BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF ENVIRONMENTAL COMPLIANCE

July 8, 2014

Mr. Mark Hansen
Acting Associate Director for Air Programs
USEPA Region 6-6PDQ
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

RE: Louisiana 2014 Ambient Air Annual Network Assessment

Dear Mr. Hansen:

Attached is the 2014 Louisiana Annual Network Assessment, submitted per 40 CFR, Part 58, Subpart B. On June 4, 2014, 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 July 4, 2014.

LDEQ is currently in the process of negotiating a lease for the new Lafayette area ozone monitor. The Department is also in the process of completing setup of the New Orleans Near Road site. The site currently monitors for NO_x, with CO, $PM_{2.5}$, wind speed and wind direction and a traffic counter being added soon.

The Department also requests permission from the Region to decommission the $PM_{2.5}$ BAM analyzers at Monroe, Alexandria (2) and Port Allen sites following the approval of LDEQ's petition to remove data from comparison to the National Ambient Air Quality Standards (NAAQS) because of inconsistent and unreliable measurements from the BAM monitor and the presence of $PM_{2.5}$ FRM monitors to monitor the air in these areas.

If you have any questions please do not hesitate to contact me at 225-219-3550 or Bob Bailey at 225-219-3719.

Sincerely,

Evita N. Lagard

Evita N. Lagard, Administrator
Assessment Division

jsz

Enclosure: 2014 Louisiana Annual Network Assessment

2014 Louisiana Annual Network Assessment

Louisiana Department of Environmental Quality
Office of Environmental Compliance
Assessment Division

June 1, 2014

The Louisiana Department of Environmental Quality's (LDEQ) Air Field Services section operates State and Local Ambient Monitoring Stations (SLAMS), Photochemical Assessment Monitoring Stations (PAMS), Special Purpose Monitoring Stations (SPMS), and 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 2014-June 2015

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, STN, or SPMs. Table A summarizes number and type of monitors located in each 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 minimum monitoring requirements. Currently Capitol, Pride, Dutchtown, and Bayou Plaquemine are PAMS sites.

Meteorological equipment has been removed from Kenner, Lighthouse and Denham Springs sites per EPA approval granted on January 22, 2014. The discontinuance of the meteorological data for wind speed and wind direction at these sites does not compromise the data collection needed for implementation of PAMS and NCore, and the 40 CFR Part 58, Appendix D ambient air monitoring requirements are met.

I-610 Near Road in New Orleans began operation on March 18, 2014. Presently only NOx is operating, but we plan to install and begin operation of PM2.5 FRM, CO, wind speed, wind direction and traffic counter by the end of the year.

Additional proposed changes to the current Network are as follows:

- Speciation, VOC, and CO sites will remain unaltered in the 2014/2015 plan.
- Decommission ozone at City Park and Hahnville due to proximity to, and consistently lower readings than Kenner.
- Add new site in Lafayette MSA to monitor ozone due to a revised definition of the Lafayette MSA, which added three parishes and an estimated population increase, which projects the population of the Lafayette MSA to be over 350,000. An additional ozone monitoring site is now required in the Lafayette MSA by the existing ozone monitoring regulations found at 40 CFR Part 58 Appendix D Section 4.1 and Table D-2. LDEQ will be submitting separate documentation for site approval.
- Decommission NOx at LSU and Carville due to consistently lower readings than others in the area, sufficient coverage of other area monitors to measure NOx and per Section 4.3.1(a) of 40 CFR 58 Appendix D.
- Decommission PM 2.5 FRM at Bayou Plaquemine due to low design value, consistently lower readings than the standard, proximity to Geismar's PM2.5 FRM and per Table D-5 of 40 CFR 58 Appendix D.
- Decommission PM 2.5 FRM at McNeese due to low design value, consistently lower readings than the standard and per Table D-5 of 40 CFR 58 Appendix D.

- Reduce frequency of operation of PM2.5 at Kenner to 1 in 6 (one every six days) from daily presently per 40 CFR 58.12(d), which states: For SLAMS PM2.5 sites with both manual and continuous PM2.5 monitors operating, the monitoring agency may request approval for a reduction to 1-in-6 day PM2.5 sampling or for seasonal sampling from the EPA Regional Administrator.
- Decommission ozone at Westlake DEQ due to consistently lower readings than others in area, sufficient coverage by other monitors in the region and Table D-2 of 40 CFR 58 Appendix D.
- Decommission PM 2.5 TEOM at Westlake per Table D-5 of 40 CFR 58 Appendix D and sufficient PM2.5 monitoring coverage in the region.
- Decommission additional PM 10 at Lafayette due to no collocation requirement for continuous monitors per 40 CFR Part 58, Appendix A, 3.3.1
- LDEQ is in the process of following up with the EPA Region 6 for immediate decommissioning of the four PM 2.5 BAMs at Monroe, Port Allen and Alexandria (2) as soon as work is completed on changing the parameter codes to reflect these and other BAMs as not comparable to the NAAQS. We hope to decommission these by the end of the second quarter of 2014.

LDEQ plans to continue monitoring at the following sites:

- Continue to operate the PM2.5 FRM monitor at Geismar due to the proximity of industry in the area to provide oversight of ambient air conditions in this industrial area.
- Baker Lead (Pb) site will continue operation until the demolition and remediation of the nearby Exide recycle site is completed.
- Continue to operate the Vinton 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 to maintain some type of monitoring in that part of the state to provide regional background.
- Continue to operate the ozone monitor at Monroe to maintain ozone monitoring coverage in that portion of the state to provide regional background.

In the event of projected budget cuts for fiscal year 2014/2015, LDEQ and EPA will work closely to minimize the impact of the cuts and to ensure continued public health.

Table A.

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	7	5
	Nitrogen Oxides	2	2	2
	Sulfur Dioxide	1	2	2
	Carbon Monoxide	0	0	1
	PM2.5 FRM	2	3	4
	PM2.5 continuous	2	4	4
	PM10	2-4	2	2
	Lead	1	1	1
350,000-1,000,000	*Baton Rouge*			
	Ozone	4	9	9
	Nitrogen Oxides	4	8	6
	Trace Level reactive Nitrogen Oxides; NOy	2	2	2
	Sulfur Dioxide	1	1	1
	Trace Level Sulfur Dioxide	1	1	1
	PM2.5 FRM	2	4	3
	PM2.5 Speciation	1	1	1
	PM2.5 continuous	1	3	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	2-4	4	4

[1]Metropolitan Statistical Area, July 1, 2013, United States Census Bureau
http://www.census.gov/popest/data/metro/totals/2013/CBSA-EST2013-alldata.html

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	1	1	1
	PM2.5 continuous	1	1	1
	PM2.5 Speciation	1	1	1
	PM10	0-1	1	1
350,000-1,000,000	*Lafayette*			
	Ozone	2	1	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	3	2
	Nitrogen Oxides	1	1	1
	Sulfur Dioxide	1	1	1
	PM2.5 FRM	0[2]	2	1
	PM2.5 continuous	0	1	0
50,000-350,000	*Alexandria*			
	PM2.5 FRM	0[2]	1	1
	PM2.5 continuous	0	2	0
	Ozone	0	0	0

[1]Metropolitan Statistical Area, July 1, 2013, United States Census Bureau
http://www.census.gov/popest/data/metro/totals/2013/CBSA-EST2013-alldata.html
[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	1	0
50,000-350,000	*Houma / Thibodaux*			
	Ozone	1	1	1
	PM2.5 FRM	0[2]	1	1
	PM2.5 continuous	0	1	1
	Other Areas			
50,000-350,000	*Hammond –FRM*	1	1	1

[1]Metropolitan Statistical Area, July 1, 2013, United States Census Bureau
http://www.census.gov/popest/data/metro/totals/2013/CBSA-EST2013-alldata.html
[2]No monitor required based on most recent 3-year design value <85% of NAAQS

Table B. *Special purpose monitors must run for 24 months before they are applicable to the NAAQS.

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 = 31.18 Long = -92.41	PM2.5	SLAMS	Sequential FRM R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	General Background	Regional	Yes	Alexandria
			PM2.5	SPMS	Continuous BAM 1020 Meth. Code: 170	Continuous	General Background		No*	
			PM2.5	SPMS	Continuous BAM 1020 Meth. Code: 170	Continuous	General Background		No*	
Baker LSP 22-033-0014	1400 West Irene Rd	Lat = 30.59 Long = -91.25	Lead	SLAMS	Gravimetric	Every 6th day	Source Oriented	Neighbor-hood	Yes	Baton Rouge
Capitol 22-033-0009	1061-A Leesville Ave.	Lat = 30.46 Long = -91.18	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	

*EPA has approved use of parameter code 88502 for this data, which excludes it from comparison to the NAAQS.

Table B. (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 = 30.46 Long = -91.18	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-esence	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 = 30.42 Long = -91.18	Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration	Middle	Yes	Baton Rouge
			VOC	SPMS	Trigger Canisters	25 min when triggered	High Concentration		No	
			NOx	SLAMS	Chemilumin-escence	Continuous	High Concentration		Yes	

Table B. (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
Bayou Plaquemine 22-047-0009	65180 Belleview Rd.	Lat = 30.22 Long = -91.32	Ozone	PAMS SLAMS	U.V. Absorption	Continuous	High Concentration	Neighbor-hood	Yes	Baton Rouge
			NOx	PAMS SLAMS	Chemilumin-escence	Continuous	High Pop. Density		Yes	
			PM2.5	SPMS	Sequential FRM (Collocated) R&P Partisol Plus Model 2025 Meth. Code: 118	24 hrs every 3rd day	Population Oriented		Yes	
			NOy Trace-level	PAMS SLAMS	Chemilumin-escence	Continuous	High Pop. Density		No	
			VOC	PAMS SLAMS	Canisters; Trigger Canisters	4 3-hr samples daily during ozone season and 8 3-hr samples every 6th day otherwise; also 24 hrs every 6th day; 25 min when triggered	Population Oriented		No	
Carlyss 22-019-0002	Hwy 28 & Hwy 108	Lat = 30.14 Long = -93.37	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Lake Charles
Carville 22-047-0012	Hwy 141	Lat = 30.22 Long = -91.13	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Regional	Yes	Baton Rouge
			NOx	SPMS	Chemilumin-escence	Continuous	Source Oriented	Neighbor-hood	Yes	
			VOC	SPMS	Trigger Canisters	25 min when triggered	Source Oriented	Neighbor-hood	No	

Table B. (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 = 29.99 Long = -90.82	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	New Orleans
Dixie 22-017-0001	Haygood Rd.	Lat = 32.68 Long = -93.86	Ozone	SLAMS	U.V. Absorption	Continuous	High	Urban	Yes	Shreveport
Dutchtown 22-005-0004	11153 Kling Rd.	Lat = 30.2383 Long = -90.97	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 otherwise 25 min when triggered	Population Oriented		No	
French Settlement 22-063-0002	16627 Perrilloux Ln @ Hwy 16	Lat = 30.32 Long = -90.81	NOx	SLAMS	Chemilumin-escence	Continuous	High Concentration	Neighbor-hood	Yes	Baton Rouge
							General Background			
			Ozone	SPMS	U.V. Absorption	Continuous	High Concentration		Yes	
							General Background			
			PM2.5	SPMS	Continuous TEOM Series1400a Meth. Code: 715	Continuous	General Background		No*	
			VOC	SPMS	Canisters; Trigger Canisters	25 min when triggered	Population Oriented		No	

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

Table B. (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	E. Azalea St.	Lat = 30.06 Long = -90.62	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Regional	Yes	New Orleans
Geismar 22-047-0005	Hwy 75	Lat = 30.24 Long = -91.06	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
Hahnville 22-089-0003	1 River Park Drive	Lat = 29.98 Long = -90.36	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	New Orleans
Hammond 22-105-0001	21549 Old Covington Hwy	Lat = 30.50 Long = -90.38	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. at Hwy 24	Lat = 29.68 Long = -90.78	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 = 30.04 Long = -90.27	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*	

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

Table B. (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	Lat = 30.2383 Long = -92.04	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	
			PM10	SLAMS	Continuous BAM 1020 Meth. Code: 122	Continuous	High Pop. Density		Yes	
			Ozone	SLAMS	U.V. Absorption	Continuous	High Pop. Density		Yes	
New Ozone Site Lafayette MSA			Ozone							
Lake Charles McNeese University 22-019-0010	Common & E. McNeese	Lat = 30.18 Long = -93.21	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	Lake Charles
LaPlace 22-095-0003	115 Garden Grove	Lat = 30.04 Long = -90.46678	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 = 30.43 Long = -90.20	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 & Allo St.	Lat = 29.88 Long = -90.09	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

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

Table B. (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 = 29.94 Long = -89.92	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 = 32.51 Long = -92.05	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
			PM2.5	SPMS	Continuous BAM 1020 Meth. Code: 170	Continuous	General Background		No*	
			Ozone	SLAMS	U.V. Absorption	Continuous	General Background		Yes	
New Orleans City Park 22-071-0012	Florida & Orleans Ave.	Lat = 29.99 Long = -90.10	PM2.5	SPMS	Continuous TEOM Series1400a Meth. Code: 715	Continuous	High Pop. Density	Neighbor-hood	No**	New Orleans
			Ozone	SLAMS	U.V. Absorption	Continuous	High Pop. Density		Yes	
			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 = 29.99 Long = -90.12	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 = 30.68 Long = -91.37	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Baton Rouge

*EPA has approved use of parameter code 88502 for this data, which excludes it from comparison to the NAAQS.
**PM2.5 Continuous monitor used for AQI reporting purposes only.

Table B. (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	3758 Hwy 1	Lat = 30.50 Long = -91.21	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	
			PM2.5	SPMS	Continuous BAM 1020 Meth. Code: 170	Continuous	High Concentration		No*	
			Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration		Yes	
			NOx	SLAMS	Chemilumin-escence	Continuous	High Concentration		Yes	
			VOC	SPMS	Trigger Canisters	25 min when triggered	Population Oriented		No	
Pride 22-033-0013	11245 Port Hudson Rd.	Lat = 30.70 Long = -91.05	NOx	PAMS SLAMS	Chemilumin-escence	Continuous	High Concentration	Neighbor-hood	Yes	Baton Rouge
			Ozone	PAMS SLAMS	U.V. Absorption	Continuous	High Concentration		Yes	
			VOC	PAMS SLAMS	Canister; Trigger Canisters	4 3-hr samples every 3rd day ozone season and 8 3-hr samples every 6th day otherwise, also 24 hrs every 6th day; 25 min when triggered	Population Oriented		No	

*EPA has approved use of parameter code 88502 for this data, which excludes it from comparison to the NAAQS.

Table B. (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 Airport 22-015-0008	1425 Airport Dr.	Lat = 32.53 Long = -93.75	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*	
			PM2.5	SPMS	Chemical Speciation SASS Teflon Gravimetric, Meth. Code 810	24 hrs every 6th day	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	
Shreveport Calumet 22-017-0008	Midway St.	Lat = 32.47 Long = -93.79	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	
Thibodaux 22-057-0004	194 Thorough-bred Park	Lat = 29.76 Long = -90.77	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*	

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

Table B. (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
Vinton 22-019-0009	2284 Paul Bellow Rd.	Lat = 30.2383 Long = -93.58	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 = 30.26 Long = -93.28	SO2	SLAMS	U.V. Fluorescence	Continuous	High Pop. Density	Neighbor-hood	Yes	Lake Charles
			Ozone	SLAMS	U.V. Absorption	Continuous	High Pop. Density		Yes	
			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	
			VOC	SPMS	Canisters; Trigger Canisters	24 hrs every 6th day; 25 min when triggered	Population Oriented		No	

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

Table B. (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 = 29.94 Long = -89.98	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	
			VOC	SPMS	Trigger Canisters	25 min when triggered	Source Oriented		No	
Lake Charles Lighthouse Lane SPECIAL3	Lighthouse Lane & Bayou D'Inde Pass	Lat = 30.22 Long = -93.31	VOC	SPMS	Trigger Canisters	25 min when triggered	Population Oriented	Neighbor-hood	No	Lake Charles
Southern University 22-033-2002	Isabel Herson St.	Lat = 30.53 Long = -91.19	VOC	SPMS	Trigger Canisters	25 min when triggered	Source Oriented	Neighbor-hood	No	Baton Rouge

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

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)	June-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
		Mixing Height	Hourly	January-December
		Lead	Every 6 Days	January-December
Site Name	Site Type	Pollutant	Sampling Frequency	Sampling Period
Bayou Plaquemine 22-047-0009	3/1	Speciated VOC	Four 3-hr canisters daily (i.e. 0300-0600, 0600-0900, 1500-1800, 1800-2100 LST)	June-September
		TNMOC	Hourly	January-December
		NO_y	Hourly	January-December
		Ozone	Hourly	January-December
		Wind Speed*	Hourly	January-December
		Wind Direction*	Hourly	January-December
		Temperature	Hourly	January-December
		Relative Humidity	Hourly	January-December
		Barometric Pres.	Hourly	January-December
		Solar Radiation	Hourly	January-December
Site Name	Site Type	Pollutant	Sampling Frequency	Sampling Period
Bayou Plaquemine (cont.)	3/1	NO, NO_2, NO_x	Hourly	January-December
Pride	1/3	Speciated VOC	Four 3-hr cans every 3 days (i.e. 0300-0600, 0600-0900,	June-September

22-033-0013			1500-1800, 1800-2100 LST)	
		TNMOC	Hourly	January-December
		NO, NO_2, NO_x	Hourly	January-December
		Ozone	Hourly	January-December
		Wind Speed*	Hourly	January-December
		Wind Direction*	Hourly	January-December
		Temperature	Hourly	January-December
		Relative Humidity	Hourly	January-December
		Barometric Pres.	Hourly	January-December
		Solar Radiation	Hourly	January-December
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)	June-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/portal/tabid/2466/Default.aspx by clicking on the desired location on the site map.