



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

APR 08 2014

Mr. Paul D. Miller, P.E.
Administrator, Office of Environmental Compliance
Assessment Division
Louisiana Department of Environmental Quality
Post Office Box 4301
Baton Rouge, LA 70821-4301

Dear Mr. Miller:

Thank you for your correspondence submitting the Louisiana Department of Environmental Quality's (LDEQ) 2013 Annual Monitoring Network Plan. The U.S. Environmental Protection Agency (EPA) has completed its analysis of the LDEQ's 2013 Annual Monitoring Network Plan to ensure it meets those requirements of 40 CFR Part 58 and its appendices that confer approval authority on the Regional Administrator, now delegated to the Associate Director for Air.

We appreciate your cooperation and work to submit your 2013 network plan. The network assessment process presents an opportunity for the EPA and the LDEQ to collaborate on the air monitoring network design. See 40 CFR Part 58 App. D, 1.1.2. The EPA has reviewed your plan, including the information for nitrogen dioxide for the LDEQ Ambient Air Monitoring Network.

I am pleased to inform you that your 2013 ambient air monitoring network plan is approved in accordance with 40 CFR §58.10. Details of our review of your air monitoring network are provided in the enclosure.

We look forward to our continued collaborative work with the LDEQ on your 2014 ambient air monitoring network plan. If you have any questions, please contact me at (214) 665-3102, or your staff may contact Ms. Maria Martinez, Air Quality Analysis Section Chief, of my staff at (214) 665-2230.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Thomas H. Diggs".

Thomas H. Diggs
Associate Director for Air

Enclosure

Louisiana Department of Environmental Quality (LDEQ)
2013 Annual Ambient Air Monitoring Network Plan Technical Comments

The Environmental Protection Agency (EPA) has reviewed your 2013 Annual Ambient Air Monitoring Network Plan and our comments are provided below. In addition to the network plan, EPA's review includes additional information provided by LDEQ identified below.

Nitrogen Dioxide (NO₂)

Area-wide NO₂ Monitor

The EPA Region 6 approves the NO₂ monitor at the Kenner site (Air Quality System, AQS #22-051-1001) to meet the requirements for the area-wide NO₂ monitoring for the New Orleans core-based statistical area (CBSA) as required by 40 CFR Part 58, App. D, 4.3.3.

RA40

We note your plans to use the NO₂ monitors at the Capitol site (AQS #22-033-0009) in Baton Rouge and the Westlake site (AQS #22-019-0008) in Lake Charles to help protect susceptible and vulnerable populations under the "RA40" national requirement. The EPA Region 6 approves that the NO₂ monitors at the Capitol and Westlake sites meet the requirements for the susceptible and vulnerable populations for NO₂ monitoring as required by 40 CFR Part 58, App. D, 4.3.4.

Ozone (O₃)

Lafayette Metropolitan Statistical Area (MSA)

On February 28, 2013, the revised county definitions for MSAs were released. *See* 75 FR 37246 – 37252 (June 28, 2010). The U.S. Census Bureau has included the revised MSA definitions in their updated population estimates for 2012. The Lafayette MSA now consists of 5 parishes: Lafayette, St. Martin, Acadia, Iberia, and Vermilion. According to the revised 2012 U.S. Census population estimates, the Lafayette MSA is approximately 474,415.

According to 40 CFR Part 58, App. D, 4.1 and Table D-2, two O₃ monitors are required in MSAs greater than 350,000 population with the most recent 3-year design value concentrations greater than or equal to 85% of any O₃ NAAQS. Eighty-five percent of the current 2008 8-hour O₃ NAAQS (75 parts per billion, ppb) is 63.75 ppb; therefore, a design value of 64 ppb or greater triggers this monitoring requirement in MSAs greater than 350,000.

Currently, LDEQ operates one O₃ monitor for the Lafayette MSA at the Lafayette site (Air Quality System, AQS #22-055-0007). For the Lafayette O₃ monitor, the 2012 and preliminary 2013 8-hour O₃ design value is at 72 ppb and 69 ppb, greater than 85% of the 8-hour O₃ National Ambient Air Quality Standards (NAAQS). Since the new population estimate for the Lafayette MSA is over 350,000 and the Lafayette site O₃ monitor is reading greater than 85% of the 8-hour O₃ NAAQS, an additional O₃ monitoring site is now required in the Lafayette MSA by the existing O₃ monitoring regulations. *See* 40 CFR Part 58, App. D, 4.1 and Table D-2.

We look forward to working with LDEQ on the second O₃ monitoring site for the Lafayette MSA for the 2014 network plan.

Sulfur Dioxide (SO₂)

Chalmette Vista (AQS #22-087-0007)

The SO₂ monitor, Pollutant of Concern (POC)-1, at the Chalmette Vista site was appropriately relabeled as a state or local air monitoring stations (SLAMS) in the network plan and EPA's national air monitoring database (AQS database). However, the SO₂ monitor, POC-2 and POC-3, at the Chalmette Vista site are still labeled as special purpose monitors (SPM). Please change the SO₂ monitor, POC-2 and POC-3, to SLAMS in AQS.

Shreveport Airport (AQS #22-015-0008)

LDEQ has informed us that the Shreveport Airport site began operation on January 1, 2013. We note that the Shreveport Airport SO₂ monitor is operational according to the EPA AQS database.

Lead (Pb)

LaPlace (AQS #22-095-0003)

The 2013 network plan identifies the LaPlace site as Neighborhood Scale instead of Middle Scale as approved in the LDEQ 2011 ANR letter. The monitoring scale was changed without notification in the 2012 network plan, and remains changed in the 2013 network plan. We request that LDEQ discuss potential network changes with EPA prior to making changes in the network plan. Any request for a system modification under 40 CFR § 58.14(c) should be submitted to EPA Region 6 for concurrence.

Particulate Matter (PM)

PM_{2.5} Data Exclusion Request

At the time the network plan was submitted, LDEQ was in the process of submitting a data exclusion request for the PM_{2.5} Federal Equivalent Method (FEM) beta-attenuation monitors (BAMs) instruments. EPA has since received the PM_{2.5} Data Exclusion Request for the continuous Federal Equivalent Method (FEM) BAMs and concluded its review. In the March 27, 2014 letter, EPA Region 6 reviewed LDEQ's 2013 PM_{2.5} Data Exclusion Request for the continuous FEM BAMs to ensure it meets the requirements of 40 CFR 58.11(e) and to determine PM_{2.5} NAAQS comparability. Each site was individually reviewed to determine whether the data will be excluded from comparison to the PM_{2.5} NAAQS and evaluated applicable requirements for the continuous PM_{2.5} air monitoring network. In order to reconcile all proposed network changes in the March 27, 2014 letter, LDEQ will need to formally submit the requested network changes. This information can be addressed in the 2014 network plan.

PM₁₀ Collocated BAMs

According to the 2013 network plan, LDEQ is operating collocated PM₁₀ continuous BAM instruments at the Lafayette USGS site (AQS #22-055-0007) for testing purposes. According to AQS, the two PM₁₀ BAMs have been operating since November 24, 2009. Please note that collocation for PM₁₀ is only required for manual methods (Federal Reference Method, FRM). Collocation is not required for PM₁₀ continuous monitoring which includes the BAMs. The operation of an additional continuous PM₁₀ BAM instrument at the Lafayette USGS site is not required to meet minimum network requirements and can be discontinued. Please confirm with EPA the discontinuance for the PM₁₀ BAM instrument. This information can be addressed in the 2014 network plan.

Site Approvals:

Near-Road Monitoring Site

We acknowledge LDEQ's work in establishing the required near-road monitoring site for the New Orleans CBSA. The New Orleans Near Road site located near the west bound lanes of Interstate 610

prior to the merge with west bound Interstate 10 near the Orleans-Jefferson Parish line meets the requirements for the near-road monitors for NO₂, carbon monoxide (CO) and PM_{2.5}. *See* 40 CFR Part 58, App. D, 4.3.2, 4.2.1 and 4.7.1(b)2, respectively. In addition, EPA Region 6 approves LDEQ's plans to install a meteorological tower for the following parameters at the New Orleans Near Road site: wind speed, wind direction and traffic count. Please provide the AQS ID for the New Orleans Near-Road site and the probe height for the monitors. This information will need to be addressed in the 2014 network plan.

Meteorological Equipment

The request to decommission the meteorological equipment collecting data for wind speed and wind direction at the Kenner (AQS #22-051-1001), Lake Charles Lighthouse Lane (Lighthouse) and Denham Springs sites was approved on January 22, 2014 through separate communications. According to federal requirements, meteorological measurements are only required at the photochemical assessment monitoring stations (PAMS) and National Core (NCore) multipollutant sites. *See* 40 CFR Part 58, App. D, Table D-6 and 40 CFR Part 58, App. D, 3(b). The Kenner, Lighthouse and Denham Springs sites are not required PAMS or NCores sites; therefore, the meteorological parameters are not required or entered in EPA's AQS database. The Kenner site is a SLAMS site but is still not required to report meteorological measurements. The Lighthouse site monitors for volatile organic compounds for LDEQ's use and is not in AQS. We understand that the Denham Springs site only monitors for wind speed and wind direction and is also not in AQS.

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 NCores, and the 40 CFR Part 58, App. D ambient air monitoring requirements are met. We understand that LDEQ decommissioned the meteorological equipment and Denham Springs site as of January 31, 2014. Please document this information in the 2014 annual network plan submittal.

In addition, we note that the Chalmette High School (AQS #22-087-0009) wind speed resultant (Parameter Code 61103) and wind direction resultant (Parameter Code 61104) parameters have been removed from the EPA AQS database.

General Comments

As LDEQ works to prepare its 2014 network plan, discussions are needed regarding the required monitors, station type, monitoring objectives, spatial scales and MSAs in Table A and B.

BOBBY JINDAL
GOVERNOR



PEGGY M. HATCH
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF ENVIRONMENTAL COMPLIANCE

July 1, 2013

Mr. Thomas Diggs
Associate Director for Air
USEPA Region 6-6PDQ
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Dear Mr. Diggs:

As per 40 CFR, Part 58, Subpart B, attached is the 2013 Louisiana Annual Network Assessment for your review. On June 1, 2013, 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 1, 2013.

LDEQ is currently in the process of setting up the New Orleans Near Road air monitoring site and the goal is to have it operational on January 1, 2014. The site will monitor for NO_x, CO, PM_{2.5} and MET data.

Also, as per 40 CFR 58.11(e), the Department is in the process of requesting the Region to remove PM_{2.5} BAM data from comparison to the National Ambient Air Quality Standards (NAAQS) because of inconsistent and unreliable measurements from the BAM monitor.

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

Sincerely,

A handwritten signature in black ink that reads "Paul D. Miller".

Paul D. Miller, P.E.
Administrator

Enclosure: 2013 Louisiana Annual Network Assessment

c: Ms. Maria Martinez, EPA: 6PD-Q
Ms. Kara Allen, EPA: 6PD-Q

2013 Louisiana Annual Network Assessment



**Louisiana Department of Environmental Quality
Office of Environmental Compliance
Assessment Division**

June 1, 2013

The Louisiana Department of Environmental Quality's (LDEQ) Air Field Services section has operated 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 judged against 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 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 which states are required to provide for 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 are follows:

1. Provide air pollution data to 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 needs 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 2013-June 2014

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 which MSA is 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.

The collocated PM10 continuous BAM units at the Lafayette site and the collocated PM2.5 continuous BAM units at the Alexandria site are for testing purposes in order to evaluate against FRM data as well as how two of the same units compare running side by side.

Additional proposed changes to the current Network are as follows:

- NO_x- LDEQ is working to site a near-road monitor in New Orleans by January 1, 2014.
- Speciation, PM, VOC, and CO sites will remain unaltered in the 2013/2014 plan.
- SO₂ – Shreveport Airport began operation on January 1, 2013
- LDEQ is in the process of petitioning the region for exclusion of the comparison of the data from PM2.5 continuous BAM monitors to the NAAQS standards.

In the event of projected budget cuts for fiscal year 2013/2014, 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 | <i>New Orleans</i> | | | |
| Ozone | | 2 | 4 | 4 |
| Nitrogen Oxides | | 2 | 1 | 2 |
| Sulfur Dioxide | | 1 | 2 | 2 |
| Carbon Monoxide | | 0 | 0 | 1 |
| PM2.5 FRM | | 2 | 3 | 4 |
| PM2.5 continuous | | 1 | 4 | 4 |
| PM10 | | 2-4 | 2 | 2 |
| Lead | | 1 | 1 | 1 |
| 350,000-1,000,000 | <i>Baton Rouge</i> | | | |
| Ozone | | 4 | 8 | 8 |
| Nitrogen Oxides | | 3 | 8 | 8 |
| 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 | 4 |
| 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 | | 2-4 | 4 | 4 |

¹Metropolitan Statistical Area, July 1, 2012, United States Census Bureau
<http://www.census.gov/popest/data/metro/totals/2012/files/CBSA-EST2012-alldata.csv>

²No monitor required based on most recent 3-year design value <85% of NAAQS

| MSA/CSA Population ¹ | MSA | Number of Monitors Currently Required | Number of Existing Monitors | Proposed Network |
|---------------------------------|---------------------|---------------------------------------|-----------------------------|------------------|
| 350,000-1,000,000 | <i>Shreveport</i> | | | |
| | Ozone | 2 | 2 | 2 |
| | Sulfur Dioxide | 1 | 1 | 1 |
| | PM2.5 FRM | 0 ² | 1 | 1 |
| | PM2.5 continuous | 1 | 1 | 1 |
| | PM2.5 Speciation | 0 | 1 | 1 |
| | PM10 | 0-1 | 1 | 1 |
| 50,000-350,000 | <i>Lafayette</i> | | | |
| | Ozone | 1 | 1 | 1 |
| | PM2.5 FRM | 0 ² | 1 | 1 |
| | PM2.5 continuous | 0 ² | 1 | 1 |
| | PM10 | 1-2 | 1 | 1 |
| 50,000-350,000 | <i>Lake Charles</i> | | | |
| | Ozone | 1 | 3 | 3 |
| | Nitrogen Oxides | 1 | 1 | 1 |
| | Sulfur Dioxide | 1 | 1 | 1 |
| | PM2.5 FRM | 0 ² | 2 | 2 |
| | PM2.5 continuous | 0 | 1 | 1 |
| 50,000-350,000 | <i>Alexandria</i> | | | |
| | PM2.5 FRM | 0 ² | 1 | 1 |
| | PM2.5 continuous | 0 | 1 | 1 |
| | Ozone | 0 | 0 | 0 |

¹Metropolitan Statistical Area, July 1, 2012, United States Census Bureau
<http://www.census.gov/popest/data/metro/totals/2012/files/CBSA-EST2012-alldata.csv>

²No monitor required based on most recent 3-year design value <85% of NAAQS

| MSA/CSA Population ¹ | MSA | Number of Monitors Currently Required | Number of Existing Monitors | Proposed Network |
|---------------------------------|--------------------------|---------------------------------------|-----------------------------|------------------|
| 50,000-350,000 | <i>Monroe</i> | | | |
| | Ozone | 1 | 1 | 1 |
| | Sulfur Dioxide | 0 | 0 | 0 |
| | PM2.5 FRM | 0 ² | 1 | 1 |
| | PM2.5 continuous | 0 | 1 | 1 |
| 50,000-350,000 | <i>Houma / Thibodaux</i> | | | |
| | Ozone | 1 | 1 | 1 |
| | PM2.5 FRM | 0 ² | 1 | 1 |
| | PM2.5 continuous | 0 | 1 | 1 |
| <i>Other Areas</i> | | | | |
| 50,000-350,000 | <i>Hammond -FRM</i> | 1 | 1 | 1 |
| 50,000-350,000 | <i>Hahnville - Ozone</i> | 1 | 1 | 1 |
| <50,000 | <i>Garyville - Ozone</i> | 0 | 1 | 1 |
| <50,000 | <i>Convent - Ozone</i> | 1 | 1 | 1 |
| <50,000 | <i>New Roads - Ozone</i> | 0 | 1 | 1 |

¹Metropolitan Statistical Area, July 1, 2012, United States Census Bureau

<http://www.census.gov/popest/data/metro/totals/2012/files/CBSA-EST2012-alldata.csv>

²No 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 | 24 hrs every 3 rd day | General Background | Regional | Yes | Alexandria |
| | | | PM2.5 | SPMS | Continuous BAM | Continuous | General Background | | Yes* | |
| | | | PM2.5 | SPMS | Continuous BAM | Continuous | General Background | | Yes* | |
| Baker LSP 22-033-0014 | 1400 West Irene Rd | Lat = 30.59 Long = -91.25 | Lead | SLAMS | Gravimetric | Every 6 th 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 | 24 hrs every day | High Pop. Density | Neighbor -hood | Yes | Baton Rouge |
| | | | PM2.5 | SLAMS | Sequential FRM (Collocated) | 24 hrs every 12 th day | High Pop. Density | | Yes | |
| | | | PM2.5 | SLAMS NCORE | Continuous BAM | Continuous | High Pop. Density | | Yes* | |
| PM10 | | | SLAMS | Continuous BAM | Continuous | Continuous | High Pop. Density | | Yes | |
| PM2.5 | | | STN NCORE | Chemical Speciation | 24 hrs every 3 rd 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 | | |
| CO Trace- level | | | PAMS NCORE | Nondispersive Infrared | Continuous | High Pop. Density | | No | | |

*LDEQ is in the process of petitioning to the region for exclusion of PM2.5 Continuous BAM.

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 | NOx | SLAMS NCORE | Chemilumin- escence | Continuous | High Pop. Density RA40 | Neighbor -hood | Yes | Baton Rouge |
| | | 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 6 th day otherwise, also 24 hrs every 6 th day; 25 min when triggered | | High Pop. Density | | | |
| | | Lead | SLAMS NCORE | Gravimetric | Every 6 th day | High Pop. Density | | | Yes | |
| | | PM Coarse | SLAMS NCORE | Continuous BAM | Continuous | High Pop. Density | | | No | |
| LSU 22-033-0003 | East End Aster Lane | Lat = 30.42 Long = -91.18 | NOx | SLAMS | Chemilumin- escence | Continuous | High Concentration | Middle | Yes | Baton Rouge |
| | | Ozone | SLAMS | U.V. Absorption | Continuous | High Concentration | | | Yes | |
| | | VOC | SPMS | Trigger Canisters | 25 min when triggered | High Concentration | | | 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 |
|------------------------------------|--------------------------|---------------------------------------|---|---|---|--|---|--|-------------------------|--------------------|
| Bayou Plaquemine 22-047-0009 | 65180 Bellevue Rd. | Lat = 30.22 Long = -91.32 | Ozone NOx PM2.5 NOy Trace- level | PAMS SLAMS PAMS SLAMS SPMS PAMS SLAMS | U.V. Absorption Chemilumin- escence Sequential FRM Chemilumin- escence | Continuous Continuous 24 hrs every 3 rd day Continuous | High Concentration High Pop. Density Population Oriented High Pop. Density | Neighbor- hood | Yes Yes Yes No | Baton Rouge |
| | | | VOC | PAMS SLAMS | Canisters; Trigger Canisters | 4 3-hr samples daily during ozone season and 8 3-hr samples every 6 th day otherwise; also 24 hrs every 6 th 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 NOx VOC | SLAMS SPMS SPMS | U.V. Absorption Chemilumin- escence Trigger Canisters | Continuous Continuous 25 min when triggered | General Background Source Oriented Source Oriented | Regional Neighbor- hood Neighbor- hood | Yes Yes No | Baton Rouge |

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 @ Caratella | Lat = 29.99 Long = -90.82 | Ozone | SLAMS | U.V. Absorption | Continuous | General Background | Neighor- hood | Yes | St James |
| 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 | Neighor- hood | Yes | Baton Rouge |
| | | | NOx | PAMS SLAMS | Chemilumin- escence | Continuous | General Background | | Yes | |
| | | | | | | | | No | | |
| | | | | | | | | | | |
| | | | | VOC | PAMS SLAMS | Canisters; Trigger Canisters | 4 3-hr cans every 3 rd day ozone season and 8 3-hr cans every 6 th day otherwise 25 min when triggered | Population Oriented | | |
| | | | | | | | | | | |
| French Settlement 22-063-0002 | 16627 Perilloux Ln @ Hwy 16 | Lat = 30.32 Long = -90.81 | NOx | SLAMS | Chemilumin- escence | Continuous | High Concentration General Background | Neighor- hood | Yes | Baton Rouge |
| | | | Ozone | SPMS | U.V. Absorption | Continuous | High Concentration General Background | | 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 |
|--------------------------------|--------------------------------------|---------------------------------------|-----------------------|-----------------|------------------------------------|---|-----------------------------------|------------------|---------------------|-------------------------|
| French Settlement (cont) | 16627 Perilloux Ln @ Hwy 16 | Lat = 30.32 Long = -90.81 | PM2.5 | SPMS | Continuous TEOM | Continuous | General Background | Neighor- hood | No | Baton Rouge |
| Garyville 22-095-0002 | E. Azaela St. | Lat = 30.06 Long = -90.62 | Ozone | SLAMS | U.V. Absorption | Continuous | Population Oriented | | No | |
| Geismar 22-047-0005 | Hwy 75 | Lat = 30.24 Long = -91.06 | PM2.5 | SLAMS | Sequential FRM | 24 hrs every 3 rd day | High Pop. Density | Neighor- hood | Yes | St. John the Baptist |
| Hammond 22-105-0001 | 21549 Old Covington Hwy | Lat = 30.50 Long = -90.38 | PM2.5 | SLAMS | Sequential FRM | 24 hrs every 3 rd day | High Pop. Density | Neighor- hood | Yes | Baton Rouge |
| Hahnville 22-089-0003 | 1 River Park Drive | Lat = 29.98 Long = -90.36 | Ozone | SLAMS | U.V. Absorption (Collocated) | 24 hrs every 12 th day | High Pop. Density | | Yes | New Orleans |
| Houma 22-109-0001 | 4047 West Park Ave. at Hwy 24 | Lat = 29.68 Long = -90.78 | PM2.5 | SLAMS | Sequential FRM | 24 hrs every 3 rd day | High Pop. Density | Neighor- hood | Yes | St Charles |
| 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 | 24 hrs everyday | High Pop. Density | | Yes | |
| | | | PM2.5 | SPMS | Continuous TEOM | Continuous | High Pop. Density | | 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 |
|--|--------------------------|---------------------------------------|--|------------------------------|-----------------------------|-------------------------------------|-------------------------|-------------------------------------|----------------------|--------------------|
| Lafayette USGS 22-055-0007 | 700 Cajundome | Lat = 30.2383 Long = -92.04 | PM2.5 | SLAMS | Sequential FRM | 24 hrs every 3 rd day | High Pop. Density | Neighor- hood | Yes | Lafayette |
| | | | PM2.5 | SPMS | Continuous BAM | Continuous | High Pop. Density | Yes* | Yes* | Yes* |
| | | | PM10 | SLAMS | Continuous BAM | Continuous | High Pop. Density | | | |
| | | | PM10 | SPMS | Continuous BAM | Continuous | High Pop. Density | Yes | Yes | Yes |
| | | | Ozone | SLAMS | U.V. Absorption | Continuous | High Pop. Density | | | |
| | | | Common & E. McNeese University 22-019-0010 | Lat = 30.18 Long = -93.21 | PM2.5 | SLAMS | Sequential FRM | 24 hrs every 3 rd day | High Pop. Density | Neighor- hood |
| Lake Charles McNeese University 22-095-0003 | 115 Garden Grove | Lat = 30.04 Long = -90.46678 | Lead | SLAMS | Gravimetric | Every 6 th day | Source Oriented | Yes | Yes | Lake Charles |
| | | | Lead | SLAMS | Gravimetric (Collocated) | Every 6 th day | | | | |
| Madisonville 22-103-0002 | 1421 Hwy 22 West | Lat = 30.43 Long = -90.20 | Ozone | SLAMS | U.V. Absorption | Continuous | Source Oriented | Neighor- hood | Yes | New Orleans |
| | | | PM2.5 | SPMS | Continuous TEOM | Continuous | | | | |
| Marreno 22-051-2001 | Patriot & Allo St. | Lat = 29.88 Long = -90.09 | PM2.5 | SLAMS | Sequential FRM | 24 hrs every 3 rd day | High Pop. Density | Neighor- hood | Yes | New Orleans |
| | | | SO2 | SPMS | U.V. Absorption | Continuous | General Background | Urban | Yes | New Orleans |
| Meraux 22-087-0004 | 4101 Mistrot Drive | Lat = 29.94 Long = -89.92 | H2S | SPMS | U.V. Fluorescence | Continuous | General Background | | | Yes |
| | | | | | | Continuous | General Background | | | |

*LDEQ is in the process of petitioning to the region for exclusion of PM2.5 Continuous BAM.

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 (cont.) | 4101 Miströt Drive | Lat = 29.94 Long = -89.92 | VOC | SPMS | Trigger Canisters | 25 min when triggered | General Background | Urban | No | New Orleans |
| Monroe 22-073-0004 | 5296 Southwest Rd. | Lat = 32.51 Long = -92.05 | PM2.5 | SLAMS | Sequential FRM | 24 hrs every 3 rd day | General Background | Neighor -hood | Yes | Monroe |
| | | | PM2.5 | SPMS | Continuous BAM | Continuous | General Background | | Yes* | |
| | | | Ozone | SLAMS | U.V. Absorption | Continuous | General Background | | Yes | |
| New Orleans 22-071-0012 | Florida & Orleans Ave. | Lat = 29.99 Long = -90.10 | PM2.5 | SPMS | Continuous TEOM | Continuous | High Pop. Density | Neighor -hood | No | New Orleans |
| | | | PM10 | SLAMS | Continuous BAM | Continuous | High Pop. Density | | Yes | |
| | | | Ozone | SLAMS | U.V. Absorption | Continuous | High Pop. Density | | Yes | |
| New Orleans Near-Road | I610 at West End Bldv. | 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 | 24 hrs every 3 rd day | High Concentration | | | |
| New Roads 22-077-0001 | Hwy 415 | Lat = 30.68 Long = -91.37 | Ozone | SLAMS | U.V. Absorption | Continuous | General Background | Neighor -hood | Yes | Point Coupee |
| Port Allen 22-121-0001 | 3758 Hwy 1 | Lat = 30.50 Long = -91.21 | PM2.5 | SLAMS | Sequential FRM | 24 hrs every day | High Concentration | Neighor -hood | Yes | Baton Rouge |
| | | | PM2.5 | SPMS | Continuous BAM | Continuous | High Concentration | | Yes* | |
| | | | NOx | SLAMS | Chemilumin- escence | Continuous | High Concentration | | Yes | |
| | | | Ozone | SLAMS | U.V. Absorption | Continuous | High Concentration | | Yes | |

* LDEQ is in the process of petitioning to the region for exclusion of PM2.5 Continuous BAM.

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 (cont.) | 3758 Hwy 1 | Lat = 30.50 Long = -91.21 | SO2 | SLAMS | U.V. Fluorescence | Continuous | High Concentration | Neighbor -hood | Yes | Baton Rouge |
| | | 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 | |
| | | | | | 4 3-hr samples every 3 rd day ozone season and 8 3-hr samples every 6 th day otherwise, also 24 hrs every 6 th day; 25 min when triggered | Population Oriented | | | No | |
| Shreveport 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 | Continuous | General Background | | | No | |
| | | PM2.5 | SPMS | Chemical Speciation | 24 hrs every 6 th day | General Background | | | No | |
| | | PM10 | SLAMS | Continuous BAM | Continuous | High Pop. Density | | | Yes | |
| | | SO2 | SLAMS | U.V. Fluorescence | Continuous | High Pop. Density | | | 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 |
|--------------------------------------|-------------------------------|---------------------------------------|-----------------------|-----------------|------------------------------------|--|-------------------------|------------------------|---------------------|--------------------|
| Shreveport Calumet 22-017-0008 | Midway St. | Lat = 32.47 Long = -93.79 | PM2.5 | SLAMS | Sequential FRM | 24 hrs every 3 rd day | High Pop. Density | Neighbor -hood | Yes | Shreveport |
| 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 |
| Vinton 22-019-0009 | 2284 Paul Bellow Rd. | Lat = 30.2383 Long = -93.58 | PM2.5 | SPMS | Continuous TEOM | Continuous | General Background | General Background | No | |
| Westlake 22-019-0008 | 2646 John Stine Rd. | Lat = 30.26 Long = -93.28 | Ozone | SLAMS | U.V. Absorption | Continuous | Regional Transport | Regional Transport | Yes | Lake Charles |
| | | | SO2 | SLAMS | U.V. Fluorescence | Continuous | General Background | General Background | Yes | Lake Charles |
| | | | NOx | SLAMS RA40 | Chemilumin- escence | Continuous | High Pop. Density | High Pop. Density | Yes | |
| | | | PM2.5 | SPMS | Continuous TEOM | Continuous | High Pop. Density | High Pop. Density | No | |
| | | | VOC | SPMS | Canisters; Trigger Canisters | 24 hrs every 6 th day; 25 min when triggered | Population Oriented | Population Oriented | No | |

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 | SPMS | Sequential FRM | 24 hrs every 6 th day | Source Oriented | Neighbor -hood | Yes | New Orleans |
| | | | PM2.5 | SPMS | Continuous BAM | Continuous | Source Oriented | | Yes* | |
| | | | PM10 | SLAMS | Continuous BAM | 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 | Lat = 30.22 Long = -92.31 | VOC | SPMS | Trigger Canisters | 25 min when triggered | Population Oriented | Neighbor -hood |
| | | | Southern University 22-033-2002 | Isabel Herson St. | Lat = 30.53 Long = -91.19 | VOC | SPMS | Trigger Canisters | Source Oriented | Neighbor -hood |
| * LDDEQ is in the process of petitioning to the region for exclusion of PM2.5 Continuous BAM. | | | | | | | | | No | Baton Rouge |

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-August |
| | 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-August |
| | 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 | 3/1 | NO, NO ₂ , NO _x | Hourly | January-December |

| | | | | | | |
|--------------------------|-----|--|--|---------------------------------|--|--|
| (cont.) | | | | | | |
| Pride 22-033-0013 | 1/3 | Speciated VOC TNMOC | Four 3-hr cans every 3 days (i.e. 0300-0600, 0600-0900, 1500-1800, 1800-2100 LST) Hourly | June-August 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 NO, NO ₂ , NO _x | Four 3-hr cans every 3 days (i.e. 0300-0600, 0600-0900, 1500-1800, 1800-2100 LST) Hourly | June-August January-December | | |
| | | Ozone | Hourly | January-December | | |
| | | Wind Speed* | Hourly | January-December | | |
| | | Wind Direction* | Hourly | January-December | | |

*Wind speed and direction reported to AQ's 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.

Near-Road Site Documentation

The new monitoring requirements recently imposed on state, local and tribal air pollution control agencies for the revised standard for nitrogen dioxide (NO_2) require the establishment of a near-roadway monitoring network to ensure the collection of data necessary for determining compliance with the standards as well as to promote human health and a cleaner environment. Concentrations of emissions near major roads have been measured to be approximately 30% to 100% higher than those measured away from them. In the NO_2 NAAQS, EPA has required changes to NO_2 monitoring that will focus monitoring resources to capture short-term NO_2 concentrations near heavily trafficked roads, to assess area-wide (or community-wide) NO_2 concentrations, and to assess NO_2 concentrations in low-income or minority at-risk communities. The state, local and tribal air monitoring agencies are required by these regulations to install near-road NO_2 monitoring stations at locations where peak hourly NO_2 concentrations are expected to occur within the near-road environment in larger urban areas. The air pollution control agencies are required to consider traffic volumes, fleet mix, roadway design, traffic congestion patterns, local terrain or topography, and meteorology in determining where required near-road NO_2 monitors should be placed. There are other factors that impact the selection of a near-road monitoring station including satisfying siting criteria, site logistics (e.g., gaining access to property and safety) and population exposure. The establishment of this network will require the state, local and tribal air pollution control agencies to purchase new equipment and work closely with the local DOT agencies to ensure the unique siting criteria are met.

Current EPA plans require the agencies to establish a subset of the required monitoring stations in urban areas of 1 million population or greater. The first near-road monitoring station in the State of Louisiana is to be installed and operating in the New Orleans area by January 1, 2014. DEQ followed the guidelines published by the EPA in the *Near-road NO_2 Monitoring Assistance Document* (<http://www.epa.gov/ttn/amtic/files/nearroad/NearRoadTAD.pdf>) published in June 2012 in choosing a suitable location for this monitoring site.

The site chosen for the near-road monitor is near the Louisiana Department of Transportation and Development (DOTD) traffic count station ranked 23rd overall in traffic count in Orleans Parish and also quite near the traffic count station ranked 8th in traffic count. It is near the west bound lanes of I-610 prior to the merge with west bound I-10 near the Orleans – Jefferson Parish line. A Google Earth photo of the proposed site is shown below:



LDEQ used the criteria as described in the Technical Assistance document to choose the site with the highest possible traffic count that was accessible for the near-road monitor. Our DOTD requires us to be at least 50 ft (15.2 meters) from all traffic lanes. The probe will be located approximately 80 feet (24.5 meters) from the nearest traffic lanes. Attached is a table showing reasons for the sites with higher traffic counts not being selected:

| STATION | DISTRICT | PARISH_CODE | PARISH_NAME | CONTROL_SECTION | LOGMILE | ROUTE | MILEPOINT | YEAR1 | ADT1 | LATITUDE | LONGITUDE | FE-AADT | Comments |
|---------|----------|-------------|-------------|-----------------|---------|----------|-----------|-------|--------|----------|-----------|---------|---|
| 221611 | 2 | 36 | Orleans | 283-08 | 2.634 | US0090-2 | 11.696 | 2011 | 155789 | 29.93774 | -90.09588 | 2055999 | Top of Crescent City Connection Bridge - Inaccessible |
| 222591 | 2 | 36 | Orleans | 450-90 | 3.3 | I-0010 | 126555 | 2010 | 126555 | 29.95877 | -90.09588 | 240455 | I-10 at Broad - Insufficient area for monitoring building |
| 222681 | 2 | 36 | Orleans | 450-90 | 2.899 | I-0010 | 234.119 | 2010 | 124058 | 29.96253 | -90.10106 | 235710 | I-10 at Jeff Davis Parkway - Insufficient area for monitoring building |
| 222511 | 2 | 36 | Orleans | 283-08 | 0.823 | US0090-2 | 13.507 | 2010 | 123040 | 29.94897 | -90.08437 | 233776 | US-90 at Superdome - Elevated |
| 220201 | 2 | 36 | Orleans | 450-90 | 8.12 | I-0010 | 239.34 | 2010 | 122856 | 29.99805 | -90.04372 | 233046 | I-10 at Almonaster- Insufficient area for monitoring building, RR blocks access |
| 220191 | 2 | 36 | Orleans | 450-90 | 9.448 | I-0010 | 240.668 | 2010 | 116249 | 30.00581 | -90.02156 | 220873 | I-10 at Navigation Canal - Insufficient area for monitoring building |
| 223091 | 2 | 36 | Orleans | 450-90 | 2.01 | I-0010 | 233.23 | 2010 | 110865 | 29.97278 | -90.11072 | 210644 | I-10 at Airline Highway - Elevated, insufficient area |
| 223191 | 2 | 36 | Orleans | 450-90 | 0.94 | I-0010 | 232.16 | 2010 | 110256 | 29.98754 | -90.11162 | 209486 | I-10 at Metairie Cemetery but near chosen site |
| 222531 | 2 | 36 | Orleans | 450-90 | 4.763 | I-0010 | 235.983 | 2010 | 109823 | 29.96054 | -90.07654 | 208854 | I-10 near Canal St - Elevated |
| 221371 | 2 | 36 | Orleans | 283-08 | 4.52 | US0090-2 | 9.81 | 2010 | 100391 | 29.92658 | -90.03964 | 190743 | West Bank US-90 at Terry Pkwy - Elevated |
| 223051 | 2 | 36 | Orleans | 450-90 | 5.574 | I-0010 | 236.794 | 2010 | 100329 | 29.96983 | -90.06812 | 190625 | I-10 at Esplanade - Elevated |
| 222521 | 2 | 36 | Orleans | 006-03 | 4.339 | US0090 | 257.479 | 2010 | 95844 | 29.95627 | -90.08012 | 182104 | I-10 at Tulane Ave. - Elevated |
| 220080 | 2 | 36 | Orleans | 450-90 | 10.65 | I-0010 | 241.87 | 2010 | 93894 | 30.01645 | -90.01334 | 178399 | I-10 north of Chef Menteur - Insufficient space |
| 220060 | 2 | 36 | Orleans | 450-90 | 12.04 | I-0010 | 243.26 | 2010 | 92887 | 30.02785 | -90.00022 | 175535 | I-10 near Rickert Drive - Insufficient space, limited accessibility |
| 220181 | 2 | 36 | Orleans | 450-90 | 9.722 | I-0010 | 240.942 | 2010 | 91372 | 30.00687 | -90.01708 | 173607 | I-10 near Old Gentilly Road - Insufficient space, limited accessibility |
| 223061 | 2 | 36 | Orleans | 450-90 | 6.19 | I-0010 | 237.41 | 2010 | 83378 | 29.97696 | -90.0617 | 159558 | I-10 near St. Anthony - Elevated |
| 223121 | 2 | 36 | Orleans | 450-34 | 3.85 | I-0610 | 3.85 | 2010 | 75595 | 29.99102 | -90.06201 | 143251 | I-610 at Paquet Street - Elevated |
| 223101 | 2 | 36 | Orleans | 450-34 | 2.49 | I-0610 | 2.49 | 2010 | 70891 | 29.99278 | -90.08417 | 134693 | I-610 east of City Park - Insufficient space, vegetation, Limited accessibility |
| 223131 | 2 | 36 | Orleans | 450-34 | 4.26 | I-0610 | 4.26 | 2010 | 70576 | 29.99145 | -90.05519 | 134664 | I-610 at Spain Street - Elevated |
| 222501 | 2 | 36 | Orleans | 006-03 | 3.52 | US0090 | 256.66 | 2010 | 70054 | 29.94663 | -90.00881 | 133103 | S. Claiborne at MLK Blvd - Inaccessible, Similar count |
| 220211 | 2 | 36 | Orleans | 450-90 | 7.32 | I-0010 | 238.54 | 2010 | 69932 | 29.98889 | -90.0519 | 131714 | I-10 at Music St. - Elevated, inaccessible RR track |
| 219530 | 2 | 36 | Orleans | 450-90 | 15.82 | I-0010 | 247.04 | 2010 | 69178 | 30.05546 | -89.94624 | 131438 | I-10 near Kingswood Drive - Insufficient space |
| 223201 | 2 | 36 | Orleans | 450-34 | 0.74 | I-0610 | 0.74 | 2010 | 68015 | 29.99548 | -90.11314 | 129229 | Closest to near-road site |

Please note that the site is quite near the eighth highest traffic count site as well which is just south of the pictured area on I-10 and away from the elevated portion of the highway.

The site will initially include equipment to monitor nitrogen oxides (NO/NO₂/NO_x) by chemiluminescence, carbon monoxide (CO) by Gas Filter Correlation, and PM_{2.5} utilizing sequential FRM running 24 hours every three days. There will be a meteorological tower with sensors to measure wind speed and direction, and the sensor to perform traffic counts, utilizing the Wavetronix Radar Vehicle Sensing Device. The building will be able to house other monitoring equipment as required in the future.