



STATE OF LOUISIANA

DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF ENVIRONMENTAL ASSESSMENT

February 4, 2025

Scott Mason IV, Regional Administrator
US EPA Region 6
1201 Elm Street, Suite 500
Dallas, TX 75270

RE: State of Louisiana
Recommendations for Area Designations
2024 Particulate Matter 2.5 National Ambient Air Quality Standards (NAAQS)

Dear Administrator Mason:

In accordance with Section 107(d) of the Clean Air Act Amendments of 1990, LDEQ submits designation recommendations for the 2024 Particulate Matter 2.5 (PM_{2.5}) NAAQS, published on February 7, 2024 (89 FR 16202). These designation recommendations are based on a review of the quality-assured PM_{2.5} monitoring data for the period 2021-2023.

The recommended designations are outlined in the attached document. Of particular note are the recommendations for Caddo and West Baton Rouge Parishes. Further explanation is provided below.

In Caddo Parish, both Louisiana Department of Environmental Quality (LDEQ) and Environmental Protection Agency (EPA) Region 6 staff expressed concerns about the location of the Shreveport/Calumet Ambient Air Monitoring Site. These issues were discussed during site visits with EPA Region 6 staff in coordination with the 2014 and 2023 Technical System Audits¹. The site is located directly adjacent to a gravel parking lot that was established a number of years after monitoring commenced. The parking lot was used as a parking area for the industrial facility located adjacent to the property, further increasing particulate matter generation with the large number of vehicles entering and exiting the lot during shift changes. To compound issues, in recent years, the site had issues with encroaching vegetation that was no longer being maintained by the city and beyond LDEQ's control.

LDEQ believes the monitoring data at the Shreveport Calumet site was influenced by both the parking lot and vegetation and that the data is not representative of the area. In LDEQ's 2024 Annual Ambient Monitoring Network Plan, LDEQ proposed to relocate the site to a more

¹ Note: Due to COVID travel restrictions in place at the time, site visits were not conducted in coordination with the TSA performed in 2020.

suitable location. After nearly one year of evaluating proposed sites, LDEQ signed a lease with the City of Shreveport and relocated the monitoring equipment from the Shreveport/Calumet site to Ingleside Park. Sampling commenced at the relocated site, identified as the Shreveport Claiborne site in the Air Quality System (AQS), on September 27, 2024, which does not allow for the collection of the requisite minimum of three (3) years of data. Considering the issues with data influences at the Shreveport/Calumet site and the lack of a valid design value at the Shreveport Claiborne site, LDEQ is recommending a designation of unclassifiable for Caddo Parish at this time.

In West Baton Rouge Parish, LDEQ submitted two exceptional event demonstrations (EEDs), dated December 18, 2024, requesting EPA's concurrence with excluding data suspected to be influenced by exceptional events from design value calculations. The first demonstration described a Saharan Dust Outbreak that occurred during the period of June 12th through June 16th of 2022. This demonstration alone decreases the design value for the Port Allen monitoring site from $9.1\mu\text{g}/\text{m}^3$ to $8.9\mu\text{g}/\text{m}^3$. LDEQ believes this demonstration will be approved in its entirety. However, due to deadlines associated with submitting EEDs for initial area designations, in the event a portion of this demonstration is not approved, or if 2024 monitoring data again show an exceedance of the standard, LDEQ submitted a second EED for a Canadian Wildfire Event that occurred October 4th through 5th of 2023. Considering EPA's concurrence with these exceptional event analyses, LDEQ is recommending a designation of attainment for West Baton Rouge Parish.

We look forward to working closely with your staff over the next year on EPA's issuance of the final 2024 PM_{2.5} NAAQS designations. If you have any questions, please contact Mr. Jason Meyers, Administrator of the Air Planning and Assessment Division at 225-219-3408, or by email at jason.meyers@la.gov.

Sincerely,



Aurelia S. Giacometto
Secretary

c: Guy Donaldson, EPA Region 6

Attachment

State of Louisiana
2024 PM_{2.5} Designation Recommendations

Designated Area (Parish)	Recommended Designation
Acadia Parish	Unclassifiable
Allen Parish	Unclassifiable
Ascension Parish	Attainment
Assumption Parish	Unclassifiable
Avoyelles Parish	Unclassifiable
Beauregard Parish	Unclassifiable
Bienville Parish	Unclassifiable
Bossier Parish	Unclassifiable
Caddo Parish	Unclassifiable ¹
Calcasieu Parish	Attainment
Caldwell Parish	Unclassifiable
Cameron Parish	Unclassifiable
Catahoula Parish	Unclassifiable
Claiborne Parish	Unclassifiable
Concordia Parish	Unclassifiable
DeSoto Parish	Unclassifiable
East Baton Rouge Parish	Attainment
East Carroll Parish	Unclassifiable
East Feliciana Parish	Unclassifiable
Evangeline Parish	Unclassifiable
Franklin Parish	Unclassifiable
Grant Parish	Unclassifiable
Iberia Parish	Unclassifiable
Iberville Parish	Unclassifiable
Jackson Parish	Unclassifiable
Jefferson Davis Parish	Unclassifiable
Jefferson Parish	Attainment
La Salle Parish	Unclassifiable
Lafayette Parish	Attainment
Lafourche Parish	Attainment
Lincoln Parish	Unclassifiable
Livingston Parish	Attainment
Madison Parish	Unclassifiable
Natchitoches Parish	Unclassifiable
Orleans Parish	Attainment
Ouachita Parish	Attainment
Plaquemines Parish	Unclassifiable

¹ Caddo Parish recommended unclassifiable due to data influences at the Shreveport/Calumet site and lack of requisite minimum of three (3) years data at the Shreveport Claiborne site. See cover letter for details.

State of Louisiana
2024 PM_{2.5} Designation Recommendations

Designated Area (Parish)	Recommended Designation
Pointe Coupée Parish	Unclassifiable
Rapides Parish	Attainment
Red River Parish	Unclassifiable
Richland Parish	Unclassifiable
Sabine Parish	Unclassifiable
St. Bernard Parish	Attainment
St. Charles Parish	Unclassifiable
St. Helena Parish	Unclassifiable
St. James Parish	Unclassifiable
St. John the Baptist Parish	Unclassifiable
St. Landry Parish	Unclassifiable
St. Martin Parish	Unclassifiable
St. Mary Parish	Unclassifiable
St. Tammany Parish	Attainment
Tangipahoa Parish	Attainment
Tensas Parish	Unclassifiable
Terrebonne Parish	Attainment
Union Parish	Unclassifiable
Vermilion Parish	Unclassifiable
Vernon Parish	Unclassifiable
Washington Parish	Unclassifiable
Webster Parish	Unclassifiable
West Baton Rouge Parish	Attainment ²
West Carroll Parish	Unclassifiable
West Feliciana Parish	Unclassifiable
Winn Parish	Unclassifiable

² West Baton Rouge Parish recommended attainment based on two exceptional event demonstrations (EEDs), June 12 – 16, 2022 Saharan Dust Outbreak and October 4-5, 2023 Canadian Wildfire Event. See cover letter for details.