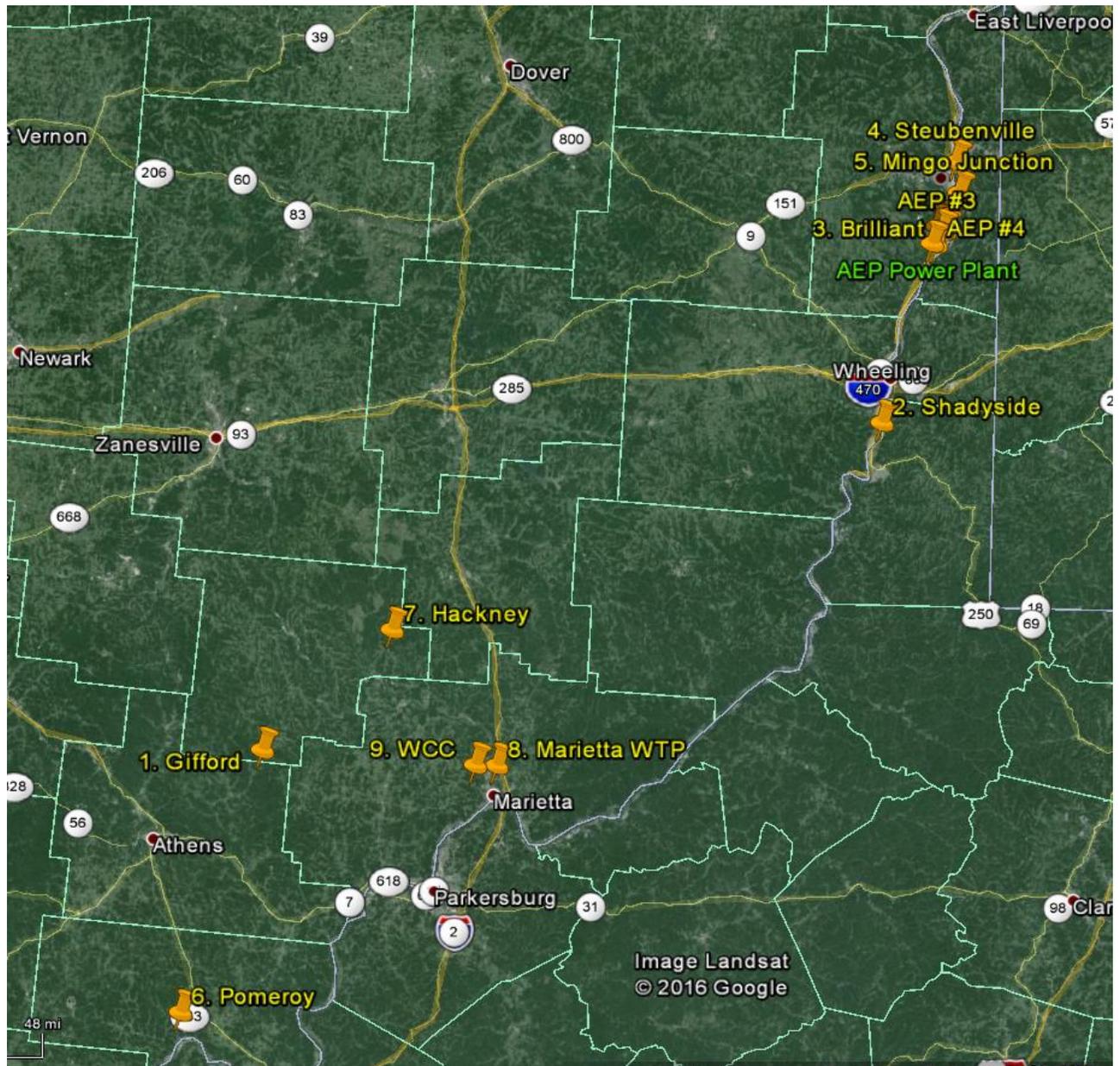


2016 SEDO AIR MONITORING SITES MAP



| Map/AQS # | NAME | PM _{2.5} | PM _{25Cont} | PM ₁₀ | O ₃ | SO ₂ | CO | NO ₂ | PM _{2.5} CSPC | Pb/metals | Met. |
|-----------------|------------------------|-------------------|----------------------|------------------|----------------|-----------------|----|-----------------|------------------------|-----------|------|
| 1. 39-009-0003 | Gifford | x* | | | | | | | | | |
| 2. 39-013-0006 | Shadyside | x | | x* | | x | x | x | | | |
| 3. 39-081-0001 | Brilliant | | | x | | | | | | | |
| 4. 39-081-0017 | Steubenville | x* | x | x* | x | x | | | x | x | |
| 5. 39-081-0021 | Mingo Junction | x | | | | | | | | | |
| 6. 39-105-0003 | Pomeroy | | | | | x | | | | | |
| 7. 39-115-0004 | Hackney | | | | | x | | | | | |
| 8. 39-167-0004 | Marietta | | | | x | | | | | | |
| 9. 39-167-0008 | Wash Co. Career Center | | | | | | | | | x* | |
| 10. 39-081-0018 | AEP #1 Self Storage | | | | | x | | | | | |
| 11. 39-081-0019 | AEP #2 Dam Landfill | | | | | | | | | | x |
| 12. 39-081-0020 | AEP #3 Brilliant | | | | | x | | | | | |
| 13. 54-009-6000 | AEP #4 Trailer Sales | | | | | x | | | | | x |

x* collocated monitor

Site Name: Gifford

AQS Site ID: 39-009-0003

Agency: Ohio EPA, Southeast District Office

Primary QA Org.: Ohio EPA, Southeast District Office

MSA: monitor not located in a MSA

Address: Gifford State Forest, S.R. 377, Athens County 43728

Latitude: 39.442165

Longitude: -81.908827



Site description: This is a SLAMS PM_{2.5} site located in Gifford State Forest in the northeast corner of Athens county. This is a ambient background site for PM_{2.5} in southeastern Ohio . Land use is rural/forest. The nearest road is State Route 377.

Monitoring objective and spatial scale: Monitoring Objective:population exposure; Spatial Scale:Regional. Monitoring objective are to determine what are typical PM_{2.5} background concentrations and compliance with the 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 | 1/3/1999 | <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 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"/> |
| NCORE | <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 PM_{2.5} monitor began sampling February 2014.

Site Name: ShadysideAQS Site ID: **39-013-0006**

Agency: Ohio EPA, Southeast District Office

Primary QA Org.: Ohio EPA, Southeast District Office

MSA: Steubenville-Weirton

Address: 2 Ball Park Rd., Shadyside 43947

Latitude: 39.9678

Longitude: -80.7464



Site description: This is a PSD monitoring site located along the Ohio River with the purpose to established pre-construction air quality for a cracker facility nearby. Land use is considered industrial blighted/rural. The nearest road is State Route 7.

Monitoring objective and spatial scale: Monitoring Objective:Background Concentrations; Spatial Scale:neighborhood. To determine pre-construction air quality.

Ambient Air Quality Monitors

| Parameter | Currently Operating | Collection Method | Operating Schedule | Monitor Start Date | Proposed Change |
|------------------------------|-------------------------------------|-------------------|--------------------|--------------------|--------------------------|
| PM _{2.5} FRM | <input checked="" type="checkbox"/> | 145 | 1:3 | 7/1/2015 | <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 Local | <input checked="" type="checkbox"/> | 125 | 1:6 | 7/1/2015 | <input type="checkbox"/> |
| SO ₂ | <input checked="" type="checkbox"/> | 100 | Hourly | 7/1/2015 | <input type="checkbox"/> |
| NO ₂ | <input checked="" type="checkbox"/> | 099 | Hourly | 7/1/2015 | <input type="checkbox"/> |
| CO | <input checked="" type="checkbox"/> | 093 | Hourly | 7/1/2015 | <input type="checkbox"/> |
| Pb | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| TSP | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| NCORE | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Air Toxics | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Meteorology | <input checked="" type="checkbox"/> | 063 | Hourly | 7/1/2015 | <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: A collocated PM₁₀ monitor is located here for QA purposes.

Site Name: BrilliantAQS Site ID: **39-081-0001**

Agency: Ohio EPA, Southeast District Office

Primary QA Org.: Ohio EPA, Southeast District Office

MSA: Steubenville-Weirton

Address: 1004 Third St., Brilliant 43913

Latitude: 40.26157

Longitude: -80.6335



Site description: This is a SLAMS PM₁₀ site located on the roof of the Buckeye North Middle School. This site monitors the Cardinal Power Plant emissions located several miles south of the school. The location setting and land use are suburban/residential. Ohio S.R. 7 with approximately 12,000 ADT is located approximately 30 meters east of the sampler.

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 | 1/2/1978 | <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"/> |
| NCORE | <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: SteubenvilleAQS Site ID: **39-081-0017**

Agency: Ohio EPA, Southeast District Office

Primary QA Org.: Ohio EPA, Southeast District Office

MSA: Steubenville-Weirton

Address: 618 Logan Street, Steubenville 43952

Latitude: 40.36644

Longitude: -80.61581



Site description: This is a SLAMS site located in downtown Steubenville in the parking lot of the city's newspaper company. Besides monitoring many criteria pollutants, air toxics are sampled every 6 days as well as PM_{2.5} speciation. The monitoring instruments are located in and atop a large monitoring trailer. Location setting is urban and center city and land use is commercial.

Monitoring objective and spatial scale: Monitoring Objective: population exposure; Spatial Scale: neighborhood. Monitoring objective is to determine compliance with the National Ambient Air Quality Standards (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"/> | 145 | 1:3 | 1/3/1999 | <input type="checkbox"/> |
| PM _{2.5} Continuous | <input checked="" type="checkbox"/> | 170 | Hourly | 4/12/2004 | <input type="checkbox"/> |
| PM _{2.5} Speciation | <input checked="" type="checkbox"/> | SASS | 1:6 | 12/1/2013 | <input type="checkbox"/> |
| O ₃ | <input checked="" type="checkbox"/> | 047 | Hourly | 4/1/2004 | <input type="checkbox"/> |
| PM ₁₀ | <input checked="" type="checkbox"/> | 063 | 1:6 | 11/1/2003 | <input type="checkbox"/> |
| SO ₂ | <input checked="" type="checkbox"/> | 100 | Hourly | 11/1/2003 | <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"/> |
| AQI | <input checked="" type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Air Toxics | <input checked="" type="checkbox"/> | Canister | 1:6 | 7/26/2004 | <input type="checkbox"/> |
| Meteorology | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Other | <input checked="" type="checkbox"/> | URG | | | <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 second PM₁₀ and PM_{2.5} monitors are collocated here for quality assurance purposes.

Site Name: Mingo Junction

AQS Site ID: **39-081-0021**
Agency: Ohio EPA, Southeast District Office
Primary QA Org.: Ohio EPA, Southeast District Office
MSA: Steubenville-Weirton
Address: 110 Steuben St., Mingo Junction
Latitude: 40.31951
Longitude: -80.60795



Site description: This is a SLAMS PM_{2.5} located on the grounds of Indian Creek Jr. High School in Mingo Junction. This site replaced the former Mingo Junction Fire Station site (39-081-1001) that was located 0.2 miles to the northwest. That site monitored a Wheeling-Pittsburgh Steel Mill across the street that has since closed. The location setting and land use is blighted, center city.

Monitoring objective and spatial scale: Monitoring Objective: population exposure; Spatial Scale: neighborhood. Monitoring objective are to determine compliance with the 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 | 1/3/1999 | <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 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"/> |
| NCORE | <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: Two PM_{2.5} BGI PQ200 monitors operate here that sample every six days on alternate scheduled sample days to collected the primary data record for the site.

Quality Assurance

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

Comments: The sampling start dates are from the former Mingo Junction site location. The former location was 300 meters to the NE.

Site Name: Pomeroy

AQS Site ID: 39-105-0003

Agency: Ohio EPA, Southeast District Office

Primary QA Org.: Ohio EPA, Southeast District Office

MSA: monitor not located in a MSA

Address: 117 Memorial Drive, Pomeroy 45769

Latitude: 39.03849

Longitude: -82.0459



Site description: This SLAMS SO₂ site was relocated from the Meigs County Veterans Hospital. The new location is next door on the roof of the Meigs County Administration building. This site monitors emissions from a major power plant to the south along the Ohio river. The location setting and land use are suburban and residential.

Monitoring objective and spatial scale: Monitoring Objective: population exposure; Spatial Scale: neighborhood. Monitoring objective are to determine compliance with the SO₂ 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 type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| SO ₂ | <input checked="" type="checkbox"/> | 060 | Hourly | 4/26/1976 | <input checked="" 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"/> |
| NCORE | <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: This site is being relocated to a location as close as possible this summer, 2016. Meigs County has plans to tear down this administration building.

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: HackneyAQS Site ID: **39-115-0004**

Agency: Ohio EPA, Southeast District Office

Primary QA Org.: Ohio EPA, Southeast District Office

MSA: monitor not located in a MSA

Address: 2535 State Route 83, Beverly, Ohio 45715

Latitude: 39.6323

Longitude: -81.67005



Site description: This is a SLAMS SO₂ site located in a monitoring trailer. This site monitored the Muskingum Power Plant located several miles to the south. The power plant ceased operations in 2015. The location setting and land use are rural and agriculture.

Monitoring objective and spatial scale: Monitoring Objective: population exposure; Spatial Scale: neighborhood Monitoring objective are to determine compliance with the SO₂ 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 type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| SO ₂ | <input checked="" type="checkbox"/> | 100 | Hourly | 1/12/2006 | <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"/> |
| NCORE | <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: MariettaAQS Site ID: **39-167-0004**

Agency: Ohio EPA, Southeast District Office

Primary QA Org.: Ohio EPA, Southeast District Office

MSA: Parkersburg-Marietta-Vienna

Address: 2000 4th Street., Marietta 45750

Latitude: 39.432117

Longitude: -81.460443



Site description: This is a SLAMS ozone site located on a roof of the Marietta Water Treatment plant. The location setting is urban and center city. Land use is industrial.

Monitoring objective and spatial scale: Monitoring Objective: population exposure; Spatial Scale: Urban. Monitoring objective are 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"/> | 047 | Hourly | 6/5/1990 | <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"/> |
| NCORE | <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: Washington Career CenterAQS Site ID: **39-167-0008**

Agency: Ohio EPA, Southeast District Office

Primary QA Org.: Ohio EPA, Southeast District Office

MSA: Parkersburg-Marietta-Vienna

Address: S.R. 676 Warren Township, Washington Cty. 45750

Latitude: 39.43147

Longitude: -81.5013



Site description: This is a SLAMS metals and lead located on a roof of the Washington Career Center 3 miles northwest of Marietta. The location setting is suburban. Land use is residential.

Monitoring objective and spatial scale: Monitoring Objective: population exposure; Spatial Scale: Urban. Monitoring objectives are to determine compliance with the lead NAAQS and to quantify metals concentrations.

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 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/Metals | <input checked="" type="checkbox"/> | 192 | 1:6 | 6/1/1999 | <input type="checkbox"/> |
| TSP | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| NCORE | <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"/> |

* 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: This site was collocated with a Pb/metals monitor in July 2014.

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: AEP, Site No. 1AQS Site ID: **39-081-0018**

Agency: Shell Engineering & Associates, MO

Primary QA Org.: Shell Engineering & Associates, MO

MSA: Weirton-Steubenville MSA

Address: 3487 County Road 19, Brilliant 43913

Latitude: 40.272

Longitude: -80.6296



Site description: This is a state permit required air monitoring station located approximately 2.5 miles NE of AEP's Cardinal Power Plant on Ohio River just south of the town of Brilliant. The site is classified as industrial and operated and maintained by Shell Engineering & Associates. The location setting is rural. Land use is residential.

Monitoring objective and spatial scale: Monitoring Objective:source oriented; Spatial Scale: neighborhood. Monitoring objectives are to determine compliance with the SO₂ 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 type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| SO ₂ | <input checked="" type="checkbox"/> | 060 | Hourly | 1/1/2011 | <input type="checkbox"/> |
| NO ₂ | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| CO | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Pb/Metals | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| TSP | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| NCORE | <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"/> |

* 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: AEP, Dam Site No. 2

AQS Site ID: 39-081-0019
Agency: Shell Engineering & Associates, MO
Primary QA Org.: Shell Engineering & Associates, MO
MSA: Weirton-Steubenville MSA
Address: Landfill Access Rd. Brilliant 43913
Latitude: 40.2679
Longitude: -80.6500



Site description: This is a 30 foot meteorological tower situated on an access leading to a landfill that is 0.75 miles NW of the town of Brilliant. The site is located approximately 1.8 miles north of AEP's Cardinal Power Plant on Ohio River. The site is operated and maintained by Shell Engineering & Associates. A number of weather variables are measured here and this site is one of three sites that collects meteorological data in the AEP's Cardinal Power Plant SO₂ network. The location setting is rural. Land use is industrial.

Monitoring objective and spatial scale: Monitoring Objective: source oriented; 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 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/Metals | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| TSP | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| NCORE | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Air Toxics | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Meteorology | <input checked="" type="checkbox"/> | 050 | Hourly | 1/1/2011 | <input type="checkbox"/> |
| Other | | | | | <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: AEP, Self Storage Site No. 3

AQS Site ID: 39-081-0020
Agency: Shell Engineering & Associates, MO
Primary QA Org.: Shell Engineering & Associates, MO
MSA: Weirton-Steubenville MSA
Address: 1469 Third St., Brilliant 43913
Latitude: 40.2595
Longitude: -80.6400



Site description: This is a state permit required SO₂ air monitoring station located in Brilliant, Ohio. The site is located approximately 1.5 miles NE of AEP's Cardinal Power Plant on Ohio River. The site is classified as industrial and operated and maintained by Shell Engineering & Associates. A meteorological station is located here and collects data for a number of weather parameters. The location setting is center city. Land use is residential.

Monitoring objective and spatial scale: Monitoring Objective:source oriented; Spatial Scale: neighborhood. Monitoring objectives are to determine compliance with the SO₂ 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 type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| SO ₂ | <input checked="" type="checkbox"/> | 060 | Hourly | 1/1/2011 | <input type="checkbox"/> |
| NO ₂ | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| CO | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Pb/Metals | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| TSP | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| NCORE | <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"/> |

* 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: AEP, Trailer Sales, Site No. 3AQS Site ID: **54-009-6000**

Agency: Shell Engineering & Associates, MO

Primary QA Org.: Shell Engineering & Associates, MO

MSA: Weirton-Steubenville MSA

Address: State Route 2, Box 27A, Beech Bottom, WV 26030

Latitude: 40.2595

Longitude: -80.6400



Site description: This is a state permit required SO₂ air monitoring station located in West Virginia directly across the Ohio river from AEP's Cardinal Power Plant. The site is classified as industrial and operated and maintained by Shell Engineering & Associates. A meteorological station is located here and collects data for a number of weather parameters. The location setting is suburban. Land use is residential.

Monitoring objective and spatial scale: Monitoring Objective: Source oriented; Spatial Scale: neighborhood. Monitoring objectives are to determine compliance with the SO₂ 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 type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| SO ₂ | <input checked="" type="checkbox"/> | 060 | Hourly | 1/1/2011 | <input type="checkbox"/> |
| NO ₂ | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| CO | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Pb/Metals | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| TSP | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| NCORE | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Air Toxics | <input type="checkbox"/> | NA | NA | | <input type="checkbox"/> |
| Meteorology | <input checked="" type="checkbox"/> | 050 | Hourly | 1/1/2011 | <input type="checkbox"/> |
| Other | | | | | <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: