

# Rule History Title 30 Texas Administrative Code Chapter 115 Flexographic and Rotogravure Printing Processes

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## Introduction

The official version of the rules in [Chapter 115, Subchapter E, Division 3](#) is available on the Secretary of State's website.

Each revision is identified by the date the commission adopted the changes. When available, the rule project number, which is the unique identification number from the rules tracking database for the specific rule project, is also provided for reference.

The *Texas Register* publications of the rule proposal and adoption are given for each revision. The proposed rules are approved by the commissioners to be published in the *Texas Register* for public comment. Once adopted by the commissioners, the rules are republished as final in the *Texas Register*.

These rules are submitted for the United States Environmental Protection Agency (EPA) approval as part of the State Implementation Plan (SIP) control strategy to meet the National Ambient Air Quality Standard (NAAQS) for ozone. Links to the *Federal Register* publication of the EPA's approval of these rules and the associated SIP revisions are also included.

The summary information includes the affected sections of the rule, the counties affected, the compliance date, and a brief description of the rule revisions. If the adopted rule does not provide for additional time to comply with any new or revised requirements then compliance with any rule revisions is required by the effective date of the rulemaking.

## Rule Project Adopted on 12/07/2011

### Rule Project Number 2010-016-115-EN

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Proposal: [36 TexReg 3834](#) (06/24/2011)

Adoption: [36 TexReg 8897](#) (12/23/2011)

Date submitted to EPA: 01/17/2012

EPA approval: [80 FR 16291](#) (03/27/2015)

Sections affected:

- Amended: 115.430, 115.432, 115.433, 115.435, 115.436, and 115.439
- New: 115.431
- Repealed: 115.437

Areas affected:

- Dallas-Fort Worth (DFW) area (Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant Counties)
- Houston-Galveston-Brazoria (HGB) area (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties)

Compliance date: 03/01/2013 (Effective date: 12/29/2011)

Summary:

The rulemaking implements reasonably available control technology (RACT) for flexible package printing based on the recommendations provided in the EPA's 2006 *Control Techniques Guidelines for Flexible Package Printing* document ([EPA-453/R-06-003](#)).

The rules extend the applicability threshold to include flexible package printers with at least 3.0 tons per year (tpy) of volatile organic compounds (VOC) emissions. The new rule requirements increase the stringency of the VOC emission controls and impose new work practices for associated cleaning activities.

This rulemaking is part of the [HGB RACT Analysis Update SIP Revision \(2010-028-SIP-NR\)](#) (12/07/2011) and [DFW Eight-Hour Ozone Attainment Demonstration SIP Revision \(2010-022-SIP-NR\)](#) (12/07/2011).

## Rule Project Adopted on 11/15/2006

### Rule Project Number 2006-011-115-EN

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Proposal: [31 TexReg 5558](#) (07/14/2006)

Adoption: [31 TexReg 9840](#) (12/08/2006)

Date submitted to EPA: 12/13/2006

EPA approval: [73 FR 40972](#) (07/17/2008)

Section affected:

- Amended: 115.439

Area affected:

- DFW area (Ellis, Johnson, Kaufman, Parker, and Rockwall Counties)

Compliance date: 03/01/2009 (Effective date: 12/07/2006)

Summary:

The rulemaking requires the owner or operator of flexographic and rotogravure printing lines located in the newly designated nonattainment counties (Ellis, Johnson, Kaufman, Parker, and Rockwall Counties) to comply with the same rules that currently apply in the other DFW counties (Collin, Dallas, Denton, and Tarrant Counties).

The rulemaking is necessary to satisfy federal RACT requirements for the new nonattainment counties as a result of the DFW nonattainment area's expansion under the 1997 eight-hour ozone NAAQS.

This rulemaking is part of the [DFW 1997 Eight-Hour Ozone Attainment Demonstration SIP Revision \(2006-013-SIP-NR\)](#) (05/23/2007).

## Rule Project Adopted on 08/08/2001

### Rule Project Number 2001-005-115-AI

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Proposal: [26 TexReg 4026](#) (06/08/2001)

Adoption: [26 TexReg 6303](#) (08/24/2001)

Date submitted to EPA: 09/07/2001

EPA approval: [71 FR 3009](#) (01/19/2006)

Sections affected:

- Amended: 115.432, 115.433, 115.435, 115.436, and 115.439

Areas affected:

- Beaumont-Port Arthur (BPA) area (Hardin, Jefferson, and Orange Counties)
- Corpus Christi area (Nueces County)
- El Paso area (El Paso County)
- DFW area (Collin, Dallas, Denton, and Tarrant Counties)
- HGB area (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties)
- NETX area (Gregg County)
- Victoria area (Victoria County)

Compliance date: Not applicable (Effective date: 08/29/2001)

Summary:

The rulemaking clarifies the existing rule requirements by updating terminology and references; corrects technical and typographical errors; and deletes compliance dates that have already passed.

## Rule Project Adopted on 12/06/2000

### Rule Project Number 2000-011i-115-AI

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Proposal: [25 TexReg 8253](#) (08/25/2000)

Adoption: [26 TexReg 493](#) (01/12/2001)

Date submitted to EPA: 12/20/2000

EPA approval: [66 FR 36913](#) (07/16/2001)

Section affected:

- New: 115.430

Areas affected:

- BPA area (Hardin, Jefferson, and Orange Counties)
- Corpus Christi area (Nueces)
- DFW area (Collin, Dallas, Denton, and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties)
- NETX area (Gregg County)
- Victoria area (Victoria County)

Compliance date: Not applicable (Effective date: 01/18/2001)

Summary:

The rulemaking changes the title of the division and re-locates the flexographic and rotogravure printing definitions from Section 115.10 to the flexographic and rotogravure printing division.

This rulemaking is part of the [HGB Attainment SIP Revision \(2000-011-SIP-AI\)](#) (12/06/2000).

## Rule Project Adopted on 02/14/1996

### Rule Project Number 1995-137-115-AI

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Proposal: [20 TexReg 6905](#) (09/05/1995)

Adoption: [21 TexReg 1548](#) (02/27/1996)

Date submitted to EPA: 03/13/1996

EPA approval: [64 FR 3841](#) (01/26/1999)

Sections affected:

- Amended: 115.433, 115.435-115.437, and 115.439

Areas affected:

- BPA area (Jefferson and Orange Counties)
- Corpus Christi area (Nueces County)
- DFW area (Dallas and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria, Galveston, and Harris Counties)
- NETX area (Gregg County)
- Victoria area (Victoria County)

Compliance date: Not applicable (Effective date: 03/07/1996)

Summary:

The rulemaking clarifies the rule language to ensure that printing operations that qualify for exemption from the rules maintain records to demonstrate the specific exemption; eliminates duplicative requirements and obsolete language; and updates terminology and references throughout the rules.

## Rule Project Adopted on 05/04/1994

### No Rule Project Number

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Proposal: [18 TexReg 9916](#) (12/24/1993)

Adoption: [19 TexReg 3703](#) (05/13/1994)

Date submitted to EPA: 05/09/1994

EPA approval: [62 FR 27964](#) (05/22/1997)

Section affected:

- Amended: 115.432

Areas affected:

- BPA area (Hardin, Jefferson, and Orange Counties)
- DFW area (Collin, Dallas, Denton, and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties)

Compliance date: Not applicable (Effective date: 05/27/1994)

Summary:

The rulemaking applies federal revisions to the "once-in, always-in" concept. The "once-in, always-in" concept ensures that once emissions from a source exceed the applicability cutoff for a particular VOC regulation in the SIP, that source is always subject to the control requirements of the regulation.

This rulemaking is necessary to correct rule deficiencies for consistency with federal requirements.

This rulemaking is part of the [15% ROP SIP Revision \(Phase II\)](#) (05/13/1994).

## Rule Project Adopted on 10/16/1992

### No Rule Project Number

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Proposal: [17 TexReg 4670](#) (06/30/1992)

Adoption: [17 TexReg 7782](#) (11/03/1992)

Date submitted to EPA: 11/13/1992

EPA approval: [60 FR 12438](#) (03/07/1995)

Sections affected:

- Amended: 115.436 and 115.439

Area affected:

- Victoria area (Victoria County)

Compliance date: 07/31/1993 (Effective date: 11/16/1992)

Summary:

This rulemaking updates monitoring and recordkeeping requirements for Victoria County to facilitate reclassification to an ozone attainment County for the one-hour ozone NAAQS.

This rulemaking is part of the [Victoria Redesignation Request and Maintenance SIP Revision](#) (07/27/1994).



## Rule Project Adopted on 05/08/1992

### No Rule Project Number

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Proposal: [17 TexReg 660](#) (01/28/1992)

Adoption: [17 TexReg 4683](#) (06/30/1992)

Date submitted to EPA: 06/08/1992

EPA approval: [60 FR 12438](#) (03/07/1995)

Sections affected:

- Amended: 115.432, 115.433, 115.435-115.437, and 115.439

Areas affected:

- BPA area (Hardin, Jefferson, and Orange Counties)
- DFW area (Collin, Dallas, Denton, and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties)

Compliance date: 07/31/1993 (Effective date: 08/01/1992)

Summary:

The rulemaking extends controls to flexographic and rotogravure printing lines located in the counties that have recently been designated as nonattainment (Chambers, Collin, Denton, Fort Bend, Hardin, Liberty, Montgomery, and Waller Counties).

The rulemaking lowers the exemption threshold for properties in Brazoria, El Paso, Galveston, Harris, Jefferson, and Orange; changes the basis for the 50 tpy of VOC exemption in Dallas and Tarrant Counties; and moves the existing requirements for printing lines in Gregg, Nueces, and Victoria Counties to a separate subsection in each section, but does not impose any new requirements on the printing lines in these three counties.

The rulemaking is necessary to ensure all nonattainment counties are subject to the same level of control to satisfy federal RACT requirements.

This rulemaking is part of the [15% ROP SIP Revision \(Phase I\)](#) (11/10/1993).

## Rule Project Adopted on 09/20/1991

### No Rule Project Number

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Proposal: [16 TexReg 3679](#) (07/02/1991)

Adoption: [16 TexReg 5843](#) (10/18/1991)

Date submitted to EPA: 06/08/1992

EPA approval: [57 FR 44124](#) (09/24/1992)

Sections affected:

- Amended: 115.435, 115.436, and 115.439

Areas affected:

- BPA area (Jefferson and Orange Counties)
- Corpus Christi area (Nueces County)
- DFW area (Dallas and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria and Galveston Counties)
- NETX area (Gregg County)
- Victoria area (Victoria County)

Compliance date: 07/31/1992 (Effective date: 11/01/1991)

Summary:

This rulemaking adds additional requirements for capture efficiency compliance testing and corresponding recordkeeping requirements.

This rulemaking is necessary to correct rule deficiencies so that the flexographic and rotogravure printing rules are consistent with the EPA's capture efficiency testing guidance.

This rulemaking is part of the [15% ROP SIP Revision \(Phase I\)](#) (11/10/1993).

## Rule Project Adopted on 05/10/1991

### No Rule Project Number

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Proposal: [16 TexReg 852](#) (02/12/1991)

Adoption: [16 TexReg 3728](#) (07/02/1991)

Date submitted to EPA: 06/08/1992

EPA approval: [57 FR 44124](#) (09/24/1992)

Sections affected:

- Amended: 115.432, 115.435, 115.436, 115.437, and 115.439

Areas affected:

- BPA area (Jefferson and Orange Counties)
- Corpus Christi area (Nueces County)
- DFW area (Dallas and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria and Galveston Counties)
- Northeast Texas area (Gregg County)
- Victoria area (Victoria County)

Compliance date: 07/31/1992 (Effective date: 07/17/1991)

Summary:

The rulemaking applies the "once-in, always-in" concept. The "once-in, always-in" concept ensures that once emissions from a source exceed the applicability cutoff for a particular VOC regulation in the SIP, that source is always subject to the control requirements of the regulation.

The rulemaking also revises the 100 tpy exemption to be based on maximum production capability and clarifies the control requirements to indicate that the capture system refers to each printing line.

This rulemaking corrects rule deficiencies so that the flexographic and rotogravure printing rules meet federal RACT requirements.

This rulemaking is part of the [15% ROP SIP Revision \(Phase I\)](#) (11/10/1993).

## Rule Project Adopted on 12/08/1989

### No Rule Project Number

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Proposal: [14 TexReg 3670](#) (07/28/1989)

Adoption: [15 TexReg 583](#) (02/02/1990)

Date submitted to EPA: 03/05/1990

EPA approval: [57 FR 44124](#) (09/24/1992)

Sections affected:

- New: 115.432, 115.433, 115.435-115.437, and 115.439

Areas affected:

- BPA area (Jefferson and Orange Counties)
- DFW area (Dallas and Tarrant Counties)
- El Paso area (El Paso County)
- Corpus Christi area (Nueces County)
- HGB area (Brazoria, Harris, and Galveston Counties)
- NETX area (Gregg area)
- Victoria area (Victoria County)

Compliance date: Not applicable (Effective date: 02/19/1990)

Summary:

The rulemaking establishes flexographic and rotogravure printing requirements. The rulemaking is part of the reorganization and reformatting of the Chapter 115 rules, but no substantive changes are made to the rule requirements. This rulemaking is concurrent with the repeal of Sections 115.201-115.203 (Rule Project Adopted on 12/08/1989).

## Rule Project Adopted on 12/08/1989

### No Rule Project Number

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Proposal: [14 TexReg 3520](#) (07/21/1989)

Adoption: [15 TexReg 354](#) (01/23/1990)

Date submitted to EPA: 03/05/1990

EPA approval: [57 FR 44124](#) (09/24/1992)

Sections affected:

- Repealed: 115.201-115.203

Areas affected:

- BPA area (Jefferson and Orange Counties)
- Corpus Christi area (Nueces County)
- DFW area (Dallas and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria, Harris, and Galveston Counties)
- NETX area (Gregg area)
- Victoria area (Victoria County)

Compliance date: Not applicable (Effective date: 02/15/1990)

Summary:

The rulemaking repeals the entire Chapter 115 rules including the flexographic and rotogravure printing rules. This rulemaking is concurrent with the adoption the new Chapter 115 (Rule Project Adopted on 12/08/1989).

## Rule Project Adopted on 10/14/1988

### No Rule Project Number

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Proposal: [13 TexReg 2820](#) (06/07/1988)

Adoption: [13 TexReg 6093](#) (12/09/1988)

Date submitted to EPA: 12/13/1988

EPA approval: [56 FR 40253](#) (08/14/1991)

Sections affected:

- Amended: 115.201 and 115.203

Areas affected:

- BPA area (Jefferson and Orange Counties)
- Corpus Christi area (Nueces County)
- DFW area (Dallas and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria, Galveston, and Harris Counties)
- NETX area (Gregg County)
- Victoria area (Victoria County)

Compliance date: Not applicable (Effective date: 12/21/1988)

Summary:

The rulemaking clarifies that the VOC emission limits for low-solvent inks are to be calculated without considering the water and exempt solvent contents; specifies the necessary test methods and recordkeeping requirements for affected printers; and requires final control plans submitted by affected printing lines to include a commitment to conduct testing no later than 90 days after the appropriate compliance deadline.

## Rule Project Adopted on 12/18/1987

### No Rule Project Number

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Proposal: [12 TexReg 3531](#) (10/02/1987)

Adoption: [13 TexReg 1543](#) (04/01/1988)

Date submitted to EPA: 12/13/1988

EPA approval: [56 FR 40253](#) (08/14/1991)

Sections affected:

- Amended: 115.201-115.203

Area affected:

- DFW area (Dallas and Tarrant Counties)

Compliance date: 12/31/1989 (Effective date: 04/14/1988)

Summary:

The rulemaking lowers the exemption threshold from 100 tpy to 50 tpy (major source threshold for moderate nonattainment areas) and establishes approved test methods.

This revision is necessary to satisfy federal RACT requirements for the DFW area because the counties did not attain the ozone NAAQS by the 12/31/1982 attainment deadline.

This rulemaking is part of the [Dallas/Tarrant Post-1982 Ozone SIP Revision](#) (12/18/1987).

## Rule Project Adopted on 01/08/1982

### No Rule Project Number

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Proposal: [6 TexReg 2871](#) (08/07/1981)

Adoption: [7 TexReg 915](#) (03/05/1982)

Date submitted to EPA: 01/13/1983

EPA approval: [48 FR 8072](#) (02/25/1983)

Sections affected:

- Amended: 115.201-115.203

Areas affected:

- SAN area (Bexar County)

Compliance date: Not applicable (Effective date: 03/31/1982)

Summary:

The rulemaking deletes Bexar County from the from the rule applicability, since Bexar County has been reclassified to attainment ([46 FR 56199](#) (11/16/1981)).

The adopted rulemaking re-numbers Sections 131.07.61.101 and 131.07.61.103 as 115.201 and 115.203, respectively.



## Rule Project Adopted on 07/11/1980

### No Rule Project Number

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Proposal: [5 TexReg 1239](#) (04/01/1980)

Adoption: [5 TexReg 3754](#) (09/16/1980)

Date submitted to EPA: 07/25/1980

EPA approval: [47 FR 18857](#) (05/03/1982)

Sections affected:

- New: 115.201-115.203

Areas affected:

- BPA area (Jefferson and Orange Counties)
- DFW area (Dallas and Tarrant Counties)
- El Paso area (El Paso County)
- Corpus Christi area (Nueces County)
- HGB (Brazoria, Harris, and Galveston Counties)
- NETX area (Gregg area)
- SAN area (Bexar County)
- Victoria area (Victoria County)

Compliance date: 12/31/1982 (Effective date: 08/22/1980)

Summary:

The rulemaking implements RACT for flexographic and rotogravure printing lines based on the EPA's 1978 *Control of Volatile Organic Emissions from Existing Stationary Sources-Volume VIII: Graphic Arts-Rotogravure and Flexography* ([EPA-450/2-78-033](#)).

The rulemaking requires flexographic and rotogravure printing properties with VOC emissions of at least 100 tpy to comply with the ink VOC limits or operate a vapor control system.

This rulemaking is part of the [Harris Ozone SIP Revision](#) (12/03/1982) and [Dallas/El Paso/Tarrant Post-1982 SIP Revision](#) (08/1985).