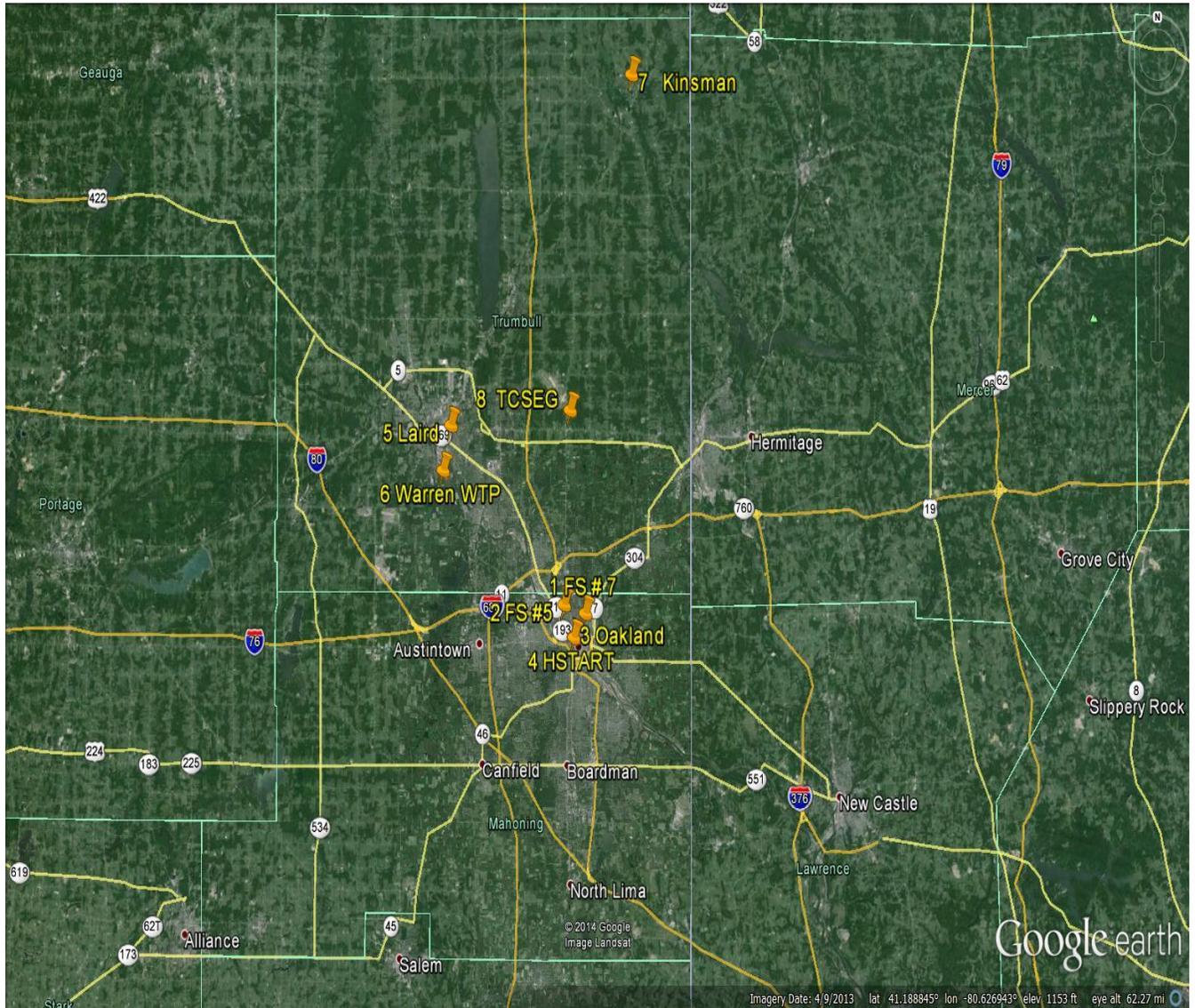


2016 MAHONING-TRUMBULL APC AIR MONITORING SITES



Map/AQS #	Site Name	PM _{2.5}	PM _{2.5} CONT	PM ₁₀	O ₃	SO ₂	CO	NO ₂	TOXICS	PM _{2.5} CSPE	Pb/metals
1. 39-099-0005	FS #7	x*		x							
2. 39-099-0006 ²	FS # 5			x*							
3. 39-099-0013	Oakland				x	x					
4. 39-099-0014	HSTART	x	x								
5. 39-155-0014 ¹	Laird	x	x	x*							
6. 39-155-0006	Warren WTP	x									
7. 39-155-0013	Kinsman				x						
8. 39-155-0011	TCSEG				x						

*collocated monitor

¹ Laird Avenue site was moved to another rooftop on the same property and began sampling Jan. 1, 2016. Formerly was 39-155-0005 which operated until May 31, 2015.

² This site is proposed to be relocated or discontinued possibly in 2016.

Site Name: Fire Station No. 7AQS Site ID: **39-099-0005**

Agency: Mahoning-Trumbull Air Pollution Control Agency

Primary QA Org.: Mahoning-Trumbull Air Pollution Control Agency

MSA: Youngstown-Warren-Boardman

Address: 145 Madison Avenue, Youngstown 44505

Latitude: 41.11111

Longitude: -80.645278

**Site description: This is a SLAMS PM₁₀ and PM_{2.5} ozone monitoring site located on the roof of Youngstown Fire Station No. 7. It is an inner city site located just north of downtown.****Monitoring objective and spatial scale: Monitoring Objective: population exposure; Spatial Scale: neighborhood. Monitoring objective is to determine compliance with the PM_{2.5} and PM₁₀ NAAQS.**

Ambient Air Quality Monitors

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM _{2.5} FRM	<input checked="" type="checkbox"/>	142	1:6	1/1/1999	<input type="checkbox"/>
PM _{2.5} Continuous	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O ₃	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM ₁₀	<input checked="" type="checkbox"/>	063	1:6	12/21/1988	<input type="checkbox"/>
SO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Other	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>

* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

Description of any proposed changes:

Quality Assurance

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

Comments: Collocated PM_{2.5} monitor.

Site Name: Fire Station No. 5AQS Site ID: **39-099-0006**

Agency: Mahoning-Trumbull Air Pollution Control Agency

Primary QA Org.: Mahoning-Trumbull Air Pollution Control Agency

MSA: Youngstown-Warren-Boardman

Address: 1524 Oakland Avenue, Youngstown 44510

Latitude: 41.11667

Longitude: -80.66972



Site description: This is a SLAMS PM₁₀ monitoring site located in a former industrial area. Some remnant of industry remains. It is located northwest of downtown and is part of inner city Youngstown. Location setting is urban and land use is industrial.

Monitoring objective and spatial scale: Monitoring Objective: Population exposure; Spatial Scale: Neighborhood.

Ambient Air Quality Monitors

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM _{2.5} FRM	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Continuous	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O ₃	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM ₁₀	<input checked="" type="checkbox"/>	063	1:6	10/4/1985	<input checked="" type="checkbox"/>
SO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Other	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>

* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

Description of any proposed changes:

Quality Assurance

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

Comments: A collocated PM₁₀ monitor is sited here. This site may be relocated or discontinued sometime in 2016 or 2017.

Site Name: OakhillAQS Site ID: **39-099-0013**

Agency: Mahoning-Trumbull Air Pollution Control Agency

Primary QA Org.: Mahoning-Trumbull Air Pollution Control Agency

MSA: Youngstown-Warren-Boardman

Address: 345 Oakhill Avenue, Youngstown 44502

Latitude: 41.096142

Longitude: -80.658903



Site description: This is a SLAMS SO₂ and Ozone monitoring site located at the property of the Mahoning-Trumbull Air Pollution Control Agency. The site is located just SW of I-680 and downtown Youngstown. The location setting is urban and land use is neighborhood.

Monitoring objective and spatial scale: Monitoring Objective: population exposure; Spatial Scale: Neighborhood. Monitoring objective is also to determine air quality in inner city Youngstown and to determine compliance with the SO₂ and ozone NAAQS.

Ambient Air Quality Monitors

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM _{2.5} FRM	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Continuous	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O ₃	<input checked="" type="checkbox"/>	087	Hourly	1/1/2000	<input type="checkbox"/>
PM ₁₀	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
SO ₂	<input checked="" type="checkbox"/>	061	Hourly	1/1/2000	<input type="checkbox"/>
NO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Other(AQI)	<input checked="" type="checkbox"/>	NA	NA		<input type="checkbox"/>

* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

Description of any proposed changes: .

Quality Assurance

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

Comments:

Site Name: Head StartAQS Site ID: **39-099-0014**

Agency: Mahoning-Trumbull Air Pollution Control Agency

Primary QA Org.: Mahoning-Trumbull Air Pollution Control Agency

MSA: Youngstown-Warren-Boardman

Address: 345 Oakhill Avenue, Youngstown 44502

Latitude: 41.095938

Longitude: -80.6585167



Site description: This is a SLAMS PM_{2.5} site. Both a FRM and hourly PM_{2.5} monitors operate here. The site is located on the roof of Youngstown's Head start building and is just across the entrance road from the MTAPCA offices and Youngstown's site, 39-099-0013. The location setting is urban. Land use is neighborhood.

Monitoring objective and spatial scale: Monitoring Objective: population exposure; Spatial Scale: Neighborhood. Monitoring objective is to determine compliance with the PM_{2.5} NAAQS..

Ambient Air Quality Monitors

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM _{2.5} FRM	<input checked="" type="checkbox"/>	142	1:3	10/5/2002	<input type="checkbox"/>
PM _{2.5} Continuous	<input checked="" type="checkbox"/>	701	Hourly	10/1/2002	<input type="checkbox"/>
PM _{2.5} Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O ₃	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM ₁₀	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
SO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Other(AQI)	<input checked="" type="checkbox"/>	NA	NA		<input type="checkbox"/>

* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

Description of any proposed changes:

Quality Assurance

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

Comments: Two PM_{2.5} BGI PQ200 monitors operate here that sample every six days on alternate scheduled sample days to collect the every three day sample record.

Site Name: Warren WTPAQS Site ID: **39-155-0006**

Agency: Mahoning-Trumbull Air Pollution Control Agency

Primary QA Org.: Mahoning-Trumbull Air Pollution Control Agency

MSA: Youngstown-Warren-Boardman

Address: 2323 Main Street, Warren 44484

Latitude: 41.202237

Longitude: -80.810644



Site description: This is a SLAMS PM₁₀ monitoring site located on the roof of the Warren Water Pollution Control Center just south of Warren. It monitors a coke plant operations located just to the west and southwest. Location setting is rural and land use is industrial.

Monitoring objective and spatial scale: Monitoring Objective: Highest concentration. Spatial Scale: Neighborhood. Monitoring objective is to determine compliance with the PM₁₀ NAAQS.

Ambient Air Quality Monitors

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM _{2.5} FRM	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Continuous	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O ₃	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM ₁₀	<input checked="" type="checkbox"/>	062	1:6	1/1/1991	<input type="checkbox"/>
SO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Other	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>

* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

Description of any proposed changes:

Quality Assurance

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

Comments:

Site Name: TCSEGAQS Site ID: **39-155-0011**

Agency: Mahoning-Trumbull Air Pollution Control Agency

Primary QA Org.: Mahoning-Trumbull Air Pollution Control Agency

MSA: Youngstown-Warren-Boardman

Address: 842 Youngstown-Kingsville Rd., Vienna 44473

Latitude: 41.24047

Longitude: -80.662735



Site description: This is a SLAMS ozone monitoring site located east of Warren and north of Youngstown. The monitor is at the Trumbull County Sanitary Engineers Bldg. It also samples ozone concentrations from other MSAs in NE Ohio and is an Ohio-PA border site. Location setting is rural and land use is residential.

Monitoring objective and spatial scale: Monitoring Objective: Regional transport. Spatial Scale: Urban. Monitoring objective is to determine compliance with the ozone NAAQS. .

Ambient Air Quality Monitors

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM _{2.5} FRM	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Continuous	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O ₃	<input checked="" type="checkbox"/>	087	Hourly	4/1/2002	<input type="checkbox"/>
PM ₁₀	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
SO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Other(AQI)	<input checked="" type="checkbox"/>	NA	NA		<input type="checkbox"/>

* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

Description of any proposed changes:

Quality Assurance

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

Comments:

Site Name: LairdAQS Site ID: **39-155-0014**

Agency: Mahoning-Trumbull Air Pollution Control Agency

Primary QA Org.: Mahoning-Trumbull Air Pollution Control Agency

MSA: Youngstown-Warren-Boardman

Address: 540 Laird Avenue, Warren 44484

Latitude: 41.2317

Longitude: -80.8012



Site description: This is a SLAMS PM_{2.5} and PM₁₀ site located on a roof of the Warren Water Dept. Both a PM_{2.5} FRM and hourly units collect data here. It monitors the downwind transport of PM emissions from a coke plant. Location setting is urban and land use is neighborhood.

Monitoring objective and spatial scale: Monitoring Objective: population exposure; Spatial Scale: middle scale/neighborhood. Monitoring objective is to determine compliance with the PM NAAQS.

Ambient Air Quality Monitors

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM _{2.5} FRM	<input checked="" type="checkbox"/>	142	1:3	1/1/2016	<input type="checkbox"/>
PM _{2.5} Continuous	<input checked="" type="checkbox"/>	701	Hourly	1/1/2016	<input type="checkbox"/>
PM _{2.5} Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O ₃	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM ₁₀	<input checked="" type="checkbox"/>	062	1:6	1/1/2016	<input type="checkbox"/>
SO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Other	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>

* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

Description of any proposed changes:

Quality Assurance

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

Comments: A colocated PM₁₀ sampler is located here. This site replaced the former site, 39-155-0005 located on the same property which was discontinued May, Two PM_{2.5} BGI PQ200 monitors operate here that sample every six days on alternate scheduled sample days to collect the every three day sample record.

Site Name: KinsmanAQS Site ID: **39-155-0013**

Agency: Mahoning-Trumbull Air Pollution Control Agency

Primary QA Org.: Mahoning-Trumbull Air Pollution Control Agency

MSA: monitor not located in a MSA

Address: 6380 Kinsman-Bloomfield Rd., SR 87, Kinsman 44428

Latitude: 41.45465

Longitude: -80.58841



Site description: This is a SLAMS ozone monitoring site located 20 miles northeast of the Warren-Youngstown MSA. The monitor is at the Kinsman township maintenance building. It samples ozone concentrations from the MSAs in NE Ohio and is an Ohio-PA border site. Location setting is rural and land use is agriculture.

Monitoring objective and spatial scale: Monitoring Objective: Highest concentration. Spatial Scale: Urban Monitoring objective is to determine compliance with the ozone NAAQS..

Ambient Air Quality Monitors

Parameter	Currently Operating	Collection Method	Operating Schedule	Monitor Start Date	Proposed Change
PM _{2.5} FRM	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Continuous	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
PM _{2.5} Speciation	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
O ₃	<input checked="" type="checkbox"/>	087	Hourly	4/1/2015	<input type="checkbox"/>
PM ₁₀	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
SO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
NO ₂	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
CO	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Pb	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
TSP	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Metals	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Air Toxics	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Meteorology	<input type="checkbox"/>	NA	NA		<input type="checkbox"/>
Other(AQI)	<input checked="" type="checkbox"/>	NA	NA		<input type="checkbox"/>

* Method codes are from the EPA Air Quality Database (AQS). Further description can be found in the appendix of the network review or at: (<http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>).

Description of any proposed changes:

Quality Assurance

Siting and operation of each monitor meets the requirements of appendices A, C, D, and E of 40 CFR Part 58

Comments: This site, started sampling April, 2015 was formerly located next door (39-155-0009, which began sampling in 1992).