# Addendum to the State of Alabama Ambient Air Monitoring 2018 Network Plan



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#### **FAIRHOPE**



AQS ID: 01-003-0010

Area Represented:

CBSA: Daphne-Fairhope-Foley CSA: Mobile-Daphne-Fairhope Air Quality Control Region: Mobile-Pensacola-Panama City-Southern Mississippi Urban Area: Mobile, AL

Address: Fairhope High School, 1 Pirate Drive, Fairhope, AL

Latitude/Longitude: 30.497478/-87.880258

Project Type: Source-Oriented

Ambient Surveillance

Site Established: 01/01/2000

Site Evaluation: 03/05/2018

Site History: Established as an air monitoring site 01/01/2000.







Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Ozone	Population Exposure	Continuous	4.87 m	Neighborhood	03/01/2000
PM 2.5	Population Exposure	Every 3 days	2.34 m	Neighborhood	01/01/2000

The nearest tree is approximately 13 meters tall and the dripline is 17 meters east of the shelter. The annual average daily traffic value is just under 15,760 on Highway 98. The air monitoring shelter is 500 meters from Highway 98 and 64 meters from the cul-de-sac of Gail Rowe Lane.

## **ASHLAND**



AQS ID: 01-027-0001

Area Represented:
Not in an MSA
Air Quality Control Region:
East Alabama

Urban Area: Anniston, AL

Address: Ashland Airport

Latitude/Longitude: 33.284928/-85.803608

Project Type: Population-Oriented Surveillance

Site Established: 03/25/1991

Site Evaluation: 12/05/2017

Site History: Established as an Ozone site. Ozone monitoring ended 11/01/2007. PM2.5 monitoring began 01/01/1999. This is a Regional Transport site for PM2.5.



Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
PM 2.5	Regional Transport	Every 3 days	2.1m	Regional	01/01/1999

The nearest tree is approximately 29 meters tall and the dripline is 37 meters west of the probe inlet.

# **MUSCLE SHOALS**



AQS ID: 01-033-1002

Area Represented:

CBSA: Florence-Muscle Shoals Air Quality Control Region: Tennessee River Valley-Cumberland Mountains Urban Area: Florence, AL

Address: Wilson Dam Road and

2<sup>nd</sup> Street

Latitude/Longitude: 34.762619/-87.638097

Project Type: Special Studies for Ozone and Source-Oriented Ambient Surveillance for PM2.5

Site Established: 03/01/2003

Site Evaluation: 05/30/2018

Site History: Established as a PM 2.5 monitoring site 01/01/1999 and added ozone monitoring 03/01/2003.









Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Ozone	Population Exposure	Continuous	3.9 m	Neighborhood	03/01/2003
PM 2.5	Highest Concentration	Every 3 days	2.1 m	Neighborhood	01/01/1999

The nearest tree is approximately 15 meters tall and the dripline is 36 meters northwest of the shelter. The annual average daily traffic value is 15,650 on  $2^{nd}$  Street and 26,740 on Wilson Dam Road. The air monitoring shelter is 400 meters from  $2^{nd}$  Street and 290 meters from Wilson Dam Road.

# **CROSSVILLE**



AQS ID: 01-049-1003

Area Represented: CBSA: Fort Payne, AL Air Quality Control Region: Tennessee River Valley-Cumberland Mountains Urban Area: None

Address: 13112 Highway 68, Crossville, Alabama 35962

Latitude/Longitude: 34.288567 /-85.969858

Project Type: Background

Surveillance

Site Established: 12/01/1998

Site Evaluation: 06/14/2018

Site History: This site is shared with the Sand Mountain Alabama Agricultural Experiment Station, owned by USEPA – Clean Air Markets Division, established 11/17/1988.









Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
PM 2.5	General/Background	Every 3 days	2.1m	Neighborhood	01/01/1999

The nearest tree is approximately 11.2 meters tall and the dripline is 23 meters northeast of the probe inlet.

# WETUMPKA WESTSIDE TECHNOLOGY PARK



AQS ID: 01-051-0004

Area Represented:
CBSA: Montgomery, AL
Air Quality Control Region:
Columbus-Phenix City

Urban Area: Montgomery, AL

Address: 3148 Elmore Road,

Wetumpka, AL

Latitude/Longitude: 32.535681/-86.255193

Project Type: Population-Oriented Surveillance

Site Established: 03/20/2018

Site Evaluation: 04/03/2018

Site History: Montgomery MSA Highest Concentration for Ozone has been monitored in the Wetumpka area since 01/01/1983. This new site will continue to monitor for ozone. It is located on property that has indefinite plans to become an industrial park. The industrial property located across the highway is no longer in operation.





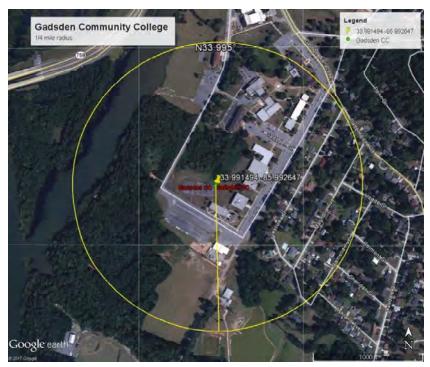




Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Ozone	Highest Concentration	Continuous	4.14m	Urban	03/20/2018

A wind break located between hay fields is located more than 20 meters east of the shelter. The tallest tree in that wind break is 17.2 meters tall and located 25.5 meters southeast of the probe inlet. The nearest tree is approximately 12 meters tall and the dripline is 23 meters east of the probe inlet. The most recent average annual daily traffic value is 11,980 on Elmore Road. The air inlet is 55 meters from Elmore Road. This site meets all requirements of 40 CFR Part 58.

#### GADSDEN C. COLLEGE



AQS ID: 01-055-0010

Area Represented: CBSA: Gadsden, AL Air Quality Control Region:

East Alabama

Urban Area: Gadsden, AL

Address: 1001 Wallace Drive,

Gadsden, AL

Latitude/Longitude: 33.991494/-85.992647

Project Type: Exposure Studies

Site Established: 01/01/2000

Site Evaluation: 05/22/2018

Site History: Established as a PM2.5 air monitoring site 01/01/2000. Collocation began 01/01/2009. The tennis courts next to the air monitors, still visible in the aerial photograph, were removed between 2012 and 2015 according to historical photographs on Google Earth Pro.





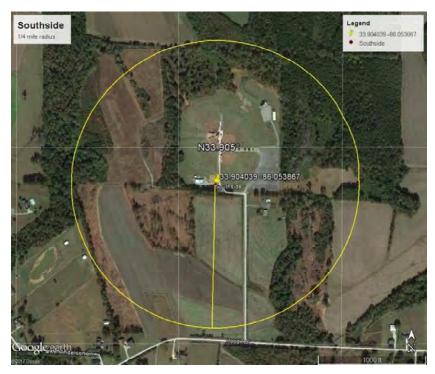




Parameter	Monitoring	Sampling	Probe Inlet	Spatial Scale	Begin Date
	Objective	Schedule	Height		
PM2.5	Population Exposure	Every 3 days	2.1m	Urban	01/01/2000
PM 2.5 BAM	Population Exposure	Continuous	2.1m	Urban	01/01/2015

The nearest trees are a hedge of mimosas, approximately 8 meters tall and the dripline is 9 meters north of the BAM and 11 meters north of the PM2.5 sequential sampler. The annual average daily traffic value is 27,710 on Interstate 759. The air monitoring shelter is 485 meters from Interstate 759 and 75 meters from College Drive. The PM2.5 sequential sampler meets all requirements of 40 CFR Part 58.

## **SOUTHSIDE**



AQS ID: 01-055-0011

Area Represented: CBSA: Gadsden Air Quality Control Region:

East Alabama

Urban Area: Gadsden, AL

Address: 1450 Parker Anderson Lane, Southside, AL 35907

Latitude/Longitude: 33.904039/-86.053867

Project Type: Population-Oriented Surveillance

Site Established: 04/26/2002

Site Evaluation: 05/22/2018

Site History: Established as an ozone site 04/26/2002.





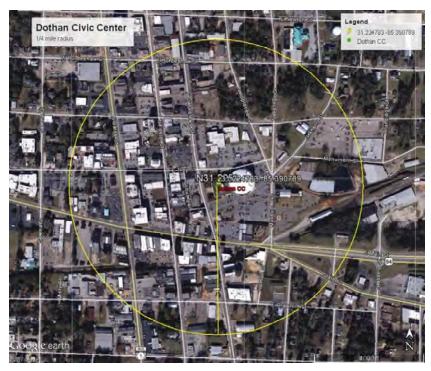




Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Ozone	Highest Concentration	Continuous	4.24m	Neighborhood	04/26/2002

The nearest tree is approximately 14.8 meters tall and the dripline is 12.5 meters south of the probe inlet. The most recent average annual daily traffic value is 14,380 on Lister Ferry Road. The air inlet is 30 meters from the unnamed road agricultural road and more than 1300 meters from Lister Ferry Road.

# **DOTHAN (CIVIC CENTER)**



AQS ID: 01-069-0003

Area Represented: CBSA: Dothan, AL

CSA: Dothan-Enterprise-Ozark Air Quality Control Region:

Southeast Alabama Urban Area: Dothan, AL

Address: 126 North St. Andrews

Street (Civic Center)

Latitude/Longitude: 31.224783/-85.390789

Project Type: Population-Oriented Surveillance

Site Established: 01/07/2005

Site Evaluation: 10/23/2017

Site History: Established as a PM2.5 site 01/07/2005.





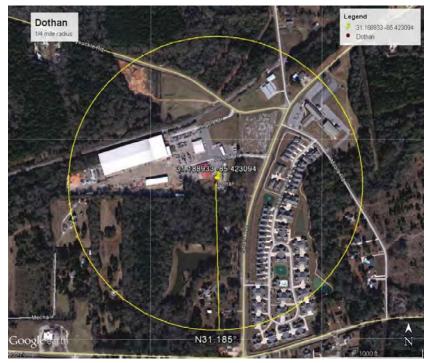




Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
PM 2.5	Highest Concentration	Every 3 days	13m	Neighborhood	01/07/2005

The monitor is located on the roof of the Dothan Civic Center.

# **DOTHAN**



AQS ID: 01-069-0004

Area Represented: CBSA: Dothan, AL

CSA: Dothan-Enterprise-Ozark Air Quality Control Region:

Southeast Alabama

Urban Area: Dothan, AL

Address: 161 Buford Lane

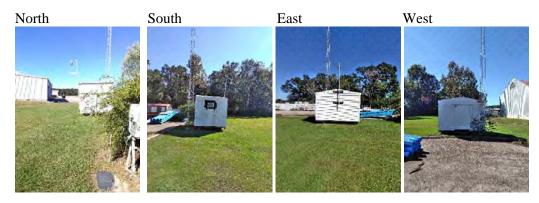
Latitude/Longitude: 31.188933/-85.423094

Project Type: Population-Oriented Surveillance

Site Established: 03/14/2005

Site Evaluation: 10/23/2017

Site History: Established as an Ozone site.



Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Ozone	Population Exposure	Continuous	4.28m	Neighborhood	03/14/2005

The nearest tree is approximately 29 meters tall and the dripline is 31 meters south of the probe inlet. A privet shrub, approximately 2 meters tall, located south of the shelter next to the power meter, should be cut back before it could be considered an obstacle. The air monitoring shelter is 110 meters from the nearest lane of S Park Avenue and over 1,000 meters from Highway 231 where the annual average daily traffic value is 31,480.

# **CHICKASAW**



AQS ID: 01-097-0003

Area Represented: CBSA: Mobile CSA: Mobile-Daphne-Fairhope Air Quality Control Region: Mobile-Pensacola-Panama City-Southern Mississippi Urban Area: Mobile, AL

Address: Iroquois and Azalea,

Chickasaw, AL

Latitude/Longitude: 30.770181/-88.087761

Project Type: Population-Oriented Surveillance

Site Established: 05/22/1974

Site Evaluation: 06/18/2018

Site History: Established as an air monitoring site 05/22/1974. Ozone and SO2 monitoring began 03/02/1982. PM 2.5 monitoring began 07/19/2002.









Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
SO2	Population Exposure	Continuous	4.13 m	Neighborhood	03/02/1982
Ozone	Population Exposure	Continuous	4.78 m	Neighborhood	03/02/1982
PM 2.5	Population Exposure	Every 3 days	2.1 m	Regional	07/19/2002
BAM PM 2.5	Other	Continuous	5.33 m	Regional	01/01/2011

The nearest tree is approximately 8.8 meters tall and the dripline is 14 meters west of the probe inlet. The annual average daily traffic value is just under 12,000 on Highway 43 and almost 71,000 on Interstate 65. The air monitoring shelter is 57 meters from the nearest lane of Iroquois Street, 34 mile from Highway 43 and 1/2 mile from Interstate 65. This site meets all requirements of 40 CFR Part 58.

# **BAY ROAD**



AQS ID: 01-097-2005

Area Represented: CBSA: Mobile

CSA: Mobile-Daphne-Fairhope Air Quality Control Region: Mobile-Pensacola-Panama City-

Southern Mississippi Urban Area: Mobile, AL

Address: Bay Road, Mobile, AL

Latitude/Longitude: 30.474305/-88.141022

Project Type: Population-Oriented Surveillance

Site Established: 01/01/1999

Site Evaluation: 03/05/2018

Site History: Established as a PM 2.5 site on 01/01/1999. Ozone monitoring began 03/01/1999. PM 2.5 monitoring ended 12/31/2011.









Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Ozone	Highest Concentration and Population Exposure	Continuous	3.0 m	Urban	01/01/1999

The nearest tree is approximately 13 meters tall and the dripline is 35 meters south of the probe inlet. The most recent average annual daily traffic value is 7,140. The air inlet is 30 meters from the unnamed road agricultural road and more than 200 meters from Bay Road.

## **MOMS, ADEM**



AQS ID: 01-101-1002

Area Represented:
CBSA: Montgomery
Air Quality Control Region:
Columbus-Phenix City

Urban Area: Montgomery, AL

Address: 1350 Coliseum Blvd,

Montgomery, AL

Latitude/Longitude: 32.412811/-86.263394

Project Type: Population-Oriented Surveillance

Site Established: 06/01/1993

Site Evaluation: 06/19/2018

Site History: PM2.5 monitors were relocated from RCC1 on 1/15/2009.









Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Ozone	Population Exposure	Continuous	4.04m	Neighborhood	06/02/1993
PM 2.5	Population Exposure	Every 3 days	4.74m	Neighborhood	01/16/2009
PM 2.5	Collocation	Every 6 days	4.74m	Neighborhood	01/16/2009
BAM PM 2.5	Other	Continuous	5.04m	Regional	02/01/2002
PM 10	Population Exposure	Every 6 days	2.3m	Neighborhood	01/01/2013
PM 10	Collocation	Every 6 days	2.3m	Neighborhood	01/01/2013

The nearest tree is approximately 11.6 meters tall and the dripline is 63 meters west of the probe inlet. The annual average daily traffic value is 28,560 on Northern Boulevard. The air monitoring shelter is 135 meters from Newell Parkway, 280 meters from Coliseum Boulevard and 2/3 mile from Northern Boulevard. This site meets all requirements of 40 CFR Part 58.

## **DECATUR**



AQS ID: 01-103-0011

Area Represented: CBSA: Decatur

CSA: Huntsville-Decatur-

Albertville, AL

Air Quality Control Region: Tennessee River Valley-Cumberland Mountains Urban Area: Decatur, AL

Address: Wallace Development

Center, Decatur, AL

Latitude/Longitude: 34.530717/-86.967536

Project Type: Population-Oriented Surveillance

Site Established: 04/01/2000

Site Evaluation: 05/31/2018

Site History: Established as an air monitoring site 04/01/2000. PM 2.5 collocation with a sequential sampler operated from 08/12/2002 to 06/01/2006.









Parameter	Monitoring	Sampling	Probe Inlet	Spatial Scale	Begin Date
	Objective	Schedule	Height		
Ozone	Population Exposure	Continuous	3.9 m	Urban	04/01/2000
PM 2.5	Population Exposure	Every 3 days	2.1 m	Middle	08/07/2001
BAM PM 2.5	Other	Continuous	5.2 m	Middle	01/01/2011

The nearest tree is approximately 11.6 meters tall and the dripline is 17.3 meters southwest of the probe inlet. The air monitoring shelter is 500 meters from Highway 31 where the annual average daily traffic value is 18,390. This site meets all requirements of 40 CFR Part 58.

#### **TROY LEAD**



AQS ID: 01-109-0003

Area Represented: CBSA: Troy, AL Air Quality Control Region: Columbus-Phenix City

Address: Henderson Road

Latitude/Longitude: 31.790479/-85.978974

Project Type: Source-Oriented

Ambient Surveillance

Site Established: 01/01/2009

Site Evaluation: 10/23/2017

Site History: Established to monitor lead in ambient air that may be generated from Sanders Lead Company across the street.









Parameter	Monitoring Objective	Sampling	Probe Inlet	Spatial Scale	Begin Date
		Schedule	Height		
Lead	Highest Concentration	Every 6 days	2.0 m	Neighborhood	01/01/2009
Lead	Collocation	Every 6 days	2.0m	Neighborhood	01/01/2009

The nearest tree is approximately 17 meters tall and the dripline is 11 meters west of the nearest probe inlet. The nearest tree in the direction of Sanders Lead emission stacks is approximately 15 meters tall and the dripline is 81 meters south of the nearest probe inlet. The average annual daily traffic value is 31,110 on Highway 231. The air inlets are 16 and 18 meters from S Three Notch St and 250 meters from Highway 231. This site meets all requirements of 40 CFR Part 58.

#### PHENIX CITY - SOUTH GIRARD SCHOOL



AQS ID: 01-113-0003

Area Represented:
CBSA: Columbus, GA-AL
CSA: Columbus-AuburnOpelika, GA-AL
Air Quality Control Region:
Columbus-Phenix City

Urban Area: Columbus, GA-AL

Address: 510 6<sup>th</sup> Place South, Phenix City, Alabama 36869

Latitude/Longitude: 32.437028/-84.999653

Project Type: Population-Oriented Surveillance

Site Established: 01/18/2017

Site Evaluation: 03/29/2018

Site History: This site is a consolidation of the particulate monitors that were located in downtown Phenix City and the ozone monitor that was located in Ladonia.









Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Ozone	Highest Concentration	Continuous	4.39m	Urban	03/01/2018
PM 2.5	Highest Concentration	Every 3 days	4.7m	Urban	01/18/2017
PM 2.5	Collocation	Every 3 days	4.7m	Urban	01/18/2017
PM2.5 BAM	Highest Concentration	Continuous	4.7m	Urban	09/18/2017
PM 2.5 Speciation	Population Exposure	Every 6 days	4.3m	Urban	06/12/2017
Speciation Carbon	Population Exposure	Every 6 days	4.67m	Urban	06/12/2017

The nearest tree is approximately 8 meters tall and the dripline is over 40 meters south of the probe inlets. The annual average daily traffic value is 33,540 on Highway 431. The air monitoring shelter is 120 meters from 6<sup>th</sup> Place S, 120 meters from 5<sup>th</sup> Avenue S and 1.3 miles from Highway 431. This site meets all requirements of 40 CFR Part 58.

## **HELENA**



AQS ID: 01-117-0004

Area Represented:

CBSA: Birmingham-Hoover CSA: Birmingham-Hoover-

Talladega

Air Quality Control Region: Metropolitan Birmingham Urban Area: Birmingham, AL

Address: Helena, Bearden Farm

Latitude/Longitude: 33.316900/-86.825000

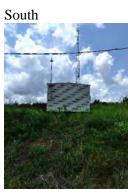
Project Type: Population-Oriented Surveillance

Site Established: 01/01/1983

Site Evaluation: 06/11/2018

Site History: Established as an Ozone site on 01/01/1983. NO2 was monitored from 09/11/1992 to 11/01/2001.









Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
Ozone	Population Exposure	Continuous	4.7m	Urban	01/01/1983

The nearest tree is approximately 9 meters tall and the dripline is 18 meters east of the probe inlet. The most recent average annual daily traffic value is 10,370 on Helena Road. The air inlet is 30 meters from Limestone Drive and more than 300 meters from Helena Road.

## **LHOIST, MONTEVALLO PLANT**



AQS ID: 01-117-9001

Area Represented:

CBSA: Birmingham-Hoover-CSA: Birmingham-Hoover-

Talladega

Air Quality Control Region: Metropolitan Birmingham Urban Area: Birmingham, AL

Address: 7444 Highway 25,

Calera, AL

Latitude/Longitude: 33.092800/-86.807200

Project Type: Source-Oriented

Ambient Surveillance

Site Established: 01/01/2017

Site Evaluation: 10/24/2017

Site History: Established as an SO2 site by Lhoist as a result of the Direct Reporting Rule and choosing monitoring over modeling.





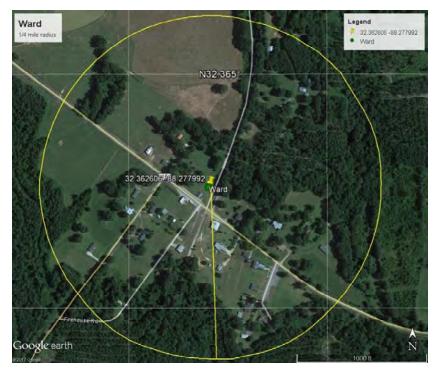




Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
SO2	Highest Concentration	Continuous	4.47 m	Middle	01/01/2017

The nearest tree is approximately 6 meters tall and the dripline is 18 meters southwest of the probe inlet. The most recent average annual daily traffic value is 6,320 and 8.290 on Highway 25. The air inlet is over 20 meters from Highway 25.

## WARD, SUMTER CO.



AQS ID: 01-119-0003

Area Represented: CBSA: Meridian, MS Air Quality Control Region: Metropolitan Birmingham

Address: NNE of Ward Post Office, Sumter Co., Alabama

Latitude/Longitude: 32.362606/-88.277992

Project Type: Background

Surveillance

Site Established: 03/01/2013

Site Evaluation: 06/15/2018

Site History: This site replaced the Gaston (Sumter) site when it became inaccessible due to logging.









Parameter	Monitoring	Sampling	Probe Inlet	Spatial Scale	Begin Date
	Objective	Schedule	Height		
Ozone	General/Background	Continuous	4.06m	Regional	03/01/2013
PM2.5 BAM	General/Background	Continuous	4.65m	Regional	01/01/2015
SO2	General/Background	Continuous	4.18m	Regional	01/04/2018

The nearest tree is approximately 18 meters tall and the dripline is 11.5 meters west of the probe inlet. The most recent average annual daily traffic value is 2,880 on Highway 17. The air inlet is 40 meters from Ward Road and 4 miles from Highway 17.

## **VA, TUSCALOOSA**



AQS ID: 01-125-0004

Area Represented: CBSA: Tuscaloosa, AL Air Quality Control Region: Metropolitan Birmingham Urban Area: Tuscaloosa, AL

Address: 3701 Loop Road East

Latitude/Longitude: 33.189931/-87.484189

Project Type: Population-Oriented Surveillance

Site Established: 10/01/2002

Site Evaluation: 12/12/2017

Site History: Established as a PM2.5 air monitoring site 10/01/2002. Collocation began 08/01/2009.









Parameter	Monitoring Objective	Sampling Schedule	Probe Inlet Height	Spatial Scale	Begin Date
PM2.5	Population Exposure	Every 3 days	2.1m	Neighborhood	10/01/2002
PM 2.5 BAM	Population Exposure	Continuous	2.2m	Neighborhood	08/01/2009

The nearest tree is approximately 12 meters tall and the dripline is 14 meters south of the nearest monitor. The annual average daily traffic value is 17,010 on Veterans Memorial Parkway. The air monitors are 46 meters from Loop Road East and 600 meters from Veterans Memorial Parkway.

# **DUNCANVILLE**



AQS ID: 01-125-0010

Area Represented: CBSA: Tuscaloosa Air Quality Control Region: Metropolitan Birmingham Urban Area: Tuscaloosa, AL

Address: 11690 Southfork

Drive, Duncanville

Latitude/Longitude: 33.089772/-87.459733

Project Type: Population-Oriented Surveillance

Site Established: 02/01/2001

Site Evaluation: 12/17/2017

Site History: Established as an Ozone site on 02/01/2001.



Parameter	Monitoring Objective	Sampling	Probe Inlet	Spatial Scale	Begin Date
		Schedule	Height		
Ozone	Population Exposure	Continuous	4.29 m	Urban	02/01/2001

The nearest tree is approximately 9 meters tall and the dripline is 32 meters southwest of the probe inlet. The most recent average annual daily traffic value is 9,000. The air inlet is 72 meters from S Loop Road and more than 200 meters from Highway 82.