AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Air Quality Division, LR 13:741 (December 1987).

§917. Variances

A. Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations.

B. No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Air Quality Division, LR 13:741 (December 1987).

§918. Nonattainment Areas and Adjoining Parishes List

A. For the purposes of the emissions inventory requirements set forth in LAC 33:III.919, the parishes located in the nonattainment areas as of June 1, 2011, as well as the parishes that adjoin the nonattainment areas, are listed in Tables 1-6 in Subsection B of this Section. Any parish designated by the EPA as a nonattainment area after June 1, 2011, or adjoining a nonattainment area designated by EPA after June 1, 2011, may not be listed in Tables 1-6 in Subsection B of this Section, but a facility located in that parish is nevertheless subject to the requirements of LAC 33:III.919.A.1.a. Any facility located in a parish listed as a nonattainment area in Tables 1-6 in Subsection B of this Section and is redesignated by EPA as an attainment area after June 1, 2011, or adjoins a nonattainment area redesignated by EPA as an attainment area after June 1, 2011, shall continue to be subject to the requirements of LAC 33:III.919.A.1.a until otherwise directed by the department.

B. The following tables list all of the parishes located in the nonattainment areas as of June 1, 2011, as well as those parishes that adjoin the nonattainment areas.

Table 1
Carbon Monoxide (CO) Nonattainment Areas and Adjoining Parishes

Parish Code	Nonattainment Parish(es)
	None
Parish Code	Adjoining Parishes to Nonattainment Areas
	None

Table 2
Lead (Pb) Nonattainment Areas and Adjoining Parishes

Parish Code	Nonattainment Parish(es)
	None
Parish Code	Adjoining Parishes to Nonattainment Areas
	None

Table 3
Nitrogen Dioxide (NO_2) Nonattainment Areas and Adjoining Parishes

Parish Code	Nonattainment Parish(es)
	None
Parish Code	Adjoining Parishes to Nonattainment Areas
	None

Table 4
Ozone Nonattainment Areas and Adjoining Parishes

Parish Code	Nonattainment Parish(es)
0180	Ascension
0840	East Baton Rouge
1280	Iberville
1740	Livingston
3120	West Baton Rouge
Parish Code	Adjoining Parishes to Nonattainment Areas
0200	Assumption
0880	East Feliciana
1260	Iberia
2260	Pointe Coupee
2540	Saint Helena
2560	Saint James
2580	Saint John the Baptist
2620	Saint Martin
2840	Tangipahoa
3160	West Feliciana

Table 5
Particulate Matter (PM10 or PM2.5) Nonattainment Areas and Adjoining Parishes

Parish Code	Nonattainment Parish(es)
	None
Parish Code	Adjoining Parishes to Nonattainment Areas
	None

Table 6
Sulfur Dioxide (SO_2) Nonattainment Areas and Adjoining Parishes

Parish Code	Nonattainment Parish(es)
2500	St. Bernard
Parish Code	Adjoining Parishes to Nonattainment Areas
2140, 2240	Orleans and Plaquemines

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Air Quality Division, LR 13:741 (December 1987), amended by the Office of Air Quality and Radiation Protection, Air Quality Division, LR 22:339 (May 1996), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:2450 (November 2000), LR 29:2776 (December 2003), amended by the Office of the Secretary, Legal Affairs Division, LR 31:2438 (October 2005), LR 33:2083 (October 2007), LR 37:3221 (November 2011), amended by the Office of the Secretary, Legal Division, LR 40:1691 (September 2014).

§919. Emissions Inventory

A. Applicability

1. The provisions of this Section apply to the owner or operator of any facility located in Louisiana that meets any of the following criteria at any time during a reporting year:

a. the facility is located in a nonattainment area or an adjoining parish as listed in LAC 33:III.918.B, Tables 1-6, and the facility emits, has the *potential to emit,* as defined in LAC 33:III.502.A, or is permitted to emit a pollutant that meets or exceeds any threshold value listed in Tables 1-6, with the corresponding pollutant in the table name, of Paragraph A.2 of this Section;

b. the facility is located in an attainment parish and the facility emits, has the *potential to emit* as defined in LAC 33:III.502.A, or is permitted to emit a pollutant that meets or exceeds any threshold value listed in Table 7 in Paragraph A.2 of this Section;

c. the facility is defined as a major stationary source of hazardous air pollutants in Section 112(a)(1) of the federal Clean Air Act (CAA), or a *major source* of toxic air pollutants as defined in LAC 33:III.5103;

d. the facility has a 40 CFR Part 70 (Title V) operating permit regardless of emissions;

e. the facility has a portable source permit in accordance with LAC 33:III.513, operates at any time during a reporting year in a nonattainment area or an adjoining parish, and meets the applicability criteria of Subparagraph A.1.a of this Section; or

f. the facility is required by rule or permit to submit an emissions inventory.

2. The following tables list emissions threshold values that require the submission of an emissions inventory.

Table 1
Carbon Monoxide (CO) Nonattainment Area and Adjoining Parishes: Emissions Threshold Values

Pollutant	Nonattainment Area Threshold Value (tons/year)	Adjoining Parishes to Nonattainment Area Threshold Value (tons/year)
Ammonia (NH_3)	10	10
CO	10	50
Lead (Pb)	5	5
NO_X	100	100
PM_{10} or $PM_{2.5}$	100	100
SO_2	100	100
VOC	100	100

Table 2
Lead (Pb) Nonattainment Area and Adjoining Parishes: Emissions Threshold Values

Pollutant	Nonattainment Area Threshold Value (tons/year)	Adjoining Parishes to Nonattainment Area Threshold Value (tons/year)
Ammonia (NH_3)	10	10
CO	100	100
Lead (Pb)	5	5
NO_X	100	100
PM_{10} or $PM_{2.5}$	100	100
SO_2	100	100
VOC	100	100

Table 3
Nitrogen Dioxide (NO2) Nonattainment Area and Adjoining Parishes: Emissions Threshold Values

Pollutant	Nonattainment Area Threshold Value (tons/year)	Adjoining Parishes to Nonattainment Area Threshold Value (tons/year)
Ammonia (NH3)	10	10
CO	100	100
Lead (Pb)	5	5
NOX	10	50
PM10 or PM2.5	100	100
SO2	100	100
VOC	100	100

Table 4
Ozone Nonattainment Area and Adjoining Parishes: Emissions Threshold Values

Pollutant	Nonattainment Area Threshold Value (tons/year)	Adjoining Parishes to Nonattainment Area Threshold Value (tons/year)
Ammonia (NH3)	10	10
CO	100	100
Lead (Pb)	5	5
NOX	25	100
PM10 or PM2.5	100	100
SO2	100	100
VOC	10	50

Table 5
Particulate Matter (PM10 or PM2.5) Nonattainment Area and Adjoining Parishes: Emissions Threshold Values

Pollutant	Nonattainment Area Threshold Value (tons/year)	Adjoining Parishes to Nonattainment Area Threshold Value (tons/year)
Ammonia (NH3)	10	10
CO	100	100
Lead (Pb)	5	5
NOX	10	50
PM10 or PM2.5	10	50
SO2	10	50
VOC	10	50

Table 6
Sulfur Dioxide (SO_2) Nonattainment Area and Adjoining Parishes: Emissions Threshold Values

Pollutant	Nonattainment Area Threshold Value (tons/year)	Adjoining Parishes to Nonattainment Area Threshold Value (tons/year)
Ammonia (NH_3)	10	10
CO	100	100
Lead (Pb)	5	5
NO_X	100	100
PM_{10} or $PM_{2.5}$	100	100
SO_2	10	50
VOC	100	100

Table 7	
Attainment Areas: Emissions Threshold Values	
Pollutant	**Threshold Value (tons/year)**
Ammonia (NH3)	10
CO	100
Lead (Pb)	5
NOX	100
PM10 or PM2.5	100
SO2	100
VOC	100

3. The requirements of this Section do not apply to *mobile sources* or *nonpoint sources* as defined in Subsection E of this Section.

B. The applicability of this Section for contiguous *agency interests* (*AIs*), as defined in Subsection E of this Section, shall be determined by a threshold value that is the greater of:

1. the sum of the actual emissions;

2. the sum of the potentials to emit; or

3. the sum of permitted emissions for all contiguous AIs. However, the emissions inventory shall be reported separately for each AI.

C. The owner or operator of any facility meeting the applicability criteria in Subparagraph A.1.a of this Section and located in any parish listed as a nonattainment area in LAC 33:III.918.B, Tables 1-6, but redesignated by EPA as an attainment area after June 1, 2011, or adjoins a nonattainment area redesignated by EPA as an attainment area after June 1, 2011, shall continue to be subject to Subparagraph A.1.a of this Section until otherwise directed by the department.

D. Once a facility meets the applicability criteria of Subparagraph A.1.a, b, c, d, e, f, g, or h of this Section, the owner or operator of the facility shall continue to submit an emissions inventory until otherwise directed by the department.

1. If a facility no longer meets any applicability criteria under Paragraph A.1 of this Section for one full calendar year, the owner or operator may request approval from the department in writing to discontinue submission of an emissions inventory. All such requests shall be submitted to the Office of Environmental Assessment.

a. An owner or operator who has submitted a request for approval to discontinue submission of an emissions inventory shall continue to submit an emissions inventory unless the owner or operator has received a response of approval from the department.

b. A request for departmental approval to discontinue submission of an emissions inventory will be considered if one or more of the following conditions have been met for one full calendar year:

i. the facility's permit has been rescinded and the most current emissions inventory shows the emissions to be below the applicable reporting thresholds in Paragraph A.2 of this Section;

ii. the facility has been permitted to emit pollutants below the reporting thresholds in Paragraph A.2 of this Section and the most current emissions inventory shows the emissions to be below the reporting thresholds;

iii. the facility's potential to emit has been below the applicable reporting thresholds in Paragraph A.2 of this Section and the most current emissions inventory shows the emissions to be below the reporting thresholds;

iv. the facility has not been a major stationary source of hazardous air pollutants in accordance with section 112(a)(1) of the federal Clean Air Act (CAA) or a major source of toxic air pollutants in accordance with LAC 33:III.Chapter 51;

v. the facility does not have a 40 CFR Part 70 (Title V) operating permit;

vi. the owner or operator of the facility is not required by rule or permit to submit an emissions inventory; or

vii. the facility operates in a nonattainment area or an adjoining parish and does not have a portable source permit as required by LAC 33:III.513.

2. No facility classes or categories are exempted from emissions inventory reporting.

E. Definitions. For the purposes of this Section, the terms below will have the meaning given herein.

Actual Emissions—a calculation, measurement, or estimate, in accordance with Subsection G of this Section, of the amount of a pollutant actually emitted during a calendar year or other period of time.

Agency Interest (AI)—any entity that is being regulated or is of interest to the department. Conceptually, an *agency interest* can be a site, facility, mobile source, area source, a person, or an organization.

Attainment Area—an area of the state that is not listed as a nonattainment area by the U.S. Environmental Protection Agency.

Certified—the status of an emissions inventory once the department has received both the emissions inventory and the certification statement required by this Section.

Contiguous Facilities—facilities under common control separated by 0.25 miles or less.

Control Efficiency—the percentage by which a control system or technique reduces the emissions from a source.

Control System—a combination of one or more capture system(s) and control device(s) working in concert to reduce discharges of pollutants to the ambient air.

Emissions Factor—the ratio relating emissions of a specific pollutant to an activity or material throughput level.

Facility—all emissions sources from *stationary point sources*, as defined in LAC 33:III.605, under common control on contiguous property.

NOTE: A facility can be one or more AIs, and each AI must comply individually with Subsection C of this Section.

Flash Gas Emissions—emissions from depressurization of crude oil or condensate when it is transferred from a higher pressure to a lower pressure tank, reservoir, or other type of container.

Fugitive Emissions—emissions that do not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

Mobile Source—a motor vehicle, nonroad engine, or nonroad vehicle where:

a. a *motor vehicle* is any self-propelled vehicle used to carry people or property on a street or highway;

b. a *nonroad engine* is an internal combustion engine (including the fuel system) that is not used in a motor vehicle or a vehicle used solely for competition, and that is not affected by sections 111 or 202 of the CAA; and

c. a *nonroad vehicle* is a vehicle that is run by a nonroad engine and is not a motor vehicle or a vehicle used solely for competition.

National Ambient Air Quality Standard (NAAQS)—a standard established in accordance with section 109 of the CAA, including but not limited to, standards for carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO_2), ozone, particulate matter ($PM_{2.5}$ and PM_{10}), and sulfur dioxide (SO_2).

Nonattainment Area—an area (parish or group of parishes) that has been declared by the administrative authority to be not in compliance with a federal national ambient air quality standard and that is listed in the *Federal Register* as a *nonattainment area*.

Nonpoint Sources (previously known as *area sources*)—collectively represent individual sources that have not been inventoried as specific point or mobile sources. These individual sources treated collectively as *nonpoint sources* are typically too small, numerous, or difficult to inventory using the methods for the other classes of sources.

Ozone Season—except as provided in LAC 33:III.2202, the period from May 1 to September 30, inclusively, of each year.

Process—an operation or function by a source that produces emissions, characterized by a Source Classification Code (SCC).

Release Point—the point where emissions from one or more processes are released into the atmosphere.

Reporting Period—the time frame during the reporting year for which emissions are being reported.

Reporting Year—the year for which an emissions inventory is being submitted.

Routine Operations—operations, not including any start-up/shutdown emissions, that are authorized and/or permitted by the department.

Source—the point at which the emissions are generated, typically a piece of, or a closely related set of, equipment.

F. Requirements

1. Data for emissions inventory and the certification statements shall be collected annually. The owner or operator of each facility that meets the applicability criteria of Paragraph A.1 of this Section shall submit both an emissions inventory and a certification statement required by Subparagraph F.1.c of this Section, separately for each AI, for all air pollutants for which a NAAQS has been issued and for all NAAQS precursor pollutants in a format specified by the department.

a. Both the emissions inventory and the certification statement required by Subparagraph F.1.c of this Section shall include actual emissions in tons per year of ammonia (NH_3), carbon monoxide (CO), lead (Pb), nitrogen oxides (NO_X), particulate matter of less than 10 microns (PM_{10}), particulate matter of less than 2.5 microns ($PM_{2.5}$), sulfur dioxide (SO_2), and volatile organic compounds (VOC).

i. In addition to the requirements of Subsection C of this Section, the owner or operator of any facility located in the parish of Ascension, East Baton Rouge, Iberville, Livingston, St. Charles, St. James, St. John the Baptist, or West Baton Rouge is required to include actual emissions in tons per year of ethylene and propylene in both the emissions inventory and the certification statement required by Subparagraph F.1.c of this Section.

ii. Supporting Information. In order to meet federal emissions inventory requirements and regulations, support modeling analyses, permit projection of future control strategies, allow the measurement of progress in reducing emissions, facilitate preparation of state implementation plans, provide data for setting baselines for future planning, and for answering public requests for information, the emissions inventory shall include, but is not limited to, the required information listed in the following table. The emissions inventory shall also include all data required by the reporting system and applicable to the facility. The information provided does not constitute permit limits. Submittal of a report of excess emissions above allowable limits under this regulation does not pre-empt the need for compliance with provisions of LAC 33:III.Chapter 5 that require a permit request to initiate or increase emissions; nor does it qualify as a notice of excess emissions.

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
I. Inventory Information — Information describing the inventory being submitted.		
Reporting Year	The calendar year for which emissions estimates are calculated	Required
Inventory Type	The type of pollutants for which the inventory will contain	Required

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
Reporting Period Start Date	The first day of the reporting period	Required
Reporting Period End Date	The last day of the reporting period	Required
II. Facility Information — Information describing the facility (AI) for which the inventory is being submitted. A facility corresponds to one AI Number.		
Facility ID (AI Number)	Unique ID assigned by the department to each facility	Required
Facility Name	Facility name of the AI	Required
Owner	Name of person(s) or entity(ies) that own(s) the facility	Required
Owner Address	Mailing address of owner(s) of the facility	Required
Owner City	City of mailing address of owner(s) of the facility	Required
Owner State	State of mailing address of the owner(s) of the facility	Required
Owner Zip	Zip code of mailing address of the owner(s) of the facility	Required
Owner Phone	Phone number of the owner(s) of the facility	Required
Operator	Name of person(s) or entity(ies) that operate(s) the facility, if different from owner	Optional
Facility Description	Description of business conducted at facility	Required
Facility Status	Operating status of the facility during the reporting period	Required
Address	Address of facility's physical location	Required
City	City of facility's physical location	Required
Parish	Parish of facility's physical location	Required
State	State of facility's physical location	Required
Zip Code	Zip code of facility's physical location	Required
Longitude (decimal degrees)	Longitude of facility front gate	Optional
Latitude (decimal degrees)	Latitude of facility front gate	Optional
UTM Easting (meters)	UTM easting of facility front gate (Universal Transverse Mercator easting is the distance east from 60 central meridians of 6-degree-wide zones starting at longitude 180 degrees)	Required
UTM Northing (meters)	UTM northing of facility front gate (Universal Transverse Mercator northing is the distance north from the equator)	Required
UTM Zone	Universal Transverse Mercator zone of facility front gate [15 or 16]	Required
Datum	Code that represents the reference datum used to determine the location coordinates	Required
Primary SIC Code	Standard Industrial Classification (SIC) code for the entire facility	Required
Primary NAICS Code	North American Industrial Classification System (NAICS) code for the entire facility	Required
ORIS Code	Four digit number assigned by the Energy Information Agency (EIA) at the U.S. Department of Energy to power plants owned by utilities	Optional
Comments	Miscellaneous information	Optional
III. Contact Information — Information describing the contact person(s) for each facility (AI).		
Contact Type	Emissions inventory (EI) facility contact person, EI consultant, EI billing party, or other	Required — Both EI billing party and EI facility contact are required.
Name	First and last name of contact person	Required
Title	Contact person's title	Required
Company	Name of company that employs the contact person, if any	Required
Address	Contact person's mailing address	Required
City	Contact person's city	Required
State	Contact person's state	Required
Zip Code	Contact person's zip code	Required
Email	Email address of contact person	Required
Phone	Phone number of contact person	Required
IV. Source Information — Information describing the point at which the emissions are generated; typically a piece of, or a closely related set of, equipment.		
Source ID	Unique identification assigned to the source by the facility and reported consistently over time	Required
NEDS ID	The National Emissions Data System (NEDS) point identification for the source from the department's legacy Emissions Inventory System	Optional
Subject Item ID	Subject item identification assigned by the department to the source, if available	Required
Source Description	Description of source	Required
Source Type	The type of equipment or unit that generates the emissions. Examples include heaters, boilers, flares, storage tanks, cooling towers, fugitive emissions, and spills.	Required
Permit Number	The number under which the source is permitted by the department.	Required, where applicable
EIQ Number	Emission Inventory Questionnaire (EIQ) number from the permit application	Required, where applicable
Status	Operating status of the source during the reporting period	Required
Permanent Shutdown Date	Date source was permanently taken out of service/no longer operating	Required if status is "permanently shutdown"
SIC Code	Standard Industrial Classification (SIC) code for the source	Required
NAICS Code	North American Industry Classification System (NAICS) code for the source	Optional
Comments	Miscellaneous information	Optional
Maximum Design Rate (MM BTU/hour)	Maximum design heat input	Optional

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
Firing Type	Describes the burner type for boilers: front, opposed, tangential, internal, or other	Optional
Serial Number	Serial number of equipment, if available	Optional
Construction Date	Date source was constructed, not put into operation	Optional
Initial Start-up Date	Date source actually started operating	Optional
Maximum Nameplate Capacity (megawatts)	For electrical generators powered by combustion unit(s), the maximum electrical generating output in megawatts (MW) that the generator is capable of producing on a steady-state basis and during continuous operation	Optional
Engine Rating (horsepower)	Power rating in horsepower (HP) for engines	Optional
V. Process Information — Information describing the operation or function by a source that produces emissions, characterized by a Source Classification Code (SCC). Process information is not required for source types that are "Fugitive Emission," "GV XVII Emissions" and "Insignificant Activities."		
Process ID	Unique identification for the process assigned by the facility and reported consistently over time	Required
Source ID	Facility-assigned source identification that applies to this process record	Required
Process Description	Description of the emission process	Required
Status	Operating status of the process during the reporting period	Optional
Permanent Shutdown Date	Date process was permanently taken out of service/no longer operating	Required, if Status is "permanently shutdown"
Confidentiality	Flag indicating whether or not a declaration of confidentiality has been requested and granted by the secretary per LAC 33:I.Chapter 5, covering the process information	Optional
SCC	Source Classification Code (SCC) — a ten-digit EPA-developed code used to associate air pollution estimates with unique, identifiable industrial processes	Required
Material Name	Name of primary material used or produced by this process (the material on which the emissions calculations are based)	Required
Average Annual Throughput	Average annual throughput of material for the process	Required
Annual Throughput Units	Unit of measure for average annual throughput	Required
Average Ozone Season Throughput	Average daily throughput of material for the process during the ozone season	Required for facilities in ozone nonattainment areas
Ozone Season Throughput Units	Unit of measure for average ozone season throughput	Required for facilities in ozone nonattainment areas

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
Annual Average Ash Content	For solid fuels, the concentration of ash produced by the fuel, expressed as a percentage of total fuel weight averaged over the reporting period for the process	Required
Ozone Season Average Ash Content	For solid fuels, the concentration of ash produced by the fuel, expressed as a percentage of total fuel weight averaged over the emissions inventory ozone season for the process	Optional
Annual Average Sulfur Content	The concentration of sulfur in the fuel, expressed as a percentage of fuel weight averaged over the reporting period for the process	Required
Ozone Season Average Sulfur Content	The concentration of sulfur in the fuel, expressed as a percentage of fuel weight averaged over the emissions inventory ozone season for the process	Optional
Annual Average Heat Content	Total annual heat input for combustion units	Required
Annual Average Heat Content Units	Unit of measure for annual average heat content	Required
Ozone Season Average Heat Content	Total heat input for combustion units during Ozone Season	Required for facilities in ozone nonattainment areas
Ozone Season Average Heat Content Units	Unit of measure for ozone season average heat content	Required for facilities in ozone nonattainment areas
Spring Throughput	Seasonal operating percentage—the percentage of total annual throughput that occurs during the spring season, March through May	Required
Summer Throughput	Seasonal operating percentage—the percentage of total annual throughput that occurs during the summer season, June through August	Required
Fall Throughput	Seasonal operating percentage—the percentage of total annual throughput that occurs during the fall season, September through November	Required
Winter Throughput	Seasonal operating percentage—the percentage of total annual throughput that occurs during the winter season, January, February, and December of the same calendar year	Required
Average Hours per Day	The actual number of hours per day for which the process is in operation	Required
Average Days per Week	The actual number of days per week for which the process is in operation	Required
Total Weeks	The actual number of weeks per year for which the process is in operation	Required

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
VI. Emission Factor — Information describing a ratio relating emissions of a specific pollutant to an activity or material throughput level. The emissions factor describes the calculation for a pollutant emitted by a specific process. The emissions calculation is of the form E = A * EF, where E is the emissions, A is the material or activity rate, and EF is the emission factor. The emission factor is required when using an emissions factor to calculate emissions.		
Process ID	Facility-assigned process identification to which the emission factor applies	Required
Pollutant	Pollutant for which the emission factor applies	Required
Emission Factor	Emission factor numeric value for the specified pollutant	Required
Emissions Units	The numerator unit for the emission factor (i.e., the unit of the emissions calculated by the factor).	Required
Material or Activity	Material name for emission factor	Required
Material or Activity Rate	The denominator unit for the emission factor (i.e., the unit for the material throughput).	Required
Emission Factor Source	Source of the emission factor (stack test, AP-42, etc.)	Required
VII. Control System Information — Information describing the system where control measures are applied at or to a source or process to reduce the amount of a pollutant released into the environment. The information describes the control equipment chain (series of one or more control devices) that is used to control or abate emissions from a source. The control system information is required when control efficiency is used to calculate emissions.		
Control System ID	Unique identification assigned to the control system by the facility and reported consistently over time	Required
Subject Item ID	Subject item identification assigned by the department to the control equipment, if available	Required
Control System Description	Description of the control equipment chain	Required
Status	Operating status of the release point during the reporting period	Optional
Primary Device Type	Type of primary control device (e.g., flare, scrubber, condenser, and vapor recovery unit)	Required
Secondary Device Type	Secondary control device in series, not intended for backup or alternate control devices. Required if the control system has more than one control device in series.	Required, where applicable
VIII. Control Efficiency — Information describing the percentage by which a control system or technique reduces the emissions from a source. The control efficiency is required when control efficiency is used to calculate emissions.		
Control System ID	Unique identification assigned to the control system by the facility and reported consistently over time	Required
Pollutant	Pollutant for which the control efficiency applies	Required
Primary Device Efficiency	Emission reduction efficiency of the primary control device (percent)	Optional
Secondary Device Efficiency	Emission reduction efficiency of the secondary control device (percent)	Optional
Total Efficiency	Net emission reduction efficiency of all emissions collection devices (percent)	Required
IX. Release Point Information — Information describing the point where emissions from one or more processes are released into the atmosphere.		
Release Point ID	Unique identification assigned to the release point by the facility and reported consistently over time	Required
Subject Item ID	Subject item identification assigned by the department to the release point, if available	Required
Release Point Description	Description of emissions release point	Required
Release Point Type	Release point type (e.g., vertical stack, horizontal stack, gooseneck stack, and area)	Required
Status	Operating status of the release point during the reporting period	Optional
Permanent Shutdown Date	Date release point was permanently taken out of service/no longer operating	Required, if Status is "permanently shutdown"
Height (feet)	Physical height of release point above the surrounding terrain	Required
Diameter (feet)	Diameter of the release point	Required
Width (feet)	Width of area for area release point types. This is the shorter dimension of the rectangular area over which the emissions occur.	Required for fugitive and area release point types
Length (feet)	Length of area for area release point types. This is the longer dimension of the rectangular area over which the emissions occur.	Required for fugitive and area release point types
Orientation (degrees)	Orientation (bearing) of long axis of area release point types for fugitive or area sources, measured in degrees of clockwise rotation from true north. For stack or vent release point types, the orientation of the release point from vertical	Required
Flow Rate (feet^3/second)	Exit gas flow rate (actual cubic feet per second)	Required
Velocity (feet/second)	Exit gas velocity	Required
Temperature (degrees Fahrenheit)	Exit gas temperature at release point (if unknown, ambient temperature of 78 degrees Fahrenheit)	Required
Moisture Content (%)	Moisture content of exit gas stream, designated as a percentage	Optional
Longitude (decimal degrees)	Longitude of release point	Optional
Latitude (decimal degrees)	Latitude of release point	Optional
UTM Easting (meters)	Universal Transverse Mercator easting of release point	Required
UTM Northing (meters)	Universal Transverse Mercator northing of release point	Required
UTM Zone	Universal Transverse Mercator zone of release point [15 or 16]	Required
Datum	Code that represents the reference datum used to	Required

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
	determine the location coordinates	
Accuracy (meters)	Measure of accuracy of the release point coordinates (if using GPS reading, accuracy of GPS device)	Required
Horizontal Collection Method	Method used to measure or estimate the release point coordinates (e.g., USGS quad, satellite photo, GPS, address geocoding, or other)	Required
X. Portable Source Location — Information describing the specific location or locations at which a portable source released emissions over the reporting period. This is applicable to facilities operated and permitted under LAC 33:III.513.		
Location ID	Unique identification assigned by facility to the location and reported consistently over time, if any	Required
Release Point ID	Facility-assigned release point identification for which this is a supplemental location, if any	Required
Start Date	Date the release point was moved to this location	Required
End Date	Date the release point was moved from this location	Required
Parish	Parish containing this location	Required
Longitude (decimal degrees)	Longitude of release point at this location	Optional
Latitude (decimal degrees)	Latitude of release point at this location	Optional
UTM Easting (meters)	Universal Transverse Mercator easting of release point at this location	Required
UTM Northing (meters)	Universal Transverse Mercator northing of release point at this location	Required
UTM Zone	Universal Transverse Mercator zone of release point [15 or 16] at this location	Required
Datum	Code that represents the reference datum used to determine the location coordinates	Required
Accuracy (meters)	Measure of accuracy of the location's release point coordinates (if using GPS reading, accuracy of GPS device)	Required
Horizontal Collection Method	Method used to measure or estimate the location's release point coordinates (e.g., USGS quad, satellite photo, GPS, address geocoding, or other)	Required
XI. Emissions Record — Information describing the emissions for a specified combination of process (source and operating mode), control equipment, and release point.		
Source ID	Facility-assigned source identification for this emission record	Required
Process ID	Facility-assigned process identification for this emission record	Required
Control System ID	Facility-assigned control system identification for this emission record	Optional
Release Point ID	Facility-assigned release point identification for this emission record	Required
Location ID	Facility-assigned location identification if this is a portable source operating at a location other than the location on the release point record	Optional
Emission Type	Routine, start-up/shutdown, upset/malfunction/other, variance [NOTE: Separate emission records must be submitted showing the total and ozone season emissions for each applicable category.]	Required
Pollutant	Pollutant emitted	Required
Total Emissions	Total emissions of specified pollutant for the reporting period	Required
Emissions Units	Unit of measure for total emissions (tons or pounds)	Required
Estimation Method	The method used to calculate or estimate emissions (AP-42, mass balance, etc.)	Required
Ozone Season Emissions (pound/day)	Ozone season average daily emissions of specified pollutant	Required for facilities in ozone nonattainment areas
Ozone Season Estimation Method	A code indicating the method used to calculate or estimate emissions (AP-42, mass balance, etc.)	Required for facilities in ozone nonattainment areas
Number of Start-ups	Number of start-up events for which this record applies (only for emissions records of permitted start-ups/shutdowns)	Optional
Number of Shutdowns	Number of shutdown events for which this record applies (only for emissions records of permitted start-ups/shutdowns)	Optional

iii. Ozone Nonattainment Area Requirement. In addition to the requirements of Subsection C of this Section, the owner or operator of any facility located in an ozone nonattainment area that meets the applicability criteria of Subparagraph A.1.a of this Section shall submit an emissions inventory that includes:

(a). ozone season average daily emissions (in pounds/day) of CO, NO_X, VOC, ethylene, and propylene;

(b). average ozone season throughput;

(c). ozone season average heat content (in MMBtu/ozone season); and

(d). ozone season estimation method for emissions of CO, NO_X, VOC, ethylene, and propylene.

b. Actual emissions shall be reported for all sources of emissions at a facility, including but not limited to, emissions from routine operations, General Condition XVII emissions (as described in LAC 33:III.537), fugitive

emissions, flash gas emissions, emissions from insignificant sources (as described in LAC 33:III.501.B.5, Insignificant Activities List, A—Based on Size or Emission Rate, and D—Exemptions Based on Emissions Levels), emissions occurring during maintenance, start-ups, shutdowns, upsets, and downtime, and emissions in excess of permit emission limitations, regardless of the amount.

c. Certification Statement. A certification statement, required by Section 182(a)(3)(B) of the federal Clean Air Act, shall be signed by a *responsible official*, as defined in LAC 33:III.502.A, for the facility or facilities and shall be submitted for each emissions inventory to attest that the information contained in the inventory is true and accurate to the best knowledge of the certifying official. The certification statement shall include the full name, title,

signature, date of signature, and telephone number of the certifying official.

d. Both the emissions inventory and the certification statement required by Subparagraph F.1.c of this Section shall be submitted to the Office of Environmental Services by April 30 of each year (for the reporting period of the previous calendar year that coincides with period of ownership or operatorship), unless otherwise directed by the department. Any subsequent revisions shall be accompanied by a certification statement.

i. The owner or operator of any facility located in a parish designated by EPA as a nonattainment area or within a nonattainment area after June 1, 2011, and that meets the applicability criteria in Subparagraph A.1.a of this Section, shall submit both an emissions inventory and the certification statement required by Subparagraph F.1.c of this Section to the Office of Environmental Services by April 30 of the year following the first full calendar year of the nonattainment designation by EPA, unless otherwise directed by the department.

ii. The owner or operator of any facility located in a parish that adjoins a parish designated by EPA as a nonattainment area or within a nonattainment area after June 1, 2011, and that meets the applicability criteria in Subparagraph A.1.a of this Section, shall submit both an emissions inventory and the certification statement required by Subparagraph F.1.c of this Section to the Office of Environmental Services by April 30 of the year following the first full calendar year of the nonattainment designation by EPA, unless otherwise directed by the department.

iii. The owner or operator of any facility that has a portable source permit in accordance with LAC 33:III.513 and meets the applicability criteria in Paragraph A.1 of this Section shall submit both an emissions inventory and the certification statement required by Subparagraph F.1.c of this Section for the entire period of ownership or operatorship during the reporting year.

2. The reporting period of both the emissions inventory and the certification statement required by Subparagraph F.1.c of this Section, shall coincide with the period of ownership or operatorship during the reporting year. When there is a change of ownership of any facility to which this Section applies, submitted in accordance with LAC 33:III.517.G, at any time during a reporting year, each owner shall submit both an emissions inventory and certification statement required by Subparagraph F.1.c of this Section, with a start and/or end date that coincides with the date of transfer of ownership or operatorship.

3. Special Inventories. Upon request by the administrative authority, the owner or operator of any facility subject to LAC Title 33 shall file additional emissions data with the department. The request shall specify a reasonable time for response that shall not be less than 60 days from receipt of the request.

4. The department will post a notice on the department's website (www.deq.louisiana.gov) advising of any planned changes in required data elements or reporting format, so that entities subject to reporting requirements under this Section will be able to make the necessary adjustments.

G. Calculations. Actual measurement with continuous emissions monitoring systems (CEMS) or approved stack testing shall be used for reporting of emissions from an emissions point when such data exists. In the absence of CEMS or stack test data, emissions shall be calculated using methods found in the most recent edition, as of December 31 of the current reporting year, of EPA's Compilation of Air Pollution Emission Factors (AP-42), calculations published in engineering journals, and/or EPA or department-approved estimation methodologies.

H. Enforcement. The department reserves the right to initiate formal enforcement actions, under R.S. 30:2025, for failure to submit emissions inventories as required in this Section.

I. Fees. The annual emissions inventory will be used to assess the criteria pollutant annual fee in accordance with LAC 33:III.223.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Air Quality Division, LR 13:741 (December 1987), repealed and repromulgated by the Office of Air Quality and Radiation Protection, Air Quality Division, LR 19:184 (February 1993), repromulgated LR 19:485 (April 1993), amended LR 19:1418 (November 1993), LR 20:1101 (October 1994), LR 22:339 (May 1996), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:2450 (November 2000), LR 29:2776 (December 2003), amended by the Office of the Secretary, Legal Affairs Division, LR 31:2438 (October 2005), LR 32:241 (February 2006), LR 33:2084 (October 2007), LR 37:3222 (November 2011), amended by the Office of the Secretary, Legal Affairs and Criminal Investigations Division, LR 43:2137 (November 2017).

§921. Stack Heights

This regulation applies to all stacks in existence and all dispersion techniques implemented since December 31, 1970.

A. Definitions. For the purpose of this Section, the terms below will have the meaning herein given.