Title 33

ENVIRONMENTAL QUALITY

Part III. Air

Chapter 1. General Provisions

§111. Definitions

A. When used in these rules and regulations, the following words and phrases shall have the meanings ascribed to them below, unless specifically defined elsewhere.

*** * ***

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 LR 14:348 (June 1988), LR 15:1061 (December 1989), amended by the Office of Air Quality and Radiation Protection, Air Quality Division, LR 17:777 (August 1991), LR 21:1081 (October 1995), LR 22:1212 (December 1996), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:2444 (November 2000), amended by the Office of the Secretary, Legal Affairs Division, LR 32:808 (May 2006), LR 32:1599 (September 2006), LR 33:2082 (October 2007), LR 34:70 (January 2008), LR 35:1101 (June 2009), LR 36:1773 (August 2010),LR 37:**.

Chapter 3. Regulatory Permits

§311. Regulatory Permit for Emergency Engines

A. – J. …

K. Emissions Inventory. Each facility subject to LAC 33:III.919 shall include emissions from all emergency engines, including temporary units, authorized by this regulatory permit in its annual emissions inventory~~statement~~.

L. – M. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of the Secretary, Legal Affairs Division, LR 35:459 (March 2009), amended LR 37:**.

Chapter 5. Permit Procedures

§501. Scope and Applicability

A. – B.8. …

C. Scope

1. – 10. …

11. Emissions shall be calculated in accordance with LAC 33:III.919.GC.

12. Emissions estimation methods set forth in theEPA's Compilation of Air Pollution Emission Factors (AP-42) and other department-accepted estimation methods may be promulgated or revised. As a result of new or revised AP-42 emission factors for sources or source categories and/or department-accepted estimation methods, changes in calculated emissions may occur. Changes in reported emission levels as required by LAC 33:III.919.FB.2.a due solely to revised AP-42 emission factors or department-accepted estimation methods do not constitute violations of the air permit; however, the department may evaluate changes in emissions on a case-by-case basis, including but not limited to, assessing compliance with other applicable Louisiana air quality regulations.

13. If the emission factors or estimation methods for any source or source category used in preparing the Aannual Eemissions inventoryStatement required by LAC 33:III.918 and 919 differ from the emission factors or estimation methods used in the current air permit such that resulting "calculated" emissions reflect a significant change as defined in LAC 33:III.919.B.2.a, notification of the use of updated emission factors or estimation methods shall be included in the Title V Annual Certification, as specified in the affected permit. The notification shall include the old and new emission factor or estimation method reference source and the date, volume, and edition (if applicable); the raw data for the reporting year used for that source category calculation; and applicable emission point and permit numbers that are impacted

by such change. The notification shall include any other explanation, as well as the facility's intended time frame to reconcile the emission limits in the applicable permit. The department reserves the right to reopen a permit pursuant to LAC 33:III.529. For purposes of this Paragraph, a significant change is defined as the lesser~~any~~ of the following:

a. a 5 percent increase or decrease in the total potential or actual emissions from the facility;

b. a 50 ton per year increase or decrease in the total potential or actual emissions from the facility; or

c. a 10 ton per year increase or decrease in the potential or actual emissions from any single emission point (stack, vent, or fugitive).

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2011 and 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 16:613 (July 1990), LR 17:478 (May 1991), LR 19:1420 (November 1993), LR 20:1281 (November 1994), LR 20:1375 (December 1994), LR 23:1677 (December 1997), amended by the Office of the Secretary, LR 25:660 (April 1999), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:2445 (November 2000), LR 28:997 (May 2002), amended by the Office of Environmental Assessment, LR 31:1063 (May 2005), amended by the Office of the Secretary, Legal Affairs Division, LR 31:2436 (October 2005), LR 32:1842 (October 2006), LR 33:2082 (October 2007), LR 33:2626 (December 2007), LR 35:461 (March 2009), LR 35:2351 (November 2009), LR 37:**.

Chapter 6. Regulations on Control of Emissions through the Use of Emission Reduction Credits Banking

§605. Definitions

A. The terms used in this Chapter are defined in LAC 33:III.111 with the exception of those terms specifically defined as follows.

* * *

Current Total Point-Source Emissions Inventory—the aggregate point-source emissions inventory for either NO_x or VOC from the nine modeled parishes compiled from the eEmissions iInventory ~~System (EIS)~~ records and updated annually in accordance with LAC 33:III.919 plus any banked ERC and pending ERC applications originally included in the base case inventory that have not expired.

* * *

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Air Quality Division, LR 20:874 (August 1994), LR 25:1622 (September 1999), LR 26:2448 (November 2000), LR 28:301 (February 2002), amended by the Office of the Secretary, Legal Affairs Division, LR 33:2068 (October 2007), LR 34:1890 (September 2008), LR 37:**.

Chapter 9. General Regulations on Control of Emissions and Emission Standards

§918. ~~Recordkeeping and Annual Reporting~~Nonattainment Areas and Adjoining Parishes List

A. ~~Data for emissions reports shall be collected annually. These reports are to be submitted to the Office of Environmental Assessment by March 31 of each year (for the period January 1 to December 31 of the previous year) unless otherwise directed by the department. The report shall include all data applicable to the emissions source or sources as required under LAC 33:III.919.~~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~~July~~ 1, 201~~0~~, 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 EPA as a nonattainment area after June~~July~~ 1, 201~~0~~, or adjoining a nonattainment area designated by EPA after June~~July~~ 1, 201~~0~~, 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 JuneJuly 1, 2011, or adjoins a nonattainment area redesignated by EPA as an attainment area after JuneJuly 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 JuneJuly 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 (PM_{10} or $PM_{2.5}$) 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)**
	None
Parish Code	**Adjoining Parishes to Nonattainment Areas**
	None

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:**.

§919. Emissions Inventory

~~Emissions inventory data shall be submitted to the department on magnetic media in the format specified by the Office of Environmental Assessment.~~ *Facilities* ~~are defined as all emissions points under common control on contiguous property.~~ *Emissions point* ~~is defined as the source of emissions that should have a Source Classification Code (SCC). Detailed instructions are provided, on an annual basis, for completing and submitting emissions~~

~~inventories. The state point source emissions inventory will be compiled from the emissions inventories submitted in accordance with this Section from the facilities that meet the criteria for applicability in Subsection A of this Section. The state area source, non-road and on-road mobile source, and biogenic emissions inventories are compiled by the department from data that may be requested from other federal, state, or local agencies or other private entities.~~

A. Applicability~~. The owner or operator of the following facilities shall submit annual emissions inventories to the Office of Environmental Assessment. The inventory shall include all air pollutants for which a National Ambient Air Quality Standard (NAAQS) has been issued and all NAAQS precursor pollutants.~~

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:

~~1.~~ 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;~~Any facility located in the 8-hour ozone nonattainment parish of Ascension, East Baton Rouge, Iberville, Livingston, or West Baton Rouge is required to report if the facility emits or has the potential to emit any one or more of the following:~~

~~a. 10 tons per year (TPY) of volatile organic compounds (VOC);~~

~~b. 25 TPY of nitrogen oxides (NO_x);~~

~~c. 100 TPY of carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter of less than 10 microns (PM_{10}), or particulate matter of less than 2.5 microns~~

~~($PM_{2.5}$); or~~

~~d. 5 TPY of lead (Pb).~~

~~2.~~ 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;~~Any facility located in the parish of Assumption, East Feliciana, Iberia, Pointe Coupee, Saint Helena, Saint James, Saint John the Baptist, Saint Martin, Tangipahoa, or West Feliciana (parishes that adjoin an 8-hour ozone nonattainment parish) is required to report if the facility emits or has the potential to emit any one or more of the following:~~

~~a. 50 TPY of VOC;~~

~~b. 100 TPY of NO_x, CO, SO_2, PM_{10}, or $PM_{2.5}$; or~~

~~c. 5 TPY of Pb.~~

~~3.~~ 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;~~Any facility located in an attainment parish is required to report if the facility emits or has the potential to emit any one or more of the following:~~

~~a. 100 TPY of VOC, NO_x, CO, SO_2, PM_{10}, or $PM_{2.5}$; or~~

~~b. 5 TPY of Pb.~~

~~4.~~ d. the facility has a 40 CFR Part 70 (Title V) operating permit regardless of emissions;~~Any facility in Louisiana defined as a major stationary source of hazardous air pollutants in Section 112(a)(1) of the Federal Clean Air Act (FCAA) or of toxic air pollutants in LAC 33:III.Chapter 51 is required to report.~~

~~5.~~ ~~e.~~ ~~the facility is located in a nonattainment area or an adjoining~~

~~parish, and has been issued a standard oil and gas air permit in accordance with LAC 33:III.501 regardless of emissions;~~~~Any facility in Louisiana that has a 40 CFR Part 70 (Title V) Operating Permit is required to report, regardless of emissions limits.~~

~~6.~~ ~~f.~~ ~~the facility is located in a nonattainment area or an adjoining parish, and has been issued a minor source air general permit for crude oil and natural gas production in accordance with LAC 33:III.519, regardless of emissions;~~~~No facility classes or categories are exempted.~~

~~g~~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

~~h~~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

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)**
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

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)**
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 (NO_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

Table 3		
Nitrogen Dioxide (NO_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)**
Lead (Pb)	5	5
NO_X	10	50
PM_{10} or $PM_{2.5}$	100	100
SO_2	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 (NH_3)	10	10
CO	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)**
Lead (Pb)	5	5
NO_X	25	100
PM_{10} or $PM_{2.5}$	100	100
SO_2	100	100
VOC	10	50

Table 5		
Particulate Matter (PM_{10} or $PM_{2.5}$) 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 (NH_3)	10	10
CO	100	100

Table 5		
Particulate Matter (PM_{10} or $PM_{2.5}$) Nonattainment Area and Adjoining Parishes: Emissions Threshold Values		
Pollutant	**Nonattainment Area Threshold Value (tons/year)**	**Adjoining Parishes to Nonattainment Area Threshold Value (tons/year)**
Lead (Pb)	5	5
NO_X	10	50
PM_{10} or $PM_{2.5}$	10	50
SO_2	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

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)**
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 (NH_3)	10
CO	100
Lead (Pb)	5
NO_X	100
PM_{10} or $PM_{2.5}$	100
SO_2	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. ~~Types of Inventories~~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.

~~1. Annual Emissions Statement. Facilities as identified in Subsection A of this Section, shall submit an original Annual Emissions Statement (AES) and a duplicate for all criteria pollutants for which a NAAQS has been issued and for NAAQS precursor pollutants. Except as provided in Subparagraph B.2.d of this Section, the AES shall consist of an inventory of actual emissions and the allowable (permitted) emissions limits of VOC, NO_x, CO, SO_2, Pb, PM_{10}, $PM_{2.5}$, and ammonia, and an annual Certification Statement in accordance with Subparagraph B.5.a of this Section. The emissions inventory may be an initial emissions inventory for facilities submitting their first emissions inventory, or an annual emissions inventory update for facilities that have previously submitted an emissions inventory. Actual emissions shall be reported for all sources of emissions at a facility, including fugitive emissions, flash gas emissions, insignificant sources (as defined in LAC 33:III.501.B.5, Insignificant Activities List, A. Based on Size or Emission Rate), and excess emissions occurring during~~

~~maintenance, start-ups, shutdowns, upsets, and downtime. For purposes of this Section, the term *actual emissions* is the calculation or estimate of the actual emissions of a pollutant, in accordance with Subsection C of this Section, for the calendar year or other period of time if requested by the department. *Excess emissions* are defined as emissions quantities greater than normal operations. Where there is an enforceable document, such as a permit, that establishes allowable levels, the AES shall include the allowable emissions level as identified in the permit Maximum Allowable Emissions Rate Table and the allowable tons per year.~~

~~2. Statewide Annual Emissions Inventory Update. After the initial submittal of an emissions inventory facilities as identified in Subsection A of this Section shall comply with the following requirements.~~

~~a. An update to the emissions inventory is required if there is a significant change in the values currently in the emissions reporting system for operating conditions including start-ups, shutdowns, or process changes at the source that results in an increase or reduction in annual emissions of an individual pollutant: VOC, NO_x, CO, SO_2, Pb, PM_{10}, $PM_{2.5}$, or ammonia. VOCs that are also toxic air pollutants shall be considered for the purpose of determining significant change. A *significant change* is defined as the lesser of the following:~~

~~i. a 5 percent increase or decrease in the total potential or actual emissions from the facility;~~

~~ii. a 50 ton per year increase or decrease in the total potential or actual emissions from the facility; or~~

~~iii. a 10 ton per year increase or decrease in the potential or actual emissions from any single emissions point (stack, vent, or fugitive).~~

b. An update to the emissions inventory is required if there is a cessation of all production processes and termination of operations at the facility.

c. An update to the minimum data submitted in accordance with Paragraph B.5 of this Section is required if there is any change.

d. Unless an update is required in accordance with Subparagraph B.2.a, b, or c of this Section, then only the Certification Statement is required for the annual submittal.

3. Ozone Nonattainment Area Requirement. Facilities in ozone nonattainment areas that meet the applicability in Paragraph A.1 of this Section shall submit an annual inventory. In addition to the minimum data requirements of Paragraph B.5 of this Section, the inventory shall consist of actual, annual emissions and typical weekday emissions that occur during the three-month period of greatest or most frequent ozone exceedances. *Typical weekday emissions* are defined as an average daily emissions rate that is calculated for each week of the three-month period of greatest or most frequent ozone exceedances. The department will indicate in the annual instructions which three-month period has the greatest or most frequent ozone exceedances in each ozone nonattainment area.

4. Special Inventories. Upon request by the administrative authority, any facility subject to any Rule of the Environmental Quality regulations, LAC Title 33, shall file additional emissions data with the department. The request shall specify a reasonable time for response, which shall not be less than 60 days from receipt of the request.

5. Minimum Data Requirements. The minimum data requirements for the emissions inventory are listed below. Operating and process rate information are provided for information only, and do 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 LAC 33:III.Chapter 5 that requires a permit request to initiate or increase emissions, nor does it qualify as a notice of excess emissions. Format and submittal requirements will be published annually by the department. Any new or modified data requirements will be included in the annual requests for updates. Any substantive changes will be established in accordance with the Administrative Procedure Act. Except for the annual Certification Statement, the minimum data requirements apply to initial submittals only. Data requirements for updates require that only those data elements that have changed be submitted.~~

~~a. Certification Statement. A Certification Statement, required by Section 182(a)(3)(B) of the FCAA, shall be signed by a *responsible official* as defined in LAC 33:III.502.A, or a person designated by the responsible official, and shall accompany 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.~~

~~b. Facility Identification Information. The facility identification information shall include:~~

~~i. full name, physical location, and mailing address of facility;~~

~~ii. UTM horizontal and vertical coordinates; and~~

~~iii. SIC code(s).~~

~~c. Operating Information. The operating information shall include:~~

~~i. percentage annual throughput by season. The four seasons will represent one calendar year. The first season, winter, will represent January, February, and~~

~~December of the reporting year; spring will be March-May; summer will be June-August; and fall will be September-November;~~

~~ii. days per week during the normal operating schedule;~~

~~iii. hours per day during the normal operating schedule; and~~

~~iv. weeks per year during the normal operating schedule.~~

~~d. Process Rate Data. The process rate data shall include:~~

~~i. annual process rate (annual throughput). The SCC prescribes the units to be used with each SCC for annual fuel/process rate reporting;~~

~~ii. in nonattainment parishes, peak ozone season daily process rate. The SCC prescribes the units to be used with each SCC for peak ozone season daily process rate reporting. Peak ozone season daily process rate is an average of emissions from a daily operation during the peak ozone season months; and~~

~~iii. annual average heat, ash, and sulfur content and design capacity, where applicable.~~

~~e. Control Equipment Information. The control equipment information shall include:~~

~~i. current primary and secondary control equipment; and~~

~~ii. current control equipment efficiency (percent). The actual efficiency should reflect the total control efficiency from all control equipment and include downtime and maintenance degradation. If the actual control efficiency is unavailable, the design efficiency or the control efficiency limit imposed by a permit shall be used.~~

~~f. Emissions Information. The emissions information shall include:~~

~~i. estimated actual criteria pollutant and precursor emissions~~

~~at the emissions point level, in tons per year, if applicable, for an annual emissions rate and pounds per day for a typical ozone season day. Actual emissions estimates must include all emissions, i.e., upsets, downtime, fugitive emissions, and insignificant sources;~~

~~ii. permitted criteria pollutant and precursor emissions at the emissions point level in tons per year and in pounds per hour;~~

~~iii. estimated emissions method;~~

~~iv. calendar year for the emissions; and~~

~~v. emissions factor (if emissions were calculated using an emissions factor).~~

~~g. Stack Parameters. The stack parameters shall include:~~

~~i. stack height;~~

~~ii. stack diameter;~~

~~iii. exit gas temperature;~~

~~iv. exit gas velocity; and~~

~~v. exit gas flow rate.~~

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~~July~~ 1, 201~~0~~0, or adjoins a nonattainment area redesignated by EPA as an attainment area after June~~July~~ 1, 201~~0~~0, 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 Services.

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~~is~~ 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~~is~~ 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 facility is located in a nonattainment area or an adjoining parish and does not have a standard oil and gas air permit in accordance with LAC 33:III.501;~~

~~vii. the facility is located in a nonattainment area or an adjoining parish and does not have a minor source air general permit for crude oil and natural gas production in accordance with LAC 33:III.519;~~

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

~~ix~~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
Reporting Period Start Date	The first day of the reporting period	Required
Reporting Period End Date	The last day of the reporting period	Required

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
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

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
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	North American Industrial Classification System	Required

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
Code	(NAICS) code for the entire facility	
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~~Required, where applicable~~
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

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
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~~, where applicable~~
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 ~~(active, idle, permitted but not built, shutdown)~~	Required

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
Permanent Shutdown Date	Date source was permanently taken out of service/no longer operating	Required, if Status is "permanently shutdown"~~Optional~~
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~~Required for combustion sources only~~
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	Optional

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
	continuous operation	
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	Optional~~Required~~

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
	process information	
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
Annual Average	For solid fuels, the concentration of ash produced	Required

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
Ash Content	by the fuel, expressed as a percentage of total fuel weight averaged over the reporting period for the process	
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	~~Ozone season~~ Tt~~t~~otal heat input for combustion units during ozone season	Required for facilities in ozone nonattainment areas

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
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

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
Total Weeks	The actual number of weeks per year for which the process is in operation	Required
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

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
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~~, where applicable~~
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

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
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~~, where applicable~~
Release Point Description	Description of emissions release point	Required

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
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

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
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 determine the location coordinates	Required
Accuracy (meters)	Measure of accuracy of the release point	Required

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
	coordinates (if using GPS reading, accuracy of GPS device)	
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	Universal Transverse Mercator easting of release	Required

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
(meters)	point at this location	
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

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
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

Supporting Information for Emissions Inventory		
Data Element	**Description**	**Status**
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~~July~~ 1, 201~~0~~, 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~~July~~ 1, 201~~0~~, 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~~C~~. 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 ~~the~~EPA's Compilation of Air Pollution Emission Factors (AP-42), calculations published in engineering journals, and/or EPA or department-approved estimation methodologies.

~~D. Reporting Requirements. The annual emissions inventory shall be submitted to the department no later than March 31 for the previous calendar year unless otherwise directed.~~

H~~E~~. 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~~F~~. 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:**.

Chapter 15. Emission Standards for Sulfur Dioxide

§1513. Recordkeeping and Reporting

A. – D. …

E. All compliance data shall be made available to a representative of the department or the U.S. EPA on request. When applicable, compliance data shall be reported to the department annually in accordance with LAC 33:III.91~~9~~8. In addition, quarterly reports of three-hour excess emissions and reports of emergency conditions in accordance with LAC 33:I.Chapter 39 shall be made.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Air Quality Division, LR 18:376 (April 1992), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 30:1671 (August 2004), amended by the Office of the Secretary, Legal Affairs Division, LR 33:1013 (June 2007), LR 37:**.

Chapter 21. Control of Emission of Organic Compounds

Subchapter A. General

§2115. Waste Gas Disposal

A. Any waste gas stream containing volatile organic compounds (VOC) from any emission source shall be controlled by one or more of the applicable methods set forth in Subsections B-H~~A-G~~ of this Section. This Section shall apply to all waste gas streams located at facilities that have the potential to emit 25 TPY or more of VOC in the parishes of Ascension,

East Baton Rouge, Iberville, Livingston, and West Baton Rouge; 50 TPY or more of VOC in the parishes of Calcasieu and Pointe Coupee; or 100 TPY or more of VOC in any other parish. This Section does not apply to waste gas streams that must comply with a control requirement, meet an exemption, or are below an applicability threshold specified in another section of this Chapter. This Section does not apply to waste gas streams that are required by another federal or state regulation to implement controls that reduce VOC to a more stringent standard than would be required by this Section.

B~~A~~. Control Requirements for Operations that Commenced Construction Prior to January 20, 1985. Nonhalogenated hydrocarbons shall be burned at 1300°F (704°C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with Paragraph ~~J~~K.1 of this Section, or if emissions are reduced to 50 ppm by volume, whichever is less stringent.

C~~B~~. Control Requirements for Operations that Commenced Construction On or After January 20, 1985. Nonhalogenated hydrocarbons shall be burned at 1600°F (870°C) for 0.5 second or greater in a direct-flame afterburner or thermal incinerator. Other devices will be accepted provided 98 percent or greater VOC destruction or removal efficiency can be demonstrated, as determined in accordance with Paragraph ~~J~~K.1 of this Section, or if emissions are reduced to 20 ppm by volume, whichever is less stringent.

D~~C~~. Control Requirements for Existing Polypropylene Plants Using Liquid Phase Processes. All waste gas streams containing VOCs at the following sources in existing polypropylene plants using liquid phase processes shall be controlled as specified in Subsection ~~B~~C of this Section:

1. polymerization reaction section (i.e., reactor vents);

2. material recovery section (i.e., decanter vents, neutralizer vents, by-product and diluent recovery operation vents); and

3. product finishing section (i.e., dryer vents and extrusion and pelletizing vents).

ED. Control Requirements for Existing High-Density Polyethylene Plants Using Liquid Phase Slurry Processes. All waste gas streams containing VOCs at the following sources in existing high-density polyethylene plants using liquid phase slurry processes shall be controlled as specified in Subsection BC of this Section:

1. material recovery section (i.e., ethylene recycle treater vents); and

2. product finishing section (i.e., dryer vents and continuous mixer vents).

FE. Control Requirements for Polystyrene Plants Using Continuous Processes. The emissions from the material recovery section (e.g., product devolatilizer system) shall be limited to 0.12 kg VOC/1,000 kg of product.

GF. Control Requirements for Halogenated Hydrocarbons. The halogenated hydrocarbons shall be combusted or controlled by other methods specified in Subsection GH of this Section that achieve a removal efficiency of 95 percent or greater, as determined in accordance with Paragraph JK.1 of this Section. If combusted, the halogenated products of combustion shall be reduced to an emission level acceptable to the administrative authority.

HG. Alternative Control Requirements. Other methods of control (such as, but not limited to, carbon adsorption, refrigeration, catalytic and/or thermal reaction, secondary steam stripping, recycling, or vapor recovery system) may be substituted for burning provided the substitute is acceptable to the administrative authority* and it achieves the same removal efficiency as required by this Section and determined in accordance with Paragraph JK.1 of this

Section or it achieves a degree of control not practically or safely achieved by other means.

IH. Exemptions

1. All waste gas streams containing VOCs, except those subject to Subsections CD, ED, and FE of this Section, are exempt from the requirements of this Section if any of the following conditions are met:

a. it can be demonstrated that the waste gas stream is not a part of a facility that emits, or has the potential to emit, 25 TPY or more of VOC in the parishes of Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge; 50 TPY or more of VOC in the parishes of Calcasieu and Pointe Coupee; or 100 TPY or more of VOC in any other parish;

b. it is a waste gas stream from a low-density polyethylene plant and no more than 1.1 pounds of ethylene per 1,000 pounds (1.1 kg/1000 kg) of product are emitted from all the waste gas streams associated with the formation, handling, and storage of solidified product;

c. it is a waste gas stream having a combined weight of VOCs equal to or less than 100 pounds (45.4 kg) in any continuous 24-hour period; or

d. it is a waste gas stream with a concentration of VOCs less than 0.44 psia true partial pressure (30,000 ppm) except for the parishes of Ascension, Calcasieu, East Baton Rouge, Iberville, Livingston, Pointe Coupee, St. James, and West Baton Rouge in which the concentration of VOCs in the waste gas stream must be less than 0.044 psia true partial pressure (3,000 ppm).

2. Except for waste gas streams subject to Subsections CD, ED, and FE of this Section, the administrative authority* may waive the requirements of this Section if one of

the following conditions is met:

a. it will not support combustion without economically impractical amounts of auxiliary fuel; or

b. its disposal cannot be practically or safely accomplished by the means described herein or other equivalent means without causing undue economic hardship.

3. Waste gas streams subject to Subsections ~~C~~D, E~~D~~, and F~~E~~ of this Section are exempt from the requirements of this Section if it can be demonstrated that the waste gas stream has a concentration of VOCs no greater than 408 ppm by volume.

J~~I~~. Test Methods. Compliance with Subsections B-H~~A-G~~ of this Section shall be determined by applying the following test methods, as appropriate:

1. Test Methods 1-4 (40 CFR Part 60, Appendix A, as incorporated by reference at LAC 33:III.3003) for determining flow rates, as necessary;

2. Test Method 18 (40 CFR Part 60, Appendix A, as incorporated by reference at LAC 33:III.3003) for determining gaseous organic compounds emissions by gas chromatography;

3. Test Method 25 (40 CFR Part 60, Appendix A, as incorporated by reference at LAC 33:III.3003) for determining total gaseous nonmethane organic emissions as carbon;

4. Test Method 25A or 25B (40 CFR Part 60, Appendix A, as incorporated by reference at LAC 33:III.3003) for determining total gaseous organic concentration using flame ionization or nondispersive infrared analysis; and

5. modified test methods approved or specified by the administrative authority~~*~~.

KJ. Compliance. All facilities affected by this Section shall be in compliance as soon as practicable but in no event later than August 20, 2003. A facility that has become subject to this regulation as a result of a revision of the regulation shall comply with the requirements of this Section as soon as practicable, but in no event later than one year from the promulgation of the regulation revision.

1. Compliance with LAC 33:III.2115 shall be demonstrated at the owner/operator's expense as requested by the administrative authority. Such demonstration shall consist of control device destruction efficiency or recovery efficiency testing. Such compliance testing is in addition to the continuous monitoring required under LAC 33:III.2115.JParagraph K.2 of this Section.

2. The owner/operator of any facility subject to this SectionLAC 33:III.2115 shall install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with the design specifications, including but not limited to:

a. the exhaust gas temperature of direct flame incinerators and/or the gas temperature immediately upstream and downstream of any catalyst bed;

b. the breakthrough of volatile organic compounds in a carbon adsorption unit;

c. the total amount of volatile organic compounds recovered by carbon adsorption or other waste gas stream recovery systems during a calendar month;

d. the dates for any maintenance of the required control devices and the estimated quantity and duration of volatile organic compound emissions during such activities; and

e. any other parameters affecting or related to waste gas streams as considered necessary by the administrative authority.

LK. Recordkeeping. The owner or operator of any facility subject to this Section~~LAC 33:III.2115~~ shall maintain the following information on the premises for at least two years and shall make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request:

1. a record for each vent of the results of any testing conducted at the facility in accordance with the provisions specified in Subsections ~~I~~J and K~~J~~ of this Section;

2. the date for any maintenance and repair of required control devices and the estimated quantity and duration of volatile organic compound emissions during such activities;

3. records for each vent required to satisfy the provisions of ~~LAC 33:III.2115.J~~Paragraph K.2 of this Section to demonstrate the proper functioning of applicable control equipment to design specifications; and

4. records to demonstrate that the criteria are being met for any exemption claimed.

M~~L~~. This Section does not apply to safety relief and vapor blowdown systems where control cannot be accomplished because of safety or economic considerations. However, the emissions from these systems shall be reported to the department as required under LAC 33:III.919~~8~~. Emergency conditions shall be reported in accordance with LAC 33:I.Chapter 39.

N~~M~~. Definitions. Unless specifically defined in LAC 33:III.111, the terms in this Section shall have the meanings commonly used in the field of air pollution control. Additionally, the following meanings apply.

Safety Relief and *Vapor Blowdown Systems*—the emergency escape of gas from a

process unit through a valve or other mechanical device, in order to eliminate system overpressure or in the case of an operational emergency.

Waste Gas Stream—any gas stream, excluding *fugitive emissions* as defined in LAC 33:III.Chapter 5, containing VOC and discharged from a processing facility directly to the atmosphere or indirectly to the atmosphere after diversion through other process equipment. Process gaseous streams that are used as primary fuels are excluded. The streams that transfer such fuels to a plant fuel gas system are not considered to be waste gas.

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 16:960 (November 1990), LR 17:654 (July 1991), LR 18:1122 (October 1992), LR 19:317 (March 1993), LR 22:1212 (December 1996), LR 24:21 (January 1998), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 28:1764 (August 2002), LR 30:745 (April 2004), LR 30:1672 (August 2004), amended by the Office of the Secretary, Legal Affairs Division, LR 37:**.

Subchapter G. Petroleum Refinery Operations

§2139. Refinery Vacuum Producing Systems

A. Control of Steam Jet Ejectors and Mechanical Pumps. Emissions of volatile organic compounds from steam jet ejectors and mechanical pumps shall be controlled by one of the applicable methods specified in LAC 33:III.2115.~~A~~B, ~~B~~C, and ~~F~~G. Compliance shall be determined and records shall be kept as specified in LAC 33:III.2115.~~I~~J, ~~J~~K, and ~~K~~L.

B. Emissions of volatile organic compounds from a hot-well with a contact condenser shall be controlled by covering the hot-well and controlling the vapors by one of the applicable methods specified in LAC 33:III.2115.~~A~~B, ~~B~~C, and ~~F~~G. Compliance shall be determined and records shall be kept as specified in LAC 33:III.2115.~~I~~J, ~~J~~K, and ~~K~~L.

C. ...

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 17:654 (July 1991), LR 24:917 (May 1998), amended by the Office of the Secretary, Legal Affairs Division, LR 37:**.

§2141. Refinery Process Unit Turnarounds

A. Emissions of volatile organic compounds from petroleum refinery process unit turnarounds shall be controlled by pumping the liquid contents to storage and depressurizing the processing units to 5 psig (pounds per square inch gauge) or below before venting to the atmosphere. Control of the vapors during the depressurization prior to venting to atmosphere shall be accomplished by one of the applicable methods specified in LAC 33:III.2115.~~A~~B, ~~B~~C, and ~~F~~G. Compliance shall be determined and records shall be kept as specified in LAC 33:III.2115.~~I~~J, ~~J~~K, and ~~K~~L.

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 17:654 (July 1991), amended by the Office of the Secretary, Legal Affairs Division, LR 37:**.

Subchapter M. Limiting Volatile Organic Compound (VOC) Emissions from Industrial Wastewater

§2153. Limiting VOC Emissions from Industrial Wastewater

A. Definitions. Unless specifically defined in LAC 33:III.111, the terms in this Chapter shall have the meanings normally used in the field of air pollution control. Additionally the following meanings apply, unless the context clearly indicates otherwise.

* * *

Plant—all facilities located within a contiguous area, under common control, and

identified by the Plant ID number as assigned by the department, within the parish in which the plant is primarily located, for inclusion in the emissions inventory ~~system (EIS)~~.

* * *

B. – I. …

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

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Air Quality Division, LR 21:936 (September 1995), amended LR 22:1212 (December 1996), LR 24:26 (January 1998), LR 25:850 (May 1999), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:2453 (November 2000), LR 28:1765 (August 2002), LR 30:747 (April 2004), amended by the Office of the Secretary, Legal Affairs Division, LR 31:2441 (October 2005), LR 33:2087 (October 2007), LR 37:**.

Chapter 51. Comprehensive Toxic Air Pollutant Emission Control Program

Subchapter A. Applicability, Definitions, and General Provisions

§5107. Reporting Requirements, Availability of Information, and Public Notice Provisions

A. Annual Emissions Reporting. The owner or operator of any major source that meets the applicability requirements in LAC 33:III.5101.A and emits any toxic air pollutant listed in LAC 33:III.5112, Table 51.1 or 51.3, shall submit a completed annual emissions report to the Office of Environmental Services~~Assessment~~ in a format specified by the department. The owner or operator shall identify on the emissions report the quantity of emissions in the previous calendar year for any such toxic air pollutant emitted. Beginning with the report due in 2012~~11~~~~08~~, the annual emissions report shall meet the following requirements.

1. The owner or operator of any major source subject to the requirements in this Subsection shall submit a completed annual emissions report to the Office of Environmental Services~~Assessment~~ on or before April 30~~March 31~~ of each year, unless otherwise directed by the administrative authority, that shall identify the quantity of emissions of all toxic air pollutants

listed in LAC 33:III.5112, Table 51.1 or 51.3, for the previous calendar year.

A.2. – D.2. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2060 and 2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Air Quality Division, LR 17:1204 (December 1991), amended LR 18:1363 (December 1992), LR 19:890 (July 1993), amended by the Office of the Secretary, LR 19:1022 (August 1993), repromulgated LR 19:1142 (September 1993), amended by the Office of Air Quality and Radiation Protection, Air Quality Division, LR 23:58 (January 1997), LR 24:1276 (July 1998), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:2004 (September 2000), LR 26:2460 (November 2000), LR 29:2778 (December 2003), LR 30:1673 (August 2004), amended by the Office of the Secretary, Legal Affairs Division, LR 31:2447 (October 2005), LR 33:2093 (October 2007), LR 33:2622 (December 2007), LR 37:**.