

Title 33
ENVIRONMENTAL QUALITY

Part III. Air

Chapter 3. Regulatory Permits

§315. Regulatory Permit for Concrete Manufacturing Facilities

A. Applicability

1. This regulatory permit authorizes the construction and operation of facilities engaged in the manufacture of ready-mixed portland cement concrete, including central-mixed concrete, shrink-mixed concrete, and truck-mixed concrete, subject to the requirements established herein, upon notification by the administrative authority that the application (i.e., notification form) submitted in accordance with Subsection E of this Section has been determined to be complete.

2. This regulatory permit may be used to authorize both stationary and portable concrete manufacturing facilities.

3. The monitoring and recordkeeping requirements herein do not apply during each day when the concrete manufacturing facility is not operational.

B. Control of Fugitive Emissions

1. Best housekeeping and maintenance practices shall be employed to minimize organic compound emissions, as provided in LAC 33:III.2113.A.1-54.

2. Emissions that pass onto or across a public road and create a traffic hazard by impairment of visibility, or intensify an existing traffic hazard condition, are prohibited.

3. All reasonable precautions shall be taken to prevent particulate matter from becoming airborne. These precautions shall include, but not be limited to, the following:

i. open-bodied trucks transporting materials likely to give rise to airborne dust shall be covered at all times when in motion;

ii. earth or other material on paved areas within the facility due to transport by trucking or other means shall be promptly removed; and

iii. in-plant roads, vehicle work areas, material stockpiles, and other

surfaces at the facility shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to minimize dust emissions to the greatest extent practicable.

C. Filter Vents (Baghouses)

1. Monitoring and Repair

a. Filter vents shall be inspected for visible emissions on a daily basis.

b. Filter elements (bags) shall be inspected every 6 months or whenever visual checks indicate maintenance may be necessary.

c. Filter elements shall be changed in accordance with the manufacturer's recommendations, or more frequently if maintenance inspections reveal damage or other impairments impacting the design efficiency of the unit.

2. Recordkeeping. The following records shall be kept on-site and available for inspection by the Office of Environmental Compliance:

a. the results of the visual checks required by Subparagraph C.1.a of this Section;

b. the dates and results of the maintenance inspections required by Subparagraph C.1.b of this Section; and

c. the dates and a description of any maintenance or repair conducted in accordance with Subparagraph C.1.c of this Section.

D. Internal Combustion Engines

1. Fuels and Fuel Sulfur Content

a. Internal combustion engines (ICEs) shall not combust noncommercial fuels, including used crankcase oil or any other used oil, facility byproducts, or any other type of waste material. Only commercially-available fuels such as diesel or gasoline shall be used.

b. The permittee shall not combust distillate oil that contains greater than 0.5 weight percent sulfur.

2. Opacity of Emissions

a. Limitations

i. Smoke. The emission of smoke shall be controlled so that the shade or appearance of the emission is not darker than 20 percent average opacity, except that the emissions may have an average opacity in excess of 20 percent for not more than one 6-

minute period in any 60 consecutive minutes.

ii. Particulate Matter. The emission of particulate matter shall be controlled so that the shade or appearance of the emission is not denser than 20 percent average opacity, except that the emissions may have an average opacity in excess of 20 percent for not more than one 6-minute period in any 60 consecutive minutes.

iii. When the presence of uncombined water is the only reason for failure of an emission to meet the requirements of this Paragraph, this Paragraph will not apply.

b. Monitoring and Recordkeeping

i. The permittee shall inspect each ICE's stack for visible emissions once each month.

ii. If visible emissions are detected for more than one 6-minute period over a 60 consecutive minute test period using Method 22 of 40 CFR 60, Appendix A, the permittee shall conduct a 6-minute opacity reading in accordance with Method 9 of 40 CFR 60, Appendix A, during the next monthly visible emissions check.

iii. If the shade or appearance of the emission is darker than 20 percent average opacity (per Method 9), the permittee shall take corrective action to return the ICE to its proper operating condition, and the 6-minute opacity reading in accordance with Method 9 shall be repeated. The permittee shall notify the Office of Environmental Compliance no later than 30 calendar days after any Method 9 reading in excess of 20 percent average opacity. This notification shall include the date the visual check was performed, results of the Method 9 testing, and a record of the corrective action employed.

iv. Records of visible emissions checks shall include the ICE's serial number, the date the visual check was performed, a record of emissions if visible emissions were detected for a period longer than 6 consecutive minutes, the results of any Method 9 testing conducted, and a record of any corrective action employed. These records shall be kept on-site and available for inspection by the Office of Environmental Compliance.

3. Operating Time

a. Operating time of each ICE shall be monitored by any technically-sound means.

b. The operating time of each ICE shall be recorded each month, as

well as its operating time for the last 12 months. These records shall be kept on-site for 5 years and available for inspection by the Office of Environmental Compliance.

4. New Source Performance Standards

a. Each stationary compression ignition (CI) ICE described in 40 CFR 60.4200(a) shall comply with the applicable provisions of 40 CFR 60, Subpart IIII–Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, unless the ICE is exempted as described in 40 CFR 60.4200(d).

b. Each stationary spark ignition (SI) ICE described in 40 CFR 60.4230(a) shall comply with the applicable provisions of 40 CFR 60, Subpart JJJJ–Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, unless the ICE is exempted as described in 40 CFR 60.4230(e) or meets the conditions set forth in 40 CFR 60.4230(f).

5. National Emissions Standards for Hazardous Air Pollutants. Each stationary reciprocating ICE described in 40 CFR 63.6590 shall comply with the applicable provisions of 40 CFR 63, Subpart ZZZZ–National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

6. Gasoline storage tanks associated with an ICE and with a nominal capacity of more than 250 gallons shall be equipped with a submerged fill pipe.

E. Notification Requirements. Written notification describing the planned activity shall be submitted to the Office of Environmental Services using the appropriate form provided by the department.

F. Relocation. The owner or operator shall notify the department prior to moving a portable concrete manufacturing facility to a new operating site. Approval must be obtained before operations at the new site can commence.

G. Standby Plan. The owner or operator shall develop and retain onsite a standby plan for the reduction or elimination of emissions during an air pollution alert, air pollution warning, or air pollution emergency, as described in LAC 33:III.5609.A. The plan shall be in accordance with the requirements of LAC 33:III.5611.

H. In accordance with LAC 33:III.Chapter 2, the fee for this regulatory permit is \$713 (fee number 1722). In accordance with LAC 33:III.209 and 211, the annual maintenance fee associated with this regulatory permit shall be \$143.

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 36:**.