GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

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March 2, 2021

NOTICE OF THE OPPORTUNITY FOR PUBLIC COMMENT
GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
AIR PROTECTION BRANCH

STATE OF GEORGIA

NOTICE OF DRAFT ADDENDUM TO 2020 AMBIENT AIR MONITORING PLAN – March 2021

To All Interested Parties:

The Georgia Environmental Protection Division (GA EPD) announces its intent to issue the *Addendum to 2020 Ambient Air Monitoring Plan* to the U.S. Environmental Protection Agency in March 2021. The GA EPD is required to produce this annual plan as part of EPA's amended ambient air monitoring regulations established October 17, 2006.

Georgia EPD's *2020 Ambient Air Monitoring Plan* shows how the state agency plans to meet EPA regulations for monitoring air quality in the state by assessing monitoring objectives, site appropriateness for air quality characterization, spatial scale represented by each monitor and appropriate new technologies.

GA EPD's air monitoring network consists of a number of stations located throughout the state. GA EPD uses the air monitoring data to track if air quality standards are being met, to assist in enforcement actions, to determine the improvement or decline of air quality, to trace the extent of allowable industrial expansion and to provide air pollution information to the public.

The draft *Addendum to 2020 Ambient Air Monitoring Plan* will be available for review on the GA EPD Air Protection Branch internet site: https://epd.georgia.gov/air-protection-branch-public-announcements and the Ambient Air Monitoring Program website: https://airgeorgia.org/.

Persons wishing to comment on the draft *Addendum to 2020 Ambient Air Monitoring Plan* are required to submit their comments, in writing, to GA EPD at the following address:

Air Protection Branch
Attn: Annual Air Monitoring Plan Comments
4244 International Parkway, Suite 120
Atlanta, Georgia 30354

In addition, public comments can be submitted in writing to DeAnna Oser, Program Manager of the Ambient Monitoring Program, at DeAnna.Oser@dnr.ga.gov

Comments must be received by GA EPD no later than April 2, 2021. Should the comment period end on a weekend or holiday, comments will be accepted up until the next working day. GA EPD, in soliciting comments for the final draft before submittal to EPA as required by 40CFR58, will consider all comments received on or prior to that date.

After the comment period has expired, GA EPD will consider all comments received. GA EPD's responses to comments and any other relevant information will be included in the final document published on https://airgeorgia.org/.

For additional information, contact the manager of the Ambient Air Monitoring Program, DeAnna Oser at the Atlanta address, or by phone at 470-524-0541. Please refer to this notice when requesting information.

GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Protection Branch
Ambient Monitoring Program

Addendum to 2020 Ambient Air Monitoring Plan

Per the Environmental Protection Agency regulations, the Georgia Ambient Air Monitoring Program (GA AAMP) produces an annual network monitoring plan to show how the ambient air monitoring requirements are met (40 CFR 58.10). If that plan is modified during the year after it is published, it is the state's responsibility to let the public know of those modifications. The following documentation describes changes that have taken place during the 2020 monitoring year and since the publication of the *2020 Ambient Air Monitoring Plan* in June 2020. See the *2020 Ambient Air Monitoring Plan* at https://airgeorgia.org/networkplans.html for more information.

At the publication of this *Addendum to 2020 Ambient Air Monitoring Plan*, the GA AAMP network includes the sites and parameters monitored at each site as shown in the following network summary table.

SITE ID	SITE NAME	COUNTY	O_3	CO	$PM_{2.5}$ FRM	$PM_{2.5}$ Cont.	$PM_{2.5}$ Spec.	PM Coarse	NO/ NOx	NO_2	NOy	SO_2	Pb	PM_{10}	PM_{10} Cont.	PAMS VOC	VOC	SVOC	Carb-onyls	Meteo-rology	Black Carbon	Metals
Rome MSA																						
131150003	Rome	Floyd				S	X															
Brunswick MSA																						
131270006	Brunswick	Glynn	S		S															NR		
Valdosta MSA																						
131850003	Valdosta	Lowndes			S	S																
Warner Robins MSA																						
131530001	Warner Robins	Houston			S	S																
Dalton MSA																						
132130003	Fort Mountain	Murray	S																	NR		
Albany MSA																						
130950007	Albany	Dougherty			S	S																
Gainesville MSA																						
131390003	Gainesville	Hall				S																
Athens-Clarke County MSA																						
130590002	Athens	Clarke	S			S																
Macon MSA																						
130210007	Macon-Allied	Bibb			S		X															
130210012	Macon-Forestry	Bibb	S		S	S						S								NR		
Columbus Georgia- Alabama MSA																						
132150008	Columbus-Airport	Muscogee	S		S	S																
132150012	Columbus-Baker	Muscogee			S		X															
132151003	Columbus-Crime Lab	Muscogee																		NR		
Savannah MSA																						
130510021	Savannah-E. President	Chatham	S									S								NR		
130511002	Savannah- L&A	Chatham				S						S								NR		
Augusta-Richmond County, Georgia-South Carolina MSA																						
130730001	Evans	Columbia	S																	NR		
132450091	Augusta	Richmond	S			S	X					S			S					NR		

Table 1: Georgia Ambient Air Monitoring Network

SITE ID	SITE NAME	COUNTY	O_3	CO	$PM_{2.5}$ FRM	$PM_{2.5}$ Cont.	$PM_{2.5}$ Spec.	PM Coarse	NO/ NOx	NO_2	NOy	SO_2	Pb	PM_{10}	PM_{10} Cont.	PAMS VOC	VOC	SVOC	Carb-onyls	Meteo-rology	Black Carbon	Metals
Atlanta-Sandy Springs-Marietta MSA																						
130630091	Forest Park	Clayton			S																	
130670003	Kennesaw	Cobb	S		S																	
130850001	Dawsonville	Dawson	S																	NR		
130890002	South DeKalb	DeKalb	S/P/C	S/P/C	S/C	S/C	T/C	S	S/P	S/P	S/P/C	C			C	P	N	N	P/N	P/C		N
130890003	NR-285	DeKalb							R	R							R				R	
130970004	Douglasville	Douglas	S																	NR		
131210039	Fire Station #8	Fulton			S									S								
131210055	United Ave.	Fulton	S			S						S								NR		
131210056	NR-GA Tech	Fulton		R	R	R				R										R	R	
131350002	Gwinnett Tech	Gwinnett	S			S																
131510002	McDonough	Henry	S			S																
132319991	EPA CASTNET	Pike	A																			
132470001	Conyers	Rockdale	S																	NR/P		
Chattanooga Tennessee-Georgia MSA																						
132950004	Rossville-Williams St.	Walker			S	S	X															
Not in an MSA																						
130550001	Summerville	Chattooga	S																			
130690002	General Coffee	Coffee			S		X															
132611001	Leslie	Sumter	S																			
133030001	Sandersville	Washington				S																

Monitoring Types: S=SLAMS; P=PAMS; C=NCore; X=Supplemental Speciation; T=STN; N=NATTS; R=Near-road; NR=Non-Regulatory; G=General Information; A=CASTNET

Table 1: Georgia Ambient Air Monitoring Network (continued)

For each of the relocated sites, GA AAMP worked closely with county officials to find a suitable monitoring location for the ambient air monitoring equipment. Obstructions, monitoring path and fetch, distances from roadways, power availability, and access for staff are all considered when considering the feasibility of a potential site. All GA AAMP sites must be selected such that the requirements of 40 CFR 58 Appendix E are met upon the site being commissioned. If not, GA AAMP will consult with EPA Region 4 prior to release of the Annual Ambient Air Monitoring Plan or Addendum.

Valdosta:

In accordance with 40 CFR 58.10 regarding relocation requests for State or Local Air Monitoring Stations (SLAMS), the GA AAMP provides the following documentation in support of moving the Valdosta ambient air monitoring site (13-185-0003). The Valdosta site is located within Lowndes County in the Valdosta MSA. The GA AAMP monitored $PM_{2.5}$ data with a federal reference method (FRM) Partisol 2025, as well as continuous $PM_{2.5}$ BAM monitor [non-federal equivalent method (non-FEM)] at this location. The following information shows site details and a list of parameters measured at the old Valdosta ambient air monitoring site.

Valdosta

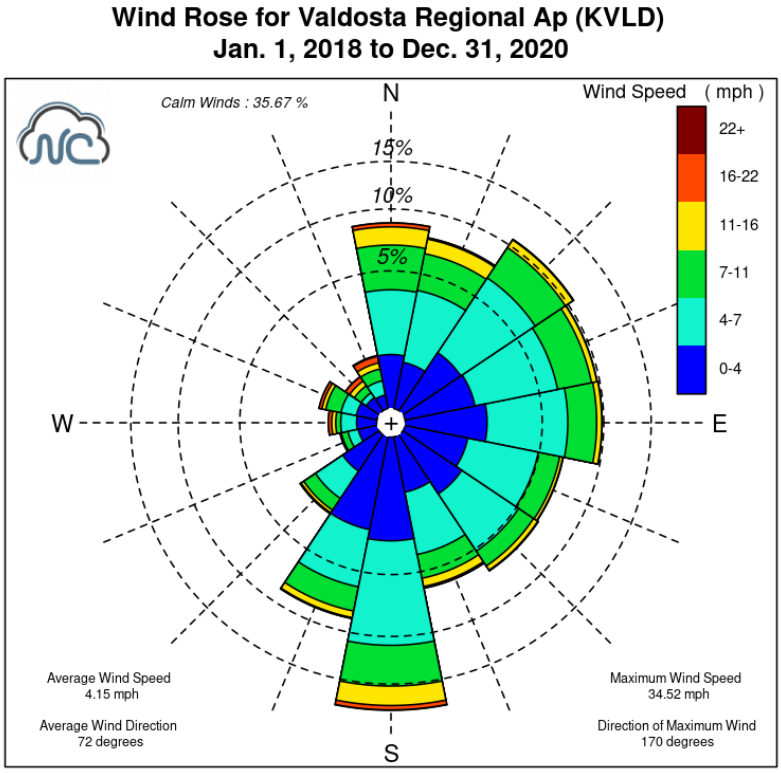
AQS ID: 131850003
Address: 1605 Azalea Drive, Valdosta, Lowndes County, Georgia 31602
Site Established: 12/17/99
Latitude/Longitude: N30.8486/W-83.2933
Elevation: 62.7 meters
Area Represented: Valdosta MSA
Site History: Established as $PM_{2.5}$ site

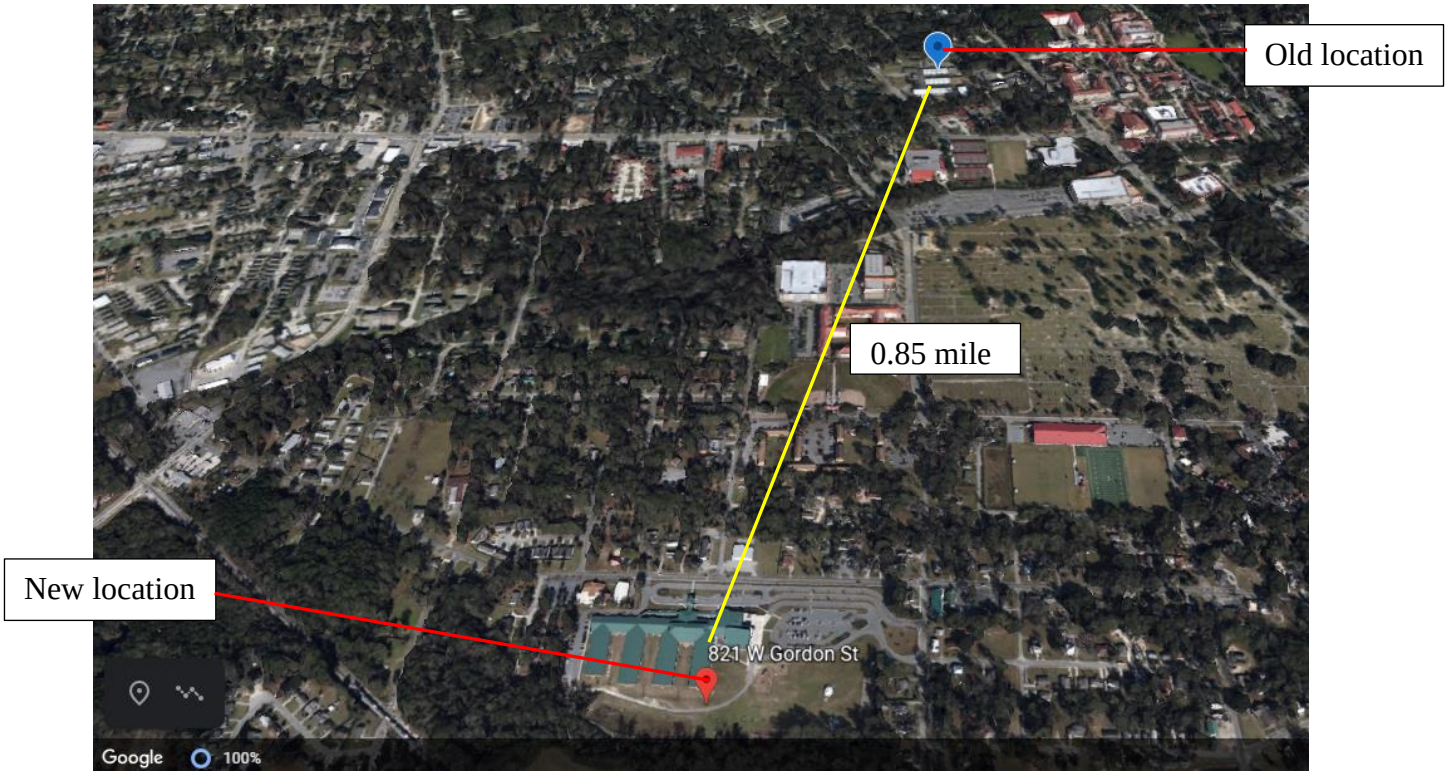
North South East West

Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
$PM_{2.5}$	Population Exposure	Every 3 days	3 m	Neighborhood	1/1/00
$PM_{2.5}$	Population Exposure	Continuous	3 m	Neighborhood	1/1/08

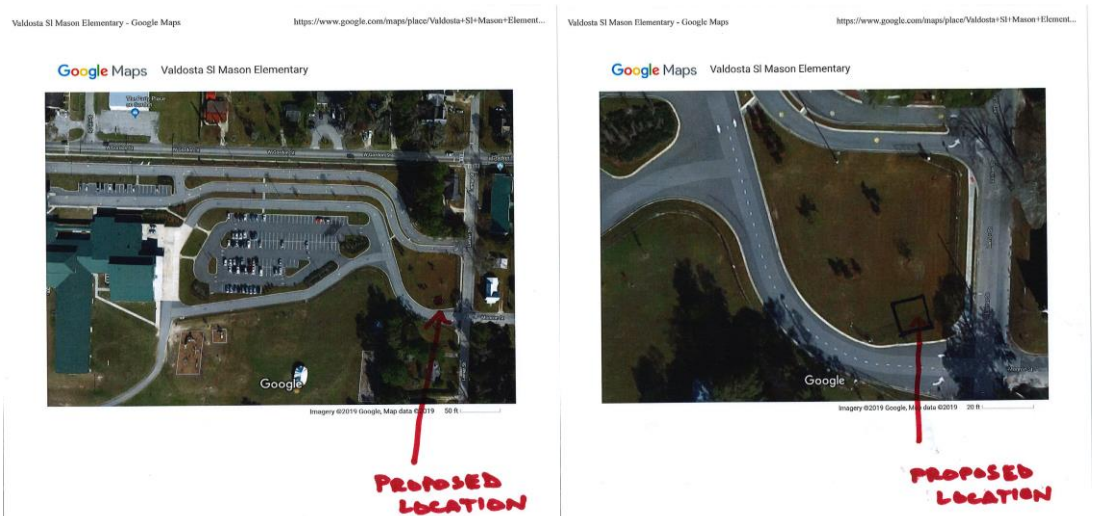
Due to the roof being replaced at the monitoring location on the S.L. Mason School at the Valdosta site, the GA AAMP moved the samplers to a platform on ground level. The air monitoring equipment was shut down on March 11, 2020 at the S.L. Mason School at the 1605 Azalea Drive location, and moved to the ground at 821 Gordon Street, also at the S.L. Mason School on March 18, 2020. The S.L. Mason School, where the old site was located, moved, and the GA AAMP moved from the school's old location to the school's new location. The distance between the two locations is 0.85 mile. In the picture below, the new site and the old site are marked, as well as the distance between them (yellow line).

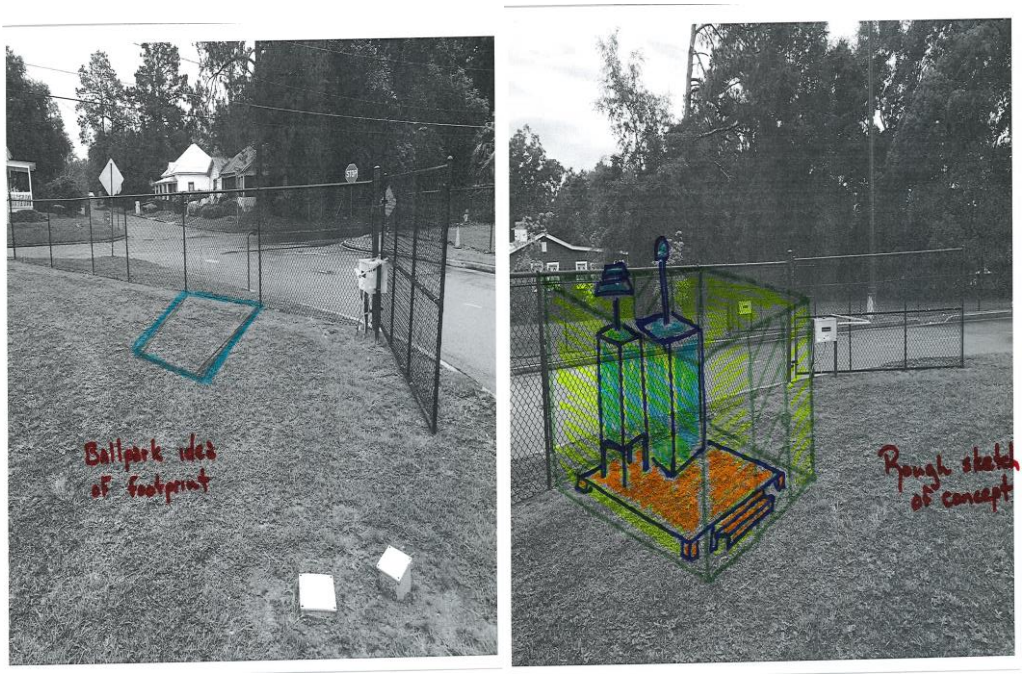
The following 2018-2020 average wind rose was considered when selecting the new site in Valdosta.





The following photos show the process of GA AAMP identifying a suitable area to place the monitoring station.


Valdosta SI Mason Elementary - Google Maps
https://www.google.com/maps/place/Valdosta+SI+Mason+Element...
Google Maps Valdosta SI Mason Elementary
Google
PROPOSED LOCATION
Valdosta SI Mason Elementary - Google Maps
https://www.google.com/maps/place/Valdosta+SI+Mason+Element...
Google Maps Valdosta SI Mason Elementary
Google
PROPOSED LOCATION


Ballpark idea of footprint
Rough sketch of concept

At the new Valdosta location, $PM_{2.5}$ data is monitored with a federal reference method (FRM) Partisol 2025 on a 1 in 3 day sampling schedule. The GA AAMP did not re-install the non-FEM BAM continuous $PM_{2.5}$ monitor but installed an FEM Teledyne T640 continuous $PM_{2.5}$ monitor instead. Since the relocation is within a mile, the GA AAMP will retain the same AQS ID number (13-185-0003) to keep continuity of the monitoring data.

The site assessment performed at this new location shows that the sampler meets siting criteria as outlined in 40 CFR 58, Appendix E. The information below shows the site details for the new Valdosta monitoring station.

Valdosta

AQS ID: 131850003
Address: 821 W Gordon Street, Lowndes County, Georgia 31602
Site Established: 12/17/99
Latitude/Longitude: N30.836577/W-83.294719
Elevation: 55.0 meters
Area Represented: Valdosta MSA
Site History: Established as $PM_{2.5}$ site

North South East West

Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
$PM_{2.5}$	Population Exposure	Every 3 days	3 m	Neighborhood	1/1/00
$PM_{2.5}$	Population Exposure	Continuous	3 m	Neighborhood	1/1/08

Sandersville:

In accordance with 40 CFR 58.10 regarding SLAMS monitoring relocation requests, the GA AAMP provides the subsequent documentation in support of moving the Sandersville ambient air monitoring site (13-303-0001), located within Washington County. The previous location for the Sandersville site was at 824 School Street as shown below with the site details. The GA AAMP collected $PM_{2.5}$ data with a federal reference monitor (FRM) Partisol 2025 every 3 days.

Sandersville

AQS ID: 133030001

Address: Oconee Center, 824 School Street, Sandersville, Washington County, Georgia 31082

Site Established: 1/1/74

Latitude/Longitude: N32.9672/W-82.8070

Elevation: 140 meters

Area Represented: Not in an MSA, Washington County

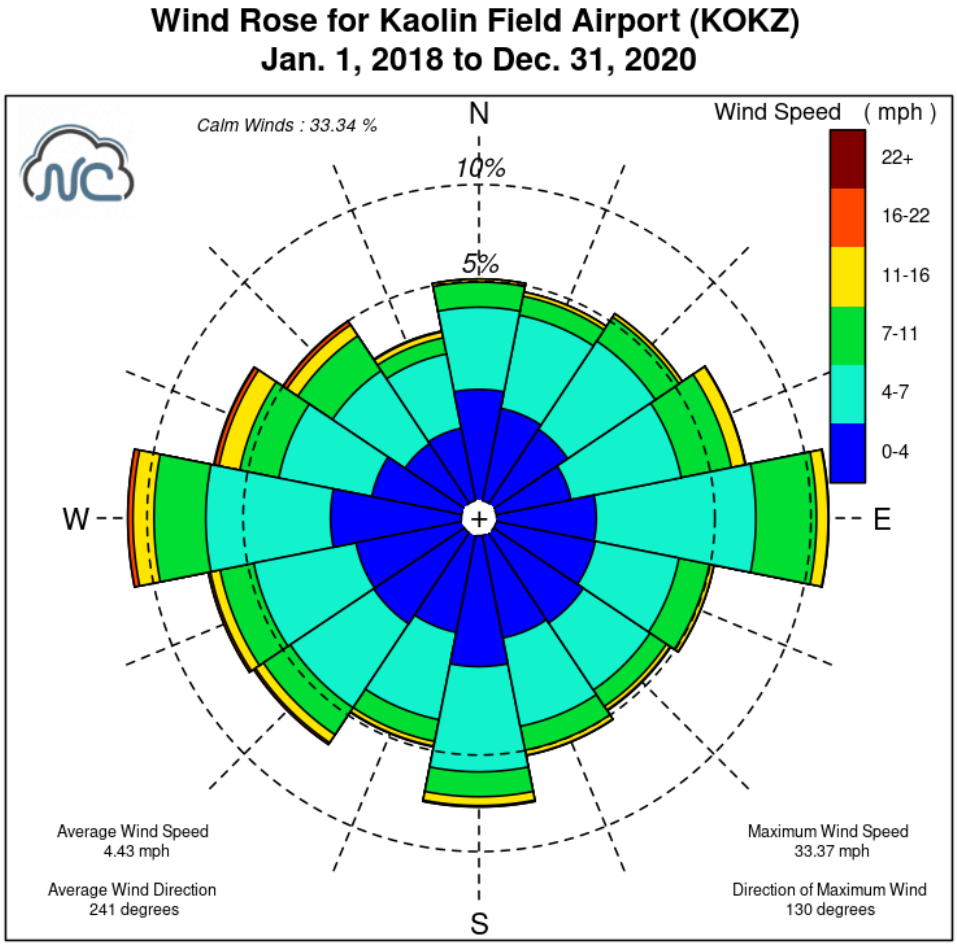
Site History: Established as TSP site

North South East West

Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
$PM_{2.5}$	Population Exposure	Every 3 days	3 m	Neighborhood	1/30/99

Construction is planned for the location on the ground; therefore, GA AAMP found a suitable location near the previous site, as shown in the following aerial view. In the picture below, the new site and the old site are marked. The new site is adjacent to the baseball field, and the old site is behind the building at 824 School Street. The two sites are approximately 0.08 mile apart, as shown with the yellow line on the map. Since the relocation is within a mile, the GA AAMP will retain the same AQS ID number (13-303-0001) to keep continuity of the monitoring data.

The following 2018-2020 average wind rose was considered when selecting the new site in Sandersville.



The GA AAMP moved the Sandersville sampling station across the street from the previous location on March 13, 2020. The GA AAMP also changed the $PM_{2.5}$ sampling from a 1 in 3 day sampling schedule, with an FRM monitor, to a $PM_{2.5}$ federal equivalent method (FEM) Teledyne T640 continuous $PM_{2.5}$ monitor. The site assessment performed at this new location shows that the sampler meets siting criteria as outlined in 40 CFR 58, Appendix E. The information below shows site details for the new Sandersville monitoring station.

Sandersville

AQS ID: 133030001
Address: 420 Riddleville Road, Sandersville, Washington County, Georgia 31082
Site Established: 1/1/74
Latitude/Longitude: N32.968060/W-82.805903
Elevation: 140 meters
Area Represented: Not in an MSA, Washington County
Site History: Established as TSP site

North South East West

Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
$PM_{2.5}$	Population Exposure	Continuous	3 m	Neighborhood	1/30/99

Columbus-Cusseta:

In accordance with 40 CFR 58.10 regarding relocation requests for State or Local Air Monitoring Stations (SLAMS), the GA AAMP provides the following documentation in support of moving the Columbus-Cusseta ambient air monitoring site (13-215-0011). The Cusseta site is located within Muscogee County in the Columbus, Georgia-Alabama MSA. The GA AAMP monitors $PM_{2.5}$, $PM_{2.5}$ Speciation, and lead data at Columbus-Cusseta. The following information shows site details and a list of parameters measured at the old Columbus-Cusseta ambient air monitoring site.

Columbus-Cusseta

AQS ID: 132150011
Address: Cusseta Road Elementary School, 4150 Cusseta Road, Columbus, Muscogee County, Georgia 31903
Site Established: 9/4/91
Latitude/Longitude: N32.4297/W-84.9316
Elevation: 87.1 meters
Area Represented: Columbus Georgia-Alabama MSA
Site History: Established as lead site

North South East West

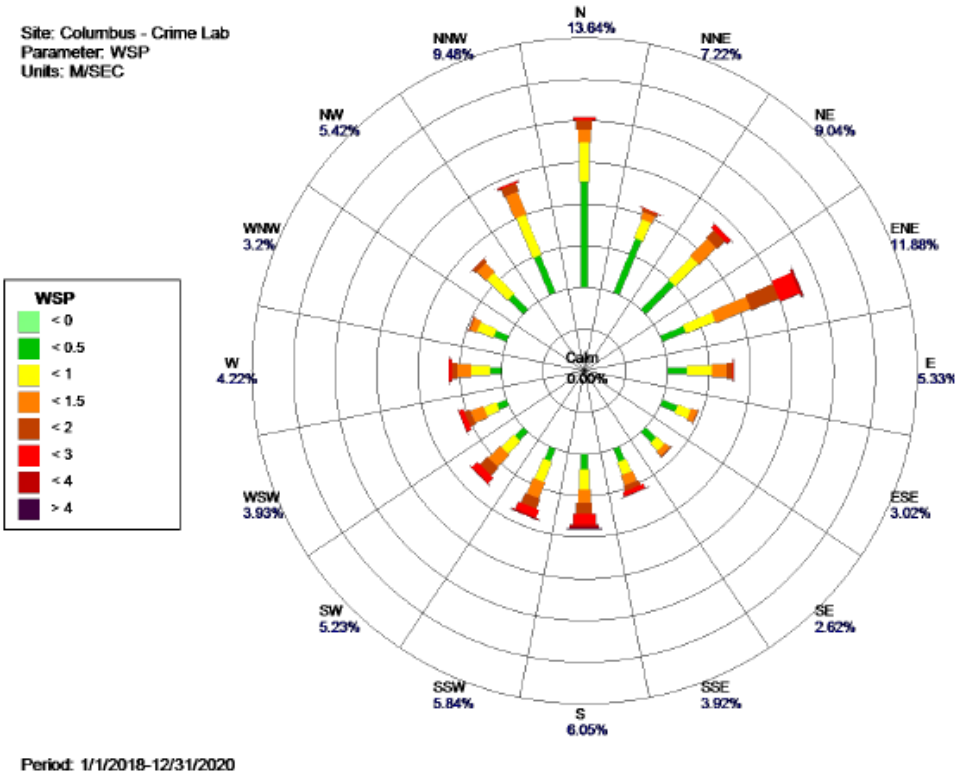
Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Lead	Population Exposure/Source Oriented	Every 6 days	1.8 m	Middle	9/4/91
$PM_{2.5}$	Population Exposure	Every 3 days	1.8 m	Neighborhood	1/21/99
$PM_{2.5}$ Speciation	Population Exposure	Every 6 days	1.8 m	Neighborhood	5/1/02

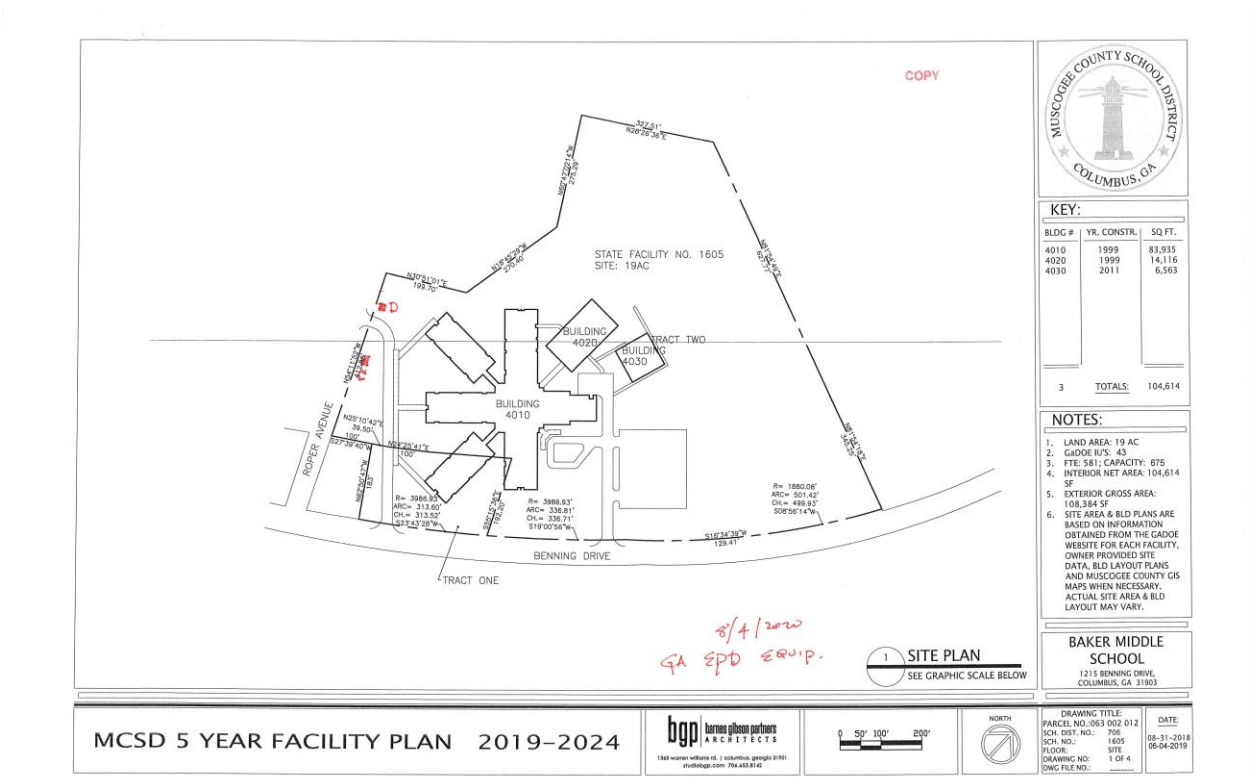
Due to construction at the Columbus-Cusseta School location, the GA AAMP has found a suitable ambient air monitoring location nearby this site. The air monitoring equipment was shut down at the end of July 2020 at the Cusseta School, 4150 Cusseta Road location, and moved to the ground

at Baker Middle School, 1215 Benning Drive. The GA AAMP will begin data collection on March 1, 2021. At the new location, $PM_{2.5}$ data is monitored with a federal reference method (FRM) Partisol 2025 on a 1 in 3 day sampling schedule and $PM_{2.5}$ speciation data is monitored with a URG and SASS. As the new Columbus-Baker site is established, the GA AAMP is not re-installing the lead monitor. The GA AAMP will discontinue monitoring lead. Please see the next section for discussion of shutting down the lead monitors in the Columbus, GA-AL MSA.

Since the new site is a little further away, it will be given a new name and a new AQS site ID with the historical data linked. The information below shows the site details for the new Columbus-Baker monitoring station.

The following 2018-2020 average wind rose was considered when selecting the new site in Columbus.





New location

The distance between the two locations is 0.83 mile. In the picture below, the new site and the old site are marked, as well as the distance between them (yellow line).

Preliminary measurements were made at the site to ensure that the sampler is at least 10 meters from any trees and that the sampler has 270º unobstructed fetch for wind flow, and indicate that the sampler meets the siting criteria in 40 CFR 58, Appendix E. The information below shows the site details for the new Columbus-Baker monitoring station.

Columbus-Baker

AQS ID: 132150012
Address: Baker Middle School, 1215 Benning Dr, Columbus, Muscogee County, Georgia 31903
Site Established: 3/1/21
Latitude/Longitude: N32.4274/W-84.9457
Elevation: 85 meters
Area Represented: Columbus Georgia-Alabama MSA
Site History: Established as $PM_{2.5}$ site

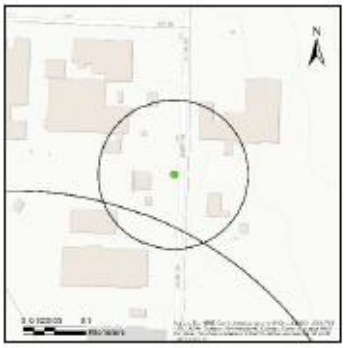
North South East West

Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
$PM_{2.5}$	Population Exposure	Every 3 days	2.8 m	Neighborhood	3/1/21
$PM_{2.5}$ Speciation	Population Exposure	Every 6 days	2.7 m	Neighborhood	3/1/21

Columbus-Allied:

In accordance with 40 CFR 58.14 regarding site discontinuation for State or Local Air Monitoring Stations (SLAMS), the GA AAMP provides the following documentation in support of closing the Columbus-Allied ambient air monitoring site (13-215-0009). The Allied site is located within Muscogee County in the Columbus, Georgia-Alabama MSA. The GA AAMP monitors lead data at the Columbus-Allied site. The following information shows site details for the Allied ambient air monitoring site.

Columbus-Allied



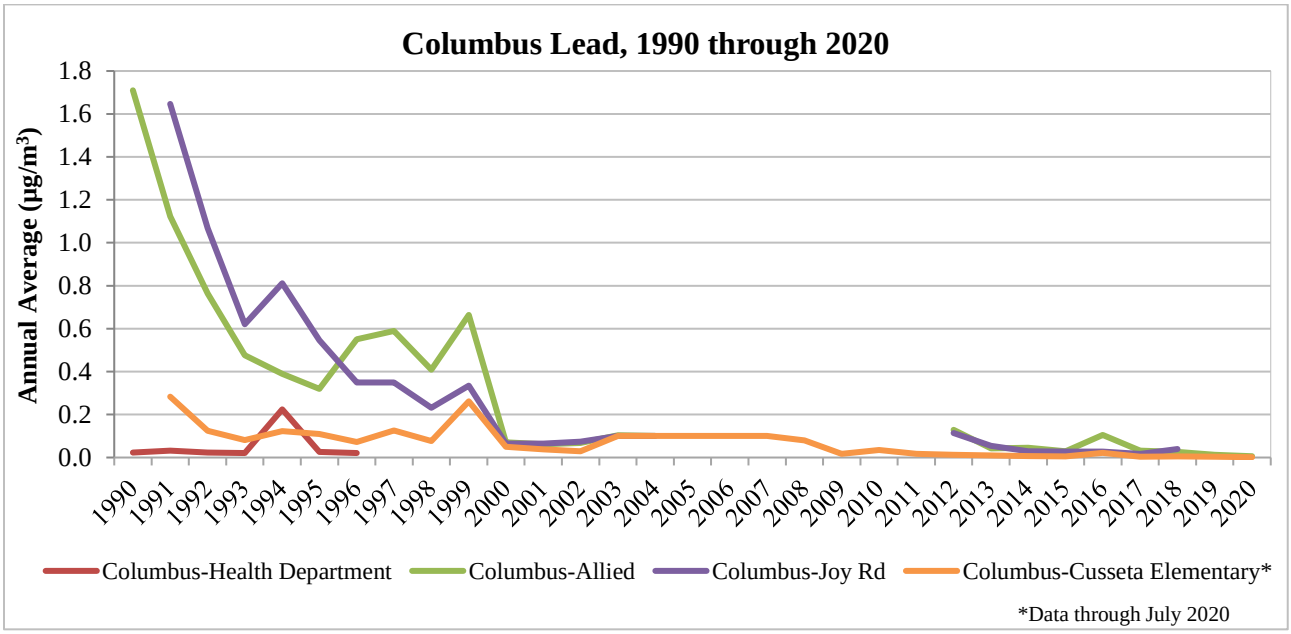
AQS ID: 132150009
Address: 4365 Allied Drive, Columbus, Muscogee County, Georgia 31906
Site Established: 9/1/90
Latitude/Longitude: N32.4344/W-84.9293
Elevation: 85 meters
Area Represented: Columbus Georgia-Alabama MSA
Site History: Established as lead site

North South East West

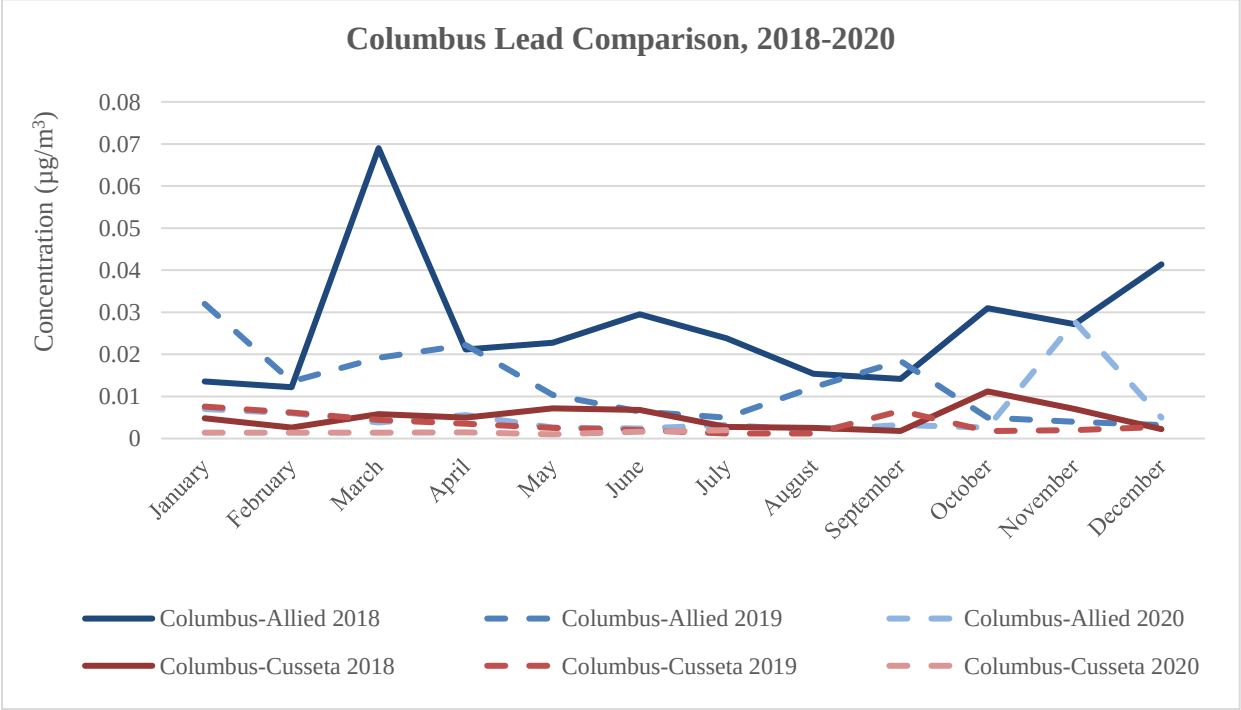
Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Lead	Source Oriented	Every 6 days	2.3 m	Micro	9/1/90*
Lead	Quality Assurance /Source Oriented	Every 12 days	2.3 m	Micro	2/1/18

The Columbus-Allied lead monitors were originally set up as source-oriented monitors for the sources in the area that had lead emissions greater than 0.5 tons per year. According to the Toxic Release Inventory, the source released only 211.01 pounds in 2018. As of March 2019, the source that had been emitting lead ceased the lead operations, and since that time, the lead monitors in the Columbus, GA-AL MSA have been collecting very low concentrations of lead in the ambient air. As of the publication of this document, the source being monitored in the Columbus, GA-AL

MSA has closed all operations in North America. The following graph shows the decrease in lead concentrations from 1990 through 2020.

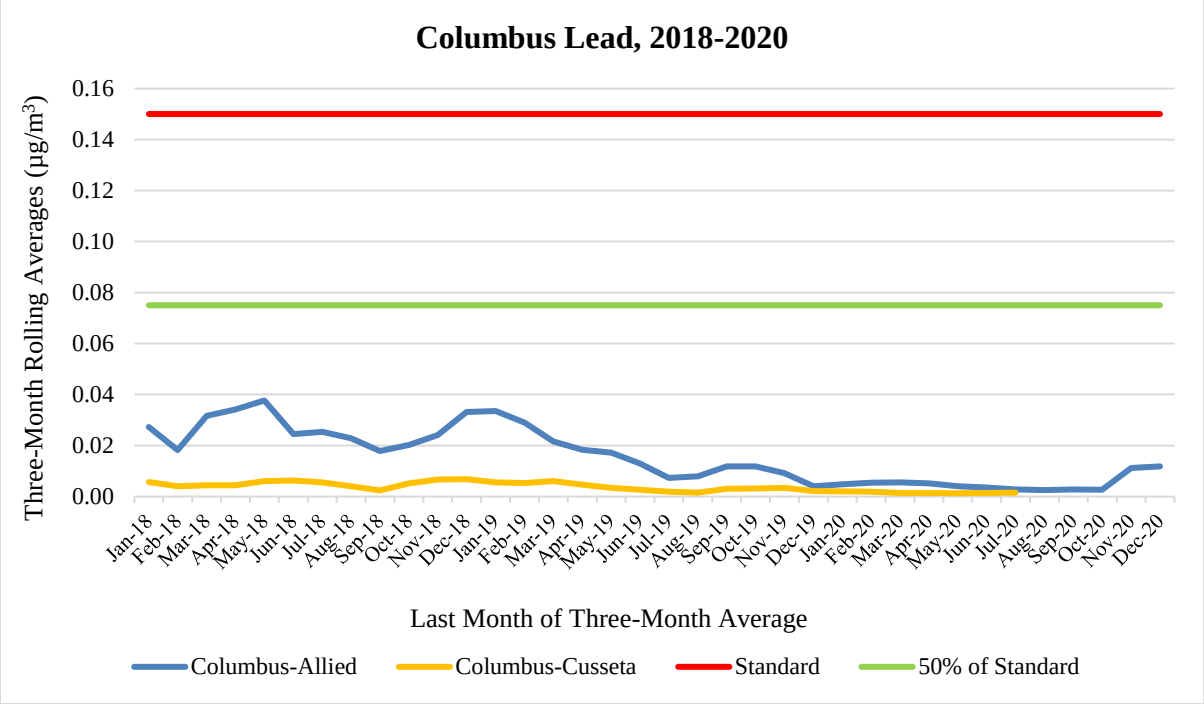


As of 2018, GA AAMP operated two lead monitors in the Columbus, GA-AL MSA. The next graph is a comparison of the 2018 through 2020 monthly averages, showing the difference between when the emission source was in operation (solid lines) to when it was shut down (dotted lines).



The following graph shows the comparison of lead data to the National Ambient Air Quality Standard (NAAQS). The red line represents the lead standard of 0.15 µg/m^3 and the green line

represents 50% of the standard at 0.075 µg/m^3. Both the Columbus lead monitors collect data well below this 50% threshold.



With the source no longer producing lead, and the lead data well below 50% of the standard, the GA AAMP is requesting to discontinue monitoring for lead in the Columbus, GA-AL MSA as of December 31, 2020. The GA AAMP will keep the lead monitors in place for a time in case a need arises to monitor lead in the Columbus, GA-AL MSA in the future.

Columbus-Health Department:

In accordance with 40 CFR 58.14 regarding site discontinuation for State or Local Air Monitoring Stations (SLAMS), the GA AAMP provides the following documentation in support of closing the Columbus-Health Department ambient air monitoring site (13-215-0001). The Columbus-Health Department site is located within Muscogee County in the Columbus, Georgia-Alabama MSA. The GA AAMP monitors $PM_{2.5}$ data at the Columbus-Health Department site. The following information shows site details for the Columbus-Health Department ambient air monitoring site.

Columbus-Health Department

AQS ID: 132150001
Address: Muscogee City Health Department, 2100 Comer Ave., Columbus, Muscogee County, Georgia 31901
Site Established: 1/1/57
Latitude/Longitude: N32.4842/W-84.9789
Elevation: 111 meters
Area Represented: Columbus Georgia-Alabama MSA
Site History: Established as TSP site

North South East West

Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
$PM_{2.5}$	Population Exposure	Every 3 days	1.8 m	Neighborhood	3/4/99

In the Columbus, GA-AL MSA, there are four $PM_{2.5}$ monitoring stations. There are $PM_{2.5}$ monitors at the Columbus-Health Department, Columbus-Airport, Columbus-Cusseta, and Phenix City, AL.

The 2017-2019 daily and annual 3-year $PM_{2.5}$ design values are respectively 19 $\mu g/m^3$ and 8.8 $\mu g/m^3$ for the Columbus-Health Department site; 19 $\mu g/m^3$ and 8.6 $\mu g/m^3$ for the Columbus-Airport site; 17 $\mu g/m^3$ and 8.9 $\mu g/m^3$ for the Columbus-Cusseta site; and 18 $\mu g/m^3$ and 9.4 $\mu g/m^3$ for the Phenix City site. The 2017 estimated population of the Columbus, GA-AL MSA is 309,979.

Eighty-five percent of the daily standard is 29.75 µg/m^3, and 85% of the annual standard is 10.2 µg/m^3. All the $PM_{2.5}$ monitors in the Columbus, GA-AL MSA are below these values. According to the 40CFR58, Appendix D, Table D-5, the Columbus, GA-AL MSA would not be required to have $PM_{2.5}$ monitors (refer to Table D-5 below).

TABLE D-5 OF APPENDIX D TO PART 58—$PM_{2.5}$ MINIMUM MONITORING REQUIREMENTS

MSA population[1] [2]	Most recent 3-year design value ≥85% of any $PM_{2.5}$ NAAQS[3]	Most recent 3-year design value <85% of any $PM_{2.5}$ NAAQS[3] [4]
>1,000,000	3	2
500,000-1,000,000	2	1
50,000-<500,000[5]	1	0

[1]Minimum monitoring requirements apply to the Metropolitan statistical area (MSA).

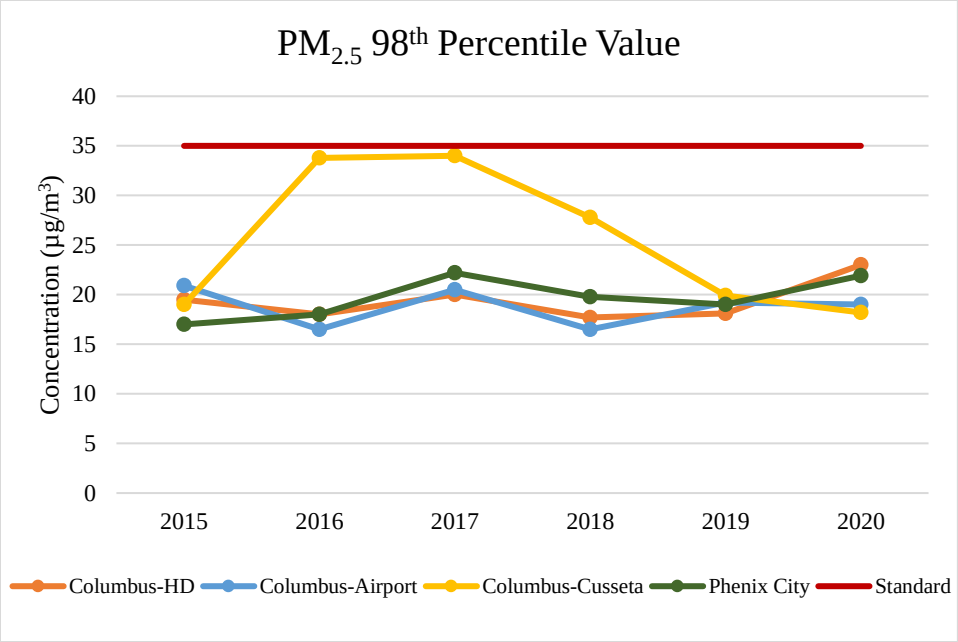
[2]Population based on latest available census figures.

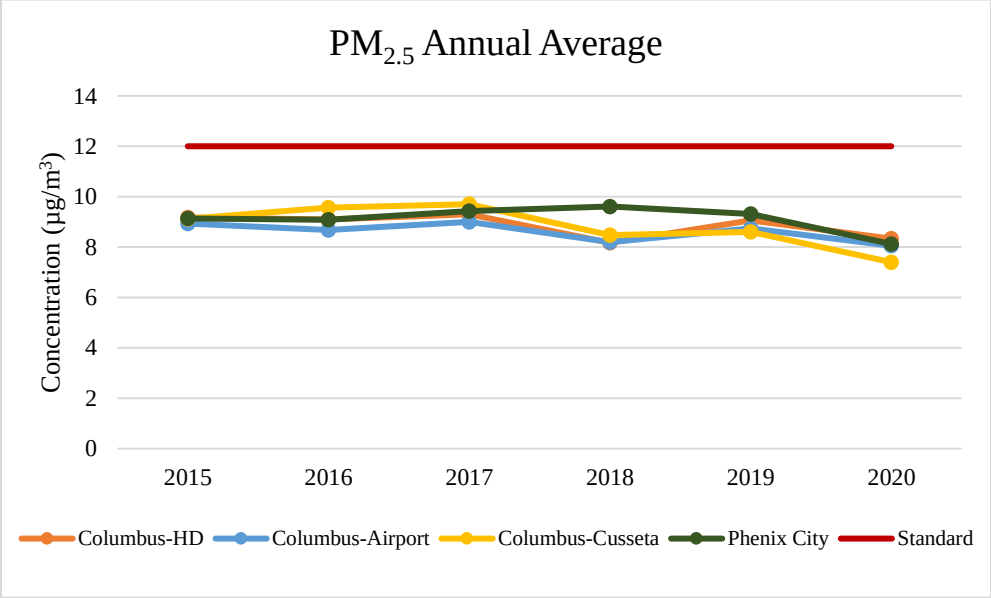
[3]The $PM_{2.5}$ National Ambient Air Quality Standards (NAAQS) levels and forms are defined in 40 CFR part 50.

[4]These minimum monitoring requirements apply in the absence of a design value.

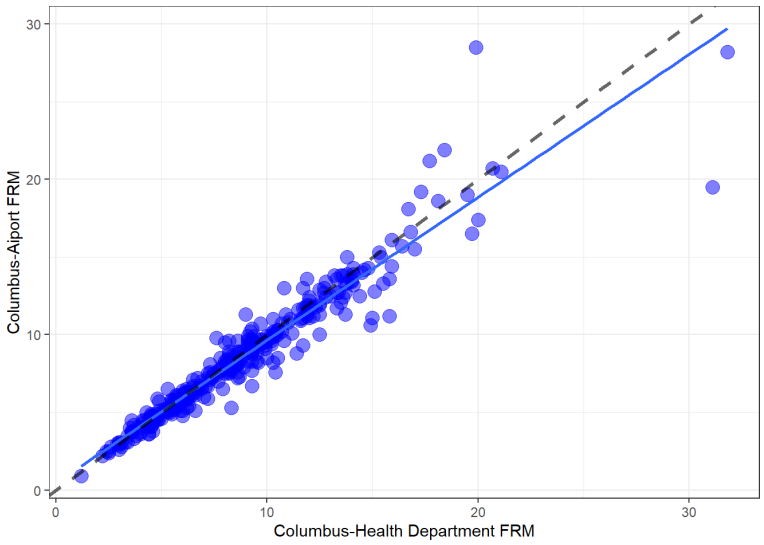
[5]Metropolitan statistical areas (MSA) must contain an urbanized area of 50,000 or more population.

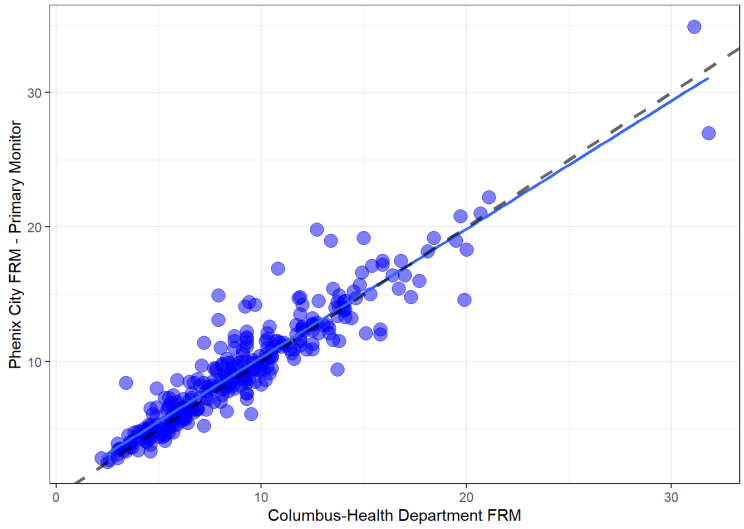
The following graphs show the annual values of the $PM_{2.5}$ 98th percentile and annual weighted means for 2015 through October 2020 for Columbus-Health Department and Columbus-Airport sites, through July 2020 for the Columbus-Cusseta site, and through September 2020 for the Phenix City, AL site. The Columbus-Health Department is shown with the orange line and is well below both the standards used for the 98th percentile and the annual weighted mean. The higher values at the Columbus-Cusseta site appear to be attributed to fires.

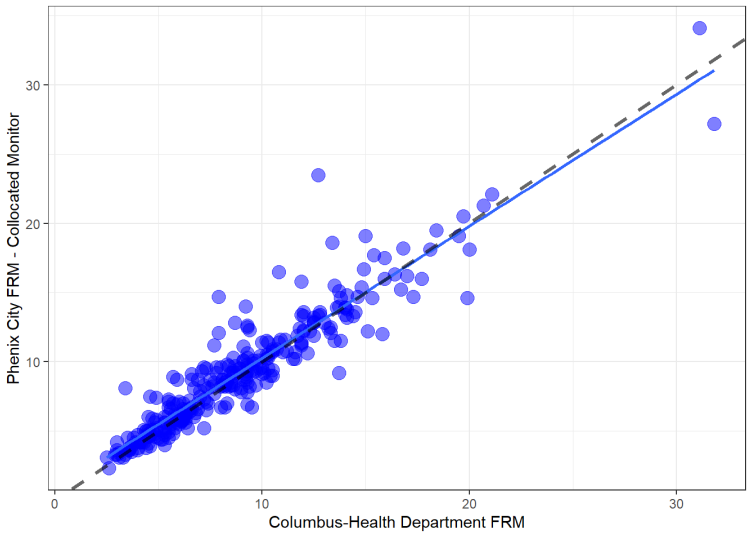




In preliminary discussions with EPA, they produced the following scatterplots of $PM_{2.5}$ data in the Columbus, GA_AL MSA. These scatterplots show that the $PM_{2.5}$ data is highly correlated between the Columbus-Health Department and Columbus-Airport sites, as well as between the Columbus-Health Department and the Phenix City monitor in Alabama. This shows that the data collected at these monitors is very similar, indicating that not all these $PM_{2.5}$ monitors are needed in the MSA.


Columbus-Aiport FRM
Columbus-Health Department FRM
0
10
20
30


Phenix City FRM - Primary Monitor
Columbus-Health Department FRM
0
10
20
30

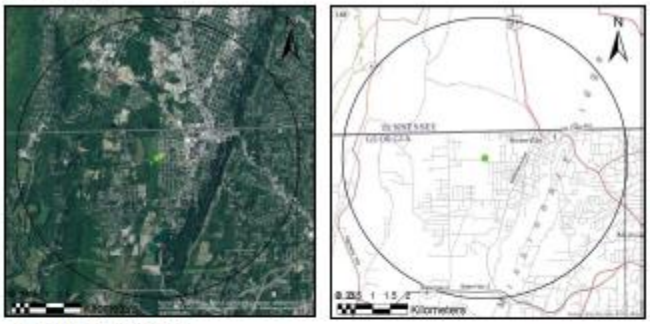

Phenix City FRM - Collocated Monitor
Columbus-Health Department FRM
0
10
20
30

In addition to the data comparison, the GA AAMP considered other logistical information. At the Columbus-Health Department site, $PM_{2.5}$ is the only pollutant being monitored. Closing this site will help with site and shipping costs for GA AAMP and improve the safety of personnel involved with collecting the data. Also, the historic source of lead emissions in the area has shut down all its facilities in North America, which may also reduce the PM emissions in the Columbus, GA-AL MSA area.

Rossville:

In accordance with 40 CFR 58.10 regarding relocation requests for State or Local Air Monitoring Stations (SLAMS), the GA AAMP provides the following documentation in support of moving the Rossville-Maple Street ambient air monitoring site (13-295-0002) located in Walker County in the Chattanooga, TN-GA MSA. Due to construction at the Rossville-Maple St. location, the GA AAMP has found a suitable ambient air monitoring location nearby this site. The previous location for the Rossville site details are shown below.

Rossville



AQS ID: 132950002
Address: 601 Maple Street, Lot #6, Rossville, Walker County, Georgia, 30741
Site Established: 1/1/67
Latitude/Longitude: N34.9788/W-85.3009
Elevation: 200 meters
Area Represented: Chattanooga Tennessee-Georgia MSA
Site History: Established as TSP and SO_2/NO_2 site

North South East West

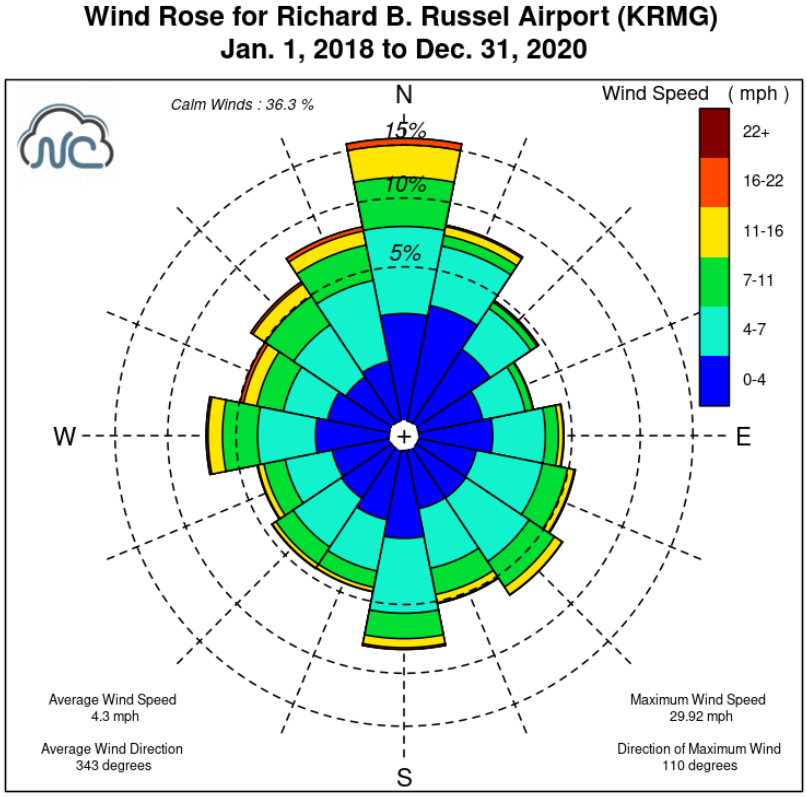
Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
$PM_{2.5}$	Population Exposure	Continuous	2.9 m	Neighborhood	1/24/07
$PM_{2.5}$	Population Exposure/ Regional Transport	Every 3 days	2.2 m	Neighborhood	1/1/00
$PM_{2.5}$ Speciation	Population Exposure	Every 6 days	2.2 m	Neighborhood	3/23/05

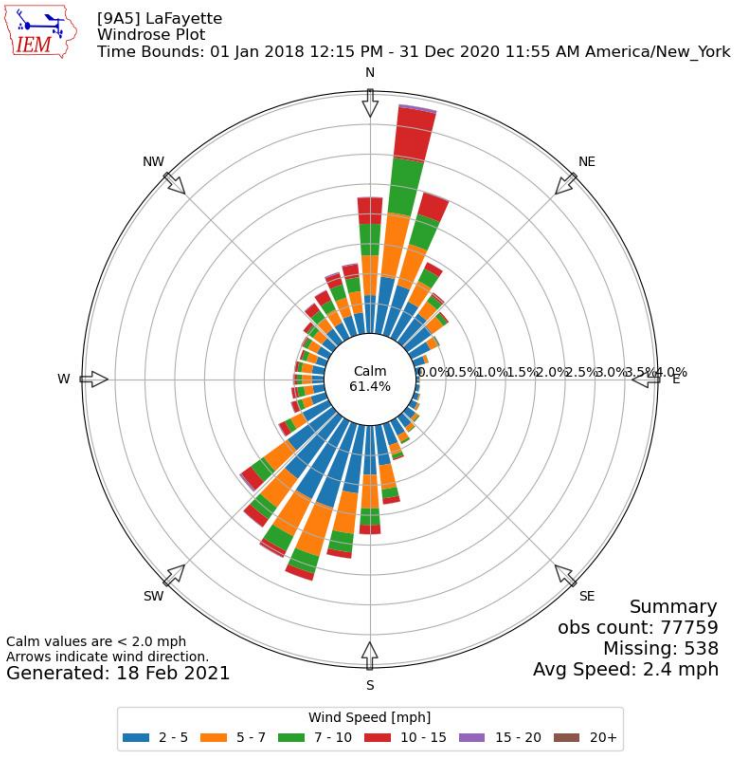
The air monitoring equipment was shut down at the end of July 2020 at the 601 Maple St. location and moved to the 301 Williams St. location. The GA AAMP will begin data collection Spring 2021. At the new location, $PM_{2.5}$ data will be monitored with a federal reference method (FRM) Partisol 2025 on a 1 in 3 day sampling schedule, as well as on a continuous basis with the federal

equivalent method (FEM) T640. $PM_{2.5}$ speciation data will be monitored with a URG and SASS on a 1 in 6 day schedule. Per EPA's request, a new AQS ID has been established at the new location. The new Rossville site ID will be 13-295-0004. Historical site data can be found in AQS under ID 13-295-0002, and the data will be linked for longer term calculations requiring both sites.

The distance between the two locations is 0.33 mile. In the picture below, the new site and the old site are marked, as well as the distance between them (yellow line).

The following 2018-2020 average wind roses were considered when selecting the new site in Rossville.

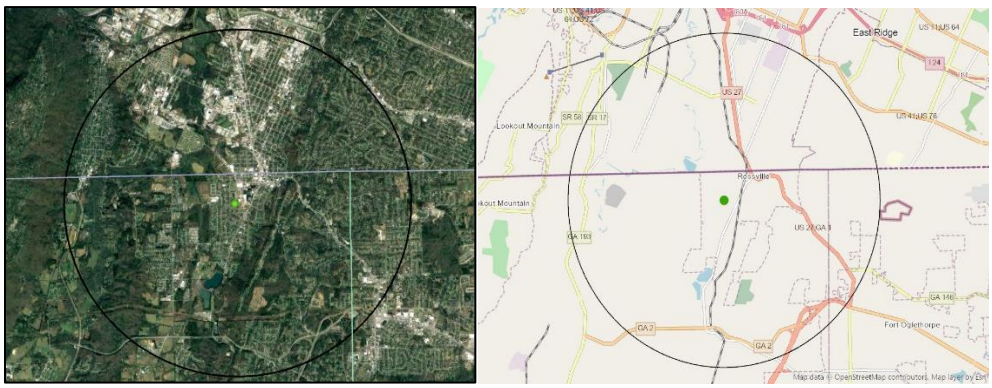




The photos below show the new Rossville-Williams St. monitoring station with new deck and fence installed by the publication of this document.

Preliminary measurements were made at the site to ensure that the sampler is at least 10 meters from any trees and that the sampler has 270º unobstructed fetch for wind flow, and indicate that the sampler meets the siting criteria in 40 CFR 58, Appendix E. The information below shows the site details for the new Rossville-Williams St. monitoring station.

Rossville-Williams St.



AQS ID: 132950004
Address: 301 Williams St., Rossville, Walker County, Georgia, 30741
Site Established: Spring 2021
Latitude/Longitude: N34.9784/W-85.2943

Elevation: 200 meters
Area Represented: Chattanooga, Tennessee-Georgia MSA
Site History: Established as $PM_{2.5}$ site

Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
$PM_{2.5}$	Population Exposure	Continuous	~2.9 m	Neighborhood	Spring 2021
$PM_{2.5}$	Population Exposure/ Regional Transport	Every 3 days	~2.2 m	Neighborhood	Spring 2021
$PM_{2.5}$ Speciation	Population Exposure	Every 6 days	~2.2 m	Neighborhood	Spring 2021

New directional site photos and exact probe inlet height measurements will be presented in the GA AAMP *2021 Ambient Air Monitoring Plan*.