AMBIENT AIR MONITORING NETWORK PLAN
2016

Regional Air Pollution Control Agency
117 South Main Street
Dayton, OH 45422

RAPCA'S ANNUAL AMBIENT AIR MONITORING NETWORK PLAN
Public Review Draft 2016

The Regional Air Pollution Control Agency is committed to operating a quality-assured monitoring network that generates accurate measurements of ambient air quality in its jurisdiction. These monitoring data are used to measure progress toward attainment of EPA's National Ambient Air Quality Standards (NAAQS), assess source contributions to air pollution, and assist in the protection of public health. Please note that all data generated by RAPCA's ambient air quality monitoring network are public information, and are available by request from RAPCA, by visiting www.rapca.org or by visiting https://www3.epa.gov/airdata/. Monitoring data are quality-assured and submitted to U.S. EPA's AQS database in a timely fashion.

There are 32 ambient air quality monitors at 11 sites distributed over five counties in RAPCA's six-county jurisdiction. See Figure 1 and Table 1. Monitoring sites are selected based on a number of factors including computer modeling of atmospheric chemistry and air dispersion, population, access to power, historical trends, security, and public interest. Six air pollutants (carbon monoxide, ozone, particulate matter, lead, nitrogen oxides, and sulfur dioxide) are measured at the sites described below.

Figure 1. RAPCA Criteria Air Pollutant Monitoring Locations

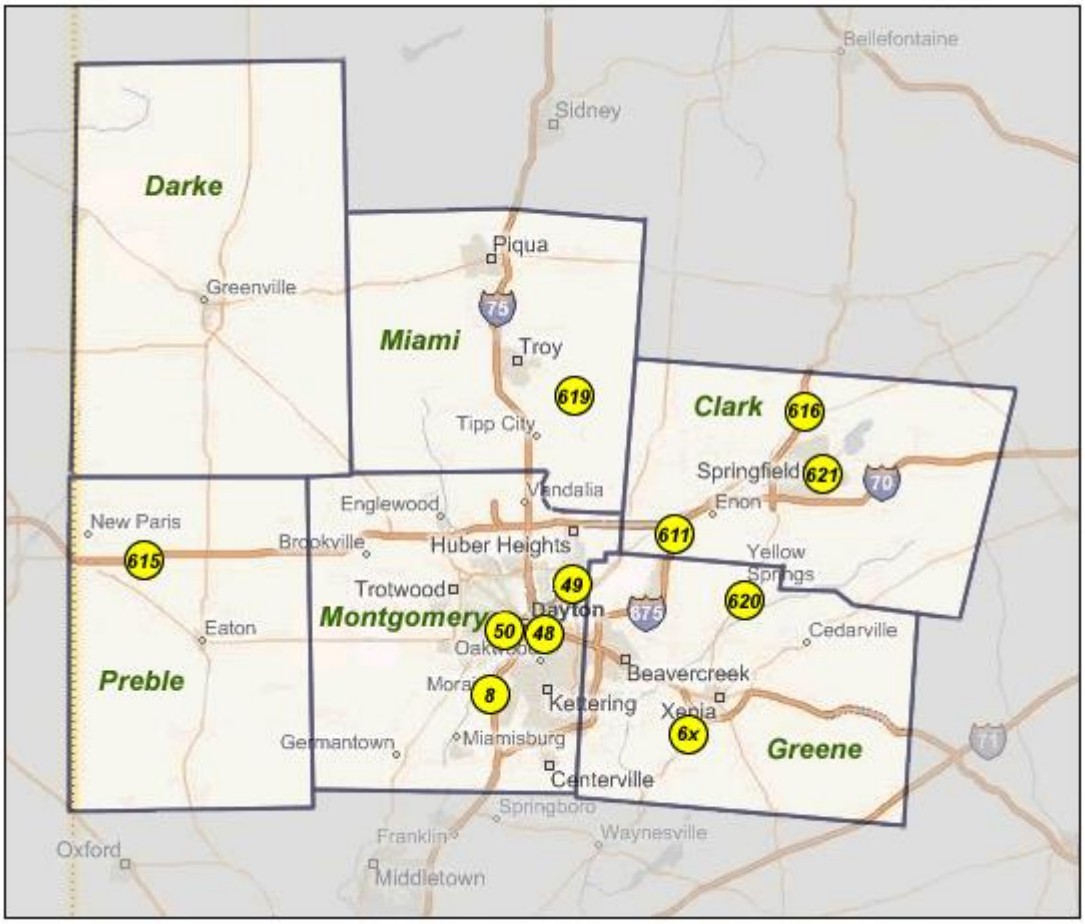

Table 1. Latitude/Longitude for RAPCA's Monitoring Sites

Site number	Site name	Latitude	Longitude	AQS ID	Pollutant(s)
8	Moraine	39.714167	-84.218056	39-113-7001	PM_{10} & lead
48	Reibold	39.757837	-84.191668	39-113-0034	CO
49	Eastwood	39.785034	-84.134402	39-113-0037	Ozone
50	Sinclair	39.755969	-84.198674	39-113-0038	$PM_{2.5}$
611	Mud Run	39.855556	-83.997500	39-023-0003	Ozone & SO_2
615	National Trails	39.835556	-84.720833	39-135-1001	Ozone, $PM_{2.5}$, NCore
616	Springfield	40.000833	-83.804444	39-023-0001	Ozone
619	Miami East	40.084722	-84.114722	39-109-0005	Ozone
620	Yellow Springs	39.808056	-83.886944	39-057-0005	$PM_{2.5}$ & PM_{10}
621	Springfield FD	39.928889	-83.809722	39-023-0005	$PM_{2.5}$
6X	Xenia	39.665556	-83.943333	39-057-0006	Ozone

Site 615 in Preble County is an NCore site. It began operation under that program on January 1, 2011, but has monitored for ozone since the 1970's. The NCore site integrates several advanced measurement systems for particles, pollutant gases and meteorology. $PM_{2.5}$, PM_{10}, $PM_{10-2.5}$, ozone, carbon monoxide, nitrogen oxides, sulfur dioxide, and meteorological parameters such as wind speed, wind direction, temperature, relative humidity, barometric pressure and solar radiation are all measured at Site 615. The national NCore network is intended to provide:

- Timely reporting of data to public by supporting AIRNow, air quality forecasting, and other public reporting mechanisms;
- Support for development of emission strategies through air quality model evaluation and other observational methods;
- Accountability of emission strategy progress through tracking long-term trends of criteria and non-criteria pollutants and their precursors;
- Support for long-term health assessments that contribute to ongoing reviews of the NAAQS;
- Compliance through establishing nonattainment/attainment areas through comparison with the NAAQS;
- Support to scientific studies ranging across technological, health, and atmospheric process disciplines; and
- Support to ecosystem assessments recognizing that national air quality networks benefit ecosystem assessments and, in turn, benefit from data specifically designed to address ecosystem analyses.

MONITORING NETWORK CHANGES

Final revisions to Ambient Monitoring Quality Assurance and Other Requirements (Monitoring Rule) were published in the Federal Register on March 28, 2016 (81 FR 17247). These revisions and other ambient air monitoring requirements are found in 40 CFR Part 58. Specific elements of the final rule and their potential impact on the RAPCA monitoring network are discussed in this section, which has been moved from the back of this Network Plan to the front to emphasize these changes.

Lead monitoring

The Monitoring Rule contains a provision for cessation of Lead (Pb) monitoring at NCore sites, provided sufficient data demonstrating low levels of ambient Lead has been collected. RAPCA has fulfilled the NCore Pb monitoring requirement at the alternate monitoring site 39-113-7001 (Moraine Site 8). The NCore site is operated by RAPCA at 39-135-1001 (National Trails Site 615). However, RAPCA received Regional Administrator approval for Lead monitoring at the alternate site, and then monitored for Lead in TSP (14129) at that site since late 2011. While we have much more than 3 years of data showing Design Values less than 7% of the NAAQS, as shown in the following AMP480 reports, we will continue monitoring for lead at Moraine through 2016, and plan to cease Lead monitoring there after the December 26th, 2016 run, pending approval.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Apr. 28, 2016

Pollutant: Lead (TSP) LC(14129)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: Lead 3-Month 2009
Statistic: 3-Month Rolling Average Level: .15

Design Value Year: 2014
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.
State Name: Ohio

		2014					2013					2012					3-Year		
Site ID	STREET ADDRESS	Max Value	Maximum Month	Param	Cert& Eval	Total Valid Months	Max Value	Maximum Month	Param	Cert& Eval	Total Valid Months	Max Value	Max Month	Param	Cert& Eval	Total Valid Months	DV and Valid	Max Mon/Yr	Total Valid Months
39-113-7001	2728 VIKING LANE	.01	OCT	14129	S	12	.01	JAN	14129		12	.01	JAN	14129	Y	12	.01 Y	OCT 2014	36

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Apr. 28, 2016

Pollutant: Lead (TSP) LC(14129)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: Lead 3-Month 2009
Statistic: 3-Month Rolling Average Level: .15

Design Value Year: 2015
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.
State Name: Ohio

		2015					2014					2013					3-Year		
Site ID	STREET ADDRESS	Max Value	Maximum Month	Param	Cert& Eval	Total Valid Months	Max Value	Maximum Month	Param	Cert& Eval	Total Valid Months	Max Value	Max Month	Param	Cert& Eval	Total Valid Months	DV and Valid	Max Mon/Yr	Total Valid Months
39-113-7001	2728 VIKING LANE	.01	AUG	14129		8	.01	OCT	14129	S	12	.01	JAN	14129		12	.01 N	AUG 2015	32

PM2.5 filter run temperature and pressure data

Another provision of the Monitoring Rule relieves the requirement to submit filter run average temperature (68105) and filter run average pressure (68108) data to AQS. This commences on the rule effective date of April 27, 2016. RAPCA will adhere to this by not submitting these data along with the PM2.5 concentration data to AQS starting with the May data submittal. However, RAPCA will continue to record, QA, and retain these data in a local database.

PM and Lead Flow Rate Verifications
The Monitoring Rule requires submitting Flow Rate Verifications along with other QA data for all PM parameters. RAPCA already complies with this requirement.

Note there are other changes in the Monitoring Rule that will affect RAPCA monitoring activities, such as lower 1-point QC check concentration ranges and PQAO responsibilities, but they are not discussed as part of this network plan.

2015 Ozone NAAQS
The Ozone NAAQS was promulgated October 2015 and tightened the ozone standard to 0.070 ppmv 8-hr average. The new NAAQS also extends the ozone monitoring season for RAPCA jurisdiction to March 1st through October 31st. Currently ozone monitoring season is April 1st through October 31st (NCore ozone is monitored year-round). The extended ozone season will commence at RAPCA's five seasonal ozone sites on March 1st, 2017.

Near-road monitoring
The Dayton CBSA is a Phase 3 area under the 1-hour NAAQS for NO_2. On May 5, 2016 the U.S. EPA proposed to remove the requirement for near-road NO_2 monitoring stations in these Phase 3 areas. This proposal is based on NO_2 data from larger CBSAs being well below the NAAQS for NO_2. Heretofore, we were required to site and operate a near-road NO_2 monitor, along a high AADT road segment in our jurisdiction. In response to this proposal, we are suspending our near-road NO_2 site selection process.

As always, it remains our strategy to evaluate our monitoring network needs as new or tighter NAAQS are proposed. The following sections describe our current monitoring network by criteria pollutant.

CO MONITORING SITES

The NAAQS for carbon monoxide (CO) is 9 ppmv for an 8-hour average and 35 ppmv for a one-hour average. We are in attainment of the air quality standard for this air pollutant.

Site 48 **39-113-0034 REIBOLD BUILDING** located at 117 South Main Street in downtown Dayton. At this site we monitor CO to measure the anticipated highest concentration in our jurisdiction. We have monitored at this location since 2004 (replacing the Centre City Building site 39-113-0003), and currently use a Thermo 48i analyzer. Our plan for this site involves no changes at this time.

Site 615 **39-135-1001 NATIONAL TRAIL HIGH SCHOOL** located at 6940 Oxford Gettysburg Road, New Paris in Preble County. We have monitored CO at this location since 2011. This is a NCore requirement and we currently use a Thermo 48i TLE analyzer. Our plan for this site involves no changes at this time.

OZONE MONITORING SITES

The NAAQS for ozone (O_3) is 0.070 ppm for an eight-hour average (2015 standard). The AMP480 Design Value report for 2013 – 2015 shows that we are currently meeting the 2015 standard. The new standard also extends the ozone monitoring season to March 1st through October 31st. This extended season begins in 2017.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Apr. 28, 2016

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-Hour 2008
Statistic: Annual 4th Maximum Level: .075

Design Value Year: 2015
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.
State: Ohio

			2015				2014				2013				3 - Year		
Site ID	Poc	STREET ADDRESS	Valid Days	Percent Complete	4th Max	Cert& Eval	Valid Days	Percent Complete	4th Max	Cert& Eval	Valid Days	Percent Complete	4th Max	Cert& Eval	Percent Complete	Design Value	D. V. Validity
39-023-0001	1	5171 URBANA	214	100	.071		214	100	.065	Y	213	100	.071		100	.069	Y
39-023-0003	1	5400 SPANGLER	214	100	.069		214	100	.064	Y	211	99	.067		100	.066	Y
39-057-0006	1	541 LEDBETTER RD.,	214	100	.071		214	100	.066	Y	212	99	.066		100	.067	Y
39-109-0005	1	3825 NORTH S. R. 589	213	100	.068		214	100	.066	Y	214	100	.070		100	.068	Y
39-113-0037	1	1401 Harshman Road	214	100	.070		213	100	.069	Y	207	97	.069		99	.069	Y
39-135-1001	1	6940 OXFORD GETTYSBURG RD.	214	100	.067		214	100	.065	Y	207	97	.067		99	.066	Y

Ozone is currently the RAPCA area's most challenging ambient air pollutant, and we may have difficulty achieving the new air quality standard. We forecast ozone levels, and if necessary, issue air pollution advisories to the public these via AirNow and EnviroFlash and our website and the Miami Valley Regional Planning Commission. Hourly ozone data and corresponding AQI are available on the RAPCA website during ozone season (www.rapca.org).

Site 616 **39-023-0001 SPRINGFIELD** located at 5171 Urbana Road, Springfield in Clark County downwind of Dayton and just north of Springfield. At this site we monitor ozone to measure the anticipated highest concentration in our jurisdiction. We have monitored at this location since 1977, and currently use a Thermo 49i analyzer. Our plan for this site involves no changes at this time.

Site 611 **39-023-0003 MUD RUN** located at 5400 Spangler Road, Enon in Clark County downwind of Dayton and just northeast of Fairborn. At this site we monitor ozone to measure the anticipated highest concentration in our jurisdiction. We have monitored at this location since 1985, and currently use a Thermo 49i analyzer. Our plan for this site involves no changes at this time. Note that we also monitor SO_2 at this site.

Site 6X **39-057-000 XENIA GOVERNMENT CENTER** located at 541 Ledbetter Road, Xenia in Greene County due east of Dayton. At this site we monitor ozone to measure the anticipated highest concentration in our jurisdiction. We have monitored at this location since 1997, and currently use a Thermo 49i analyzer. Our plan for this site involves no changes at this time.

Site 619 **39-109-0005 MIAMI EAST HIGH SCHOOL** located at 3825 North State Route 589, Casstown in Miami County north and east of Dayton. At this site we monitor ozone to measure the anticipated highest concentration in our jurisdiction. We have monitored at this location since 1993, and currently use a Thermo 49i analyzer. Our plan for this site involves no changes at this time.

Site 49 **39-113-0037 EASTWOOD METROPARK** located at 1401 Harshman Road. The Eastwood MetroPark site is located northeast of Dayton in Montgomery County. At this site we monitor ozone to assess population exposure to the pollutant. We have monitored at this location since May 2008, and currently use a Thermo 49i analyzer. Our plan for this site involves no changes at this time.

Site 615 **39-135-1001 NATIONAL TRAIL HIGH SCHOOL** located at 6940 Oxford Gettysburg Road, New Paris in Preble County. At this site we monitor ozone to assess upwind background concentrations of the pollutant. We have monitored at this location since 1976, and currently use a Thermo 49i analyzer. Due to NCore requirements, we now monitor ozone year-round at this location. Note that we also monitor $PM_{2.5}$ at this site. We have established an NCore site at National Trail High School. Beginning in 2011, we have monitored for the following additional pollutants: SO_2 (trace), CO (trace), and NO_y (trace), PM2.5 speciation, $PM_{10\text{-}2.5}$, and the meteorological parameters wind speed, wind direction, relative humidity, ambient temperature, solar radiation, and barometric pressure. Our plan for this site involves no changes at this time.

PM_{10} MONITORING SITES

The NAAQS for particulate matter - 10 microns or less (PM_{10}) is 150 ug/m^3 for a 24-hour average. We are in attainment of the air quality standard for this air pollutant. PM_{10} is measured using a gravimetric filter-based technique, and generates 24-hour average PM_{10} concentration data on a 1 in 6 day schedule. Due to the nature of the method, these data are not available in real-time mode.

Site 8 **39-113-7001 MORAINE FIREHOUSE** located at 2738 Viking Lane, Moraine in Montgomery County. At this site we monitor PM_{10} to measure the anticipated highest concentration in our jurisdiction. We have monitored at this location since 1984, and currently use an Andersen Instruments model 1200 high volume sampler, collocated with a second PM_{10} sampler for precision evaluation. We installed two total suspended particulate (TSP) monitors to measure lead concentrations in ambient air at this location for comparison to the new NAAQS for lead (0.15 ug/m^3). These monitors have been operational since late 2011.

Site 615 **39-135-1001 NATIONAL TRAIL HIGH SCHOOL** located at 6940 Oxford Gettysburg Road, New Paris in Preble County. This is a NCore requirement and we use a Thermo 2025 Partisol sampler on a 1-in-3 day schedule. This is a PM_{10}-LC sampler which is also used to calculate the difference channel ($PM_{10\text{-}2.5}$ or PMcoarse). In

addition it is collocated with a second PM_{10}-LC sampler for precision evaluation. Our plan for this site involves no changes at this time.

Site 620 39-057-0005 YELLOW SPRINGS GOVERNMENT OFFICES located at 100 Dayton Street, Yellow Springs in Greene County. At this site we monitor PM_{10} to assess population exposure to the pollutant. We have monitored at this location since 1997, and currently use a Wedding & Associates model 600 high volume sampler. Our plan for this site involves no changes at this time. Note that we also monitor $PM_{2.5}$ at this site.

$PM_{2.5}$ MONITORING SITES

The NAAQS for particulate matter – 2.5 microns or less ($PM_{2.5}$) is 12.0 ug/m^3 annual arithmetic mean and 35 ug/m^3 for a 24-hour average. We are designated attainment of the air quality standard for this air pollutant. In RAPCA jurisdiction, $PM_{2.5}$ is measured using two different techniques. The gravimetric filter-based technique generates 24-hour average $PM_{2.5}$ concentration data on a 1 in 3 day schedule. Due to the nature of the method, these data are not available in real-time mode.

The second technique is based on the principle of beta particle attenuation by $PM_{2.5}$ deposited on a tape (Synchronized Hybrid Ambient Real-time Particulate, or Thermo SHARP model 5030). A carbon-14 source emits beta particles which are absorbed by the particulate matter deposited on the tape. More absorption corresponds to higher $PM_{2.5}$ concentrations. This method generates 1-hour average $PM_{2.5}$ measurements in real-time mode. We forecast $PM_{2.5}$ levels, and if necessary, issue air pollution advisories to the public these via AirNow and EnviroFlash and our website and the Miami Valley Regional Planning Commission. Hourly $PM_{2.5}$ data and corresponding AQI are collected year-round and are available on the RAPCA website (www.rapca.org).

Site 50 39-113-0038 SINCLAIR COMMUNITY COLLEGE is our new PM2.5 site in downtown Dayton located on the roof of Building 17 located at 444 West Third Street, Dayton in Montgomery County. At this site we monitor $PM_{2.5}$ to measure the anticipated highest concentration in our jurisdiction. We have measured $PM_{2.5}$ at this site since 2014. This site is a replacement of the downtown Dayton Metro Library (Site 46, AQS 39-113-0036) which was in operation since 2001. We operate a 1 in 3 day Thermo 2025 Partisol sampler collocated with a 1 in 6 day Thermo 2025 Partisol sampler for precision evaluation. We operate a continuous SHARP $PM_{2.5}$ unit at this site as well. We also operate a Met One SASS for speciated $PM_{2.5}$. Analytes for speciated $PM_{2.5}$ include nitrate, sulfate, ammonium, organic carbon, elemental carbon, and a wide array of trace elements. In addition to the Met One unit we operate a URG 3000N $PM_{2.5}$ carbon speciation sampler. This site is also home to our pollen and mold sampler.

Due to the construction at the downtown Dayton Metro Library (Site 46), we began operation at Sinclair Site 50 on October 1, 2014.

Site 621 39-023-0005 SPRINGFIELD FIREHOUSE located at 350 North Fountain Avenue, Springfield in Clark County. At this site we monitor $PM_{2.5}$ to assess population exposure to the pollutant. We have measured $PM_{2.5}$ at this site since 2000. We currently operate two 1 in 3 day BGI FRM samplers and a continuous SHARP. Our plan for this site involves no changes at this time.

Site 620 39-057-0005 YELLOW SPRINGS GOVERNMENT OFFICES located at 100 Dayton Street, Yellow Springs in Greene County. At this site we monitor $PM_{2.5}$ to assess population exposure to the pollutant. We have measured $PM_{2.5}$ at this site since 2003. We operate two 1 in 3 day BGI FRM samplers as well as a third 1 in 6 day BGI FRM sampler for precision evaluation and a continuous SHARP. Note that we also monitor PM_{10} at this site.

Site 615 39-135-1001 NATIONAL TRAIL HIGH SCHOOL located at 6940 Oxford Gettysburg Road, New Paris in Preble County. At this upwind background site we monitor $PM_{2.5}$ to assess regional transport of the pollutant. We have measured $PM_{2.5}$ at this site since 2000. We currently operate a 1 in 3 day Thermo 2025 Partisol sampler and a continuous SHARP. We operate a Met One SASS for speciated $PM_{2.5}$. Analytes for speciated $PM_{2.5}$ include nitrate, sulfate, ammonium, organic carbon, elemental carbon, and a wide array of trace elements. In addition to the Met One unit we operate a URG 3000N $PM_{2.5}$ carbon speciation sampler. The PM2.5 speciation samplers at this site run on a 1 in 3 day schedule (twice as frequent as the Sinclair speciation site). Note that we also monitor ozone at this site. We have established an NCore site at National Trail High School. Beginning January 01, 2011, we monitor the following additional NCore pollutants: SO_2 (trace), CO (trace) and NO/NO_y (trace), $PM_{2.5}$ speciation, $PM_{10-2.5}$, and the meteorological parameters wind speed, wind direction, relative humidity, ambient temperature, solar radiation, and barometric pressure.

LEAD MONITORING SITE

Site 8 39-113-7001 MORAINE FIREHOUSE located at 2738 Viking Lane, Moraine in Montgomery County. We operate two total suspended particulate (TSP) monitors to measure lead concentrations in ambient air at this location for comparison to the new NAAQS for lead (0.15 ug/m^3). These monitors have been operational since late 2011. Due to the low atmospheric concentrations of lead, we are seeking approval from the Regional Administrator to cease lead monitoring at the end of 2016.

At this site we also monitor PM_{10} to measure the anticipated highest concentration in our jurisdiction. We have monitored at this location since 1984, and currently use an Andersen Instruments model 1200 high volume sampler, collocated with a second PM10 sampler for precision evaluation. This monitoring activity will continue.

SO_2 MONITORING SITES

The NAAQS for sulfur dioxide (SO_2) is 75 ppbv one-hour average and 0.5 ppmv 3-hour average. We are monitoring attainment of the air quality standard for this air pollutant.

Site 611 39-023-0003 MUD RUN located at 5400 Spangler Road, Enon in Clark County downwind of Dayton and just northeast of Fairborn. At this site we monitor SO_2 to assess population exposure to the pollutant. We have monitored at this location since 1985, and currently use a Thermo 43i analyzer. Our plan for this site involves no changes at this time. Note that we also monitor ozone at this site.

Site 615 39-135-1001 NATIONAL TRAIL HIGH SCHOOL located at 6940 Oxford Gettysburg Road, New Paris in Preble County. We have monitored SO_2 at this location since 2011. This is a NCore requirement and we currently use a Thermo 43i TLE analyzer. Our plan for this site involves no changes at this time.

The 2010 NAAQS for SO_2 identified a number of unclassifiable/attainment areas in Ohio. Under the Data Requirements Rule, states must submit either modeling or monitoring plans for areas potentially impacted by large SO_2 sources over the emissions threshold of 2000 TPY SO_2. RAPCA has none of these types of sources and is not impacted by any of these large SO_2 emitters.

NO/NOy MONITORING SITE

Site 615 39-135-1001 NATIONAL TRAIL HIGH SCHOOL located at 6940 Oxford Gettysburg Road, New Paris in Preble County. We have monitored NO/NOy at this location since 2011. This is a NCore requirement and we currently use a Thermo 42i-Y TLE analyzer. Difficulties in achieving quality data from this instrument have been well documented and a number of troubleshooting activities have been attempted, including replacing the entire instrument.

AMP430 data completeness reports from AQS for 2014, 2015, and 2016 are shown.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
DATA COMPLETENESS REPORT

Apr. 28, 2016

REPORT SUMMARY

DATE RANGE: JAN. 01, 2014 THRU DEC. 31, 2014
REGION: (05) CHICAGO
STATE: Ohio
REP ORG: Dayton Regional Air Pollution Control Agency
MONITOR TYPE: SLAMS

PARAMETER	ACTIVE MONITORS	# NOT REPORTING	# MONITORS > 75%	MONITORS AVG COMPLETENESS
42600 Reactive oxides of nitrogen (NOy)	1	1	0	
42601 Nitric oxide (NO)	1	1	0	
MT SUMMARY: SLAMS	2	2	0	
RO SUMMARY: Dayton Regional Air Pollution Control Agency	2	2	0	
STATE SUMMARY: Ohio	2	2	0	
REGION SUMMARY: (05) CHICAGO	2	2	0	
REPORT SUMMARY:	2	2	0	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
DATA COMPLETENESS REPORT

Apr. 28, 2016

REPORT SUMMARY

DATE RANGE: JAN. 01, 2015 THRU DEC. 31, 2015
REGION: (05) CHICAGO
STATE: Ohio
REP ORG: Dayton Regional Air Pollution Control Agency
MONITOR TYPE: SLAMS

PARAMETER	ACTIVE MONITORS	# NOT REPORTING	# MONITORS > 75%	MONITORS AVG COMPLETENESS
42600 Reactive oxides of nitrogen (NOy)	1	0	1	83.0%
42601 Nitric oxide (NO)	1	0	1	80.0%
MT SUMMARY: SLAMS	2	0	2	81.5%
RO SUMMARY: Dayton Regional Air Pollution Control Agency	2	0	2	81.5%
STATE SUMMARY: Ohio	2	0	2	81.5%
REGION SUMMARY: (05) CHICAGO	2	0	2	81.5%
REPORT SUMMARY:	2	0	2	81.5%

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
DATA COMPLETENESS REPORT

Apr. 28, 2016

REPORT SUMMARY

DATE RANGE: JAN. 01, 2016 THRU MAR. 31, 2016
REGION: (05) CHICAGO
STATE: Ohio
REP ORG: Dayton Regional Air Pollution Control Agency
MONITOR TYPE: SLAMS

PARAMETER	ACTIVE MONITORS	# NOT REPORTING	# MONITORS > 75%	MONITORS AVG COMPLETENESS
42600 Reactive oxides of nitrogen (NOy)	1	1	0	
42601 Nitric oxide (NO)	1	1	0	
MT SUMMARY: SLAMS	2	2	0	
RO SUMMARY: Dayton Regional Air Pollution Control Agency	2	2	0	
STATE SUMMARY: Ohio	2	2	0	
REGION SUMMARY: (05) CHICAGO	2	2	0	
REPORT SUMMARY:	2	2	0	

Only 2015 shows average data completeness > 75% (80% for NO and 83% for NOy). 2014 and 2016 to date have 0% data completeness.

In order to address this situation, we intend to assess potential power quality issues by contracting with a power quality assessment contractor such as Kastle Electric Group.