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SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF ENVIRONMENTAL ASSESSMENT

June 30, 2017

Mr. Guy Donaldson
Associate Director for Air Programs
USEPA Region 6, 6MM
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

RE: Louisiana 2017 Annual Monitoring Network Plan

Dear Mr. Donaldson:

Attached is the 2017 Louisiana Annual Monitoring Network Plan, submitted per 40 CFR, Part 58, Subpart B. On May 17, 2017, this plan was placed on 30-day public notice on the Louisiana Department of Environmental Quality's public website. No comments were received as of June 22, 2017.

Five new sulfur dioxide monitors began operation during the previous year. The 2016 Plan, submitted last year, had initially proposed up to two sites for each of nine locations. Subsequent modeling results demonstrated that no monitoring was required at four locations and that only one site was needed at the remaining five locations. EPA concurred with these findings.

We continue PAMS monitoring at two sites in the Baton Rouge area that is now recognized as in attainment for ozone and look forward to continued discussions regarding future $PM_{2.5}$ Chemical Speciation in an area that could provide critical data for the state of Louisiana.

If you have any questions please do not hesitate to contact me at 225-219-3408 or Bob Bailey at 225-219-3991.

Sincerely,

Donald Trahan

Donald Trahan, Administrator
Air Planning and Assessment Division

jsz

Enclosure: 2017 Louisiana Annual Monitoring Network Plan

2017
Louisiana Annual Monitoring Network Plan

Louisiana Department of Environmental Quality
Office of Environmental Assessment
Air Planning and Assessment Division

June 30, 2017

The Louisiana Department of Environmental Quality (LDEQ) maintains its ambient air monitoring network in accordance with the quality assurance requirements of 40 CFR Part 58, Appendix A and B, utilizes the methodology provided for each monitor in accordance with Appendix C, designs its network in accordance with Appendix D, and locates its sites to meet all requirements of Appendix E. The Louisiana Annual Monitoring Network Plan that follows covers the fiscal year of July 2017 through June 2018 with knowledge gained as of May 2017.

LDEQ's Air Field Services section operates State and Local Ambient Monitoring Stations (SLAMS), Photochemical Assessment Monitoring Stations (PAMS), Special Purpose Monitoring Stations (SPMS), and a National Core Network (NCore) Ambient Air Monitoring Station as a requirement of the Code of Federal Regulations (CFR), Title 40, Part 58. These stations measure ambient air concentrations of those pollutants for which standards have been established in 40 CFR Part 50. Data acquired from the stations are submitted into the EPA's Air Quality System (AQS) where it is compared to the National Ambient Air Quality Standards (NAAQS). Access to this information is available through EPA's website (www.epa.gov). Conformance of the network to 40 CFR 58 Appendix D (Network Design Criteria) and Appendix E (Probe and Path Siting Criteria) is determined using an Annual Review of the air quality surveillance system, as required for each state in 40 CFR 58.10. The location for this ruling is available in Docket ID No. EPA-HQ-OAR-2004-0018 in the http://www.regulations.gov index. The review is also used to ensure that the network is continuing to meet the objectives of the air monitoring program. The three basic objectives of the air monitoring program follow:

1. Provide air pollution data to the general public in a timely manner. Data can be presented to the public in a number of different ways including through air quality maps, newspapers, internet sites, and as a part of weather forecasts and public advisories.
2. Support compliance with ambient air quality standards and emissions strategy development. Data from the monitors for National Ambient Air Quality Standards (NAAQS) pollutants will be used for comparing an area's air pollution levels against the NAAQS. Data of various types can be used in the development of attainment and maintenance plans. Data can also be used to track trends to determine the impact of air pollution abatement control measures on improving air quality. In monitoring locations near major air pollution sources, source-oriented monitoring data can provide insight into how well industrial sources are controlling their pollutant emissions.
3. Support for air pollution research studies such as health effects assessments.

This review has several goals:

- Determine if the network requires any modifications to continue to meet its monitoring objective and data needs (through termination of existing stations, relocation of stations, or establishment of new stations); and
- Investigate ways to improve the network to ensure that it provides adequate, representative, and useful air quality data.

Monitoring Plans for July 2017-June 2018

Under EPA's NCore design guidelines, the state of Louisiana is required to operate one NCore level 2 site, which is the Capitol site. The remaining sites in the state will all be PAMS, SLAMS, Speciation Trends Network (STN), or SPMs. Table A summarizes number and type of monitors located in each Metropolitan Statistical Area (MSA) population. Table B lists specific information about analytes monitored at each site and the MSA covered by this location. Finally, Table C lists information regarding the PAMS network. The PAMS network plan exceeds the monitoring requirements with the air monitoring stations at Capitol (AQS# 22-033-0009) and Dutchtown (AQS# 22-005-0004) as PAMS sites.

Summary of Changes since May 20, 2016

LDEQ requested permission from Region 6 to relocate the Hahnville TAMS monitoring site to the Kenner air monitoring site (AQS #22-0511-001) in a letter dated April 21, 2016. USEPA Region 6 responded with a letter of approval on May 24, 2016, stating that even though the Hahnville monitor is not a federally-required or federally-funded air monitor and that LDEQ has complete discretion on the location and operation of this air monitor, EPA agreed that the move of this monitor would be beneficial to the network. The last run of the VOC sampler at the Hahnville site was on 7/29/16 and was immediately set up at the Kenner site, where its first run was on 8/4/2016.

Near-Road Monitoring

Baton Rouge, LA MSA

- Following air quality data review showing nitrogen dioxide (NO_2) emission levels far below the NO_2 national ambient air quality standards (NAAQS), EPA announced plans to end near-road NO_2 emissions monitoring requirements for smaller cities. On December 30, 2016, EPA issued a final rule in regards to the second phase of Near-road NO_2 monitoring. The location for this ruling is available in Docket ID No. EPA-HQ-OAR-2015-0486-0025 in the http://www.regulations.gov index
- This action finalized revisions to the minimum monitoring requirements for near-road nitrogen dioxide (NO_2) by removing the existing requirements for near-road NO_2 monitoring stations in Core Based Statistical Areas (CBSAs) having populations between 500,000 and 1,000,000 persons, that were due by January 1, 2017.
- Accordingly, and with the concurrence of EPA Region 6, LDEQ has discontinued planning activities for this site.

Sulfur Dioxide (SO2)

In response to the Sulfur Dioxide Data Requirements Rule published on August 21, 2015, LDEQ and the facilities involved have set up five (5) air monitoring sites near Sulfur Dioxide emitting facilities. A detailed table of these SO_2 air monitoring sites can be

found in Table B.1. The 2016 Plan, submitted last year, had initially proposed up to two sites for each of nine locations. Subsequent modeling results demonstrated that no monitoring was required at four locations and that only one site was needed at the remaining five locations. EPA concurred with these findings.

There has been one fence line monitor established near each facility located in areas of high concentration and/or high frequency. These locations were determined from modeling done according to the Source-Oriented Sulfur Dioxide (SO2) Monitoring Technical Assistance Document (February 2016 Draft), Appendix W of 40 CFR Part 51, meeting the requirements of Appendix E of 40 CFR Part 58, and with approval from EPA. As of January 1, 2017, LDEQ began operation of the Addis and Oxbow sites while contractors for the facilities began running the Rain CII in Norco and Gramercy and the Reynolds monitors. LDEQ will take over operations of all sites beginning July 1, 2017. These SO_2 emitting facilities are listed below, along with the established date and the date that data collection began at their respective fence line ambient air monitor:

- Oxbow Calcining LLC Baton Rouge Calcined Coke Plant-East Baton Rouge Parish, monitor AQS #22-033-0015, established 1/1/17 with data collection beginning 1/11/2017
- Sid Richardson Carbon Company Addis Plant- West Baton Rouge Parish, monitor AQS #22-121-0002, established 1/1/17 with data collection beginning 1/9/17
- Rain CII Carbon LLC Norco Coke Plant- St. Charles Parish, monitor AQS #22-089-0006, established 1/1/17 with data collection beginning 1/14/2017
- Rain CII Carbon LLC Gramercy Coke Plant- St. James Parish, monitor AQS # 22-093-0003, established 1/1/17 with data collection beginning 1/12/2017
- Reynolds Metals Co Lake Charles Carbon Co- Calcasieu Parish, monitor AQS #22-019-0011, established 1/1/17 with data collection beginning 1/1/2017

Additional Information

PM 2.5 Speciation

Shreveport – Bossier City LA MSA

- EPA's Office of Air Quality Planning and Standards assessment of the chemical speciation network (CSN) found that the PM2.5 supplemental speciation at the Shreveport Airport site (AQS #22-015-0008) was among the low scoring sites in the CSN assessment and could be discontinued. LDEQ discontinued the supplemental speciation at the Shreveport Airport site with a final filter run date of March 19, 2016 and a final verification date of March 23, 2016. LDEQ has requested guidance from the region regarding entering the end date in AQS due to the complexity of speciation data in AQS and is awaiting a response from the Region.

LDEQ will collaborate with EPA on future monitoring in an area that could provide critical data for the state of Louisiana.

LDEQ plans to continue monitoring at the following sites:

- Baker Lead (Pb) site (AQS # 22-033-0014) will continue operation until the demolition and remediation activities at the nearby Exide recycle site are completed and LDEQ will keep EPA informed of the status. Any future request for a system modification under 40 CFR 58.14 will be submitted to the Region along with the appropriate technical analysis for any future planned discontinuation of the monitor.
- Continue to operate the Vinton (AQS #22-019-0009) PM2.5 FRM due to the proximity of industry in the area to provide oversight of ambient air conditions in this industrial area.
- Continue to operate PM2.5 FRM at Alexandria (AQS #22-079-0002) for regional background.
- Continue to operate the ozone monitor at the Monroe site (AQS #22-073-0004) to maintain ozone monitoring coverage for the Northeast regional area.
- Continue to operate the PM2.5 FRM monitor at Geismar (AQS # 22-047-0009) due to the proximity of industry in the area to provide oversight of ambient air conditions in this industrial area.

In the event of projected budget cuts for fiscal year 2017/2018, LDEQ and EPA will work closely to minimize the impact of the cuts and to ensure continued public health.

Table A. Type and Number of Monitors Per Metropolitan Statistical Area (MSA)

MSA/CSA Population[1]	MSA	Number of Monitors Currently Required	Number of Existing Monitors	Proposed Network
1,000,000-4,000,000	*New Orleans*			
	Ozone	2	5	5
	Nitrogen Oxides	2	2	2
	Sulfur Dioxide	1	4	4
	Carbon Monoxide	1	1	1
	PM2.5 FRM	2	4	4
	PM2.5 Continuous	2	4	4
	PM10	2-4	2	2
	Lead	1	1	1
350,000-1,000,000	*Baton Rouge*			
	Ozone	6	9	9
	Nitrogen Oxides	4	6	6
	Trace Level reactive Nitrogen Oxides; NOy	2	2	2
	Sulfur Dioxide	1	3	3
	Trace Level Sulfur Dioxide	1	1	1
	PM2.5 FRM	1	3	3
	PM2.5 Speciation	1	1	1
	PM2.5 Continuous	1	2	2
	PM10	1-2	1	1
	PM Coarse	1	1	1
	Lead	1	2	2
	Carbon Monoxide	0	0	0
	Trace Level Carbon Monoxide	1	1	1
	PAMS	0	2	2

[1]Metropolitan Statistical Area, July 1, 2015, United States Census Bureau
http://louisiana.gov/Explore/Estimates/

Table A. (cont.)

MSA/CSA Population[1]	MSA	Number of Monitors Currently Required	Number of Existing Monitors	Proposed Network
350,000-1,000,000	*Shreveport*			
	Ozone	2	2	2
	Sulfur Dioxide	1	1	1
	PM2.5 FRM	0	1	1
	PM2.5 Continuous	1	1	1
	PM2.5 Speciation	0	0	0
	PM10	0-1	1	1
350,000-1,000,000	*Lafayette*			
	Ozone	2	2	2
	PM2.5 FRM	1	1	1
	PM2.5 Continuous	1	1	1
	PM10	1-2	1	1
50,000-350,000	*Lake Charles*			
	Ozone	1	2	2
	Nitrogen Oxides	1	1	1
	Sulfur Dioxide	1	2	2
	PM2.5 FRM	0[2]	1	1
	PM2.5 Continuous	0	1	1
50,000-350,000	*Alexandria*			
	PM2.5 FRM	0[2]	1	1
	PM2.5 Continuous	0	0	0
	Ozone	0	0	0

[1]Metropolitan Statistical Area, July 1, 2015, United States Census Bureau
http://louisiana.gov/Explore/Estimates/
[2]No monitor required based on most recent 3-year design value <85% of NAAQS

Table A. (cont.)

MSA/CSA Population[1]	MSA	Number of Monitors Currently Required	Number of Existing Monitors	Proposed Network
50,000-350,000	*Monroe*			
	Ozone	0	1	1
	Sulfur Dioxide	0	0	0
	PM2.5 FRM	0[2]	1	1
	PM2.5 Continuous	0	0	0
50,000-350,000	*Houma / Thibodaux*			
	Ozone	1	1	1
	PM2.5 FRM	0[2]	1	1
	PM2.5 Continuous	0	1	1
50,000-350,000	*Hammond –FRM*	1	1	1

[1]Metropolitan Statistical Area, July 1, 2015, United States Census Bureau
http://louisiana.gov/Explore/Estimates/
[2]No monitor required based on most recent 3-year design value <85% of NAAQS

Table B. Site Specific Monitor Information

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Alexandria 22-079-0002	8105 Tom Bowman Dr	Lat = 31.177660 Long = -92.410600	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	General Background	Regional	Yes	Alexandria
Baker LSP 22-033-0014	1400 West Irene Rd	Lat = 30.593966 Long = -91.251946	Lead	SLAMS	Gravimetric	Every 6th day	Source Oriented	Neighbor-hood	Yes	Baton Rouge
Capitol 22-033-0009	1061-A Leesville Ave.	Lat = 30.461981 Long = -91.179219	PM2.5	SLAMS NCORE	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every day	High Pop. Density	Neighbor-hood	Yes	Baton Rouge
			PM2.5	SLAMS	Sequential FRM (Collocated) R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 12th day	High Pop. Density		Yes	
			PM2.5	SLAMS NCORE	Continuous BAM 1020 Meth. Code: 170	Continuous	High Pop. Density		Yes	
			PM10	SLAMS	Continuous BAM 1020 Meth. Code: 122	Continuous	High Pop. Density		Yes	
			PM2.5	STN NCORE	Chemical Speciation SASS Teflon Gravimetric, Meth. Code 810 URG 3000N Meth. Code 839	24 hrs every 3rd day	High Pop. Density		No	
			SO_2 Trace-Level	SLAMS NCORE	U.V. Fluorescence	Continuous	High Pop. Density		Yes	
			Ozone	SLAMS NCORE	U.V. Absorption	Continuous	High Pop. Density		Yes	

Table B. Site Specific Monitor Information (cont.)

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Capitol (cont.)	1061-A Leesville Ave.	Lat = 30.461981 Long = -91.179219	CO Trace-Level	PAMS NCORE	Nondispersive Infrared	Continuous	High Pop. Density	Neighbor-hood	No	Baton Rouge
			NOx	SLAMS NCORE	Chemilumin-escence	Continuous	High Pop. Density RA40		Yes	
			NOy Trace-Level	PAMS NCORE	Chemilumin-escence	Continuous	High Pop. Density		No	
			VOC	PAMS SLAMS	Canisters; Trigger Canisters	8 3-hr samples daily during ozone season and every 6th day otherwise, also 24 hrs every 6th day; 25 min when triggered	High Pop. Density		No	
			Lead	SLAMS NCORE	Gravimetric	Every 6th day	High Pop. Density		Yes	
			PM Coarse	SLAMS NCORE	Continuous BAM 1020 Meth. Code: 185	Continuous	High Pop. Density		No	
LSU 22-033-0003	East End Aster Lane	Lat = 30.419805 Long = -91.182016	Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration	Middle	Yes	Baton Rouge
Bayou Plaquemine 22-047-0009	65180 Belleview Rd.	Lat = 30.221021 Long = -91.315297	Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration	Neighbor-hood	Yes	Baton Rouge
			NOx	SLAMS	Chemilumin-escence	Continuous	High Pop. Density		Yes	
			NOy Trace-Level	SLAMS	Chemilumin-escence	Continuous	High Pop. Density		No	
Carlyss 22-019-0002	Hwy 27 & Hwy 108	Lat= 30.140031 Long = -93.368268	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Lake Charles
Carville 22-047-0012	Hwy 141	Lat= 30.203817 Long = -91.117269	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Regional	Yes	Baton Rouge

Table B. Site Specific Monitor Information (cont.)

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Convent 22-093-0002	St. James Courthouse Hwy 44 @ Canatella	Lat = 29.994729 Long = -90.817308	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	New Orleans
Dixie 22-017-0001	Haygood Rd.	Lat = 32.683197 Long = -93.861382	Ozone	SLAMS	U.V. Absorption	Continuous	High	Urban	Yes	Shreveport
Dutchtown 22-005-0004	11153 Kling Rd.	Lat = 30.229419 Long = -90.965517	Ozone	PAMS SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Baton Rouge
			NOx	PAMS SLAMS	Chemilumin-escence	Continuous	General Background		Yes	
			VOC	PAMS SLAMS	Canisters; Trigger Canisters	4 3-hr cans every 3rd day ozone season and 8 3-hr cans every 6th day, 24 hour canister once every 6th day otherwise 25 min when triggered	Population Oriented		No	
French Settlement 22-063-0002	16627 Perrilloux Ln @ Hwy 16	Lat = 30.315175 Long = -90.811276	NOx	SLAMS	Chemilumin-escence	Continuous	High Concentration General Background	Neighbor-hood	Yes	Baton Rouge
			Ozone	SPMS	U.V. Absorption	Continuous	High Concentration General Background		Yes	
			PM2.5	SPMS	Continuous TEOM Series1400a Meth. Code: 715	Continuous	General Background		No*	

* PM2.5 Continuous monitor used for AQI reporting purposes only.

Table B. Site Specific Monitor Information (cont.)

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Garyville 22-095-0002	152 Anthony F. Monica St.	Lat = 30.057276 Long = -90.619185	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Regional	Yes	New Orleans
Geismar 22-047-0005	Hwy 75	Lat = 30.218867 Long = -91.062438	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	High Pop. Density	Neighbor-hood	Yes	Baton Rouge
Hammond 22-105-0001	21549 Old Covington Hwy	Lat = 30.503061 Long = -90.377118	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	High Pop. Density	Neighbor-hood	Yes	Hammond
			PM2.5	SLAMS	Sequential FRM (Collocated) R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 12th day	High Pop. Density		Yes	
Houma 22-109-0001	4047 West Park Ave. @ Hwy 24	Lat = 29.679051 Long = -90.779626	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	High Pop. Density	Neighbor-hood	Yes	Houma/ Thibodaux
Kenner 22-051-1001	100 West Temple Pl.	Lat = 30.040998 Long = -90.272735	NOx	SLAMS	Chemilumin-escence	Continuous	High Pop. Density Area-wide	Urban	Yes	New Orleans
			Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration		Yes	
			PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	Every 6th day	High Pop. Density		Yes	
			PM2.5	SPMS	Continuous TEOM Series1400a Meth. Code: 715	Continuous	High Pop. Density		No*	

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Table B. Site Specific Monitor Information (cont.)

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Lafayette USGS 22-055-0007	700 Cajundome Blvd.	Lat = 30.225877 Long = -92.042766	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	High Pop. Density	Neighbor-hood	Yes	Lafayette
			PM2.5	SPMS	Continuous BAM 1020 Meth. Code: 170	Continuous	High Pop. Density		No*	
			PM10	SLAMS	Continuous BAM 1020 Meth. Code: 122	Continuous	High Pop. Density		Yes	
			Ozone	SLAMS	U.V. Absorption	Continuous	High Pop. Density		Yes	
LaPlace 22-095-0003	115 Garden Grove	Lat = 30.040961 Long = -90.466783	Lead	SLAMS	Gravimetric	Every 6th day	Source Oriented	Middle	Yes	New Orleans
			Lead	SLAMS	Gravimetric (Collocated)	Every 12th day			Yes	
Madisonville 22-103-0002	1421 Hwy 22 West	Lat = 30.429381 Long = -90.199678	Ozone	SLAMS	U.V. Absorption	Continuous	Source Oriented	Neighbor-hood	Yes	New Orleans
			PM2.5	SPMS	Continuous TEOM Series1400a Meth. Code: 715	Continuous	Source Oriented		No*	
Marrero 22-051-2001	Patriot St. & Allo St.	Lat = 29.883041 Long = -90.089874	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	High Pop. Density	Neighbor-hood	Yes	New Orleans

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Table B. Site Specific Monitor Information (cont.)

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Meraux 22-087-0004	4101 Mistrot Drive	Lat = 29.939614 Long = -89.923883	Ozone	SPMS	U.V. Absorption	Continuous	General Background	Urban	Yes	New Orleans
			SO2	SPMS	U.V. Fluorescence	Continuous	General Background		Yes	
			H2S	SPMS	U.V. Fluorescence	Continuous	General Background		No	
Monroe 22-073-0004	5296 Southwest Rd.	Lat = 32.509789 Long = -92.046050	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	General Background	Neighbor-hood	Yes	Monroe
			Ozone	SLAMS	U.V. Absorption	Continuous	General Background		Yes	
New Orleans City Park 22-071-0012	Florida & Orleans Ave.	Lat = 29.993278 Long = -90.101464	PM2.5	SPMS	Continuous TEOM Series1400a Meth. Code: 715	Continuous	High Pop. Density	Neighbor-hood	No*	New Orleans
			PM10	SLAMS	Continuous BAM 1020 Meth. Code: 122	Continuous	High Pop. Denisty		Yes	
New Orleans Near-Road 22-071-0021	I610 at West End Blvd.	Lat = 29.996013 Long = -90.118190	NOx	SLAMS	Chemilumin-escence	Continuous	High Concentration	Micro-scale	Yes	New Orleans
			CO	SLAMS	Gas Filter Correlation	Continuous	High Concentration			
			PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	High Concentration			
New Roads 22-077-0001	Hwy 415	Lat = 30.681718 Long = -91.366247	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Baton Rouge

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Table B. Site Specific Monitor Information (cont.)

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Port Allen 22-121-0001	1005 Northwest Drive	Lat = 30.500642 Long = -91.213556	SO2	SLAMS	U.V. Fluorescence	Continuous	High Concentration	Neighbor-hood	Yes	Baton Rouge
			PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every day	High Concentration		Yes	
			Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration		Yes	
			NOx	SLAMS	Chemilumin-escence	Continuous	High Concentration		Yes	
Pride 22-033-0013	11245 Port Hudson Pride Rd.	Lat = 30.700895 Long = -91.056068	NOx	SLAMS	Chemilumin-escence	Continuous	High Concentration	Neighbor-hood	Yes	Baton Rouge
			Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration		Yes	
Shreveport Airport 22-015-0008	1425 Airport Dr.	Lat = 32.536273 Long = -93.748940	Ozone	SLAMS	U.V. Absorption	Continuous	High Pop. Density	Neighbor-hood	Yes	Shreveport
			PM2.5	SPMS	Continuous TEOM Series1400a Meth. Code: 715	Continuous	General Background		No*	
			PM10	SLAMS	Continuous BAM 1020 Meth. Code: 122	Continuous	High Pop. Density		Yes	
			SO2	SLAMS	U.V. Fluorescence	Continuous	High Pop. Density		Yes	

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Table B. Site Specific Monitor Information (cont.)

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Shreveport Calumet 22-017-0008	Midway St.	Lat = 32.471494 Long = -93.795069	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	High Pop. Density	Neighbor-hood	Yes	Shreveport
			PM2.5	SLAMS	Sequential FRM (Collocated) R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 12th day	High Pop. Density		Yes	
St. Martinville 22-099-0001	1178 W.J. Bernard Road	Lat: 30.088872 Long = -91.869595	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Lafayette
Thibodaux 22-057-0004	194 Thorough-bred Park Dr.	Lat = 29.764425 Long = -90.765563	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Houma/ Thibodaux
			PM2.5	SPMS	Continuous TEOM Series1400a Meth. Code: 715	Continuous	General Background		No*	
Vinton 22-019-0009	2284 Paul Bellow Rd.	Lat = 30.227567 Long = -93.579778	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	Regional Transport	Neighbor-hood	Yes	Lake Charles
			Ozone	SPMS	U.V. Absorption	Continuous	General Background		Yes	
Westlake 22-019-0008	2646 John Stine Rd.	Lat = 30.262347 Long = -93.284906	SO2	SLAMS	U.V. Fluorescence	Continuous	High Pop. Density	Neighbor-hood	Yes	Lake Charles
			PM2.5	SPMS	Continuous TEOM Series1400a Meth. Code: 715	Continuous	High Pop. Density		No*	
			NOx	SLAMS RA40	Chemilumin-escence	Continuous	High Pop. Density RA40		Yes	

* PM2.5 Continuous monitor used for AQI reporting purposes only.

Table B. Site Specific Monitor Information (cont.)

Special Purpose Monitors										
Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Chalmette Vista 22-087-0007	24 E. Chalmette Circle	Lat = 29.943164 Long = -89.976250	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 6th day	Source Oriented	Neighbor-hood	Yes	New Orleans
			PM2.5	SPMS	Continuous BAM 1020 Meth. Code: 170	Continuous	Source Oriented		No*	
			PM10	SLAMS	Continuous BAM 1020 Meth. Code: 122	Continuous	Source Oriented		Yes	
			SO_2	SLAMS	U. V. Fluorescence	Continuous	Source Oriented		Yes	
			H2S	SPMS	U.V. Fluorescence	Continuous	Source Oriented		No	

* PM2.5 Continuous monitor used for AQI reporting purposes only.

Table B.1 Additional SO2 Sites Per the 2010 SO2 Data Requirements Rule

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Addis 22-121-0002	End of Sid Richardson	Lat= 30.327723 Long = -91.284108	SO2	SPMS	U.V. Fluorescence	Continuous	Source Oriented	Neighbor-hood	Yes	Baton Rouge
Gramercy 22-093-0003	1140 E. Jefferson Hwy, Gramercy, LA 70052	Lat= 30.052636 Long = -90.670016	SO2	SPMS	U.V. Fluorescence	Continuous	Source Oriented	Neighbor-hood	Yes	New Orleans
Oxbow 22-033-0015	1845 Brooklawn Drive	Lat= 30.577778 Long = -91.235417	SO2	SPMS	U.V. Fluorescence	Continuous	Source Oriented	Neighbor-hood	Yes	Baton Rouge
Norco 22-089-0006	Field across from 35 Goodhope Road, Norco, LA	Lat= 29.997696 Long = -90.411095	SO2	SPMS	U.V. Fluorescence	Continuous	Source Oriented	Neighbor-hood	Yes	New Orleans
Reynolds 22-019-0011	8220 Big Lake Road Lake Charles, LA 70662	Lat= 30.103517 Long = -93.285319	SO2	SPMS	U.V. Fluorescence	Continuous	Source Oriented	Neighbor-hood	Yes	Lake Charles

Table C. PAMS Network Plan

Site Name	Site Type	Pollutant	Sampling Frequency	Sampling Period
Capitol 22-033-0009	2	Speciated VOC	Eight 3-hr canisters daily (0000, 0300, 0600, 0900, 1200, 1500, 1800, 2100 LST); One 24-hour canister every 6th day	May-September
		TNMOC	Hourly	January-December
		NO, NO_2, NO_x	Hourly	January-December
		NOy	Hourly	January-December
		CO (ppb level)	Hourly	January-December
		Ozone	Hourly	January-December
		SO_2 (low level)	Hourly	January-December
		Wind Speed*	Hourly	January-December
		Wind Direction*	Hourly	January-December
		Temperature	Hourly	January-December
		Relative Humidity	Hourly	January-December
		UV Radiation	Hourly	January-December
		Barometric Pres.	Hourly	January-December
		Solar Radiation	Hourly	January-December
		Precipitation	Hourly	January-December
		PM10	Hourly	January-December
		PMCoarse	Hourly	January-December
		PM2.5	Hourly	January-December
		Mixing Height	Hourly	January-December
		Lead	Every 6 Days	January-December
Site Name	Site Type	Pollutant	Sampling Frequency	Sampling Period
Dutchtown 22-005-0004	1/3	Speciated VOC	Four 3-hr cans every 3 days (i.e. 0300-0600, 0600-0900, 1500-1800, 1800-2100 LST) ; One 24-hour canister every 6th day	May-September
		NO, NO_2, NO_x	Hourly	January-December
		Ozone	Hourly	January-December
		Wind Speed*	Hourly	January-December
		Wind Direction*	Hourly	January-December

*Wind speed and direction reported to AQS as resultant wind speed and resultant wind direction
Site pictures can be found at http://www.deq.louisiana.gov/page/air-monitoring-sites by clicking on the desired location on the site map.