 3 days	Population	Neighborhood	(142) BGI PQ200
				PM _{10-2.5} FRM/Colo.	Gravimetric	1 in 3 days	Population	Neighborhood	(173) BGI PQ200
				PM _{2.5} SHARP	Beta Attenuation	Continuous	Population	Neighborhood	AQI, (184) TS 5030i
				Chemical Speciation	Ion Chromatograph	1 in 3 days	SIP info	Neighborhood	(810) Met One SASS
				URG-3000	Carbon speciation	1 in 3 days	SIP info	Neighborhood	(0.00) 0.000 0.000 0.000
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(087) API 400
				NO, NO ₂ & NOx	Chemiluminescence	Continuous	Population	Neighborhood	(099) API 200
				True NO ₂	Chemiluminescence	Continuous	Population	Neighborhood	API T500U, add in 2017.
				Sulfur dioxide-trace	Ultravio fluorescence	Continuous	Population	Urban	(592) EC 9850
				CO-trace	Gas filter correlation	Continuous	Population	Urban	(588) EC 9830
				NOy Trace	Chemiluminescence	Continuous	Population	Urban	(691)
				WS/WD Met	Sonic	Continuous	1		(127)
				Black Carbon	Aethalometer	Continuous	Population	Urban	to be added by 2017
				NO trace	Chemiluminescence	Continuous	Population	Urban	(691) EcoTech 9843
							•		
39-061-0042	Lower Price Hill, 8th St. Cinti	39.10492	-84.55117	PM _{2.5} FRM BGI (2)	Gravimetric	1 in 3 days	Population	Neighborhood	POCs 1,4 (142) PQ200
39-061-0047	Kibby Lane	39.131635	-84.707205	VOC	GCMS	1 in 6 days	Population	Neighborhood	6L-Canister
					Sample frequency	changing to	1:12 from 1:6	at any time.	
39-061-0048	Near-road NO2 site	39.146025	-84.538375	NO ₂	Chemiluminescence	Continuous	High Conc.	Microscale	(099) API 200
				CO trace	Infrared	Continuous	High Conc.	Microscale	(593) API 300EU
					Spatial scale has not	been	determined by	Region V.	
				Black Carbon	Optical absorption	Continuous	High Conc.	Microscale	(894) TAPI M633
				PM _{2.5} Thermo Sharp	Beta Attenuation	Continuous	Highest Conc.	Microscale	(184) to start by Jan.2017
39-061-5001	Wyoming & Cooper, Lockland	39.226729	-84.453978	PM ₁₀ Hi-Vol./Colo.	Gravimetric	1 in 6 days	Population	Neighborhood	(063) GMW 1200
	Warren Co.								
39-165-0007	416 Southeast St., Lebanon	39.42693	-84.2006	PM _{2.5} BAM	Beta attenuation	Continuous	Population	Neighborhood	AQI\(731) BAM SCC
				Ozone	U.V. Photometric	Continuous	Max. Ozone Concentration	Urban	(087) API 400

AQS ID #	County/	Latitude	Longitude	Parameter/	Analysis	Schedule	Monitoring	Spatial	Method Code/
Air Agency	Address			Method			Objective	Scale	Comments
Cleveland	Cuyahoga Co.								
39-035-0034	891 E. 152 St.	41.55523	-81.575256	PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	Population	Urban	(145) Partisol2025VSCC
	Cleveland			Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(087) API400
39-035-0038	St. Theodosius, St. Tikon St.	41.477011	-81.682383	PM ₁₀ Hi-Vol. (5) unit	Gravimetric	1 in 1 day	Highest conc.	Neighborhood	(063) POCs 1,4,6,7,8
	Cleveland			PM _{2.5} FRM SeqColo	Gravimetric	1 in 3 days	Highest conc.	Neighborhood	(145) Partisol2025VSCC
				TSP lead-metals	Hi-Vol/ICP MS	1 in 6 days	Highest conc.	Neighborhood	(108) (192)
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Highest conc.	Neighborhood	(060) Thermo 43b
				Chemical Speciation	Ion Chromatograph	1 in 6 days	SIP info		(810) Met One SASS
				VOCs	GC MS	1 in 12days	Population	Neighborhood	6L-canister
39-035-0042	Fire Station 4, 3136 Lorain	41.4823	-81.708906	TSP Pb\Metals Colo.	Hi-Vol/ICP MS	1 in 6 days	Population	Middle	
39-035-0045	FS 13, 4950 Broadway Ave.	41.471782	-81.656792	PM ₁₀ Hi-Vol./Colo.	Gravimetric	1 in 6 days	Population	Neighborhood	(063) GMW 1200
27 022 00.2	Cleveland	,1,02	01.050772	PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	Population	Neighborhood	(145) Partisol2025VSCC
	CIVICALID			Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	(060) Thermo 43c
39-035-0049	Ferro Corp. E. 56 th St.	41.446342	-81.6507	TSP-Pb/Metals Colo.	Hi-Vol/ICP MS	1 in 6 days	Source-oriented	Neighborhood	(108) (192)
37 033 0047	Cleveland	11.110312	01.0307	TST TO/Metals Colo.	THE VOLUCE IVIS	1 III o days	Bource offened	Ttergmoormood	(100) (172)
39-035-0051	Galleria, E. Ninth & St. Clair	41.504661	-81.690186	Carbon monoxide	Infrared	Continuous	Highest conc.	Microscale	(054) Thermo 48c
39-033-0031	Ganeria, E. Ninui & St. Ciair	41.304001	-81.090180	Carbon monoxide	mirared	Continuous	Highest conc.	Wilcroscale	(034) Thermo 480
39-035-0060	GT Craig, E. 14th & Orange	41.492117	-81.678449	PM ₁₀ Hi-Vol.	Gravimetric	1 in 6 days	Population	Neighborhood	(063) GMW 1200
N-Core site	Cleveland			PM ₁₀ TEOM	Oscillating crystal	Continuous	Population	Neighborhood	(079) R&P 1400
				PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	Population	Neighborhood	(179) Partisol Dicot2025i
				PM _{2.5} MetOne BAM	Beta attenuation	Continuous	Population	Neighborhood	AQI (170) MetOne BAM
				PM _{2.5} Spec. Colo.	Ion Chromatograph	1 in 3 days	SIP info		(810) Met One SASS
				URG-3000	Carbon speciation	1 in 6 days	SIP information		
	Proposed to Region V to end	Pb/metals	sampling	TSP lead-metals	Hi-Vol/ICP MS	1 in 6 days	Highest conc.	Neighborhood	(108) (192)
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(087) API400
				NO ₂	Chemiluminescence	Continuous	Population	Neighborhood	(074) Thermo 42i
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	(060) Thermo 43a
				Sulfur dioxide-trace	Pulsed Fluorescence	Continuous	Population	Neighborhood	(560) Thermo 43C-TLE
				NOy	Chemiluminescence	Continuous	Population	Neighborhood	(674)
				CO-trace	Carbon monoxide	Infrared	Population	Neighborhood	(554) Thermo 48i-TLE
				PM ₁₀ local	Gravimetric	1 in 3 days	Population	Neighborhood	(127) Partisol 2025i
				PM _{10-2.5} Seq.	Gravimetric	1 in 3 days	Population	Neighborhood	(176) Partisol Plus 2025
				PM ₁₀ Local Seq.	Gravimetric	1 in 6 days	Population	Neighborhood	(127) Partisol Plus 2025

		I	I						
CLEVE cont'									
39-035-0061	South side W. 3 rd St. Cleveland	41.473092	-81.676596	TSP-lead-metals	Hi-Vol/ICP MS	1 in 6 days	Highest conc.	Middle	(108) (192)
39-035-0064	390 Fair St. Berea BOE	41.36189	-81.864608	Ozone	U.V. Photometric	Continuous	Upwind backgrd.	Neighborhood	(087) API400
39-035-0065	4600 Harvard Ave., Newburgh	41.446682	-81.662419	PM ₁₀ Hi-Vol.	Gravimetric	1 in 6 days	Highest conc.	Neighborhood	(063) GMW 1200
				PM _{2.5} FRM Seq. Sulfur dioxide	Gravimetric U.V. Fluorescence	1 in 3 days Continuous	Population Highest conc.	Neighborhood Neighborhood	(145) Partisol2025VSCC (100) API 100
					U.V. Pluorescence	Continuous	riighest conc.	Neighborhood	(100) Al 1 100
39-035-0072	26565 Miles Rd., Warrensville	41.42585	-81.49078	TSP-Lead	Hi-Vol/ICP MS	1 in 6 days	Source oriented	Middle	Proposing to end in 2016
39-035-0073	25609 Emory Rd.	41.4409	-81.4949	NO ₂	Chemiluminescence	Continuous	High conc.	Microscale	(099)
	Warrensville Hts. Cleveland's Near Rd. NO ₂ Site			CO WS\WD	Infrared Sonic	Continuous Continuous	High. Conc.	Microscale	(093) PI 300
	Creverand's real Rd. 1802 Site			WS/WD	Some	Continuous			
39-035-1002	16900 Holland Road	41.39629	-81.818667	PM ₁₀ Hi-Vol.	Gravimetric	1 in 6 days	Population	Neighborhood	(063) GMW 1200
<i>by</i> 000 1002	Brookpark	11.05 025	011010007	PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	Population	Neighborhood	(145) Partisol2025VSCC
				VOCs	GC MS	1 in 12days	Population	Neighborhood	6L-Canister
39-035-5002	6116 Wilson Road, Mayfield	41.537344	-81.458834	Ozone	U.V. Photometric	Continuous	Max. ozone conc.	Urban	(019) Dasibi1003RS
39-035-xxxx	2 new Pb sites to be added near	Cleveland	Pb sources	In 2017.					
RAPCA	Clark Co.								
39-023-0001	5171 Urbana Rd., Springfield	40.00103	-83.80456	Ozone	U.V. Photometric	Continuous	High conc.	Urban	(047) Thermo 49
39-023-0003	5400 Spangler Rd., Enon	39.85567	-83.99773	Ozone	U.V. Photometric	Continuous	Population	Urban	(047) Thermo 49
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	(060) Thermo 43i
39-023-0005	350 N. Fountain Rd.,	39.928820	-83.80949	PM _{2.5} Thermo Sharp	Beta attenuation	Continuous	Population	Neighborhood	(750) Thermo Sharp5030
	Springfield			PM _{2.5} BGI FRM (2)	Gravimetric	1 in 3 days	Population	Neighborhood	POCs 1,4 (142) BGI
	Greene Co.								
39-057-0005	100 Dayton Rd.,	39.80834	-83.88705	PM ₁₀ Hi-vol.	Gravimetric	1 in 6 days	Population	Neighborhood	(062) Wedding
	Yellow Springs			PM _{2.5} BGI Colo. (2) PM _{2.5} Thermo Sharp	Gravimetric Beta attenuation	1in 3 days Continuous	Population Population	Neighborhood Neighborhood	POCs 1,4 (142) BGI (750) Thermo Sharp5030
20.057.0006	EALL-H-M-DIV	20.66575	92.04295		HW Db-4	Cti	•		
39-057-0006	541 Ledbetter Rd., Xenia	39.66575	-83.94285	Ozone	U.V. Photometric	Continuous	Max. ozone conc.	Urban	(047) Thermo 49

AQS ID #	County	Latitude	Longitude	Parameter/	Analysis	Schedule	Monitoring	Spatial	Method Code/
Air Agency	Address			Method			Objective	Scale	Comments
RAPCA cont'									
	Miami Co.								
39-109-0005	3825 N. Rt. 589, Castown	40.08455	-84.11412	Ozone	U.V. Photometric	Continuous	Max. ozone conc.	Urban	(047) Thermo 49
	Montgomery Co								
39-113-0034	117 S. Main St., Dayton	39.757837	-84.191667	Carbon monoxide	Infrared	Continuous	Highest conc.	Microscale	(054) Thermo 48i
							8		
39-113-0037	1401Harshman Rd., Dayton	39.7863	-84.1337	Ozone	U.V. Photometric	Continuous	Population	Urban	(047) Thermo 49
	, ,						•		
39-113-0038	Sinclair Community College	39.7560	-84.1987	PM _{2.5} FRM Seq/Colo	Gravimetric	1 in 3 days	Highest Conc.	Neighborhood	(145)/Partisol 2025
	444 W. Third St., Dayton			PM _{2.5} Thermo Sharp	Beta attenuation	Continuous	Highest Conc.	Neighborhood	(750) Thermo Sharp5030
				Chemical Speciation	Ion Chromatograph	1 in 6 days	SIP information	Neighborhood	(810) Met One SASS
				URG-3000	Carbon speciation	1 in 6 days	SIP information	Neighborhood	
					•			Ü	
39-113-7001	2728 Viking Lane, Moraine	39.71451	-84.21798	PM ₁₀ Hi-Vol./Colo.	Gravimetric	1 in 6 days	Highest conc.	Neighborhood	(063) GMW 1200
	5			TSP-Pb/Metals-Colo.	ICP	1 in 6 days	Population	Neighborhood	(192) Mass Spectrometry
					Proposed to Region	V to end	metals/ lead	sampling by	the end of 2016.
					•				
	Preble Co.								
39-135-1001	National Trail School	39.8362	-84.72049	PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	Upwind backgd.	Regional	(145) Partisol2025VSCC
N-Core site	6940 Oxford Gettysburg Rd.			PM _{2.5} Thermo Sharp	Beta attenuation	Continuous	Upwind backgd.	Regional	(750) Thermo Sharp5030
	St. Rt. 40, New Paris			Ozone	U.V. Photometric	Continuous	Upwind backgd.	Regional	(047) Thermo 49
				Sulfur dioxide- trace	Pulsed Fluorescence	Continuous	Upwind backgd.	Regional	(560) Eco Tech 9850
				Carbon monoxide	Infrared	Continuous	Upwind backgd.	Regional	(554) Thermo48i-TLE
				NOy	Chemiluminescence	Continuous	Upwind backgd.	Regional	(674)
				NO-trace	Chemiluminescence	Continuous	Upwind backgd.	Regional	(574) Eco Tech 9841?
				PM _{10-2.5} Coarse	Gravimetric	1 in 3 days	Upwind backgd.	Regional	(176) Partisol Plus 2025
				PM ₁₀ – LC-colo	Gravimetric	1 in 3 days	Upwind backgd.	Regional	(127) Partisol Plus 2025
				URG-3000	Carbon speciation	1 in 6 days	Upwind backgd.	Regional	
				Chemical Speciation	Ion Chromatograph	1 in 6 days	Upwind backgd.	Regional	(810) Met One SASS
				WSpd/WDir/MET	Sonic	Continuous			(022) Resultant WS/WD
			1						
MEADO	1								
MTAPCA	Mahoning Co.		00.447053	77.5	a			1	(0.40) (0.40)
39-099-0005	Elm & Madison, FS #7	41.111111	-80.645278	PM ₁₀ Hi-vol.	Gravimetric	1 in 6 days	Population	Neighborhood	(063) GMW 1200
				PM _{2.5} FRM BGIColo	Gravimetric	1 in 6 days	Highest Conc.	Neighborhood	(142) BGI PQ200 VSCC
20.000.000		41 11 555	00.660726	DM III W 1 /G 1	G : .:	1: 61	D. L.:	AT 111 1 1	(0.62) CM (W. 1200
39-099-0006	Superior & Oakland, Fire St. 5	41.116667	-80.669722	PM ₁₀ Hi-Vol./Colo.	Gravimetric	1 in 6 days	Population	Neighborhood	(063) GMW 1200
				Site may be	discontinued or	Relocated	In 2016 or 2017.		

Mahoning Co. 39-099-0013 345 Oakhill Ave, Youngstown 41,096142 -80,65852 Sulfur dioxide Pulsed Fluorescence Continuous Population Neighborhood (0 20 20 20 20 20 20 20	Method Code/	Spatial	Monitoring	Schedule	Analysis	Parameter/	Longitude	Latitude	County	AQS ID#
39-099-0013 345 Oakhill Ave, Youngstown 41.096142 -80.65852 Sulfur dioxide Pulsed Fluorescence Continuous Population Neighborhood (0	Comments	Scale	Objective			Method	ļ		Address	Air Agency
Ozone U.V. Photometric Continuous Population Neighborhood (0									Mahoning Co.	
39-099-0014 345 Oakhill Ave. Youngstown 41.095938 -80.658467 PM2.5 BGI FRM (2) Gravimetric 1 in 3 days Population Neighborhood PM2.5 TEOM Oscillating crystal Continuous Population Neighborhood A	(061) Dasibi4108	Neighborhood	Population	Continuous	Pulsed Fluorescence	Sulfur dioxide	-80.65852	41.096142	345 Oakhill Ave. Youngstown	39-099-0013
PM25 TEOM Oscillating crystal Continuous Population Neighborhood A	(087) API 400	Neighborhood	Population	Continuous	U.V. Photometric	Ozone				
PM25 TEOM Oscillating crystal Continuous Population Neighborhood A										
Trumbull Co. 39-155-0005 540 Laird Ave., Warren 41.231167 -80.801914 PM ₁₀ -Colo Gravimetric 1 in 6 days Population Neighborhood PM _{2.5} BGI FRM (2) Gravimetric 1 in 3 days Population Neighborhood PM _{2.5} TEOM Oscillating crystal Continuous Max. Ozone Con. Urban (0 oscillating crystal Continuous Population Neighborhood PM _{2.5} TEOM Oscillating crystal Continuous Max. Ozone Con. Urban (0 oscillating crystal Continuous Population Neighborhood PM _{2.5} TEOM Oscillating crystal Continuous Neighborhood Neighborhood PM _{2.5} TEOM Oscillating crystal Continuous Neighborhood Neighborhood Neighborhood Neighborhood Neighborhood Neighborhood Neighborhood Neighborhoo	POC 1,4 (142) PQ200			1 in 3 days			-80.658467	41.095938	345 Oakhill Ave. Youngstown	39-099-0014
39-155-0005 540 Laird Ave., Warren 41.231167 -80.801914 PM ₁₀ -Colo Gravimetric 1 in 6 days Population Neighborhood PM ₂₅ BGI FRM (2) Gravimetric 1 in 6 days Population Neighborhood PM ₂₅ TEOM Oscillating crystal Continuous Continuous Continuous Population Neighborhood PM ₂₅ TEOM Oscillating crystal Continuous Continuo	AQI\(701) TEOM SCC	Neighborhood	Population	Continuous	Oscillating crystal	PM _{2.5} TEOM				
Site relocated on same PM2.5 BGI FRM (2) Gravimetric 1 in 3 days Population Neighborhood PM2.5 TEOM Oscillating crystal Continuous Population Neighborhood Acceptable Acceptab										
PM2.5 TEOM PM2	Terminated May 2015				Gravimetric		-80.801914	41.231167		39-155-0005
39-155-0010 St. Rt. 193, Vienna, TCSEG 41.240456 -80.662759 Ozone U.V. Photometric Continuous Max. Ozone Con. Urban (0 ozone U.V. Photometric Continuous Reg. transport Urban (0 ozone U.V. Photometric Continuous Population Neighborhood (0 ozone U.V. Photometric Continuous Population Neighborhood Reg. transport Urban (0 ozone U.V. Photometric Continuous Population Neighborhood Reg. transport Urban (0 ozone U.V. Photometric	POCs 1,4 (142) PQ200	Neighborhood	Population	1 in 3 days	Gravimetric				Site relocated on same	
39-155-0013	AQI	Neighborhood	Population	Continuous	Oscillating crystal	PM _{2.5} TEOM			property 39-155-0014	
39-155-0013 6380 SR 87, Kinsman Twnshp 41.454546 -80.58805 Ozone U.V. Photometric Continuous Reg. transport Urban Quantities Q	(062) Wedding	Neighborhood	Source-oriented	1 in 6 days	Gravimetric	PM ₁₀ Hi-vol.	-80.810644	41.202237	Warren Water Treatment Plant	39-155-0006
39-155-0013 6380 SR 87, Kinsman Twnshp 41.454546 -80.58805 Ozone U.V. Photometric Continuous Reg. transport Urban Quantities Q	(087) API 400	Urban	Max. Ozone Con.	Continuous	U.V. Photometric	Ozone	-80.662759	41.240456	St. Rt. 193. Vienna, TCSEG	39-155-0011
Maintenance Bldg., Kinsman Maintenance Bldg., Bldg	(007)111100	010411	THE COME COM	Communication	CTTT II OCOMPANIE	ozone -	00.002707	11.2.0.00	50 Tel. 150, *10mm, 10020	0, 100 0011
Maintenance Bldg., Kinsman Maintenance Bldg., Bldg	(087) API 400	Urban	Reg. transport	Continuous	U.V. Photometric	Ozone	-80.58805	41.454546	6380 SR 87, Kinsman Twnshp	39-155-0013
39-155-0014 540 Laird Ave., Warren 41.231167 -80.801914 PM ₁₀ Hi-vol./Colo. Gravimetric 1 in 6 days Population Neighborhood PM _{2.5} BGI FRM (2) Gravimetric 1 in 3 days Population Neighborhood PM _{2.5} TEOM Oscillating crystal Continuous Population Neighborhood PM _{2.5} TEOM PM _{2.5} TEOM Oscillating crystal Continuous Population Neighborhood Acceptable Ac	(44,)							12770		
Site started Jan. 1, 2016 PM _{2.5} BGI FRM (2) PM _{2.5} TEOM Oscillating crystal Continuous Population Neighborhood A Lake LAA Geauga Co. 39-055-0004 Notre Dame School, Munson A:51551 -81.249906 Ozone U.V. Photometric Continuous Max. Ozone Con. Urban Continuous Max. Ozone Con. Urban (1) Source-oriented Neighborhood A U.V. Photometric Continuous Max. Ozone Con. Urban (2) Continuous Max. Ozone Con. Urban (3) Source-oriented Neighborhood (1) Neighbor										
PM2.5 TEOM Oscillating crystal Continuous Population Neighborhood Alexa	(062) Wedding	Neighborhood	Population	1 in 6 days	Gravimetric	PM ₁₀ Hi-vol./Colo.	-80.801914	41.231167	540 Laird Ave., Warren	39-155-0014
Lake LAA Geauga Co. Just Continuous Max. Ozone Con. Urban Urban Continuous Max. Ozone Con. Neighborhood Continuous Max. Ozone Con. Microscale Continuous Microscale Continuous Mic	POCs 1,4	Neighborhood	Population	1 in 3 days	Gravimetric	PM _{2.5} BGI FRM (2)			Site started Jan. 1, 2016	
39-055-0004 Notre Dame School, Munson 41.51551 -81.249906 Ozone U.V. Photometric Continuous Max. Ozone Con. Urban (0 0 0 0 0 0 0 0 0	AQI (701) TEOM SCC	Neighborhood	Population	Continuous	Oscillating crystal	PM _{2.5} TEOM				
39-055-0004 Notre Dame School, Munson 41.51551 -81.249906 Ozone U.V. Photometric Continuous Max. Ozone Con. Urban (0 0 0 0 0 0 0 0 0									Geauga Co.	Lake LAA
Lake Co. 39-085-0003 Jefferson School, Eastlake 41.673006 -81.422455 Sulfur dioxide Pulsed Fluorescence Continuous Source-oriented Neighborhood (1 Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (0 Source-oriented Neighborhood (1 Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (1 Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (1 Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (1 Ozone U.V. Photometric U.V. Photometric Continuous Highest conc. Microscale (0 Ozone U.V. Photometric U.V.	(087) API 400	Urban	Max. Ozone Con.	Continuous	U.V. Photometric	Ozone	-81.249906	41.51551		
39-085-0003 Jefferson School, Eastlake 41.673006 -81.422455 Sulfur dioxide Pulsed Fluorescence Continuous Source-oriented Neighborhood (1 Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (0 September 199-085-0006) Neighborhood (1 Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (1 Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (1 Ozone U.V. Photometric U.V. Photometric Continuous Highest conc. Microscale (1 Ozone U.V. Photometric U.V.	(007)111100	010411	THE COME COM	Communication	CTTT II OCOMPANIE	ozone -	01.2 15500	11.01001	Troug Build Build St. Turistin	27 022 000.
39-085-0003 Jefferson School, Eastlake 41.673006 -81.422455 Sulfur dioxide Pulsed Fluorescence Continuous Source-oriented Neighborhood (1 Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (0 September 199-085-0006) Neighborhood (1 Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (1 Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (1 Ozone U.V. Photometric U.V. Photometric Continuous Highest conc. Microscale (1 Ozone U.V. Photometric U.V.									Lake Co.	
Ozone U.V. Photometric Continuous Max. Ozone Con. Neighborhood (0 1 1 1 1 1 1 1 1 1	(100)/API 100	Neighborhood	Source-oriented	Continuous	Pulsed Fluorescence	Sulfur dioxide	-81.422455	41.673006		39-085-0003
39-085-0007 177 Main St., Painesville 41.726811 -81.242156 PM _{2.5} FRM Seq/Colo Gravimetric 1 in 3 days Highest conc. Urban (1	(087) API 400		Max. Ozone Con.	Continuous	U.V. Photometric	Ozone				
39-085-0007 177 Main St., Painesville 41.726811 -81.242156 PM _{2.5} FRM Seq/Colo Gravimetric 1 in 3 days Highest conc. Urban (1										
	(051) Dasibi3003	Microscale	Highest conc.	Continuous	Infrared	Carbon monoxide	-81.338781	41.666886	8443 Mentor Ave., Mentor	39-085-0006
	(120) RASS2.5-300	Urban	Highest conc.	1 in 3 days	Gravimetric	PM _{2.5} FRM Seq/Colo	-81.242156	41.726811	177 Main St., Painesville	39-085-0007
PM _{2.5} TEOM FDMS Oscillating crystal Continuous Highest conc. Urban A	AQI (760) R&P TEOM	Urban	Highest conc.		Oscillating crystal	PM _{2.5} TEOM FDMS				
	(100)/API 100	Middle		Continuous		Sulfur dioxide				
	(087) API 400	Urban	Max. Ozone Con.	Continuous		Ozone				
39-085-1001 Fairport High School, Fairport 41.75489 -81.273076 PM ₁₀ Hi-vol./Colo. Gravimetric 1 in 6 days Population Neighborhood (0	(063) GMW 1200	Neighborhood	Population	1 in 6 days	Gravimetric	PM ₁₀ Hi-vol /Colo	-81 273076	41 75489	Fairport High School Fairport	39-085-1001
57-005-1001 Tamport Inga School, Lamport 41.75407 -01.275070 Tivijo In-vol./Colo. Gravinicitic I in o days Topulation Neighborhood (0	(003) GIVI W 1200	racigiloomood	1 Opulation	1 III o days	Gravinicuic	1 1V110 111- VOL./ COIO.	-01.273070	71./3+07	ranport rugu school, ranport	37-003-1001

AQS ID #	County	Latitude	Longitude	Parameter/	Analysis	Schedule	Monitoring	Spatial	Method Code/
Air Agency	Address			Method			Objective	Scale	Comments
Portsmouth	Adams Co.								
39-001-0001	Adams County Hospital	38.794667	-83.533988	PM _{2.5} TA-BAM	Beta attenuation	Continuous	Population	Neighborhood	AQI\(753) BAM VSCC
	210 N. Wilson Dr., West Union			Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	(060) Thermo 43c
	Lawrence Co.								
39-087-0011	St. Rt. 141, Wilgus	38.62901	-82.45896	Ozone	U.V. Photometric	Continuous	Max. Ozone Con.	Urban	(047) Thermo 49
20,007,0012	ODOTEG G D	20.5001	02 (5024	DIA IV		11.61	5 1	27 . 11 . 1	(0.62) HI III
39-087-0012	ODOT Garage, Commerce Dr.	38.5081	-82.65924	PM ₁₀ Hi-vol	Gravimetric	1 in 6 days	Population	Neighborhood	(062) Wedding
				PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	Population	Neighborhood	(118) Partisol2025WINS
				PM _{2.5} TA-BAM	Beta attenuation	Continuous	Population	Neighborhood	AQI\(753) BAM VSCC
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	(060) Thermo 43c
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(047) Thermo 49
	Scioto Co.								
39-145-0013	Portsmouth Water Treat. Ports.	38.754595	-82.917	PM ₁₀ Hi-Vol./Colo.	Gravimetric	1 in 6 days	Highest conc.	Middle	(062) Wedding
				PM _{2.5} FRM Seq.Colo	Gravimetric	1 in 3 days	Highest conc.	Middle	(118) Partisol2025WINS
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	(060) Thermo 43c
39-145-0019	Portsmouth City Annex, Ports.	38.735056	-82.998726	PM ₁₀ Hi-vol	Gravimetric	1 in 6 days	Population	Neighborhood	(062) Wedding
39-145-0020	2840 Back Rd.,	38.609338	-82.822512	PM ₁₀ TEOM	Oscillating crystal	Continuous	Source-oriented	Neighborhood	(150) TA FH62 C14
	Franklin Furnace			Sulfur dioxide	Pulsed Fluorescence	Continuous	Source-oriented	Neighborhood	(060) Thermo 43c
	Permit required site								
39-145-0021	2446 Gallia Pike,	38.600611	-82.829782	PM ₁₀ TEOM	Oscillating crystal	Continuous	Source-oriented	Middle	(150) TA FH62 C14
	Franklin Furnace				,				,
	Permit required site								
39-145-0022	1740 Gallia Pike,	38.588034	-82.834973	PM ₁₀ TEOM	Oscillating crystal	Continuous	Source-oriented	Neighborhood	(150) TA FH62 C14
	Franklin Furnace			Sulfur dioxide	Pulsed Fluorescence	Continuous	Source-oriented	Neighborhood	(060) Thermo 43c
	Permit required site								
CDO	Delaware Co.								
39-041-0002	359 Main Rd., Delaware	40.356694	-83.063971	Ozone	U.V. Photometric	Continuous	Max. Ozone Con.	Urban	(047) Thermo 49
	Franklin Co.								
39-049-0005	1585 Morse Rd., Columbus	40.060124	-82.976857	Carbon Monoxide	Infrared	Continuous	Highest conc.	Micro-scale	(093) API 300
37.047-0003	1303 Morse Ru., Columbus	-0.00012 4	02.770037	Caroon Wonoxide	minutou	Continuous	riighest cone.	Trifeio-scare	(075) 111 1 500

39-049-0034 State 39-049-0029 New 2 39-049-0034 State 39-049-0034 State Korbe 39-049-0037 Frank 39-049-0038 Colum 7560	dress nklin Co. cont' e Fairgrounds nmbus Albany HS, New Albany	39.99875	-82.99344	Method PM ₁₀ Hi-Vol./Colo.			Objective	Scale	Comments
39-049-0024 State Colum 39-049-0029 New A 39-049-0034 State Korbe 39-049-0037 Frank 39-049-0038 Colum 7560 A	e Fairgrounds umbus		-82.99344	PM10 Hi-Vol /Colo					
39-049-0039 New A 39-049-0034 State 39-049-0037 Frank 39-049-0038 Colum 7560	ımbus		-82.99344	PM ₁₀ Hi-Vol /Colo					
39-049-0029 New A 39-049-0034 State 39-049-0037 Frank 39-049-0038 Colum 7560 39-049-0039 Barac	ımbus	40.0047		1 14110 111 4 01./ 0010.	Gravimetric	1 in 6 days	Highest conc.	Neighborhood	(063) GMW 1200
39-049-0034 State Korbe 39-049-0037 Frank 39-049-0038 Colum 7560	Albany HS, New Albany	40.0047		PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	Population	Neighborhood	(145) Partisol2025VSCC
39-049-0037 Frank 39-049-0038 Colum 7560		40.0845	-82.81552	PM _{2.5} BAM	Oscillating crystal	Continuous	Population	Neighborhood	AQI (170) MetOne BAM
39-049-0037 Frank 39-049-0038 Colum 7560				Ozone	U.V. Photometric	Continuous	Population	Urban	(047) Thermo 49
39-049-0037 Frank 39-049-0038 Colum 7560	e Fairgrounds	40.002734	-82.994404	PM _{2.5} TEOM	Oscillating crystal	Continuous	Population	Neighborhood	AQI (701) R&P TEOM
39-049-0037 Frank 39-049-0038 Colum 7560	bel Ave., Columbus	40.002734	-02.334404	VOCs	GC MS	1 in 12days	Population	Neighborhood	6L-Canister
39-049-0038 Colum 7560 39-049-0039 Barac	bei Ave., Columbus			Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	PWEI (060) Thermo 43
39-049-0038 Colum 7560 39-049-0039 Barac	ıklin Park, Broad St., Col.	39.96523	-82.95549	Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(047) Thermo 49
39-049-0039 Barac	ikilii I aik, Bioau St., Coi.	39.90323	-02.93349	NO ₂	Chemiluminescence	Continuous	Population	Neighborhood	(099) API 200
39-049-0039 Barac	ımbus Near Rd. NO ₂ site	40.1111	-83.06545	NO ₂	Chemiluminescence	Continuous	Highest conc.	Microscale	(099)
39-049-0039 Barac	Smoky Row Rd.	40.1111	-63.00343	Carbon monoxide	Infrared	Continuous	Highest conc.	Microscale	(093) API 300E
	O SIHOKY KOW Ku.			PM _{2.5} Thermo Sharp	Beta attenuation	Continuous	Highest conc.	Microscale	Starting before 2017
				Black Carbon	Deta attenuation	Continuous	Highest conc.	Microscale	Starting before 2017 Starting before 2017
				WS/WD	Sonic	Continuous	Trighest conc.	Wilcioscale	(130)
580 E	ack Recreation Center	39.92853	-82.98011	PM _{2.5} FRM Seq/Colo	Gravimetric	1 in 3 days	Highest conc.	Neighborhood	(145) Partisol2025VSCC
	E. Woodrow, Columbus			TSP-lead-metals	Hi-Vol/ICP MS	1 in 6 days	Highest conc.	Neighborhood	(108) (192)
39-049-0081 Fire S	Station, Maple Canyon	40.0877	-82.959773	Ozone	U.V. Photometric	Continuous	Population	Urban	(047) Thermo 49
Colum	ımbus			PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	Population	Neighborhood	(145) Partisol2025VSCC
Knox									
39-083-0002 Water	er Plant, Centerburg	40.310025	-82.691724	Ozone	U.V. Photometric	Continuous	Max. Ozone Con.	Urban	(047) Thermo 49
	king Co.								
39-089-0005 Heath	th School, Heath	40.026037	-82.433	Ozone	U.V. Photometric	Continuous	Max. Ozone Con.	Urban	(047) Thermo 49
	lison Co.								
39-097-0007 Madis	lison High School, London	39.78819	-83.47606	Ozone	U.V. Photometric	Continuous	Max. Ozone Con.	Urban	(047) Thermo 49
							Upwind Backgrd.		

AQS ID#	County	Latitude	Longitude	Parameter/	Analysis	Schedule	Monitoring	Spatial	Method Code/
Air Agency	Address			Method			Objective	Scale	Comments
NEDO	Ashtabula Co.						"		
39-007-1001	Conneaut Water Plt., Conneaut	41.959695	-80.572808	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	(060) Thermo 43C
	,			Ozone	U.V. Photometric	Continuous	Population	Regional	(047) Thermo 49
	Columbiana Co.								
39-029-0019	Columbiana Port Authority,	40.631545	-80.547181	TSP-lead-metals	Hi-Vol/ICP MS	1 in 6 days	Population	Neighborhood	(108) (192)
	East Liverpool			Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	(060) Thermo 43C
39-029-0020	Water Treat. Plant,	40.639595	-80.524019	TSP-lead-metals	Hi-Vol/ICP MS	1 in 6 days	Population	Neighborhood	(108) (192)
	East Liverpool			PM ₁₀ Hi-Vol	Gravimetric	1 in 6 days	Population	Neighborhood	(062) Wedding
						2 2 3 3	- op	Site may be	relocated.
39-029-0022/	500 Maryland Ave.,	40.635275	-80.546642	TSP-Pb/metals/Colo.	Hi-Vol/ICP MS	1 in 6 days	Population	Middle scale	(108) (192)
39-029-0023	East Liverpool	40.6349	-80.5457	PM ₁₀ Hi- Vol./Colo.	Gravimetric	1 in 6 days	Population	Middle scale	(062) Wedding
This site	moved off roof to ground level	Platform in	Feb. 2016	and became	AQS# 39-029-0023	1 III o days	1 opulation	Wilddie scale	(002) Wedding
20.002.0010	Lorain Co.	11 120002	00.00.550		****				(0.45) 57
39-093-0018	Fire Station, Sheffield	41.420882	-82.095729	Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(047) Thermo 49
					Site may be relocated	before	2017 to the Barr	School	relocated site.
39-093-3002	Barr School, Sheffield	41.463071	-82.114261	PM ₁₀ Hi-vol.	Gravimetric	1 in 6 days	Source-oriented	Neighborhood	(062) Wedding
	This site will be relocated			PM _{2.5} FRM Seq.Colo	Gravimetric	1 in 3 days	Source-oriented	Neighborhood	(120) RASS25-300
	Likely before 2017.			PM _{2.5} TEOM	Oscillating crystal	Continuous	Source-oriented	Neighborhood	AQI\(701) TEOM- SCC
				Chemical Speciation	Ion Chromatograph	1 in 12days	Source-oriented	Neighborhood	(810) Met One SASS
				URG-3000	Carbon speciation	1 in 6 days	Source-oriented	Neighborhood	
NWDO	Allen Co.								
39-003-0009	Bath High School, Lima	40.770944	-84.0539	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	(100) API 100
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(047) Thermo 49
				PM _{2.5} FRM BGI/colo	Gravimetric	1 in 6 days	Population	Neighborhood	(142) BGI PQ200 VSCC
				PM _{2.5} TEOM	Oscillating crystal	Continuous	Population	Neighborhood	AQI (701) TEOM- SCC
	Fulton Co.								
39-051-0001	200 Van Buren St., Delta	41.57588	-83.9959	TSP-PB\metals Colo.	Hi-Vol/ICP MS	1 in 6 days	Source-oriented	Middle	(108) (192)
	Marion Co.								
39-101-0003	Nucor Steel, Hawthorne Ave.	42.57141	-83.13556	TSP-lead	Hi-Vol/ICP MS	1 in 6 days	Population	Middle	Marion (108) (192)
	,						•		, , , , ,
39-101-0004	640 Bellefontaine Ave.	40.57666	-83.14024	TSP-lead-metals	Hi-Vol/ICP MS	1 in 6 days	Population	Middle	Marion (108) (192)
	Ottawa Co.								
39-123-0006	Materion, Elmore	41.494722	-83.214444	TSP – beryllium	Hi-Vol/ICP MS	7daysample	Source-oriented	Middle	Brush-Wellman (9 sites)
to 123-0014	Transferring Emilion	11.17-17-12-2	03.21777	151 confinant	111 101/101 1110	, augsumpte	Source offented	11114410	operated by BW.

AQS ID #	County	Latitude	Longitude	Parameter/	Analysis	Schedule	Monitoring	Spatial	Method Code/
Air Agency	Address			Method	•		Objective	Scale	Comments
NWDO cont'	Wood Co.						.,		
39-173-0003	NWDO Office, Bowling Green	41.377685	-83.611104	Ozone	U.V. Photometric	Continuous	Upwind Backgd	Urban	(047) Thermo 49
	, ,						1		
SEDO	Athens Co.								
39-009-0003	St. Rt. 377, Gifford Forest	39.442165	-81.908827	PM _{2.5} FRM BGI/colo	Gravimetric	1 in 6 days	Background	Regional	(142) BGI PQ200 VSCC
	,						Ü		Background PM _{2.5} site
20 012 2002	Belmont Co.	20.06962	00.7440	0.10 1: :1	D 1 1EI	C .:	D 1.	NT 1 1 1 1	G': 1 1 6/20/2015
39-013-3002	E. 40 th St. Shadyside Treatment	39.96862	-80.7449	Sulfur dioxide	Pulsed Fluorescence	Continuous	Population	Neighborhood	Site ended 6/30/2015
39-013- 0006	Ballpark Rd.	39.9678	-80.7476	Sulfur dioxide	U.V. Fluorescence	Continuous	General Backgd.	Neighborhood	(100) API 100
	PSD site started July 1, 2015.			PM ₁₀ Lo-Vol/Colo.	Gravimetric	1 in 6 days	General Backgd.	Neighborhood	(125) Partisol 2025i
	,			NO_2	Chemiluminescence	Continuous	General Backgd.	Neighborhood	(099) API 200
				Carbon Monoxide	Infrared	Continuous	General Backgd.	Neighborhood	(093) API 300
				PM _{2.5} FRM Seq.	Gravimetric	1 in 3 days	General Backgd.	Neighborhood	(145) Partisol2025VSCC
				Meteorological	Sonic	Continuous		Neighborhood	(063) Climatronics
	T 00								
20 001 0001	Jefferson Co.	10.06157	00.6225	DM II. 1	0	1: 61	D 1.	NT 1 1 1 1	(0.62) CD IIV 1200
39-081-0001	1004 3 rd St., Brilliant	40.26157	-80.6335	PM ₁₀ Hi-vol	Gravimetric	1 in 6 days	Population	Neighborhood	(063) GMW 1200
39-081-0017	618 Logan St., Steubenville	40.36644	-80.6158	Sulfur dioxide	U.V. Fluorescence	Continuous	Population	Neighborhood	(100) API 100
37 001 0017	oro Bogan St., Steusen inte	10.50011	00.0150	PM ₁₀ Hi- Vol./Colo.	Gravimetric	1 in 6 days	Highest conc.	Neighborhood	(063) GMW 1200
				PM _{2.5} FRM Seq/Colo	Gravimetric	1 in 3 days	Population	Neighborhood	(145) Partisol2025VSCC
				PM _{2.5} BAM	Beta attenuation	Continuous	Population	Neighborhood	(170) MET ONE BAM
				Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(047) Thermo 49
				URG-3000	Carbon speciation	1 in 6 days	SIP information	Neighborhood	(AQI)
				Chemical Speciation	Ion Chromatograph	1 in 6 days	SIP info	Neighborhood	(810) Met One SASS
				VOCs	GC MS	1 in 6 days	Population	Neighborhood	6l-Canister
39-081-0021	110 Steuben St Mingo Junction	39.31951	-81.688	PM _{2.5} FRM BGI	Gravimetric	1 in 3 days	Population	Neighborhood	(142) PQ200 POC 1
									POC 4 ended 7/14/15.
39-081-0018	3487 Cnty Rd. 19, Brilliant	40.272	-80.62962	Sulfur dioxide	Pulsed Fluorescence	Continuous	Source-Oriented	Neighborhood	(060) Thermo 43A
								- Transport	AEP Cardinal Power Plt.
39-081-0019	Landfill Access Rd., Brilliant	40.26786	-80.64986	Wind Speed/Dir.	Sonic	Continuous	Source-Oriented	Neighborhood	AEP Cardinal Power Plt.
39-081-0020	1469 Third St., Brilliant	40.259475	-80.639987	Wind Speed/Dir.	Sonic	Continuous	Source-Oriented		AEP Cardinal Power Plt.
				Sulfur dioxide	Pulsed Fluorescence	Continuous		Neighborhood	(060) Thermo 43A
								-	

AQS ID #	County	Latitude	Longitude	Parameter/	Analysis	Schedule	Monitoring	Spatial	Method Code/
Air Agency	Address			Method			Objective	Scale	Comments
SEDO cont'									
	Meigs Co.								
39-105-0003	117 Memorial Dr., Pomeroy	39.03849	-82.0459	Sulfur dioxide	Pulsed Fluorescence	Continuous	Source-oriented	Neighborhood	(060) Thermo 43C
					Site to discontinued	in 2016 and	relocated.		
	Morgan Co.								
39-115-0004	St. Rt. 83, Hackney	39.63223	-81.67005	Sulfur dioxide	U. V. Fluorescence	Continuous	Population	Neighborhood	(100) API 100
									Musk.River power plant
									shutdown 10/2015
	Washington Co.								
39-167-0004	2000 4 th St. Marietta WTP	39.432117	-81.460443	Ozone	U.V. Photometric	Continuous	Population	Neighborhood	(047) Thermo 49
39-167-0008	SR 676Washington Car. Ctr.	39.43147	-81.50131	TSP-lead/colo/metals	Hi-Vol/ICP MS	I in 6 days	Population	Neighborhood	(108) (192)
West Virginia	Wood County								
54-009-0003	SR 2, Beech Bottom WVA	40.29167	-80.60917	Wind Speed/Dir.	Sonic	Continuous			AEP Cardinal Power Plt
				Sulfur dioxide	Pulsed Fluorescence	Continuous	Source-Oriented	Middle-Scale	(060) Thermo 43A
SWDO	Clinton Co.								
39-027-1002	Laurel Oaks Sch., Wilmington	39.430000	-83.788611	Ozone	U.V. Photometric	Continuous	Highest conc.	Urban	(047) Thermo 49
	Logan Co.								
39-091-0006	320Richard Ave., Bellefontaine	40.341467	-83.7585	TSP-lead-metals	Hi-Vol/ICP MS	1 in 6 days	Population	Neighborhood	Low lead concentrations (108) (192)

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 $PM_{2.5}$ Sequential FRM sites and single-event FRM sites are comparable to the $PM_{2.5}$ NAAQS. No continuous $PM_{2.5}$ monitors are to be comparable to the $PM_{2.5}$ 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. PM_{10} means particulate matter of 10 microns in diameter or smaller. A micron is one millionth of a meter. $PM_{2.5}$ is particulate matter 2.5 millionths of a meter in diameter or smaller. PM_{10} is fine particulate matter and $PM_{2.5}$ 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.

PM_{2.5} Seq. FRM samplers test for PM_{2.5} and can hold multiple samples for <u>Sequential</u> sampling. They are <u>Federal Reference Method</u> (FRM).

Collocated 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 1 in 6 days schedule or possibly at a 1 in 12 days 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 air sample collection in the field followed by analysis by gas chromatograph -mass spectrometer in a laboratory. There are approximately 72 compounds scanned for in the analysis.

TSP – metals is the method of collecting <u>Total Suspended Particulate</u> by drawing an air sample through a filter media that is 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 <u>Inductively Coupled Plasma Emission Spectroscopy</u> 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 $PM_{2.5}$ helps to determine what control measures and plans will best control fine particulates.

Ohio Air Monitoring Agencies

AL D. LACO E. M. D. C.	C'. CT 1 1
Akron Regional Air Quality Management District	City of Toledo
Fairway Center	Division of Environmental Services
1867 W. Market St.	348 South Erie St.
Akron, Ohio 44308	Toledo, Ohio 43604
(330) 375-2480	(419) 936-3015
Medina, Portage, Summit counties	Lucas County
Air Pollution Control Division	Mahoning-Trumbull APC Agency
420 Market Ave. North	Youngstown, Ohio 44502
Canton, Ohio 44702-1544	(330) 743-3333
(330) 489-3385	Mahoning, Trumbull Counties
Stark County	
Dept. of Environmental Services	Regional Air Pollution Control Agency
Southwest Ohio Air Quality Agency	Montgomery County Health Department
250 William Howard Taft Road	117 South Main St., P.O. Box 972
Cincinnati, Ohio 45219-2660	Dayton, Ohio 45422-1280
(513) 946-7777	(937) 225-4435
Hamilton, Butler, Warren, Clermont counties	Montgomery, Preble, Drake, Miami, Clark, Greene
	Air Pollution Control
	33 Mill St.
(216) 664-2297	(440) 350-2543
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Air Pollution Unit	Ohio EPA
Portsmouth City Health Department	Central District Office
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Ohio EPA	Ohio EPA
Canton City Health Department 420 Market Ave. North Canton, Ohio 44702-1544 (330) 489-3385 Stark County Dept. of Environmental Services Southwest Ohio Air Quality Agency 250 William Howard Taft Road Cincinnati, Ohio 45219-2660 (513) 946-7777 Hamilton, Butler, Warren, Clermont counties Cleveland Department of Public Health & Welfare Division of Air Quality 75 Erieview Plaza Cleveland, Ohio 44114 (216) 664-2297 Cuyahoga County Air Pollution Unit Portsmouth City Health Department 605 Washington Street Portsmouth, Ohio 45662 (740) 353-5156 Brown, Adams, Scioto, Lawrence	345 Oak Hill Ave. Youngstown, Ohio 44502 (330) 743-3333 Mahoning, Trumbull Counties 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, Drake, Miami, Clark, Greene Lake County General Health District Air Pollution Control 33 Mill St. Painesville, Ohio 44077 (440) 350-2543 Lake, Geauga counties Ohio EPA Central District Office 50 West Town St. Columbus, Ohio 43215 (614) 728-3778