

NOTICE OF INTENT

Department of Environmental Quality
Office of Air Quality and Radiation Protection
Air Quality Division

Under the authority of the Louisiana Environmental Quality Act, La. R.S. 30:2001 et seq., and in accordance with the provisions of the Administrative Procedure Act, La. R.S. 49:950, et seq., the secretary gives notice that rulemaking procedures have been initiated to amend the Air Quality Division regulations, LAC 33:III.2149 (Log #AQ159).

The exemptions for individual vents is changed to 500 lbs/yr, regardless of what type of equipment the vent is associated with. This is consistent with EPA's Batch Control Technology Guide. Additional language clarifies the scope of the exemption. EPA has reviewed LAC 33:III.2149 for approvability for inclusion in the State Implementation Plan and has requested that the exemption levels for individual vents be modified. The current rule addresses exemption levels only for three specific types of equipment and does not specify exemption levels for other types of equipment.

This proposed rule meets the exceptions listed in R.S. 30:2019 (D) (3) and R.S.49:953 (G) (3); therefore, no report regarding environmental/health benefits and social/economic costs is required.

A public hearing will be held on September 25, 1997, at 1:30 p.m. in the Maynard Ketcham Building, Room 326, 7290 Bluebonnet Boulevard, Baton Rouge, LA 70810. Interested persons are invited to attend and submit oral comments on the proposed amendments. Should individuals with a disability need an accommodation in order to participate please contact Patsy Deaville at the address given below or at (504) 765-0399.

All interested persons are invited to submit written comments on the proposed regulations. Commentors should reference this proposed regulation by AQ159. Such comments must be received no later than October 2, 1997, at 4:30 p.m., and should be sent to Patsy Deaville, Investigations and Regulation Development Division, Post Office Box 82282, Baton Rouge, LA 70884 or to fax number (504) 765-0486. Copies of this proposed regulation can be purchased at the above referenced address. You may contact the Investigations and Regulation Development Division at (504) 765-0399 for pricing information. Check or money order is required in advance for each copy of AQ159.

This proposed regulation is available for inspection at the following DEQ office locations from 8:00 a.m. until 4:30 p.m.: 7290 Bluebonnet Boulevard, 4th floor, Baton Rouge, LA 70810; 804 31st Street, Monroe, LA 71203; State Office Building, 1525 Fairfield Avenue, Shreveport, LA 71101; 3519 Patrick Street, Lake Charles, LA 70605; 3501 Chateau Boulevard West Wing, Kenner, LA 70065; 100 Asma Boulevard, Suite 151, Lafayette, LA 70508. This regulation is also available on the Internet at <http://www.deq.state.la.us/olae/irdd/olaeregs.htm>.

Gus Von Bodungen
Assistant Secretary

**Title 33
ENVIRONMENTAL QUALITY
Part III.Air**

Chapter 21. Control of Emission of Organic Compounds

Subchapter K. Limiting Volatile Organic Compound Emissions from Batch Processing

§2149. Limiting Volatile Organic Compound Emissions from Batch Processing

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[See Prior Text in A-A.2a]

b. single unit operations ~~which that~~ have mass AE of 500 lb/yr or less, as follows:

Unit Operation	AE (lb/yr)
Reactor	1800
Holding Tank	1200
Centrifuge	8700

* * *

[See Prior Text in A.2.c-C.2]

a. If, for the process vent streams in aggregate, the value of FR calculated using the applicable RACT equation is negative (i.e., less than zero), then the process is exempt from the control requirements and there is no need to proceed with the successive ranking scheme described in Subsection C.2.f of this Section. This would occur if the mass annual emission rates are below the lower limits specified in Subsection A.2.a of this Section.

b. If, for the process vent streams in aggregate, the actual average flow rate value (in the units of scfm) is below the value of FR calculated using the applicable RACT equation, then the overall emissions from the batch process must be reduced by 90 percent and there is no need to proceed with the successive ranking scheme described in Subsection C.2.f of this Section. The owner or operator has the option of selecting which unit operations are to be controlled and to what levels so long as the overall control meets the specified level of 90 percent. Single units that are below the exemption level specified in Subsection A.2.b of this Section would not have to be controlled even if all units should qualify for the exemption.

c. If, for the process vent streams in aggregate, the actual average flow rate value (in the units of scfm) is greater than the value of FR calculated using the applicable RACT equation (and the calculated value of FR is a positive number), then the control requirements must be evaluated with the successive ranking scheme described in Subsection C.2.f of this Section until control of a segment of unit operations is required or until all unit operations

have been eliminated from the process pool. Single units that are below the exemption level specified in Subsection A.2.b of this Section would not have to be included in the rankings and would not have to be controlled even if all units should qualify for the exemption.

d. Sources that will be required to be controlled to the level specified by the RACT (90 percent) will have an average flow rate that is below the flow rate specified by the RACT equation (when the source's annual emission total is input). The applicability criteria is implemented on a two-tier basis. First, single pieces of batch equipment corresponding to distinct unit operations shall be evaluated over the course of an entire year, regardless of what materials are handled or what products are manufactured in them; sSecond, equipment shall be evaluated as an aggregate if it can be linked together based on the definition of a process.

be. To determine applicability of a RACT option in the aggregation scenario, all the VOC emissions from a single process shall be summed to obtain the annual mass emission total, and the weighted average flow rates from each process vent in the aggregation shall be used as the average flow rate.

cf. All unit operations in the batch process, as defined for the purpose of determining RACT applicability, shall be ranked in ascending order according to their ratio of annual emission (lb/yr) divided by average flow rate (in scfm). Sources with the smallest ratios shall be listed first. This list of sources constitutes the "pool" of sources within a batch process. The annual emission total and average flow rate of the pool of sources shall then be compared against the RACT equations to determine whether control of the pool is required. If control is not required after the initial ranking, unit operations having the lowest annual emissions/average flow rates ratios shall then be eliminated one by one, and the characteristics of annual emission and average flow rate for the remaining pool of equipment will have to be evaluated with each successive elimination of a source from the pool. Control of the unit operations remaining in the pool to the specified level shall be required once the aggregated characteristics of annual emissions and average flow rates have met the specified RACT. The owner or operator has the option of selecting which unit operations are to be controlled and to what levels so long as the overall control meets the specified level of 90 percent.

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[See Prior Text in D-G.2.c.v]

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 21:387 (April 1995), amended LR 22:1212 (December 1996), LR