

# Rule History Title 30 Texas Administrative Code Chapter 115 Storage Tanks

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## Introduction

The official version of the rules in [Chapter 115, Subchapter B, Division 1](#) 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 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 Review Adopted on 07/10/2019

### **Rule project number 2018-050-115-AI**

Proposal: [44 TexReg 485](#) (02/01/2019)

Adoption: [44 TexReg 3913](#) (07/26/2019)

Sections affected: Ch 115

- Sections with recommended changes: none
- Sections with recommended repeals: none

Summary: The review assessed whether the initial reasons for adopting the rules continue to exist, and the commission has determined that those reasons exist. The rules for control of volatile organic compounds (VOC) emissions in Chapter 115 were specifically developed to meet the federal Clean Air Act requirements for attainment and maintenance of the National Ambient Air Quality Standards (NAAQS) for ozone set by the United States Environmental Protection Agency (EPA)

## Rule Project Adopted on 12/15/2016

### Rule project number 2016-039-115-AI

Proposal: [41 TexReg 7934](#) (10/7/2016)

Adoption: [41 TexReg 10649](#) (12/30/2016)

Date submitted to EPA: 12/29/2016

EPA approval: [84 FR 18145](#) (04/30/2019)

#### Sections affected:

- Amended: 115.112, 115.114, 115.118, and 115.119

#### Areas affected:

- Houston-Galveston-Brazoria (HGB) area (Brazoria, Chambers, Galveston, Fort Bend, Harris, Liberty, Montgomery, and Waller Counties)

Compliance date: 7/20/2018 (Effective date: 01/05/2017)

#### Summary:

The rulemaking updates the requirements for fixed roof volatile organic compound (VOC) storage tanks in the HGB area. The updates mirror revisions incorporated during the December 2011 rulemaking for the Dallas-Fort Worth (DFW) 1997 eight-hour ozone nonattainment area and the June 2015 rulemaking for the DFW 2008 eight-hour ozone nonattainment area for VOC storage tanks. The rule changes include: updating the control efficiency requirement for control devices other than vapor recovery units or flares from 90% to 95%; expanding the applicability to include the aggregate of fixed roof storage tanks at a pipeline breakout station into the control requirements prescribing flashed gas controls; and adding inspection, repair, and recordkeeping requirements for consistency with existing requirements in the DFW area.

This rulemaking is part of the [HGB 2008 Eight-Hour Ozone Attainment Demonstration SIP Revision](#) (2016-016-SIP-NR) (12/15/2016).

## Rule Project Adopted on 06/03/2015

### Rule Project Number 2013-048-115-AI

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Proposal: [39 TexReg 10246](#) (12/26/2014)

Adoption: [40 TexReg 3907](#) (06/19/2015)

Date submitted to EPA: 07/10/2015

EPA approval: [82 FR 60546](#) (12/21/2017)

Sections affected:

- Amended: 115.112-115.114 and 115.119

Areas affected:

- Austin-Round Rock area (Travis County)
- Beaumont-Port Arthur (BPA) area (Hardin, Jefferson, and Orange Counties)
- Corpus Christi area (Nueces and San Patricio Counties)
- DFW area (Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, and Rockwall, Tarrant, and Wise Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties)
- Northeast Texas area (Gregg County)
- San Antonio area (Bexar County)
- Victoria area (Victoria County)
- Aransas, Calhoun, and Matagorda Counties

Compliance date: 01/01/2017 (Effective date: 06/25/2015)

Summary:

The rulemaking revokes exemptions for certain floating roof storage tanks constructed or modified prior to 1983 in the DFW area; restores the exemptions for storage tanks with less than or equal to 1,000 gallons to their pre-2011 wording; and includes aggregate of storage tanks at pipeline breakout stations into the rule applicability and vapor control requirements in the DFW area.

The rulemaking also adds new federal reasonably available control technology (RACT) requirements for control, inspection, and recordkeeping requirements for storage tank openings, including thief hatches and pressure relief valves in the DFW area.

The rulemaking clarifies carbon adsorption monitoring requirements and adds an American Society for Testing and Materials (ASTM), Method D6377 for crude oil.

The rulemaking also establishes requirements for tanks meeting the major source threshold in Wise County; and adds compliance schedule for sources becoming subject to rule on or after initial compliance dates in the DFW area.

The rulemaking is necessary to satisfy federal RACT requirements for major sources in the DFW area.

This rulemaking is part of the [DFW 2008 Eight-Hour Ozone Attainment Demonstration SIP Revision](#) (2013-015-SIP-NR) (06/03/2015).

## Rule Project Adopted on 12/07/2011

### Rule Project Number 2010-025-115-EN

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Proposal: [36 TexReg 3801](#) (06/24/2011)

Adoption:

- [36 TexReg 8862](#) (12/23/2011)
- [36 TexReg 9404](#) (12/30/2011) (Correction)

Date submitted to EPA: 01/17/2012

EPA approval: [79 FR 53299](#) (09/09/2014)

Sections affected:

- Amended: 115.112-115.114 and 115.119
- New: 115.110, 115.111 and 115.115-115.118
- Repealed: 115.115-115.117

Areas affected:

- Austin-Round Rock area (Travis County)
- BPA area (Jefferson, Hardin and Orange Counties)
- Corpus Christi area (Nueces and San Patricio Counties)
- DFW area (Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, and Rockwall, and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties)
- Northeast Texas area (Gregg County)
- San Antonio area (Bexar County)
- Victoria area (Victoria County)
- Aransas, Calhoun, and Matagorda Counties

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

Summary:

The rulemaking amends the existing Chapter 115 rules to include additional requirements for low-leaking storage tank fittings and to limit situations when VOC emissions are allowed due to the roof not floating on the liquid.

This rulemaking also requires 95% control of flash emissions from crude oil and condensate storage tanks with uncontrolled VOC emissions that equal or exceed 50 tons per year (major source threshold for a serious nonattainment area) in the DFW area.

In addition, the rulemaking clarifies and adds specificity to the existing rule requirements for storage tanks in all affected areas.

The rulemaking is necessary to satisfy federal RACT requirements for major sources in the DFW area.

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

## Rule Project Adopted on 05/23/2007

### Rule Project Number 2006-038-115-EN

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Proposal: [31 TexReg 10525](#) (12/29/2006)

Adoption: [32 TexReg 3178](#) (06/08/2007)

Date submitted to EPA: 06/17/2007

EPA approval: [75 FR 15348](#) (03/29/2010)

Sections affected:

- Amended: 115.112-115.117, and 115.119
- New: 115.110

Areas affected:

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

Compliance date: 01/01/2009 for Sections 115.112(d), 115.115(c), and 115.116(c)  
(Effective date: 06/14/2007)

Summary:

The rulemaking adds definitions and specifies additional control requirements for storage vessels in the HGB area. The rulemaking establishes more stringent controls for fittings on floating roof storage tanks; establishes control requirements or operational limitations on landing floating roofs; and establishes control requirements for flash emissions from crude oil and condensate storage tanks.

The rulemaking specifies appropriate measuring instruments and test methods for determining flash emissions if the owner or operator chooses to demonstrate compliance with the 25 tons per year (tpy) limit by direct measurement.

The rulemaking requires records to prove qualification for an exemption, including records of the material stored and the vapor pressure, and verification that VOC emissions from crude oil and condensate tanks are below the 25 tpy criteria.

The rulemaking removes the HGB area exemption for crude oil and condensate tanks with capacity less than 210,000 gallons after 01/01/2009. The rulemaking also specifies that if an owner or operator can demonstrate that a condensate tank with throughput greater than 1,500 barrels per year would have VOC emissions less than 25 tpy, then the tank would not be subject to the flash emission control requirements.

This rulemaking is part of the [HGB Eight-Hour Ozone SIP Revision \(2006-027-SIP-NR\)](#) (05/23/2007).

## 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: 115.119

Area affected:

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

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

Summary:

The rulemaking requires the owner or operator of VOC storage containers in the newly designated nonattainment counties (Ellis, Johnson, Kaufman, Parker, and Rockwall Counties) to comply with the same rules that currently apply to VOC storage containers located in 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 Eight-Hour Ozone Attainment Demonstration SIP Revision \(2006-013-SIP-NR\)](#) (05/23/2007).

## Rule Project Adopted on 04/26/2002

### Rule Project Number 2002-037-115-AI

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Proposal: [27 TexReg 49](#) (01/04/2002)

Adoption: [27 TexReg 4113](#) (05/10/2002)

Date submitted to EPA: 07/18/2002

EPA approval: [73 FR 10383](#) (02/27/2008)

Sections affected:

- Amended: 115.113, 115.116, and 115.117

Areas affected:

- Austin-Round Rock area (Travis County)
- BPA area (Jefferson, Hardin and Orange Counties)
- Corpus Christi area (Nueces and San Patricio 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)
- Northeast Texas area (Gregg County)
- San Antonio area (Bexar County)
- Victoria area (Victoria County)
- Aransas, Calhoun, and Matagorda Counties

Compliance date: Not applicable (Effective date: 05/16/2002)

Summary:

The rulemaking incorporates Aransas, Bexar, Calhoun, Gregg, Matagorda, Nueces, San Patricio, Travis, and Victoria Counties into the alternative control requirements with the other affected counties; updates rule language; clarifies recordkeeping requirement for maintenance activities; and adds an exemption for storage containers that have a storage capacity of no more than 1,000 gallons for consistency with the applicable control requirements.

## Rule Project Adopted on 04/30/1997

### Rule Project Number 1996-164-115-AI

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Proposal: [21 TexReg 11231](#) (11/19/1996)

Adoption: [22 TexReg 4213](#) (05/13/1997)

Date submitted to EPA: 05/21/1997

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

Sections affected:

- Amended: 115.112, 115.114-115.116, and 115.119

Areas affected:

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

Compliance date: 03/07/1997 for Section 115.114(a)(1) (Effective date: 05/22/1997)

Summary:

The rulemaking clarifies that the control requirement for rim-mounted secondary seals applies to external floating roof tanks but not internal floating roof tanks. The rulemaking also corrects and revises references; adds the effective dates of the referenced federal rules; and clarifies the compliance schedule for an existing requirement to conduct annual visual inspections of internal floating roof storage tanks in affected counties.

## Rule Project Adopted on 02/14/1996

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

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Proposal: [20 TexReg 6891](#) (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: 115.112, 115.114, 115.116, and 115.117

Areas affected:

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

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

Summary:

The rulemaking clarifies existing requirements; updates terminology; establishes separate inspection requirements for internal and external floating roof tanks; clarifies exemptions based upon vapor pressure at storage conditions; and establishes a repair schedule with the availability of extensions.

## Rule Project Adopted on 01/04/1995

### No Rule Project Number

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Proposal: [19 TexReg 7996](#) (10/07/1994)

Adoption: [20 TexReg 221](#) (01/13/1995)

Date submitted to EPA: 01/11/1995

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

Sections affected:

- Amended: 115.112, 115.113, 115.115-115.117, and 115.119

Areas affected:

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

Compliance date: 01/01/1996 for Section 115.116(a)(2) (Effective date: 01/27/1995)

Summary:

The rulemaking deletes obsolete language; updates test methods for determining true vapor pressure; and adds recordkeeping requirements for seal failures and the associated VOC emissions.

The rulemaking requires affected owners or operators to calculate and report VOC emissions resulting from secondary seal gaps that exceed 1/8 inch where the accumulated area of the gap is greater than 1.0 square inch per foot of tank diameter.

This rulemaking is part of the [Post-1996 ROP BPA/HGB SIP Revision \(1995-156-SIP-AI\)](#) (12/13/1995).

## Rule Project Adopted on 10/16/1992

### No Rule Project Number

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Proposal: [17 TexReg 4658](#) (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: 115.116 and 115.119

Areas affected:

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

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

Summary:

This rulemaking updates monitoring and recordkeeping requirements for Victoria County to facilitate reclassification to an ozone attainment county.

The rulemaking requires additional monitoring for vapor control systems.

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

**No Rule Project Number**

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Proposal: [17 TexReg 619](#) (01/26/1992)

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: 115.112-115.117 and 115.119

Areas affected:

- BPA area (Hardin County)
- Corpus Christi area (Nueces County)
- DFW area (Collin and Denton Counties)
- HGB area (Chambers, Fort Bend, Liberty, Montgomery, and Waller Counties)
- Northeast Texas area (Gregg County)
- Victoria area (Victoria County)

Compliance date: 01/31/1994 (Effective date: 08/01/1992)

Summary:

This rulemaking extends controls to sources located in the counties that have recently been designated as nonattainment (Chambers, Collin, Denton, Fort Bend, Hardin, Liberty, Montgomery, and Waller Counties) to ensure all nonattainment counties are subject to the same level of control.

The rulemaking moves the existing requirements for sources in Gregg, Nueces, and Victoria Counties to a separate subsection in each section, but does not impose any new requirements on sources in these three counties.

The rulemaking is necessary to ensure all nonattainment counties are subject to the same level of control and 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 831](#) (02/12/1991)

Adoption: [16 TexReg 3713](#) (07/02/1991)

Date submitted to EPA: 05/10/1991

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

Sections affected:

- Amended: 115.112, 115.114, 115.116, and 115.119

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)
- Northeast Texas area (Gregg County)
- Victoria area (Victoria County)

Compliance date: 07/31/1992 for Sections 115.112(c), 115.114(3), and 115.116(3)(C)  
(Effective date: 07/17/1991)

Summary:

The rulemaking revises the control requirements to specify the minimum control efficiency of 90% for a vapor recovery system and clarifies that all floating roof storage tanks are affected.

The rulemaking increases the frequency of visual secondary seal inspections from annual to semiannual.

The rulemaking also adds a requirement to monitor carbon adsorption systems for breakthrough.

**No Rule Project Number**

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Proposal: [14 TexReg 3633](#) (07/28/1989)

Adoption: [15 TexReg 561](#) (02/02/1990)

Date submitted to EPA: 03/05/1990

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

Sections affected:

- New: 115.112-115.117 and 115.119

Areas affected:

- Austin–Round Rock area (Travis County)
- BPA area (Jefferson, Hardin, and Orange Counties)
- Corpus Christi area (Nueces and San Patricio Counties)
- DFW area (Dallas and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria, Galveston, Harris, and Montgomery Counties)
- Northeast Texas area (Gregg County)
- San Antonio area (Bexar County)
- Victoria area (Victoria County)
- Aransas, Calhoun, and Matagorda Counties

Compliance date: 12/31/1990 for Section 115.116 in Brazoria, Dallas, El Paso, Galveston, Harris, Jefferson, Orange, and Tarrant Counties (Effective date: 02/19/1990)

Summary:

The rulemaking establishes the storage of VOCs requirements for the new Chapter 115 and is adopted concurrent with the repeal of Sections 115.11–115.14, 115.61 and 115.62, and 115.101–115.106.

The rulemaking defines the types of controls or technologies required to achieve necessary emission reductions and enables the executive director to approve alternative controls and test methods.

The rulemaking identifies the components needing inspection and the frequency of inspections; identifies the test methods that must be used to determine compliance; and describes the information that must be maintained by affected sites in order to ensure continuous compliance.

Finally, the changes specify the conditions necessary to qualify for exemption from certain control requirements.

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

## Rule Project Adopted on 12/08/1989

### No Rule Project Number

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Proposal: [14 TexReg 3515](#) (07/21/1989)

Adoption: [15 TexReg 352](#) (01/23/1990)

Date submitted to EPA: 03/05/1990

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

Sections affected:

- Repealed: 115.101-115.106

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)
- Northeast Texas area (Gregg County)
- Victoria area (Victoria County)

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

Summary:

The rulemaking repeals all of the Chapter 115 rules including the storage of VOCs in the affected counties. This rulemaking is concurrent with the adoption the new Chapter 115 (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 3514](#) (07/21/1989)

Adoption: [15 TexReg 351](#) (01/23/1990)

Date submitted to EPA: 03/05/1990

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

Sections affected:

- Repealed: 115.61 and 115.62

Areas affected:

- BPA area (Hardin County)
- Corpus Christi area (San Patricio County)
- HGB area (Montgomery County)
- Matagorda County

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

Summary:

The rulemaking repeals all of the Chapter 115 rules including the storage of crude oil or condensate in the affected counties. This rulemaking is concurrent with the adoption of the new Chapter 115 (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 3512](#) (07/21/1989)

Adoption: [15 TexReg 350](#) (01/23/1990)

Date submitted to EPA: 03/05/1990

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

Sections affected:

- Repealed: 115.11-115.14

Areas affected:

- Austin-Round Rock area (Travis County)
- BPA area (Hardin County)
- Corpus Christi area (San Patricio County)
- HGB area (Montgomery County)
- San Antonio area (Bexar County)
- Aransas, Calhoun, and Matagorda Counties

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

Summary:

The rulemaking repeals all of the Chapter 115 rules including the storage of VOCs in the affected counties. This rulemaking is concurrent with the adoption of the new Chapter 115 (Rule Project Adopted on 12/08/1989).

## Rule Project Adopted on 12/03/1982

### No Rule Project Number

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Proposal: [7 TexReg 2233](#) (06/11/1982)

Adoption: [7 TexReg 4398](#) (12/17/1982)

Date submitted to EPA: 12/09/1982

EPA approval: [50 FR 26359](#) (06/26/1985)

Sections affected:

- Amended: 115.105 and 115.106

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)
- Northeast Texas area (Gregg County)
- Victoria area (Victoria County)

Compliance date: 12/31/1982 (Effective date: 12/30/1982)

Summary:

The rulemaking exempts welded tanks storing crude oil with a true vapor pressure equal to or greater than 4.0 pound per square inch absolute (psia) and less than 6.0 psia from certain secondary seal requirements if specified primary seal requirements are met.

The rulemaking clarifies the original intent to have December 31, 1982 as the final compliance date for Sections 115.101–115.104.

This rulemaking is part of the [Harris Ozone SIP Revision](#) (12/03/1982).

## Rule Project Adopted on 12/03/1982

### No Rule Project Number

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Proposal: [7 TexReg 2231](#) (06/11/1982)

Adoption: [7 TexReg 4396](#) (12/17/1982)

Date submitted to EPA: 12/09/1982

EPA approval: [50 FR 26359](#) (06/26/1985)

Sections affected:

- New: 115.11-115.14

Areas affected:

- Austin–Round Rock area (Travis County)
- BPA area (Hardin County)
- Corpus Christi area (San Patricio County)
- HGB are (Montgomery County)
- San Antonio area (Bexar County)
- Aransas, Calhoun, and Matagorda Counties

Compliance date: Not applicable (Effective date: 12/30/1982)

Summary:

The rulemaking establishes the storage of VOCs rules in a new formatting scheme for consistency with the storage rules in Sections 115.101–115.106.

No substantive changes are made to the existing rules in the affected counties. This rulemaking is adopted concurrent with the repeal of Sections 115.11–115.13.

## Rule Project Adopted on 12/03/1982

### No Rule Project Number

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Proposal: [7 TexReg 2233](#) (06/11/1982)

Adoption: [7 TexReg 4396](#) (12/17/1982)

Date submitted to EPA: 12/09/1982

EPA approval: [50 FR 26359](#) (06/26/1985)

Sections affected:

- Repealed: 115.11-115.13

Areas affected:

- Austin-Round Rock area (Travis County)
- BPA area (Hardin County)
- Corpus Christi area (San Patricio County)
- HGB area (Montgomery County)
- San Antonio area (Bexar County)
- Aransas, Calhoun, and Matagorda Counties

Compliance date: Not applicable (Effective date: 12/30/1982)

Summary:

The rulemaking repeals the storage of VOC rules in the affected counties in order to modify the rule formatting. This rulemaking is concurrent with the adoption of new Sections 115.11-115.14 (12/03/1982).

## Rule Project Adopted on 01/08/1982

### No Rule Project Number

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

Correction: [6 TexReg 2994](#) (08/14/1981)

Adoption: [7 TexReg 907](#) (03/05/1982)

Date submitted to EPA: 08/09/1982 with addendum submitted 01/13/1983

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

Sections affected:

- Amended: 115.101-115.106

Areas affected:

- BPA area (Jefferson and Orange Counties)
- CC area (Nueces County)
- DFW area (Dallas and Tarrant Counties)
- ELP area (El Paso County)
- HGB area (Brazoria, Galveston, and Harris Counties)
- NET area (Gregg County)
- SAN area (Bexar County)
- VIC area (Victoria County)

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

Summary:

The rulemaking deletes reference to Bexar County since Bexar County has been reclassified to attainment ([46 FR 56199](#) (11/16/1981)); deletes the column indicating the tank type the corresponding requirements apply to; makes metric equivalents more accurately reflect metric conversion from English units; clarifies the secondary seal requirements and the type of inspection required; and clarifies the applicability of recordkeeping requirements.

## 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 906](#) (03/05/1982)

Date submitted to EPA: 08/09/1982 with addendum submitted 01/13/1983

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

Section affected:

- Amended: 115.61

Areas affected:

- BPA area (Hardin County)
- CC area (San Patricio County)
- HGB area (Montgomery County)
- Matagorda County

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

Summary:

The rulemaking clarifies the emission limit from a vapor recovery system by deleting a redundant reference to non-methane VOC vapors in vent gases.

## 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 903](#) (03/05/1982)

Date submitted to EPA: 08/09/1982 with an addendum submitted 01/13/1983

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

Sections affected:

- Amended: 115.11-115.13

Area affected:

- SAN area (Bexar County)

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

Summary:

The rulemaking adds Bexar County to the rule applicability for storage of VOCs operations since Bexar County has been reclassified to attainment ([46 FR 56199](#) (11/16/1981)).

## Rule Project Adopted on 03/20/1981

### No Rule Project Number

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Proposal: [5 TexReg 4682](#) (11/21/1980)

Adoption: [6 TexReg 1242](#) (04/03/1981)

Date submitted to EPA: 07/20/1981

EPA approval: [47 FR 17284](#) (04/22/1982)

Sections affected:

- Amended: 115.101, 115.105, and 115.106

Areas affected:

- BPA area (Jefferson and Orange Counties)
- CC area (Nueces County)
- DFW area (Dallas and Tarrant Counties)
- ELP area (El Paso County)
- HGB area (Brazoria, Galveston, and Harris Counties)
- SAN area (Bexar County)
- NET area (Gregg County)
- VIC area (Victoria County)
- Ector County

Compliance date: Not applicable (Effective date: 04/16/1981)

Summary:

The rulemaking deletes Ector County from the rule applicability for VOC storage since Ector County has been reclassified to attainment ([46 FR 33269](#) (6/29/1981)). The rule requirements continue to apply in Bexar, Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties.

The rulemaking restores vapor recovery systems as a specified control option for certain storage tanks and specifies that certain welded storage tanks are exempt from external secondary seal requirements.

## Rule Project Adopted on 07/11/1980

### No Rule Project Number

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Proposal: [5 TexReg 1180](#) (03/28/1980)

Adoption: [5 TexReg 3243](#) (08/12/1980)

Date submitted to EPA: 07/25/1980

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

Sections affected:

- Amended: 115.101-115.106 (131.07.51)

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)
- San Antonio area (Bexar County)
- Northeast Texas area (Gregg County)
- Victoria area (Victoria County)
- Ector County

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

Summary:

The rulemaking lists all storage tank control devices including secondary seals in the tabular format; specifies the secondary seal requirements and maximum gap allowed between the secondary seal and tank wall; and establishes new annual inspection requirements for secondary seal.

This rulemaking also establishes new recordkeeping requirements for any storage vessel with an external floating roof used to store petroleum liquids with a true vapor pressure of greater than 1.0 psia.

The rulemaking provides exemptions for crude oil and condensate storage tanks prior to custody transfer; slotted sampling and gauge pipes for any floating roof storage tanks; shoe-mounted secondary seals installed; and external floating roof tanks storing waxy, high pour point crude oil.

This rulemaking is part of the [Harris Ozone SIP Revision](#) (12/03/1982).

## Rule Project Adopted on 03/30/1979

### No Rule Project Number

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Proposal: [3 TexReg 3632](#) (10/17/1978)

Adoption: [4 TexReg 1363](#) (04/17/1979)

Date submitted to EPA: 04/13/1979 and 08/14/1979

EPA approval: [45 FR 19231](#) (03/25/1980)

Sections affected:

- New: 131.07.51.101, 131.07.51.102, 131.07.51.104, and 131.07.51.105

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)
- San Antonio area (Bexar County)
- Northeast Texas area (Gregg County)
- Victoria area (Victoria County)
- Ector County

Compliance date: 12/31/1982 (Effective date: 05/06/1979)

Summary:

The rulemaking specifies the control requirements for VOC, crude oil, and condensate for the affected counties.

The control requirements range from no requirement, submerged fill pipe, internal or external floating roof with single or double seal, to vapor recovery system based on true vapor pressure of stored compound and normal storage capacity of the container starting with capacities over 1,000 gallons.

The rulemaking also specifies the new control requirements for the floating roof storage tank's automatic bleeder vents, rim space vents, emergency roof drain, and double seals on external floating roof tanks.

The rulemaking exempts crude oil and condensate if stored prior to custody transfer in tanks with a nominal capacity less than 210,000 gallons, slotted sampling and gauge pipes for any floating roof, and storage containers that have a capacity of less than 25,000 gallons located at motor vehicle fuel dispensing operations.

This rulemaking is part of the [Ozone, Particulate Matter, Carbon Monoxide SIP Revision](#) (03/30/1979).

## Rule Project Adopted on 03/30/1979

### No Rule Project Number

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Proposal: [3 TexReg 3632](#) (10/17/1978)

Adoption: [4 TexReg 1363](#) (04/17/1979)

Date submitted to EPA: 4/13/1979

EPA approval: [45 FR 19231](#) (03/25/1980)

Sections affected:

- New: 131.07.06.101 and 131.07.06.102

Areas affected:

- BPA area (Hardin County)
- Corpus Christi area (San Patricio County)
- HGB area (Montgomery County)
- Matagorda County

Compliance date: Not applicable (Effective date: 05/06/1979)

Summary:

The rulemaking adopts the new rules for storage of crude oil or condensate. The rulemaking adds new control requirements for any atmosphere stationary tank, reservoir, or other container storing more than 420,000 gallons of crude oil or condensate having a true vapor pressure equal to or greater than 1.5 psia. The rulemaking requires the owner or operator to control the VOC emissions with a floating roof or a vapor recovery system. The rulemaking prohibits using a floating roof if the stored VOC having a vapor pressure of 11.0 psia or greater under actual storage condition.

The rulemaking specifies that the true vapor pressure of all VOC vapors in vent gases from a vapor recovery system must not exceed a level of 1.5 psia.

The rulemaking allows use of slotted guidepoles through an exemption.

This rulemaking replaces the rules in Section 131.07.10.002 being repealed concurrent with this rulemaking (03/30/1979).

This rulemaking is part of the [Ozone, Particulate Matter, Carbon Monoxide SIP Revision](#) (03/30/1979).

## Rule Project Adopted on 03/30/1979

### No Rule Project Number

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Proposal: [3 TexReg 3632](#) (10/17/1978)

Adoption: [4 TexReg 1363](#) (04/17/1979)

Date submitted to EPA: 4/13/1979

EPA approval: [45 FR 19231](#) (03/25/1980)

Sections affected:

- New: 131.07.02.101-131.07.02.103

Areas affected:

- Austin-Round Rock area (Travis County)
- BPA area (Hardin County)
- Corpus Christi area (San Patricio County)
- HGB area (Montgomery County)
- Aransas, Calhoun, and Matagorda Counties

Compliance date: Not applicable (Effective date: 05/07/1979)

Summary:

The rulemaking requires the owner or operator of atmosphere stationary tank, reservoir, or other container storing more than 25,000 gallons of VOC having a true vapor pressure equal to or greater than 1.5 psia to control the VOC emissions with a floating roof or a vapor recovery system.

The rulemaking prohibits using a floating roof if the stored VOC having a vapor pressure of 11.0 psia or greater under actual storage conditions.

The rulemaking specifies that the true vapor pressure of all VOC vapors in vent gases from a vapor recovery system must not exceed a level of 1.5 psia.

The rulemaking requires any new stationary storage vessel constructed after 05/12/1973 having at least a capacity of 1,000 gallons storing VOC having a true vapor pressure equal to or greater than 1.5 psia to be equipped with a permanent submerged fill pipe, be a pressure tank, or be fitted with a vapor recovery system.

The rulemaking exempts crude oil and condensate storage containers of all sizes.

This rulemaking replaces the requirements in Sections 131.07.02.001-131.07.02.003 being repealed concurrent with this rulemaking (Rule project adopted on 03/30/1979).

This rulemaking is part of the [Ozone, Particulate Matter, Carbon Monoxide SIP Revision](#) (03/30/1979).

## Rule Project Adopted on 03/30/1979

### No Rule Project Number

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Proposal: [3 TexReg 3610](#) (10/13/1978)

Adoption: [4 TexReg 1363](#) (04/17/1979)

Date submitted to EPA: 4/13/1979

EPA approval: [45 FR 19231](#) (03/25/1980)

Sections affected:

- Repealed: 131.07.02.001-131.07.02.003 and 131.07.10.002

Areas affected:

- Austin-Round Rock area (Travis County)
- BPA area (Jefferson and Orange Counties)
- Corpus Christi area (Nueces and San Patricio Counties)
- DFW area (Dallas County)
- El Paso area (El Paso County)
- HGB area (Brazoria, Galveston, Harris, and Montgomery Counties)
- San Antonio area (Bexar County)
- Victoria area (Victoria County)
- Aransas, Calhoun, and Matagorda Counties

Compliance date: Not applicable (Effective date: 05/07/1979)

Summary:

The rulemaking repeals the VOC storage rules (131.07.02.001-131.07.02.003) and storage of crude oil or condensate rule (131.07.10.002).

This rulemaking is part of the [Ozone, Particulate Matter, Carbon Monoxide SIP Revision](#) (03/30/1979).

## Rule Project Adopted on 12/10/1976

### No Rule Project Number

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Proposal: 1 TexReg 1455 (06/01/1976)

Adoption: [1 TexReg 3650](#) (12/21/1976)

Date submitted to EPA: 07/20/1977

EPA approval: [44 FR 5662](#) (01/29/1979)

Sections affected:

- New: 131.07.10.002

Areas affected:

- BPA area (Jefferson, Hardin, and Orange Counties)
- Corpus Christi area (Nueces and San Patricio Counties)
- DFW area (Dallas and Tarrant Counties)
- El Paso area (El Paso County)
- HGB area (Brazoria, Galveston, Harris, and Montgomery Counties)
- Matagorda County

Compliance date: 02/29/1980 (Effective date: 01/12/1977)

Summary:

The rulemaking establishes new requirements for atmosphere stationary tanks, reservoirs, or other containers storing more than 420,000 gallons of crude oil or condensate.

The rulemaking requires the owner or operator to control the VOC emissions with a floating roof or a vapor recovery system and prohibits using a floating roof if the stored VOC has a vapor pressure of 11.0 psia or greater under actual storage conditions.

The rulemaking specifies that the aggregate partial pressure of all non-methane VOC vapor in vent gas from a vapor recovery system must not exceed 1.5 psia and specifies a compliance date for a new atmosphere stationary tank, reservoir, or other container over 420,000 gallons.

## Rule Project Adopted on 12/10/1976

### No Rule Project Number

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Proposal: 1 TexReg 1455 (06/01/1976)

Adoption: [1 TexReg 3650](#) (12/21/1976)

Date submitted to EPA: 07/20/1977

EPA approval: [44 FR 5662](#) (01/29/1979)

Sections affected:

- New: 131.07.02

Areas affected:

- Austin-Round Rock area (Travis County)
- BPA area (Jefferson and Orange Counties)
- Corpus Christi area (Nueces and San Patricio Counties)
- DFW area (Dallas County)
- El Paso area (El Paso County)
- HGB area (Brazoria, Galveston, Harris, and Montgomery Counties)
- San Antonio area (Bexar County), Victoria area (Victoria County)
- Aransas, Calhoun, and Matagorda Counties

Compliance date: Not applicable (Effective date: 01/12/1977)

Summary:

The rulemaking rennumbers the storage rules from Regulation V, Rule 502 to 131.07.02. The owner or operator of an atmosphere stationary tank, reservoir, or other container having a capacity of 25,000 gallons or more is subject to the rules. The rulemaking adds an exemption for crude oil and condensate storage containers because they are regulated under a different Section being adopted concurrently with this rulemaking (Rule Project Adopted on 12/10/1976).

## Rule Project Adopted on 04/10/1973

### No Rule Project Number

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Adoption: [Regulation V](#)

Date submitted to EPA: 04/23/1973

EPA approval: [41 FR 8966](#) (03/02/1976)

Sections affected:

- Amended: Regulation V, Rules 502.1 and 508.2

Areas affected:

- Austin–Round Rock area (Travis County)
- BPA area (Jefferson and Orange Counties)
- Corpus Christi area (Nueces and San Patricio Counties)
- DFW area (Dallas County)
- El Paso area (El Paso County)
- HGB area (Brazoria, Galveston, Harris, and Montgomery Counties)
- San Antonio area (Bexar County)
- Victoria area (Victoria County)
- Aransas, Calhoun, and Matagorda Counties

Compliance date: 05/31/1975 (Effective date: 05/12/1973)

Summary:

The rulemaking lowers the applicability threshold of an atmosphere stationary tank, reservoir, or other container from 50,000 gallons to 25,000 gallons; specifies that the aggregate partial pressure of all VOC vapor in vent gas from a vapor recovery system must not exceed a level of 1.5 psia; and specifies the compliance date for a new atmosphere stationary tank, reservoir, or other container over 25,000 gallons. The rulemaking eliminates the option of other approved control devices.

This rulemaking is part of the [1973 Complete SIP Revision](#) (04/13/1973).

## Rule Project Adopted on 07/27/1972

### No Rule Project Number

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Adoption: [Regulation V](#)

Date submitted to EPA: 08/08/1972

EPA approval: [44 FR 5662](#) (01/29/1979)

Sections affected:

- Amended: Regulation V, Rules 502.1, 502.2, and 502.3

Areas affected:

- BPA area (Jefferson and Orange Counties)
- Corpus Christi area (San Patricio County)
- HGB area (Brazoria and Montgomery Counties)
- Victoria area (Victoria County)
- Matagorda County

Compliance date: 12/31/1973 (Effective date: 08/31/1972)

Summary:

The adopted rulemaking requires sources in Brazoria, Jefferson, Matagorda, Montgomery, Orange, San Patricio, and Victoria Counties to comply with the rules for VOC storage tanks.

## Rule Project Adopted on 01/26/1972

### No Rule Project Number

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Adoption: [Regulation V](#)

Date submitted to EPA: 01/28/1972

EPA approval: [37 FR 10895](#) (05/31/1972)

Sections affected:

- New: Regulation V, Rules 502.1, 502.2, 502.3, and 507

Areas affected:

- Austin–Round Rock area (Travis County)
- Corpus Christi area (Nueces County)
- DFW area (Dallas County)
- El Paso area (El Paso County)
- HGB area (Galveston and Harris Counties)
- San Antonio area (Bexar County)

Compliance date: 12/31/1973 (Effective date: 03/05/1972)

Summary:

The rulemaking establishes new requirements for atmosphere stationary tanks, reservoirs, or other containers of more than 50,000 gallons capacity. The rules require controlling VOC emissions from these containers with a floating roof, a vapor recovery system, or other approved equipment.

The rulemaking prohibits using a floating roof if the vapor pressure of the stored VOCs is at least 11.0 psia under actual storage conditions. The rulemaking also requires any new stationary storage container of more than 1,000 gallons capacity to be equipped with a permanent submerged fill pipe, be a pressure tank, or be fitted with a vapor recovery system. The rulemaking exempts crude oil and condensate storage containers.

This rulemaking is part of the [1972 Complete SIP Revision](#) (01/26/1972).