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Harris, Jefferson, Orange, and Tarrant Counties shall be in compliance with §115.422(2) of this title (relating to Control Requirements) and §115.426(2)(A)(iii) of this title (relating to Recordkeeping Requirements) as soon as practicable but no later than July 31, 1992.[:]

[(i) in Dallas and Tarrant Counties as soon as practicable but no later than August 31, 1990; and

[(ii) in Brazoria, El Paso, Galveston, Harris, Jefferson, and Orange Counties as soon as practicable but no later than December 31, 1990.]

(D) All persons in Dallas, El Paso, Harris, and Tarrant Counties required to implement controls as a result of exceeding the exemption levels referenced in §115.427(6) of this title (relating to Exemptions) shall be in compliance with §115.421 of this title (relating to Emissions Specifications) as soon as practicable but no later than July 31, 1992.[:]

[(i) in Dallas and Tarrant Counties as soon as practicable but no later than August 31, 1990; and

[(ii) in El Paso and Harris Counties as soon as practicable but no later than December 31, 1990.]

[(E) All affected persons in Tarrant County shall be in compliance with §115.421(8)(A) of this title (relating to Emission Specifications) as soon as practicable but no later than September 30, 1990.]

This agency hereby certifies that the proposal has been reviewed by legal counsel and found to be within the agency's authority to adopt.

Issued in Austin, Texas, on February 4, 1991.

TRD-9101436

Lane Hartsack
Director, Planning and
Development Program
Texas Air Control Board

Proposed date of adoption: May 15, 1991

For further information, please call: (512) 451-5711, ext. 433

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Graphic Arts (Printing By Rotogravure and Flexographic Processes)

• 31 TAC §§115.432,
115.435-115.437, 115.439

The Texas Air Control Board (TACB) proposes amendments to §§115.432, 115.435-115.437, and 115.439, concerning graphic arts (printing by rotogravure and flexographic processes). The proposed changes have been developed in response to: a general requirement in the 1990 amendments to the Federal Clean Air Act (FCAA) for reasonably available control technology

correction; and a specific requirement by the United States Environmental Protection Agency to correct certain regulation deficiencies and inconsistencies, as part of a nationwide program termed "leveling the playing field."

The proposed changes to §115.432, concerning control requirements, involves a provision stating that if exemption limits are exceeded after May 31, 1991, requirements of this section become applicable. Clarification is also added to indicate that capture system refers to each printing line. The proposed change to §115.435, concerning testing requirements, add a reference to federal performance test procedures. The proposed changes to §115.436, concerning recordkeeping requirements, add a requirement to monitor carbon adsorption systems for breakthrough. The proposed revision to §115.437, concerning exemptions, makes the 100 tons per year exemption to be based on maximum production capacity. The proposed revision to §115.129, concerning counties and compliance schedules, update expired compliance dates and add a new compliance date for new requirements.

Bennie Engelke, director of management and staff services, has determined that for the first five-year period the proposed sections are in effect, there will be no fiscal implication for state or local government or for small businesses. The anticipated economic cost for persons and businesses that are required to comply with the sections as is associated with the monitoring and recordkeeping requirements and is estimated as follows. The annual cost for 1991-1995: per volatile organic compound monitoring unit is -0- for 1991 and \$15,000 per year for 1992-1995. Any costs continuing beyond 1995 would be continuing operating, maintenance, and recordkeeping costs. All estimates are stated in 1991 dollars with no adjustment for inflation and assume continuing costs equal to those incurred during 1992-1995.

Las Montgomery, P.E., director of program development, has determined that for each year of the first five years the sections are in effect the public benefit anticipated as a result of enforcing the sections will be rules which are more uniformly applicable nationwide and satisfaction of a requirement of the FCAA.

Public hearings on this proposal are scheduled for the following times and places: March 4, 1991, 7 p.m., John Gray Institute, 8550 Florida Avenue, Beaumont; March 4, 1991, 7 p.m., City Council Chamber, Second Floor, 2 Civic Center Plaza, El Paso; March 5, 1991, 11 a.m., City of Houston Pollution Control Building Auditorium, 7411 Park Place Boulevard, Houston; March 5, 1991, 2 p.m., Arlington Public Library, 101 East Abram, Arlington.

Copies of the proposed sections are available at the central office of the TACB, 6330 Highway 290 East, Austin, Texas 78723, and at all TACB regional offices. Public comment, both oral and written, on the proposed changes is invited at the hearings. The TACB would appreciate receiving five copies of testimony prior to or at the hearings. Written testimony received by the Regulation Development Section by 4 p.m. on March 6, 1991, at the TACB central office will be included in the hearing record.

The amendments are proposed under the Texas Clean Air Act (TCAA), §382.017,

Texas Health and Safety Code (Vernon, 1990), which provides the TACB with the authority to adopt rules consistent with the policy and purposes of the TCAA.

§115.432. Control Requirements. For the counties referenced in §115.439 of this title (relating to Counties and Compliance Schedules): [:]

(1) no person shall operate or allow the operation of a packaging rotogravure, publication rotogravure, or flexographic printing line [facility] that uses solvent-containing ink unless volatile organic compound (VOC) emissions are limited by one of the following:

(A)[(1)] application to the substrate of low solvent ink with a volatile fraction containing 25% by volume or less of VOC solvent and 75% by volume or more of water and exempt solvent;

(B)[(2)] application to the substrate of high solids solvent-borne ink containing 60% by volume or more of non-volatile material (minus water and exempt solvent); or

(C)[(3)] operation of a carbon adsorption or incineration system to reduce the VOC emissions from an effective capture system by at least 90% by weight. The design and operation of the capture system for each printing line must be consistent with good engineering practice and shall be required to provide for an overall reduction in VOC emissions, as demonstrated to the satisfaction of the executive director, upon request, of at least the following weight percentages:

(i)[(A)] 75% for a publication rotogravure process;

(ii)[(B)] 65% for a packaging rotogravure process; or

(iii)[(C)] 60% for a flexographic printing process.

(D) Capture efficiency testing of the capture system must be conducted in accordance with §115.435 of this title (relating to Testing Requirements);

(2) any graphic arts facility exempted under the provisions of §115.437 of this title (relating to Exemptions) shall be subject to the provisions of paragraph (1)(A), (B), or (C) of this section if the exemption limits are exceeded after May 31, 1991.

§115.435. Testing Requirements. For the counties referenced in §115.439 of this title (relating to Counties and Compliance Schedules), compliance with §115.432 of this title (relating to Control Requirements) in Dallas and Tarrant Counties shall be

determined by applying the following test methods, as appropriate:

(1)-(4) (No change.)

(5) United States Environmental Protection Agency (EPA) guidelines series document "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink, and Other Coatings," EPA-450/3-84-011, as in effect December, 1984; [or]

(6) additional performance test procedures described in 40 Code of Federal Regulations 60.444; or

(7)[(6)] minor modifications to these test methods and procedures approved by the executive director.

§115.436. Recordkeeping Requirements. For the counties referenced in §115.439 of this title (relating to Counties and Compliance Schedules), the owner or operator of any graphic arts facility subject to the control requirements of §115.432 of this title (relating to Control Requirements) shall:

(1)-(2) (No change.)

(3) install and maintain monitors to accurately measure and record operational parameters of any emission control device installed to meet applicable control requirements. Such records must be sufficient to demonstrate proper functioning of those devices to design specifications, including:

(A) (No change.)

(B) the total amount of VOC recovered by a carbon adsorption or other solvent recovery system during a calendar month; [and]

(C) continuous monitoring of carbon adsorption bed exhaust to determine if breakthrough has occurred; and

(D)[(C)] the dates and reasons for any maintenance and repair of the required control devices and the estimated quantity and duration of VOC emissions during such activities;

(4)-(5) (No change.)

§115.437. Exemptions. For the counties referenced in §115.439 of this title (relating to Counties and Compliance Schedules), the following exemptions shall apply.

(1) All [Any] rotogravure and [or] flexographic facilities [facility] on a property, except those specified in paragraph (2) of this section, which when uncontrolled have a maximum potential to emit [emits] a combined weight of volatile organic compounds (VOC) less than 100

tons (91 metric tons) in one year (based on historical ink and VOC solvent usage, and at maximum production capacity) is exempt from the requirements of §115.432 of this title (relating to Control Requirements).

(2) In the counties referenced in §115.439(2) of this title (relating to Counties and Compliance Schedules), any rotogravure and flexographic printing facility on a property which when uncontrolled emits a combined weight of VOC less than 50 tons in one year (based on historical ink and solvent usage) is exempt from the requirements of §115.432 of this title (relating to Control Requirements).

§115.439. Counties and Compliance Schedules. All affected persons in Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties shall be in compliance with this undesignated head (concerning graphic arts (printing) by rotogravure and flexographic processes) in accordance with the following compliance schedules.

(1) all affected persons shall be in compliance with all compliance schedules which have expired prior to January 1, 1991 [February 1, 1990], in accordance with §115.930 of this title (relating to Compliance Dates).

(2) All persons affected by §115.432(1)(D) and (2) of this title (relating to Control Requirements), §115.435(6) of this title (relating to Testing Requirements), §115.436(3)(C) of this title (relating to Recordkeeping Requirements), and §115.437 (1) and (2) of this title (relating to Exemptions) shall be in compliance with these sections as soon as practicable, but no later than July 31, 1992.

[(2)] All persons required to implement controls as a result of the lowering of the exemption level as specified in §115.437(2) of this title (relating to Exemptions) in Dallas and Tarrant Counties shall be in compliance as soon as practicable but no later than December 31, 1989.

[(3)] All affected persons shall be in compliance with the provisions of §115.436 of this title (relating to Recordkeeping Requirements):

[(A)] in Dallas and Tarrant Counties as soon as practicable but no later than August 31, 1990; and

[(B)] in Brazoria, El Paso, Galveston, Harris, Jefferson, and Orange Counties as soon as practicable but no later than December 31, 1990.]

This agency hereby certifies that the proposal has been reviewed by legal counsel and found to be within the agency's authority to adopt.

Issued in Austin, Texas, on February 4, 1991.

TRD-9101437

Lane Hartscock
Director, Planning and
Development Program
Texas Air Control Board

Proposed date of adoption: May 15, 1991
For further information, please call: (512) 451-5711, ext. 433

Subchapter F. Miscellaneous Industrial Sources

Cutback Asphalt

• 31 TAC §§115.512, 115.519

The Texas Air Control Board (TACB) proposed amendments to §115.512 and §115.519, concerning cutback asphalt. The proposed change have been developed in response to: a general requirement in the 1990 amendments to the Federal Clean Air Act (FCAA) for reasonably available control technology corrections; and a specific requirement by the United States Environmental Protection Agency to correct certain regulation deficiencies and inconsistencies as part of a nationwide program termed "leveling the playing field."

The proposed change to §115.512, concerning control requirement, add a requirement to ban cutback asphalt use during the ozone season in Brazoria, El Paso, Galveston, Harris, Jefferson, and Orange Counties. The proposed revision to §115.519, concerning counties and compliance schedules, update expired compliance date and add a new compliance date for new requirements.

Bennie Engelke, director of management and staff services, has determined that for the first five-year period the proposed sections are in effect, there will be no fiscal implication for state or local government as a result of enforcing or administering the sections.

Les Montgomery, P.E., director of program development, has determined that for each year of the first five years the sections are in effect the public benefit anticipated as a result of enforcing the sections will be rules which are more uniformly applicable nationwide and satisfaction of a requirement of the FCAA. There will be no effect on small businesses. There is no anticipated economic cost for persons and business that are required to comply with the sections as proposed.

Public hearings on this proposal are scheduled for the following times and places: March 4, 1991, 7 p.m., John Gray Institute, 8550 Florida Avenue, Beaumont; March 4, 1991, 7 p.m., City Council Chambers, Second Floor, 2 Civic Center Plaza, El Paso; March 5, 1991, 11 a.m., City of Houston Pollution Control Building Auditorium, 7411 Park Place Boulevard, Houston; March 5, 1991, 2 p.m., Arlington Public Library, 101 East Abram, Arlington.

Copies of the proposed sections are available at the central office of the TACB, 6330 Highway 290 East, Austin, Texas 78723, and at all TACB regional offices. Public comment, both oral and written, on the proposed changes is invited at the hearings. The TACB would appreciate receiving five copies of testimony prior to or at the hearings. Written testimony received by the Regulation Development Section by 4 p.m. on March 6, 1991, at the TACB central office will be included in the hearing record.

The amendments are proposed under the Texas Clean Air Act (TCAA), §382.017,