

APPENDIX F

**REASONABLY AVAILABLE CONTROL TECHNOLOGY
ANALYSIS**

2013-015-SIP-NR

Adoption
June 3, 2015

TABLE OF CONTENTS

1. Introduction
1. RACT Evaluation Approach
 - 1.1. General Discussion
 - 1.2. Identification of CTG and Non-CTG Emission Sources
 - 1.3. Determining if State Regulations Fulfill RACT Requirements
2. RACT Determination and Discussion
 - 2.1. General Discussion
 - 2.2. NO_x RACT Determination
 - 2.2.1. Chapter 117 NO_x Rules
 - 2.3. VOC RACT Determination
 - 2.3.1. Chapter 115 VOC RACT Rules

1. INTRODUCTION

Under the 2008 eight-hour ozone National Ambient Air Quality Standard (NAAQS), the Dallas-Fort Worth 2008 eight-hour ozone nonattainment area (DFW area), consisting of Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise Counties, is classified as a moderate nonattainment area with a December 31, 2018 attainment deadline (77 FR 30088, May 21, 2012). Nonattainment areas classified as moderate and above are required to meet the mandates of the Federal Clean Air Act (FCAA) under §172(c)(1) and §182(b)(2) and (f). According to the EPA's implementation rule for the 2008 eight-hour ozone NAAQS (80 FR 12264, March 6, 2015), states containing areas classified as moderate nonattainment or higher must submit a state implementation plan (SIP) revision to fulfill the reasonably available control technology (RACT) requirements for all control techniques guidelines (CTG) emission source categories and all non-CTG major sources of nitrogen oxides (NO_x) and volatile organic compounds (VOC), and this SIP revision must contain adopted RACT regulations, certifications where appropriate that existing provisions are RACT, and/or negative declarations that there are no sources in the nonattainment area covered by a specific CTG source category. The major source threshold for moderate nonattainment areas is a potential to emit 100 tons per year (tpy) or more of either NO_x or VOC. The 100 tpy major source threshold applies in the newly designated Wise County. A 50 tpy major source threshold is retained for the remaining nine counties, which are currently classified as a serious nonattainment area under the 1997 eight-hour ozone NAAQS. This appendix provides the TCEQ's analysis of the sources and the applicable rules to demonstrate that the state is fulfilling the RACT requirements for the DFW area.

RACT is defined as the lowest emissions limitation that a particular source is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility (44 FR 53762, September 17, 1979). RACT requirements for moderate and higher classification nonattainment areas are included in the FCAA to assure that significant source categories at major sources of ozone precursor emissions are controlled to a reasonable extent, but not necessarily to best available control technology (BACT) levels expected of new sources or to maximum achievable control technology (MACT) levels required for major sources of hazardous air pollutants.

While RACT and reasonably available control measures (RACM) have similar consideration factors like technological and economic feasibility, there is a significant distinction between RACT and RACM. A control measure must advance attainment of the area towards the meeting the NAAQS for that measure to be considered RACM. Advancing attainment of the area is not a factor of consideration when evaluating RACT because the benefit of implementing RACT is presumed under the FCAA.

1. RACT EVALUATION APPROACH

1.1. General Discussion

The TCEQ demonstrates that the RACT requirements are being fulfilled in the DFW area by: identifying all CTG source categories of VOC emissions and submitting negative declarations for categories where there are no emission sources within the DFW area; identifying all non-CTG major sources of NO_x and VOC emissions; identifying the state regulation that implements or exceeds RACT for each applicable CTG source category or non-CTG major emission source; and describing the basis for concluding that these regulations fulfill RACT.

1.2. Identification of CTG and Non-CTG Emission Sources

The EPA has issued CTG documents defining RACT for existing facilities. The EPA has also issued alternative control techniques (ACT) documents that describe available control technologies but do not define presumptive RACT levels. The TCEQ reviewed the EPA's CTG and ACT documents to identify all source categories of NO_x and VOC emissions that require RACT. RACT determinations for non-major VOC emission sources are not required if there are no facilities in the DFW area that are subject to a CTG or ACT document. A negative declaration can be provided for source categories described within the EPA guidance documents that do not exist in the DFW area.

Under the EPA's 2008 eight-hour ozone regulations for moderate ozone nonattainment areas, the threshold for major stationary sources is a potential to emit (PTE) of 100 tpy of either NO_x or VOC emissions. This threshold was used for the newly designated Wise County. A PTE 50 tpy major source threshold was retained for the remaining nine counties, which are currently classified as a serious nonattainment area under the 1997 eight-hour ozone NAAQS. The TCEQ reviewed the point source emissions inventory and Title V databases to identify all major sources of NO_x or VOC emissions. All sources in the Title V database that were listed as a major source for NO_x or VOC emissions are included in the RACT analysis. Since the point source emissions inventory database reports actual emissions rather than potential to emit, for the previously designated nine counties, the TCEQ reviewed sources that reported actual emissions as low as 25 tpy of NO_x or VOC to account for the difference between actual and potential emissions. For Wise County, the TCEQ reviewed sources that reported actual emissions as low as 50 tpy of NO_x or VOC. Sites from the emissions inventory database with emissions of 25 and 50 tpy or more of NO_x or VOC that were not identified in the Title V database and could not be verified as minor sources by other means are also included in the RACT analysis.

1.3. Determining if State Regulations Fulfill RACT Requirements

In 2008, the EPA approved the DFW NO_x rules in 30 Texas Administrative Code (TAC) Chapter 117 (73 FR 73562). In 2009, the EPA approved the DFW VOC rules in 30 TAC Chapter 115 and NO_x rules for cement kilns in 30 TAC Chapter 117 as meeting the FCAA RACT requirements (74 FR 1903 and 74 FR 1927). In 2014, the EPA approved the 30 TAC Chapter 115 rules for VOC storage tanks as meeting the FCAA RACT requirements (79 FR 53299). State regulations in Chapter 115 that implement the controls recommended in CTG or ACT documents or that implement equivalent or superior emission control strategies were determined to fulfill RACT requirements for any CTG or ACT documents issued prior to 2006 for the nine-county DFW 1997 eight-hour ozone nonattainment area.

The EPA issued 11 CTG documents between 2006 and 2008 with recommendations for VOC controls on a variety of consumer and commercial products. The RACT analysis included in the DFW Attainment Demonstration SIP revision for the 1997 Eight-Hour Ozone Standard adopted on March 10, 2010 addressed the following three CTG documents:

- Flat Wood Paneling Coatings, Group II issued in 2006;
- Offset Lithographic and Letterpress Printing, Group II issued in 2006; and
- Fiberglass Boat Manufacturing Materials, Group IV issued in 2008.

The RACT analysis included in the DFW Attainment Demonstration SIP Revision for the 1997 Eight-Hour Ozone Standard adopted on December 7, 2011 addressed the remaining eight CTG documents:

- Flexible Packaging Printing Materials, Group II issued in 2006;

- Industrial Cleaning Solvents, Group II issued in 2006;
- Large Appliance Coatings, Group III issued in 2007;
- Metal Furniture Coatings, Group III issued in 2007;
- Paper, Film, and Foil Coatings, Group III issued in 2007;
- Miscellaneous Industrial Adhesives, Group IV issued in 2008;
- Miscellaneous Metal and Plastic Parts Coatings, Group IV issued in 2008; and
- Auto and Light-Duty Truck Assembly Coatings, Group IV issued in 2008.

In 2014, the EPA approved the 30 TAC Chapter 115 rules for offset lithographic printing as meeting the FCAA RACT requirements (79 FR 45105). In 2015, the EPA approved the DFW VOC rules in 30 TAC Chapter 115 addressing the remaining CTGs issued between 2006 and 2008, in addition to approving the DFW RACT analysis as meeting the FCAA RACT requirements for all affected VOC and NO_x sources under the 1997 eight-hour ozone NAAQS (80 FR 16291).

TCEQ rules that are consistent with or more stringent than controls implemented in other nonattainment areas were also determined to fulfill RACT requirements. Federally approved state rules and rule approval dates can be found in 40 CFR §52.2270(c), EPA Approved Regulations in the Texas SIP.

BACT is an emission standard that is based on the maximum degree of emission reduction achievable and is at least as stringent as the emission standards set by any applicable FCAA provisions. MACT is an emission standard that requires the maximum reduction of hazardous emissions and is at least as stringent as the average emission level achieved by controls on the top 12% of existing sources in the applicable source category. Therefore, emission sources subject to the more stringent BACT or MACT requirements were determined to also fulfill RACT requirements.

The TCEQ reviewed the emission sources in the DFW area and the applicable TCEQ rules to verify that all CTG or ACT emission source categories and non-CTG or non-ACT major emission sources in the DFW area were subject to requirements that meet or exceed the applicable RACT requirements, or that further emission controls on the sources were either not economically feasible or not technologically feasible.

2. RACT DETERMINATION AND DISCUSSION

2.1. General Discussion

Under the current state rules, the DFW area is subject to some of the most stringent NO_x and VOC emission control requirements in the country and for many source categories the existing rules are more stringent than recommended RACT standards for those categories. The EPA previously approved the VOC RACT analysis as submitted in the May 2007 DFW Eight-Hour Ozone Attainment Demonstration SIP Revision (74 FR 1903, January 14, 2009). The analysis demonstrated all CTG emission source categories addressed by CTG documents issued prior to 2006 and all major VOC emission sources in the DFW area were subject to rules in 30 TAC Chapter 115, or other federally enforceable measures, that meet or exceed the applicable RACT requirements, or that further emission controls on the sources were either not technologically or economically feasible. In 2014, the EPA approved the 30 TAC Chapter 115 rules for offset lithographic printing and VOC storage tanks as meeting the FCAA RACT requirements (79 FR 45105 and 79 FR 53299). In 2015, the EPA approved the DFW VOC rules in 30 TAC Chapter 115 addressing the remaining CTGs issued between 2006 and 2008, in addition to approving the DFW RACT analysis as meeting the FCAA RACT requirements for all affected VOC and NO_x sources under the 1997 eight-hour ozone NAAQS (80 FR 16291).

Table F-1: *State Rules Addressing NO_x RACT Requirements in ACT Reference Documents* provides the emission source categories, the ACT reference documents, and the state rules addressing the RACT requirements for sources in the NO_x ACT documents. Table F-2: *State Rules Addressing VOC RACT Requirements in CTG Reference Documents* provides the emission source categories, the CTG reference documents, and the state rules addressing the RACT requirements for sources in the VOC CTG documents. Table F-3: *State Rules Addressing VOC RACT Requirements in ACT Reference Documents* provides the emission source categories, the ACT reference documents, and the state rules addressing the RACT requirements for sources in the VOC ACT documents. A negative declaration is provided for emission source categories that based on information available to the TCEQ either do not exist in the DFW area or exist but do not meet the applicability criteria recommended for controls, e.g., sources with a potential to emit less than the recommended exemption thresholds.

Table F-4: *State Rules Addressing NO_x RACT Requirements for Major Emission Sources in the Nine-County DFW Area* lists the major stationary emission sources with actual or potential NO_x emissions exceeding the PTE 50 tpy major source threshold in Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant Counties. Table F-5: *State Rules Addressing NO_x RACT Requirements for Major Emission Sources in Wise County* lists the major stationary emission sources with actual or potential NO_x emissions exceeding the PTE 100 tpy major source threshold in Wise County.

Table F-6: *State Rules Addressing VOC RACT Requirements for Major Emission Sources in the Nine-County DFW Area* lists the major stationary emission sources with actual or potential VOC emissions exceeding the PTE 50 tpy major source threshold in Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant Counties. Table F-7: *State Rules Addressing VOC RACT Requirements for Major Emission Sources in Wise County* lists the major stationary emission sources with actual or potential VOC emissions exceeding the PTE 100 tpy major source threshold in Wise County.

The major source tables provide the emission source regulated entity number (RN), account number, company name, county, standard industrial classification (SIC) code, a brief description of the source, and the reported annual emissions (in tpy). The tables also include either the state rules satisfying the RACT requirements, the permit requirements that limit emissions, or the reasoned justification for why controlling the emissions is not considered RACT.

2.2. NO_x RACT Determination

2.2.1. Chapter 117 NO_x Rules

The Chapter 117 rules represent one of the most comprehensive NO_x control strategies in the nation. The NO_x controls and reductions implemented through Chapter 117 for the nine-county DFW ozone nonattainment area encompass both RACT and beyond-RACT levels of control for the 1997 eight-hour ozone standard. The current EPA-approved Chapter 117 rules continue to fulfill RACT requirements for ACT NO_x source categories that exist in the nine counties that were previously designated nonattainment under the 1997 eight-hour ozone NAAQS. One new major source in a category not previously addressed by the Chapter 117 rules, a wood-fired boiler, was identified in Kaufman County. The stationary source type categories identified in Wise County are process heaters, stationary internal combustion gas-fired engines, stationary gas turbines, and one utility electric generation source. The concurrent rulemaking (Rule Project No. 2013-049-117-AI) will address these source categories for Wise County and the wood-fired boiler in Kaufman County. Table F-1 provides additional details on the ACT source categories.

For non-ACT major NO_x emission sources for which NO_x controls are technologically and economically feasible, RACT is fulfilled by existing source-specific rules in Chapter 117, other federally enforceable measures, and by concurrent revisions to Chapter 117. Additional NO_x controls on certain major sources were determined to be either not economically feasible or not technologically feasible. Tables F-4 and F-5 provide additional detail on the non-ACT major emission sources.

2.2.1.1. Wise County Major Sources

The concurrent rulemaking (Rule Project No. 2013-049-117-AI) will satisfy major source RACT requirements for Wise County, which has a major source threshold of 100 tpy. New §117.405(b) in 30 TAC Chapter 117, Subchapter B, Division 4, will include the new emission specifications that will apply to the following unit types at major ICI stationary sources of NO_x located in Wise County: ICI process heaters; stationary, reciprocating internal combustion engines; and stationary gas turbines.

The NO_x emission specifications in §117.405(b)(2)(B) will represent RACT for the particular stationary gas-fired lean-burn engines in Wise County. These emission specifications are less stringent than the current emission specifications for stationary gas-fired lean-burn engines in the other nine counties of the DFW eight-hour ozone nonattainment area, which range between 0.50 and 0.70 grams per horsepower-hour (g/hp-hr), because this control level does not represent RACT for the stationary gas-fired lean-burn engines in Wise County.

In proposing the emission specifications for stationary gas-fired lean-burn engines in the nine-county DFW eight-hour ozone nonattainment area in December 2006, the commission acknowledged that meeting this control level may necessitate the installation of selective catalytic reduction (SCR) technology (31 TexReg 10599). SCR would cost more than the technologies already evaluated for the particular stationary engines in Wise County, and would likely result in the replacement of many of the gas-fired lean-burn engines in Wise County. Such an outcome is contrary to the definition of RACT, i.e., the lowest emission limitation that a particular source is capable of meeting by the application of control technology that is reasonable available considering technological and economic feasibility. A control level cannot represent RACT for a “particular source” if it is more cost effective to replace that source with an entirely new source in order to meet the emission limitation. The commission’s adoption of the emission specifications for gas-fired lean-burn engines in the nine-county DFW 1997 eight-hour ozone nonattainment area represented an appropriate control measure to help the area reach attainment with the 1997 eight-hour ozone NAAQS. However, control measures necessary to reach attainment can, and do, go beyond RACT requirements. Some of the NO_x control requirements adopted in 2007 for the DFW 1997 ozone NAAQS attainment demonstration were based only on RACT level of control and some, such as the emission specifications for gas-fired lean-burn engines, were beyond RACT. While the commission did not make this distinction in adopting the 2007 rulemaking and only indicated that the NO_x emission specifications would fulfill RACT, the distinction is necessary to make clear the commission’s intent for RACT in Wise County. Additionally, the commission is allowed to make source-specific RACT determinations, as the definition of RACT states.

Revised Subchapter C, Division 4 will include the emission specifications that will apply to units that are part of utility electric generation sources in Wise County.

2.2.1.2. Wood-Fired Boilers

The concurrent rulemaking (Rule Project No. 2013-049-117-AI) will satisfy RACT for the one wood-fired boiler located in Kaufman County in the 2012 Point Source Emissions Inventory.

New §117.405(a) in 30 TAC Chapter 117, Subchapter B, Division 4, will include a new emission specification for wood fuel-fired boilers in the ten-county DFW 2008 eight-hour ozone nonattainment area.

2.2.1.3. Ellis County Cement Kilns

The cement kilns located in Ellis County are subject to the requirements of Chapter 117, Subchapter E, Division 2, and in 2009, the EPA approved these rules as meeting the FCAA RACT requirements for these sources (74 FR 1927). Three companies currently operate four kilns in Ellis County. These kilns have been operating well under their §117.3123 ozone season NO_x source cap due to low product demand and replacement of higher-emitting wet kilns with dry kilns. By 2015, no sites plan to use wet kilns. No additional rulemaking would be needed to realize these reductions.

Ash Grove Cement Company (Ash Grove) operated three kilns in Ellis County. However, a 2013 consent decree¹ with the EPA required by September 10, 2014 shutdown of two kilns and reconstruction of kiln #3 with selective noncatalytic reduction (SNCR) with an emission limit of 1.5 pounds of NO_x per ton of clinker (lb NO_x/ton of clinker) and a 12-month rolling tonnage limit for NO_x of 975 tpy. The reconstructed kiln is a dry kiln with year-round SNCR operation and is subject to the 1.5 lb NO_x/ton of clinker emission standards in the New Source Performance Standards (NSPS) for Portland Cement Plants. The TCEQ has the delegated authority to enforce this standard through the agency's general NSPS delegation and the NSPS satisfies RACT for Ash Grove.

Holcim U.S., Inc. (Holcim) currently has two dry PH/PC kilns equipped with SNCR. The current §117.3123 source cap of 5.3 tpd NO_x for Holcim satisfies RACT, as previously approved by the EPA.

Texas Industries, Inc. (TXI) currently operates one dry preheater/precalciner (PH/PC) kiln (TXI #5). The permitted capacity of this kiln is 2,800,000 tons of clinker per year, and it has a permitted emissions factor of 1.95 lb NO_x/ton of clinker. Based on these permit limits, this kiln is therefore limited to a maximum of 7.48 tpd NO_x, compared to the current §117.3123 source cap of 7.9 tpd NO_x. Kiln #5 typically operates well below the source cap, at an average emission factor below 1.5 lb NO_x/ton of clinker. Although the source cap could be reduced, it is unlikely that it would result in real NO_x reductions beyond current operation, and the relatively small difference between the current permit allowable and the source cap does not justify an adjustment to the cap to satisfy RACT. The current cap, which allows for compliance flexibility to account for production variability, continues to satisfy RACT, as previously approved by the EPA.

The EPA's implementation rule for the 2008 eight-hour ozone NAAQS (80 FR 12264) follows the EPA's existing policy with respect to area wide average emission rates, which recognizes that states may demonstrate that the weighted average NO_x emission rate from all sources in the nonattainment area subject to RACT meets NO_x RACT requirements. In the preamble to the rule, the EPA states, "The EPA believes that the statute, as interpreted by the court in *NRDC v. EPA*, provides a state with the option of demonstrating that its program achieves RACT level reductions by showing emission reductions greater than or equal to reductions that would be achieved through a source-specific application of RACT in the nonattainment area...In sum, nothing in the CAA or in *NRDC v. EPA* requires that 'each and every source' in the area employ RACT or achieve RACT-level reductions. Consistent with previous guidance, the EPA continues

¹ <http://www2.epa.gov/sites/production/files/documents/ashgrove-cd.pdf>

to believe that RACT can be met on average by a group of sources within a nonattainment area rather than at each individual source.”

As stated above, the EPA has previously approved the current Ellis County ozone season NO_x source cap as meeting the FCAA RACT requirements for these sources, which is consistent with the EPA’s policy with respect to area wide average emission rates. These existing sources have complied with the cap in part by replacing higher-emitting wet kilns with dry kilns. The cement kiln RACT rules were written and approved with a provision that emissions from new construction must fit under the cap and that all ongoing operations would continue to be bound by the cap based on 2003 to 2005 production. Therefore, RACT continues to be met on average by this group of sources under the current cap. Further evaluation of RACT for these cement kilns on an “each and every source” basis to establish new limits based on the replacement of wet kilns is not necessary, and the currently approved NO_x source cap continues to represent RACT for these sources.

2.3. VOC RACT Determination

2.3.1. Chapter 115 VOC RACT Rules

In the nine counties that were previously designated nonattainment under the 1997 eight-hour NAAQS, all VOC emission source categories addressed by CTG and ACT documents that exist in the area are controlled by existing rules in Chapter 115 or other EPA-approved regulations that fulfill RACT requirements. The concurrent rulemaking (Rule Project No. 2013-048-115-AI) will address these source categories for Wise County. Tables F-2 and F-3 provide additional details on the CTG and ACT source categories.

The TCEQ previously submitted negative declarations for the following CTG source categories for the nine-county DFW 1997 eight-hour ozone nonattainment area, and is resubmitting these negative declarations as part of this SIP revision for the ten-county DFW 2008 eight-hour ozone nonattainment area:

- Fiberglass Boat Manufacturing Materials;
- Manufacture of Pneumatic Rubber Tires;
- Shipbuilding and Ship Repair Surface Coating Operations;
- Flat Wood Paneling Coatings, Group II issued in 2006;
- Letterpress Printing; and
- Vegetable Oil Manufacturing.

For the newly designated Wise County, the TCEQ submits negative declarations for the following CTG source categories:

- Fiberglass Boat Manufacturing Materials;
- Graphic Arts – Rotogravure and Flexography;
- Flexible Package Printing;
- Refinery Vacuum Producing Systems and Process Unit Turnarounds;
- Manufacture of Pneumatic Rubber Tires;
- Shipbuilding and Ship Repair Surface Coating Operations;
- Flat Wood Paneling Coatings, Group II issued in 2006;
- Letterpress Printing;
- Wood Furniture Manufacturing;
- Manufacture of Synthesized Pharmaceutical Products; and
- Vegetable Oil Manufacturing.

For all non-CTG and non-ACT major VOC emission sources for which VOC controls are technologically and economically feasible, RACT is fulfilled by existing Chapter 115 rules, other federally enforceable measures, and by concurrent revisions to Chapter 115. Additional VOC controls on certain major sources were determined to be either not economically feasible or not technologically feasible. Tables F-6 and F-7 provide additional detail on the non-CTG and non-ACT major emission sources.

2.3.1.1. Wise County CTG and non-CTG Major Source RACT

The concurrent rulemaking (Rule Project No. 2013-048-115-AI) will satisfy RACT requirements for Wise County, which has a major source threshold of 100 tpy. The following divisions of Chapter 115 will be revised to make the existing DFW VOC RACT rules applicable in Wise County:

- Subchapter B, Division 1, Storage of VOC;
- Subchapter B, Division 2, Vent Gas Control;
- Subchapter B, Division 3, Water Separation;
- Subchapter C, Division 1, Loading and Unloading of VOC;
- Subchapter C, Division 2, Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities;
- Subchapter C, Division 3, Control of VOC Leaks from Transport Vessels;
- Subchapter D, Division 3, Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas;
- Subchapter E, Division 1, Degreasing Processes;
- Subchapter E, Division 2, Surface Coating Processes;
- Subchapter E, Division 4, Offset Lithographic Printing;
- Subchapter E, Division 5, Control Requirements for Surface Coating Processes;
- Subchapter E, Division 6, Industrial Cleaning Solvents;
- Subchapter E, Division 7, Miscellaneous Industrial Adhesives; and
- Subchapter F, Division 1, Cutback Asphalt.

Table F-1: State Rules Addressing NO_x RACT Requirements in ACT Reference Documents

Emission Source Category	ACT Reference Document	State Regulations Fulfilling RACT Requirements
Cement Manufacturing	NO _x Emissions from Cement Manufacturing (EPA-453/R-94-004, March 1994) and NO _x Control Technologies for the Cement Industry: Final Report (EPA-457/R-00-002, September 2000)	§117.3100 – §117.3145
Glass Manufacturing	NO _x Emissions from Glass Manufacturing (EPA-453/R-94-037, June 1994)	§117.400 – §117.456
Industrial, Commercial, and Institutional Boilers	NO _x Emissions from Industrial, Commercial and Institutional Boilers (EPA-453/R-94-022, March 1994)	§117.400 – §117.456 Rule Project No. 2013-049-117-AI
Iron and Steel Mills	NO _x Emissions from Iron and Steel Mills (EPA-453/R-94-065, September 1994)	§117.400 – §117.456
Nitric and Adipic Acid Manufacturing	NO _x Emissions from Nitric and Adipic Acid Manufacturing Plants (EPA-453/3-91-026, December 1991)	No existing nitric or adipic acid manufacturing plants in DFW area.
Process Heaters	NO _x Emissions from Process Heaters (EPA-453/R-93-034, September 1993)	§117.400 – §117.456 Rule Project No. 2013-049-117-AI
Stationary Internal Combustion Engines	NO _x Emissions from Stationary Internal Combustion Engines (EPA-453/R-93-032, July 1993, Updated September 2000)	§117.400 – §117.456 Rule Project No. 2013-049-117-AI
Stationary Turbines	NO _x Emissions from Stationary Combustion Turbines (EPA-453/R-93-007, January 1993)	§117.400 – §117.456 Rule Project No. 2013-049-117-AI
Utility Boilers	NO _x Emissions from Utility Boilers (EPA-453/R-94-023, March 1994)	§117.1300 – §117.1356

Table F-2: State Rules Addressing VOC RACT Requirements in CTG Reference Documents

Emission Source Category	CTG Reference Document	State Regulations Fulfilling RACT Requirements
Bulk Gasoline Plants	Control of Volatile Organic Emissions from Bulk Gasoline Plants (EPA-450/2-77-035, December 1977)	§115.211 – §115.219 Rule Project No. 2013-048-115-AI
Cleaning Solvents	Control Techniques Guidelines for Industrial Cleaning Solvents (EPA-453/R-06-001, September 2006)	§115.460 – §115.469 Rule Project No. 2013-048-115-AI
Cutback Asphalt	Control of Volatile Organic Compounds from Use of Cutback Asphalt (EPA-450/2-77-037, December 1977)	§115.510 – §115.519 Rule Project No. 2013-048-115-AI
Fiberglass Boat Manufacturing Materials	Control Techniques Guidelines for Fiberglass Boat Manufacturing Materials (EPA 453/R-08-004, September 2008)	No existing sources meeting the specific CTG category description in DFW area.
Fugitive Emissions	Fugitive Emission Sources of Organic Compounds – Additional Information on Emissions, Emission Reductions, and Costs (EPA-450/3-82-010, April 1982)	§115.352 – §115.359 Rule Project No. 2013-048-115-AI
Gasoline Service Stations	Design Criteria for Stage I Vapor Control Systems - Gasoline Service Stations (EPA-450/R-75-102, November 1975)	§115.221 – §115.229 Rule Project No. 2013-048-115-AI
Graphic Arts	Control of Volatile Organic Emissions from Existing Stationary Sources, Volume VIII: Graphic Arts – Rotogravure and Flexography (EPA-450/2-78-033, December 1978)	§115.430 – §115.439
Graphic Arts	Control Techniques Guidelines for Flexible Package Printing (EPA-453/R-06-003, September 2006)	§115.430 – §115.439
Graphic Arts	Control Techniques Guidelines for Offset Lithographic Printing and Letterpress Printing (EPA-453/R-06-002, September 2006)	§115.440 – §115.449 Rule Project No. 2013-048-115-AI
Industrial Adhesives	Control Techniques Guidelines for Miscellaneous Industrial Adhesives (EPA 453/R-08-005, September 2008)	§115.470 – §115.479 Rule Project No. 2013-048-115-AI

Emission Source Category	CTG Reference Document	State Regulations Fulfilling RACT Requirements
Natural Gas/Gasoline Processing	Control of Volatile Organic Compound Equipment Leaks from Natural Gas/Gasoline Processing Plants (EPA-450/3-83-007, December 1983)	§115.352 – §115.359 Rule Project No. 2013-048-115-AI
Petroleum Liquid Storage	Control of Volatile Organic Emissions from Storage of Petroleum Liquids in Fixed-Roof Tanks (EPA-450/2-77-036, December 1977)	§115.110 – §115.119 Rule Project No. 2013-048-115-AI
Petroleum Liquid Storage	Control of Volatile Organic Emissions from Petroleum Liquid Storage in External Floating Roof Tanks (EPA-450/2-78-047, December 1978)	§115.110 – §115.119 Rule Project No. 2013-048-115-AI
Refineries	Control of Refinery Vacuum Producing Systems, Wastewater Separators, and Process Unit Turnarounds (EPA-450/2-77-025, October 1977)	§115.120 – §115.129 §115.131 – §115.139 §115.311 – §115.319
Refineries	Control of Volatile Organic Compound Leaks from Petroleum Refinery Equipment (EPA-450/2-78-036, June 1978)	§115.352 – §115.359
Rubber Tires	Control of Volatile Organic Emissions from Manufacture of Pneumatic Rubber Tires (EPA-450/2-78-030, December 1978)	No existing major sources in DFW area (SIC 3011).
Solvent Cleaning	Control of Volatile Organic Emissions from Solvent Metal Cleaning (EPA-450/2-77-022, November 1977)	§115.412 – §115.419 §115.420 – §115.429 Rule Project No. 2013-048-115-AI
Surface Coating	Control of Volatile Organic Emissions from Existing Stationary Sources, Volume I: Control Methods for Surface Coating Operations (EPA-450/2-76-028, November 1976)	§115.420 – §115.429 Rule Project No. 2013-048-115-AI
Surface Coating	Control of Volatile Organic Emissions from Existing Stationary Sources, Volume II: Surface Coating of Cans, Coils, Paper, Fabrics, Automobiles, and Light-Duty Trucks (EPA-450/2-77-008, May 1977)	§115.420 – §115.429 Rule Project No. 2013-048-115-AI
Surface Coating	Control of Volatile Organic Emissions from Existing Stationary Sources, Volume III: Surface Coating of Metal Furniture (EPA-450/2-77-032, December 1977)	§115.450-§115.459 Rule Project No. 2013-048-115-AI

Emission Source Category	CTG Reference Document	State Regulations Fulfilling RACT Requirements
Surface Coating	Control of Volatile Organic Emissions from Existing Stationary Sources, Volume IV: Surface Coating of Insulation of Magnet Wire (EPA-450/2-77-033, December 1977)	§115.420 – §115.429 Rule Project No. 2013-048-115-AI
Surface Coating	Control of Volatile Organic Emissions from Existing Stationary Sources, Volume V: Surface Coating of Large Appliances (EPA-450/2-77-034, December 1977)	§115.420 – §115.429 Rule Project No. 2013-048-115-AI
Surface Coating	Control of Volatile Organic Emissions from Existing Stationary Sources, Volume VI: Surface Coating of Miscellaneous Metal Parts and Products (EPA-450/2-78-015, June 1978)	§115.420 – §115.429 Rule Project No. 2013-048-115-AI
Surface Coating	Control of Volatile Organic Emissions from Existing Stationary Sources, Volume VII: Factory Surface Coating of Flat Wood Paneling (EPA-450/2-78-032, June 1978)	§115.420 – §115.429
Surface Coating	Control Technique Guidelines for Shipbuilding and Ship Repair Operations (Surface Coating) (61 FR 44050, August 27, 1996)	No existing major sources in DFW area (SIC 3731).
Surface Coating	Guideline Series: Control of Volatile Organic Compound Emissions from Coating Operations at Aerospace Manufacturing and Rework Operations (EPA-453/R-97-004, December 1997) (see also 59 FR 29216, June 6, 1994)	§115.420 – §115.429 Rule Project No. 2013-048-115-AI
Surface Coating	Control Techniques Guidelines for Flat Wood Paneling Coatings (EPA-453/R-06-004, September 2006)	No existing sources in the DFW area.
Surface Coating	Control Techniques Guidelines for Paper, Film, and Foil Coatings (EPA 453/R-07-003, September 2007)	§115.450 – §115.459
Surface Coating	Control Techniques Guidelines for Large Appliance Coatings (EPA 453/R-07-004, September 2007)	§115.450 – §115.459 Rule Project No. 2013-048-115-AI
Surface Coating	Control Techniques Guidelines for Metal Furniture Coatings (EPA 453/R-07-005, September 2007)	§115.450 – §115.459 Rule Project No. 2013-048-115-AI

Emission Source Category	CTG Reference Document	State Regulations Fulfilling RACT Requirements
Surface Coating	Control Techniques Guidelines for Miscellaneous Metal and Plastic Parts Coatings (EPA 453/R-08-003, September 2008)	§115.450 – §115.459 Rule Project No. 2013-048-115-AI
Surface Coating	Control Techniques Guidelines for Automobile and Light-Duty Truck Assembly Coatings (EPA 453/R-08-006, September 2008)	§115.450 – §115.459 Rule Project No. 2013-048-115-AI
Synthetic Organic Chemical Manufacturing Industry	Control of Volatile Organic Emissions from Manufacture of Synthesized Pharmaceutical Products (EPA-450/2-78-029, December 1978)	§115.531 – §115.539
Synthetic Organic Chemical Manufacturing Industry	Control of Volatile Organic Compound Emissions from Manufacture of High-Density Polyethylene, Polypropylene, and Polystyrene Resins (EPA-450/3-83-008, November 1983)	§115.120 – §115.129 Rule Project No. 2013-048-115-AI
Synthetic Organic Chemical Manufacturing Industry	Control of Volatile Organic Compound Fugitive Emissions from Synthetic Organic Chemical Polymer and Resin Manufacturing Equipment (EPA-450/3-83-006, March 1984)	§115.352 – §115.359 Rule Project No. 2013-048-115-AI
Synthetic Organic Chemical Manufacturing Industry	Control of Volatile Organic Compound Emissions from Air Oxidation Processes in Synthetic Organic Chemical Manufacturing Industry (EPA-450/3-84-015, December 1984)	§115.120 – §115.129 Rule Project No. 2013-048-115-AI
Synthetic Organic Chemical Manufacturing Industry	Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations in Synthetic Organic Chemical Manufacturing Industry (EPA-450/4-91-031, August 1993)	§115.120 – §115.129 Rule Project No. 2013-048-115-AI
Tank Trucks	Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals (EPA-450/2-77-026, October 1977)	§115.211 – §115.219 §115.221 – §115.229 Rule Project No. 2013-048-115-AI
Tank Trucks	Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems (EPA-450/2-78-051, December 1978)	§115.211 – §115.219 §115.234 – §115.239 Rule Project No. 2013-048-115-AI

Emission Source Category	CTG Reference Document	State Regulations Fulfilling RACT Requirements
Vegetable Oil Manufacturing	Control of Volatile Organic Emissions from Manufacture of Vegetable Oils (EPA-450/2-78-035, June 1978)	No existing major sources in DFW area (SIC 2046 and 2076).
Wood Furniture Manufacturing	Guidelines Series: Control of Volatile Organic Compound Emissions from Wood Furniture Manufacturing Operations (EPA-453/R-96-007, April 1996) (see also 61 FR 25223, May 20, 1996 and 61 FR 50823, September 27, 1996)	§115.420 – §115.429

*Petroleum Dry Cleaning Systems (Control of Volatile Organic Compound Emissions from Large Petroleum Dry Cleaners (EPA-450/3-82-009, 1982)) is no longer included in the above list of CTG and ACT guidance documents. On May 16, 2006, the EPA removed this emission source category from the Federal Clean Air Act §183(e) list of products for regulation (71 FR 28320).

Table F-3: State Rules Addressing VOC RACT Requirements in ACT Reference Documents

Emission Source Category	ACT Reference Document	State Regulations Fulfilling RACT Requirements
Agricultural Pesticides	Control of Volatile Organic Compound Emissions from the Application of Agricultural Pesticides (EPA-453/R-92-011, March 1993)	The TCEQ does not regulate the use of agricultural pesticides and this ACT document does not give presumptive controls; therefore, no RACT determination is required for this source category.
Batch Processes	Alternative Control Techniques Document: Control of Volatile Organic Compound Emissions from Batch Processes (EPA-453/R-93-017 or EPA-453/R-93-020, February 1994)	One major source and RACT-level controls are already in place. See Table F-6.
Cleaning Solvents	Alternative Control Techniques Document: Industrial Cleaning Solvents (EPA-453/R-94-015, February 1994)	§115.412 – §115.419 §115.420 – §115.429 Rule Project No. 2013-048-115-AI
Commercial Bakeries	Alternative Control Techniques Document: Bakery Ovens (EPA-453/R-92-017, December 1992)	§115.120 – §115.129
Ethylene Oxide Sterilization/Fumigation Operations	Alternative Control Techniques Document: Ethylene Oxide Sterilization/Fumigation Operations (EPA-450/3-89-007, March 1989)	Emissions from this source category are regulated by MACT per §113.200.
Graphic Arts	Alternative Control Techniques Document: Offset Lithographic Printing (EPA-453/R-94-054, June 1994) and Control of Volatile Organic Compound Emissions from Offset Lithographic Printing (EPA-453/D-95-001, September 1993)	§115.440 – §115.449 Rule Project No. 2013-048-115-AI
Industrial Wastewater	Industrial Wastewater Alternative Control Techniques (Draft CTG, EPA-453/D-93-056, September 1992, was not finalized by issued as ACT in April 1994, and consists of cover memo with option tables and draft CTG)	§115.140 – §115.149

Emission Source Category	ACT Reference Document	State Regulations Fulfilling RACT Requirements
Leather Tanning and Finishing Operations	Alternative Control Technology Document: Leather Tanning and Finishing Operations (EPA-453/R-93-025)	No existing major sources in DFW area (SIC 3111).
Petroleum Liquid Storage	Alternative Control Techniques Document: Volatile Organic Liquid Storage in Floating and Fixed Roof Tanks (EPA-453/R-94-001, January 1994)	§115.110 – §115.119 Rule Project No. 2013-048-115-AI
Plywood Veneer Dryers	Control Techniques for Organic Emissions from Plywood Veneer Dryers (EPA-450/3-83-012, May 1983)	No existing major sources in DFW area (SIC 2435 and 2436).
Process Vents	Alternative Control Technology Document: Organic Waste Process Vents (EPA-450/3-91-007, December 1990)	§115.120 – §115.129 Rule Project No. 2013-048-115-AI
Solvent Cleaning	Alternative Control Technology Document: Halogenated Solvent Cleaners (EPA-450/3-89-030, August 1989)	§115.412 – §115.419 Rule Project No. 2013-048-115-AI
Surface Coating	Reduction of Volatile Organic Compound Emissions from the Application of Traffic Markings (EPA-450/3-88-007, August 1988). The Architectural and Industrial Maintenance coatings national rule issued in 1998 includes limits for traffic coatings and superseded the ACT.	Emissions from this source category are regulated by the Architectural and Industrial Maintenance National Rule.
Surface Coating	Reduction of Volatile Organic Compound Emissions from Automobile Refinishing (EPA-450/3-88-009, October 1988, NTIS No PB-89-148-282)	§115.420 – §115.429 Rule Project No. 2013-048-115-AI
Surface Coating	Alternative Control Techniques Document: Surface Coating of Automotive/Transportation and Business Machine Plastic Parts (EPA-453/R-94-017, February 1994)	§115.450 – §115.459
Surface Coating	Alternative Control Technology Document: Surface Coating Operations at Shipbuilding and Ship Repair Facilities (EPA-453/R-94-032, April 1994)	No existing major sources in DFW area (SIC 3731).

Emission Source Category	ACT Reference Document	State Regulations Fulfilling RACT Requirements
Surface Coating	Alternative Control Techniques Document: Automobile Body Refinishing (EPA-453/R-94-031, April 1994) (Note: a national rule for auto-body refinishing was issued in 1998 after the ACT)	§115.420 – §115.429 Rule Project No. 2013-048-115-AI
Synthetic Organic Chemical Manufacturing Industry	Control of VOC Emissions from Polystyrene Foam Manufacturing (EPA-450/3-90-020, September 1990)	§115.120 – §115.129 Rule Project No. 2013-048-115-AI

Table F-4: State Rules Addressing NO_x RACT Requirements for Major Emission Sources in the Nine-County DFW Area

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN100218643	CP0029G	Exide Technologies	Collin	3341	Secondary Nonferrous Metals	52.8	§117.400 – §117.456	
RN100219203	CP0026M	City of Garland Power and Light	Collin	4911	Electric Services	32.2	§117.1300 – §117.1356	
RN100218080	DB1073N	Dal Tile Corporation	Dallas	3253	Ceramic Wall and Floor Tile	71.4	§117.400 – §117.456	
RN100219963	DB1494I	Solar Turbines Inc	Dallas	3511	Turbines and Turbine Generator	73.4	NA	Engine testing, turbine. Additional control of NO _x emissions not technologically feasible.
RN100225291	DB0632E	Owens Corning Roofing and Asphalt LLC	Dallas	2952	Asphalt Felts and Coatings	34.5	§117.400 – §117.456	
RN100654581	DB0087J	Baylor University Medical Center	Dallas	8062	General Medical and Surgical Hospitals	17.2	§117.400 – §117.456	
RN100658467	DB1974M	U.S. Department of Veterans Affairs	Dallas	4961	Steam and Air Conditioning Supply	9.0	§117.400 – §117.456	

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN100673490	DB0249H	Luminant Generation Co LLC	Dallas	4911	Electric Services	85.3	§117.1300 – §117.1356	
RN101434587	DB0914O	Triumph Aerostructures LLC	Dallas	3721	Aircraft	13.2	§117.400 – §117.456	
RN101559235	DB0252S	ExTex LaPorte LP	Dallas	4911	Electric Services	169.0	§117.1300 – §117.1356	
RN102505195	DB0820B	Texas Instruments Incorporated	Dallas	3674	Semiconductors and Related Devices	57.6	§117.400 – §117.456	
RN100216225	DF0558Q	Texas Aero Engine Service LLC	Denton	4581	Airports, Flying Fields, Service	89.3	NA	Engine testing, aircraft. Additional control of NO _x emissions not technologically feasible. FCAA prohibition regarding jet engine test cells.
RN100542257	DF0223E	Waste Management of North Texas	Denton	4953	Refuse Systems	76.8	§117.400 – §117.456	

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN102934692	DFA170N	Devon Gas Services LP	Denton	1311	Crude Petroleum and Natural Gas	45.2	§117.400 – §117.456	
RN105071435	DFA178V	Crosstex North Texas Pipeline LP	Denton	1311	Crude Petroleum and Natural Gas	45.7	§117.400 – §117.456	
RN106160260	DFA235A	Devon Gas Services LP	Denton	1311	Crude Petroleum and Natural Gas	27.3	§117.400 – §117.456	
RN100212430	ED0347N	Ennis Power Company LLC	Ellis	4911	Electric Services	164.6	§117.1300 – §117.1356	
RN100213479	ED0018M	Elk Corporation of Texas	Ellis	2952	Asphalt Felts and Coatings	69.6	§117.400 – §117.456	
RN100213537	ED0168P	Dartco of Texas LP	Ellis	3089	Plastics Products, NEC	15.1	§117.400 – §117.456	
RN100216472	ED0011D	Chaparral Steel Midlothian LP	Ellis	3312	Blast Furnaces and Steel Mills	296.2	§117.400 – §117.456	
RN100217199	ED0066B	TXI Operations LP	Ellis	3241	Cement, Hydraulic	1097.7	§117.3100 – §117.3145	
RN100219286	ED0099J	Holcim Texas LP	Ellis	3241	Cement, Hydraulic	756.1	§117.3100 – §117.3145	

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN100223585	ED0051O	Owens Corning Insulating Systems LLC	Ellis	3296	Mineral Wool	109.0	§117.400 – §117.456	
RN100225978	ED0034O	Ash Grove Cement Company	Ellis	3241	Cement, Hydraulic	1397.1	§117.3100 – §117.3145	Reconstructed kiln #3 is subject to the NSPS for Portland Cement Plants.
RN100542232	ED024OJ	Waste Management of North Texas	Ellis	4953	Refuse Systems	50.7	§117.400 – §117.456	
RN100542588	ED0238T	Atmos Energy Corp	Ellis	4922	Natural Gas Transmission	35.8	§117.400 – §117.456	
RN102596400	ED0332D	Midlothian Energy LLC	Ellis	4911	Electric Services	237.5	§117.1300 – §117.1356	
RN102903432	EDA001A	Energy Transfer Fuel LP	Ellis	4922	Natural Gas Transmission	65.7	§117.400 – §117.456	
RN100210889	JH0045I	Texas Lime Co	Johnson	3274	Lime	506.3	§117.400 – §117.456	
RN100213719	JH0025O	Johns Manville International Inc	Johnson	3296	Mineral Wool	75.0	§117.400 – §117.456	

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN100223312	JH0230L	Brazos Electric Power Cooperative Inc	Johnson	4911	Electric Services	115.0	§117.1300 – §117.1356	
RN104260096	JHA003C	Texas Midstream Gas Services LLC	Johnson	1311	Crude Petroleum and Natural Gas	44.6	§117.400 – §117.456	
RN104283635	JHA001A	Texas Midstream Gas Services LLC	Johnson	1311	Crude Petroleum and Natural Gas	60.2	§117.400 – §117.456	
RN104377692	JHA004D	Energy Transfer Fuel LP	Johnson	4922	Natural Gas Transmission	52.4	§117.400 – §117.456	
RN104795497	JHA0930	Devon Gas Services LP	Johnson	1311	Crude Petroleum and Natural Gas	50.6	§117.400 – §117.456	
RN104927876	JHA018R	Cowtown Gas Processing Partners LP	Johnson	1311	Crude Petroleum and Natural Gas	68.8	§117.400 – §117.456	
RN104928676	JHA012L	ETC Texas Pipeline LTD	Johnson	1321	Natural Gas Liquids	82.0	§117.400 – §117.456	
RN104962634	JHA028B	Barnett Gathering LP	Johnson	1311	Crude Petroleum and Natural Gas	42.0	§117.400 – §117.456	
RN105132609	JHA022V	Texas Midstream Gas Services LLC	Johnson	1311	Crude Petroleum and Natural Gas	36.6	§117.400 – §117.456	

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN105171029	JHA024X	Texas Midstream Gas Services LLC	Johnson	1311	Crude Petroleum and Natural Gas	45.8	§117.400 – §117.456	
RN105225700	JHA049W	Crosstex North Texas Gathering LP	Johnson	4922	Natural Gas Transmission	37.2	§117.400 – §117.456	
RN105372197	JHA047U	Crosstex North Texas Gathering LP	Johnson	1311	Crude Petroleum and Natural Gas	46.1	§117.400 – §117.456	
RN105378434	JHA048V	Crosstex North Texas Gathering LP	Johnson	1311	Crude Petroleum and Natural Gas	35.6	§117.400 – §117.456	
RN105580617	JHA052Z	Barnett Gathering LP	Johnson	1311	Crude Petroleum and Natural Gas	50.1	§117.400 – §117.456	
RN105633085	JHA042P	Devon Gas Services LP	Johnson	1311	Crude Petroleum and Natural Gas	57.0	§117.400 – §117.456	
RN105779441	JHA054B	Barnett Gathering LP	Johnson	1311	Crude Petroleum and Natural Gas	30.9	§117.400 – §117.456	
RN100213420	KB0176S	FPLE Forney, LP	Kaufman	4911	Electric Services	1080.9	§117.1300 – §117.1356	

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN100754779	KB0156B	Smurfit Kappa Orange County LLC	Kaufman	2631	Paperboard Mills	60.6	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN100226414	PC0013U	Enbridge G&P North Texas LP	Parker	1321	Natural Gas Liquids	46.4	§117.400 – §117.456	
RN100242510	PC0300O	Devon Gas Services LP	Parker	1311	Crude Petroleum and Natural Gas	21.7	§117.400 – §117.456	
RN104700711	PCA010J	Energy Transfer Fuel LP	Parker	1311	Crude Petroleum and Natural Gas	28.1	§117.400 – §117.456	
RN104783261	PCA013M	Energy Transfer Fuel LP	Parker	4922	Natural Gas Transmission	7.6	§117.400 – §117.456	
RN104891825	PCA006F	Crosstex CCNG Processing LTD	Parker	4922	Natural Gas Transmission	36.9	§117.400 – §117.456	
RN105010797	PCA008H	Barnett Gathering LP	Parker	1311	Crude Petroleum and Natural Gas	20.9	§117.400 – §117.456	
RN105072516	PCA020T	Crosstex North Texas Gathering LP	Parker	4922	Natural Gas Transmission	52.9	§117.400 – §117.456	
RN105093512	PCA007G	Enbridge G&P North Texas LP	Parker	1321	Natural Gas Liquids	39.3	§117.400 – §117.456	

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN105163232	PCA021U	Crosstex CCNG Processing LTD	Parker	1321	Natural Gas Liquids	46.0	§117.400 – §117.456	
RN105225734	PCA032F	Crosstex North Texas Gathering LP	Parker	4922	Natural Gas Transmission	44.4	§117.400 – §117.456	
RN100218007	TA0009B	Alcon Laboratories Inc	Tarrant	2834	Pharmaceutical Preparations	32.6	§117.400 – §117.456	
RN100942259	TA0512K	City of Fort Worth	Tarrant	4952	Sewerage Systems	45.4	§117.400 – §117.456	
RN101991925	TA3161T	Waste Management of North Texas	Tarrant	4953	Refuse Systems	22.7	§117.400 – §117.456	
RN102336906	TA0353G	ExTex LaPorte LP	Tarrant	4911	Electric Services	95.8	§117.1300 – §117.1356	
RN102505963	TA0157I	General Motors Corp	Tarrant	3711	Motor Vehicles and Car Bodies	50.7	§117.400 – §117.456	
RN102649399	TA0235N	Miller Coors LLC	Tarrant	2082	Malt Beverages	24.7	§117.400 – §117.456	
RN102939626	TAA008H	Crosstex North Texas Gathering LP	Tarrant	1311	Crude Petroleum and Natural Gas	50.4	§117.400 – §117.456	

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN104475157	TAA013M	Barnett Gathering LP	Tarrant	1311	Crude Petroleum and Natural Gas	27.2	§117.400 – §117.456	
RN104475165	TAA038L	Barnett Gathering LP	Tarrant	1311	Crude Petroleum and Natural Gas	25.8	§117.400 – §117.456	
RN104787478	TAA014N	Barnett Gathering LP	Tarrant	1311	Crude Petroleum and Natural Gas	42.4	§117.400 – §117.456	
RN105010714	TAA021U	Barnett Gathering LP	Tarrant	1311	Crude Petroleum and Natural Gas	40.9	§117.400 – §117.456	
RN105233811	TAA059G	Texas Midstream Gas Services LLC	Tarrant	1311	Crude Petroleum and Natural Gas	38.7	§117.400 – §117.456	
RN105304521	TAA035I	Barnett Gathering LP	Tarrant	1311	Crude Petroleum and Natural Gas	41.7	§117.400 – §117.456	
RN105522387	TAA042P	Barnett Gathering LP	Tarrant	1311	Crude Petroleum and Natural Gas	38.5	§117.400 – §117.456	

Table F-5: State Rules Addressing NO_x RACT Requirements for Major Emission Sources in Wise County

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN100209808	WN0059E	Devon Gas Services LP	Wise	1311	Crude Petroleum and Natural Gas	66.7	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN100210194	WN0028P	Upham Oil and Gas Co	Wise	1311	Crude Petroleum and Natural Gas	43.5	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN100212539	WN0217K	Devon Gas Services LP	Wise	1311	Crude Petroleum and Natural Gas	179.0	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN100222736	WN0054O	Natural Gas Pipeline Co	Wise	4922	Natural Gas Transmission	0.4	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN100223619	WN0021G	Devon Gas Services, LP	Wise	1321	Natural Gas Liquids	1037.2	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN100229715	WN0017U	Enbridge Gathering North Texas LP	Wise	1311	Crude Petroleum and Natural Gas	62.4	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN100238716	WN0005E	Targa North Texas LP	Wise	1321	Natural Gas Liquids	332.4	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN101330959	WN0231Q	Devon Gas Services LP	Wise	1311	Crude Petroleum and Natural Gas	87.2	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN102074580	WN0236G	Enbridge Gathering North Texas LP	Wise	1311	Crude Petroleum and Natural Gas	41.9	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN102552387	WN0042V	Targa North Texas LP	Wise	1311	Crude Petroleum and Natural Gas	44.8	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN102552452	WN0183C	Targa North Texas LP	Wise	1311	Crude Petroleum and Natural Gas	22.7	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN102584844	WN0211W	Wise County Power Co LLC	Wise	4911	Electric Services	255.8	§117.1300 – §117.1356 Rule Project No. 2013-049-117-AI	
RN102605128	WN0044R	Dynegy Midstream Services LP	Wise	1311	Crude Petroleum and Natural Gas	51.9	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN102694478	WN0094C	Devon Gas Services LP	Wise	1321	Natural Gas Liquids	58.9	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	

RN	Account	Company	County	SIC	SIC Description	2012 Actual tpy	Rules Addressing RACT	Notes
RN102696796	WN0119L	Devon Gas Services LP	Wise	1311	Crude Petroleum and Natural Gas	81.2	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN102700176	WN0210B	Devon Gas Services LP	Wise	1311	Crude Petroleum and Natural Gas	130.5	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN102772944	WN0040C	Devon Gas Services LP	Wise	1311	Crude Petroleum and Natural Gas	86.1	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN102913225	WN0234K	Devon Gas Services LP	Wise	1311	Crude Petroleum and Natural Gas	172.7	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN102977311	WN0154J	Targa North Texas LP	Wise	1311	Crude Petroleum and Natural Gas	92.2	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN104261623	WNA159G	Devon Gas Services LP	Wise	1311	Crude Petroleum and Natural Gas	70.8	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	
RN105623813	WNA162J	Devon Gas Services LP	Wise	1311	Crude Petroleum and Natural Gas	73.8	§117.400 – §117.456 Rule Project No. 2013-049-117-AI	

Table F-6: State Rules Addressing VOC RACT Requirements for Major Emission Sources in the Nine-County DFW Area

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100758523	CP0386C	TYG Leasing LP	Collin	3061	Mechanical Rubber Goods	46.5	§115.450 – §115.459	
RN100219419	CP0396W	Encore Wire Limited	Collin	3351	Copper Rolling and Drawing	40.4	§115.110 – §115.119 §115.120 – §115.129 §115.412 – §115.419 §115.420 – §115.429	
RN102601101	CP0175R	Color Dynamics Inc.	Collin	2752	Commercial Printing Lithograph	24.4	§115.440 – §115.449	
RN100218643	CP0029G	Exide	Collin	3341	Secondary Nonferrous Metals	No emissions reported in 2011	NA	
RN100218023	DB0374D	Fritz Industries Inc.	Dallas	3272	Tile and Oil Field Products	94.6	§115.110 – §115.119 §115.120 – §115.129 §115.412 – §115.419	
RN102660909	DB0482W	General Dynamics Ordnance and Tactical Systems Inc.	Dallas	3483	Ammunition, Except for Small Arm	9.6	§115.450 – §115.459	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN102505195	DB0820B	Texas Instruments Inc.	Dallas	3674	Semiconductors and Related Devices	76.9	§115.110 – §115.119 §115.412 – §115.419 §115.211 – §115.219	
RN100215508	DB1276U	Tekni Plex Inc.	Dallas	5169	Chemicals and Allied Products NEC	64.8	§115.120 – §115.129 §115.412 – §115.419 §115.430 – §115.439	
RN100213040	DB2335W	Earthgrains Baking Companies Inc.	Dallas	2051	Bread, cake, and related products	6.2	§115.120 – §115.129	
RN100242015	DB0588F	Magellan Pipeline Terminals LP	Dallas	4226	Special Warehousing and Storage	55.7	§115.110 – §115.119 §115.211 – §115.219 §115.234 – §115.239	
RN101434587	DB0914O	Triumph Aerostructures LLC	Dallas	3721	Aircraft	54.4	§115.420 – §115.429	
RN100218080	DB1073N	American Marazzi Tile Inc.	Dallas	3253	Ceramic Wall and Floor Tile	51	§115.120 – §115.129	
RN100519651	DB0795V	Motiva Enterprises LLC-Dallas Terminal	Dallas	5171	Petroleum Bulk Stations and Terminals	42.8	§115.110 – §115.119 §115.131 – §115.139 §115.211 – §115.219 §115.234 – §115.239	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN102593894	DB0838F	Masco Cabinetry LLC	Dallas	2434	Wood Kitchen Cabinets	41	§115.420 – §115.429	
RN100218668	DB0179D	Rock Tenn Co.	Dallas	2621	Paper Mills	40.5	§115.120 – §115.129	
RN102302007	DB3613K	Western Cabinets Inc.	Dallas	2434	Wood Kitchen Cabinets	38.8	§115.420 – §115.429 §115.470 – §115.479	
RN100664853	DB0155R	Tamko Building Products Inc.	Dallas	2952	Asphalt Felts and Coatings	35.8	§115.120 – §115.129	
RN100212984	DB0344M	Exxon Mobil Corp.	Dallas	5171	Petroleum Bulk Stations and Terminals	30.7	§115.110 – §115.119 §115.211 – §115.219 §115.234 – §115.239	
RN100215995	DB0286B	Engineered Polymers Solutions Inc.	Dallas	2851	Paints and Allied Products	28.1	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219 §115.460 – §115.469 §115.234 – §115.239	
RN100746007	DB4914J	Trend Offset Printing Services Inc.	Dallas	2752	Commercial Printing Lithograph	27.8	§115.440 – §115.449	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100225291	DB0632E	Owens Corning Roofing and Asphalt LLC	Dallas	2952	Asphalt Felts and Coatings	27.6	§115.120 – §115.129 §115.211 – §115.219 §115.234 – §115.239 §115.412 – §115.419	
RN100559988	DB0795V	Rmax Inc.	Dallas	3086	Plastics, Foam Products	26.4	§115.120 – §115.129	
RN100708619	DB0595I	Atrium Companies Inc.	Dallas	3442	Metal Doors, Sash, and Trim	24.4	§115.450 – §115.459	
RN100218197	DB0728N	Sherwin Williams Company	Dallas	2851	Paints and Allied Products	23.7	§115.110 – §115.119 §115.120 – §115.129	
RN100564509	DB0135A	Hatco Inc.	Dallas	2353	Hats, Caps, and Millinery	23.7	§115.120 – §115.129	
RN100673490	DB0249H	Luminant Generation Co. LLC	Dallas	4911	Electric Services	23.2	§115.110 – §115.119	VOC emissions from combustion sources. Additional control for RACT is not economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100661073	DB1573L	Vertis Inc.	Dallas	2752	Commercial Printing Lithograph	22	§115.440 – §115.449	
RN100788959	DB0378S	Building Materials Corporation of America	Dallas	2952	Asphalt Felts and Coatings	22	§115.120 – §115.129 §115.110 – §115.119	
RN101559235	DB0252S	ExTex LaPorte LP	Dallas	4911	Electric Services	20.1	NA	VOC emissions from combustion sources. Additional control for RACT is not economically feasible.
RN100689934	DB0447B	Hensley Industries Inc.	Dallas	3325	Steel Foundries, NEC	174.2	§115.110 – §115.119 §115.120 – §115.129 §115.450 – §115.459	
RN100215185	DB0915M	Triumph Aerostructures	Dallas	3728	Aircraft Parts and Equipment NEC	17.7	§115.420 – §115.429	
RN100215581	DB0476R	Atlas Copco Drilling Solutions LLC	Dallas	3531	Construction Machinery	12.4	§115.450 – §115.459	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100600287	DBA002B	RSI Home Products Manufacturing Inc.	Dallas	2434	Wood Kitchen Cabinets	1.8	§115.420 – §115.429	
RN102934692	DFA170N	Devon Gas Services LP	Denton	1311	Crude Petroleum and Natural Gas	40.1	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional compressor station VOC emissions from combustion sources. Additional control for RACT is not economically feasible.
RN102615747	DF0089H	Tetra Pak Materials LP	Denton	2656	Sanitary Food Containers	39.9	§115.430 – §115.439	
RN100222231	DF0261T	American Airlines Inc.	Denton	4581	Airports, Flying Fields, Service	35.2	§115.131 – §115.139 §115.211 – §115.219 §115.234 – §115.239 §115.412 – §115.419 §115.420 – §115.429	
RN100211762	DF0051J	Peterbilt Motors Co.	Denton	3711	Motor Vehicles and Car Bodies	270	§115.450 – §115.459	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100215441	DF0042K	Safety Kleen Systems Inc.	Denton	7389	Business Services NEC	23	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219 §115.234 – §115.239	
RN100223585	ED0051O	Owens Corning Insulating Systems LLC	Ellis	3296	Mineral Wool	96.4	§113.710 §113.930 §115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	VOC controls from organic HAP MACT controls in 40 CFR 63 Subparts NNN and JJJ are incorporated via §113.710 and §113.930. Additional control for RACT is not economically feasible.
RN100213537	ED0168P	Dartco of Texas LP	Ellis	3089	Plastic Products, NEC	826.5	§115.211 – §115.219	
RN100225978	ED0034O	Ash Grove Texas LP	Ellis	3241	Cement, Hydraulic	44.3	§115.110 – §115.119 §115.412 – §115.419	
RN100213479	ED0018M	Elk Corporation of Texas	Ellis	2952	Asphalt Felts and Coatings	36.6	§115.110 – §115.119	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100216472	ED0011D	Chaparral Steel Midloathian LP	Ellis	3312	Blast Furnaces and Steel Mills	294.4	§115.211 – §115.219	VOC emissions from other operations are controlled per BACT in NSR Permit Nos. 1635, 3026, 5983, 8097, and 8099. Further control may also be required by MACT. Additional control for RACT is not economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN102903432	EDA001A	Energy Transfer Fuel LP	Ellis	4922	Natural Gas Transmission	23	NA	Compressor station VOC emissions mostly from stationary internal combustion engines already equipped with oxidative catalyst or lean burn technology. Additional VOC control for RACT is not technologically or economically feasible.
RN100574078	EDA005E	Southern Frac LLC	Ellis	2842	Specialty Cleaning, Polishes and Sanitation Goods	21.5	§115.450 – §115.459	
RN100219286	ED0099J	Holcim Texas LP	Ellis	3241	Cement, Hydraulic	197.8	§115.211 – §115.219	Additional control for RACT is not economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN102596400	ED0332D	Midlothian Energy LP	Ellis	4911	Electric Power Generation	19.3	§115.211 – §115.219 §115.234 – §115.239	Majority of VOC emissions from combustion sources. Additional control for RACT is not economically feasible.
RN1002171799	ED0066B	TXI Operations LP	Ellis	3241	Cement, Hydraulic	12.2	§115.211 – §115.219	Additional control for RACT is not economically feasible.
RN100763895	JH0263T	James Hardie Building Products	Johnson	3272	Concrete Products, NEC	8.8	§115.120 – §115.129 §115.412 – §115.419 §115.460 – §115.469	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100213719	JH0025O	Johns Manville International Inc.	Johnson	3296	Mineral Wool	66.1	§115.120 – §115.129 §115.450 – §115.459	VOC controls from organic HAP MACT controls in 40 CFR 63 Subparts NNN and JJJ are incorporated via §113.710 and §113.930. Vent gas streams meet applicable exemptions in §115.127. VOC emissions meet exemption in §115.427. Additional control for RACT is not economically feasible.
RN104459078	JHA008H	EOG Resources Inc.- Meadows Compressor Site	Johnson	1311	Crude Petroleum and Natural Gas	42	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219 §115.234 – §115.239	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN104927876	JHA018R	Devon Gas Services LP- West Johnson County Plant	Johnson	1311	Crude Petroleum and Natural Gas	35	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional compressor station VOC emissions from combustion sources. Additional control for RACT is not economically feasible.
RN104962634	JHA028B	Barnett Gathering LP- Lilian Compressor Station	Johnson	1311	Crude Petroleum and Natural Gas	34	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional compressor station VOC emissions from stationary internal combustion engines with lean burn technology. Additional control for RACT is not technologically or economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN104377692	JHA004D	Energy Transfer Fuel LP- Cleburne Compressor Station	Johnson	4922	Natural Gas Transmission	33	§115.110 – §115.119 §115.211 – §115.219	Additional compressor station VOC emissions from internal combustion engines already equipped with oxidative catalyst or lean burn technology. Additional control for RACT is not technologically or economically feasible.
RN100223312	JH0230L	Brazos Electric Power Cooperative	Johnson	4911	Electric Services	31	§115.110 – § 115.119	VOC emissions from natural gas combustion. Additional control for RACT is not economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN104283635	JHA001A	Texas Midstream Gas Services LLC- Cleburne Compressor Station	Johnson	1311	Crude Petroleum and Natural Gas	25	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	The majority of the remaining emissions are from natural gas combustion. Additional control for RACT is not economically feasible.
RN105302186	JHA036J	EOG Resources Inc.-Kari Compressor Site	Johnson	1311	Crude Petroleum and Natural Gas	24	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	The majority of the remaining emissions are from natural gas combustion. Additional control for RACT is not economically feasible.
RN105137475	JHA034H	EOG Resources Inc.-Carrell Compressor Site	Johnson	1311	Crude Petroleum and Natural Gas	22.8	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC emissions from combustion sources. Additional control for RACT is not economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN105247126	JHA029C	EOG Resources Inc.-Ezell Compressor Site	Johnson	1311	Crude Petroleum and Natural Gas	22.5	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC emissions from combustion sources. Additional control for RACT is not economically feasible.
RN104995089	JHA032F	EOG Resources Inc.-Big Daddy Compressor Site	Johnson	1311	Crude Petroleum and Natural Gas	22	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC emissions from combustion sources. Additional control for RACT is not technologically or economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN105068001	JHA020T	Peregrine Pipeline Co. LP	Johnson	1311	Crude Petroleum and Natural Gas	22	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219 §115.234 – §115.239	Additional VOC emissions from combustion sources already equipped with oxidative catalyst or lean burn technology. Additional VOC control for RACT not technologically or economically feasible.
RN100218783	KB0015U	Oldcastle Building Envelope Inc.	Kaufman	3354	Aluminum Extruded Products	73	§115.450 – §115.459	
RN100213420	KB0176S	FPLE Forney LP	Kaufman	4911	Electric Services	45	NA	Most VOC emissions from combustion sources. Additional VOC control for RACT is not technologically or economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN102324142	KB0073G	Madix Inc.	Kaufman	2542	Partition and Fixtures Except Wood	25	§115.450 – §115.459	
RN105072516	PCA020T	Crosstex North Texas Gathering LP- Kemp Compressor Station	Parker	4922	Natural Gas Transmission	67	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC emissions from combustion sources. Additional VOC control for RACT not technologically or economically feasible.
RN104891825	PCA006F	Crosstex CCNG Processing LTD-Goforth Processing Plant	Parker	4922	Natural Gas Transmission	56	§115.110 – §115.119 §115.120 – §115.129 §115.211 -- §115.219 §115.352 – §115.359	Additional VOC control for RACT not technologically or economically feasible.
RN105010797	PCA008H	Barnett Gathering LP- West Walsh Compressor Station	Parker	1311	Crude Petroleum and Natural Gas	44	§115.110 – §115.119 §115.120 – §115.129 §115.211 -- §115.219	Additional VOC control for RACT not technologically or economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN105225734	PCA032F	Crosstex North Texas Gathering LP- White Settlement Compressor Station	Parker	4922	Natural Gas Transmission	40	§115.110 – §115.119 §115.120 – §115.129 §115.211 -- §115.219	Additional VOC control for RACT is not technologically or economically feasible.
RN106253180	PCA050X	Aruba Petroleum Inc.	Parker	1311	Crude Petroleum and Natural Gas	25	§115.110 – §115.119 §115.131 – §115.139 §115.211 – §115.219 §115.234 – §115.239	
RN102183449	PC0011B	Magellan Pipeline Terminals LP	Parker	4613	Refined Petroleum Pipelines	24	§115.110 – §115.119 §115.131 – §115.139 §115.211 – §115.219	
RN102764792	PC0003A	Antelope Oil and Tool Manufacturing Company	Parker	3499	Fabricated Metal Products, NEC	21.6	§115.450 – §115.459	
RN100809847	TAA004D	Marco Display Specialists GP LC	Tarrant	2449	Wood Containers, NEC	59	§115.420 – §115.429	
RN102505963	TA01571	General Motors Corp.	Tarrant	3711	Motor Vehicles and Car Bodies	557.3	§115.110 – §115.119 §115.450 – §115.459	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100212356	TA0156K	Lockheed Martin Corporation	Tarrant	3721	Aircraft	54	§115.110 – §115.119 §115.120 – §115.129 §115.131 – §115.139 §115.211 – §115.219 §115.234 – §115.239 §115.412 – §115.419 §115.420 – §115.429	
RN102216819	TA0051C	Bell Helicopter Textron Inc.	Tarrant	3721	Aircraft	50.3	§115.110 – §115.119 §115.120 – §115.129 §115.412 – §115.419 §115.420 – §115.429	
RN105241665	TAA037K	Barnett Gathering LP-Midpoint Compressor Station	Tarrant	1311	Crude Petroleum and Natural Gas	43.6	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC control for RACT is not technologically or economically feasible.
RN100219344	TA0172M	Fort Dearborn Co.	Tarrant	2752	Commercial Printing Lithograph	43	§115.440 – §115.449	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN102939626	TAA008H	Crosstex North Texas Gathering LP- Jarvis Compressor Station and Treating Plant	Tarrant	1311	Crude Petroleum and Natural Gas	41	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC control for RACT is not technologically or economically feasible.
RN100222488	TA0054T	Bell Helicopter Textron Inc.	Tarrant	3721	Aircraft	39.4	§115.110 – §115.119 §115.120 – §115.129 §115.131 – §115.139 §115.412 – §115.419 §115.420 – §115.429 §115.450 – §115.459	
RN105010714	TAA021U	Barnett Gathering LP- Rendon Compressor Station	Tarrant	1311	Crude Petroleum and Natural Gas	39.2	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC control for RACT is not technologically or economically feasible.
RN104475157	TAA013M	Barnett Gathering LP- Risinger Compressor Station	Tarrant	1311	Crude Petroleum and Natural Gas	37.2	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC control for RACT is not technologically or economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN101649317	TA0102K	Magellan Pipeline Terminals LP- Magellan Southlake Terminal	Tarrant	4613	Refined Petroleum Pipelines	36	§115.110 – §115.119 §115.211 – §115.219 §115.234 – §115.239	
RN105064356	TAA023W	Energy Transfer Fuel LP- Cantwell Compressor Station	Tarrant	1311	Crude Petroleum and Natural Gas	35	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	
RN105304521	TAA0351I	Barnett Gathering LP- Cotton Cove Plant	Tarrant	1311	Crude Petroleum and Natural Gas	34.7	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC emissions from stationary internal combustion engines already equipped with oxidative catalyst or lean burn technology. Additional VOC control for RACT is not technologically or economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100225440	TA0236L	Ball Metal Beverage Container Corp.	Tarrant	3411	Metal Cans	34.55	§115.420 – §115.429	
RN102572682	TA0685B	Film Pak Inc.	Tarrant	3089	Plastics Products, NEC	32.4	§115.430 – §115.439	
RN104787478	TAA014N	Barnett Gathering LP-TRWD Plant	Tarrant	1311	Crude Petroleum and Natural Gas	32.1	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC emissions from stationary internal combustion engines already equipped with lean burn technology. Additional VOC control for RACT is not technologically or economically feasible.
RN102496684	TA1222P	Flint Hills Resources Corpus Christi LLC	Tarrant	5171	Petroleum Bulk Stations and Terminals	31.4	§115.110 – §115.119 §115.211 – §115.219 §115.234 – §115.239	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN105227763	TAA024X	Cowtown Pipeline Partners LP	Tarrant	1311	Crude Petroleum and Natural Gas	30.5	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC emissions from stationary internal combustion engines already equipped with oxidative catalyst or lean burn technology. Additional VOC control for RACT is not technologically or economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN104475165	TAA038L	Barnett Gathering LP- West Lake Compressor Station	Tarrant	1311	Crude Petroleum and Natural Gas	29.7	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC emissions from stationary internal combustion engines already equipped with oxidative catalyst or lean burn technology. Additional VOC control for RACT is not technologically or economically feasible.

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN104761663	TAA019S	Texas Midstream Gas Services LLC- Parrot Compression Facility	Tarrant	1311	Crude Petroleum and Natural Gas	29.7	§115.110 – §115.119 §115.120 – §115.129 §115.211 – §115.219	Additional VOC emissions from stationary internal combustion engines already equipped with oxidative catalyst or lean burn technology. Additional VOC control for RACT is not technologically or economically feasible.
RN100211291	TA0282E	Printpack Inc.	Tarrant	2671	Paper Coated and Laminated Packaging	29	§115.412 – §115.419 §115.420 – §115.429 §115.430 – §115.439 §115.450 – §115.459	
RN100236041	TA0274D	Insight Equity Acquisition Partners LP	Tarrant	5171	Petroleum Bulk Stations and Terminals	29	§115.110 – §115.119 §115.211 – §115.219 §115.234 – §115.239	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN102560067	TA0508B	Nustar Logistics LP	Tarrant	5171	Petroleum Bulk Stations and Terminals	27	§115.110 – §115.119 §115.211 – §115.219 §115.131 – §115.139 §115.234 – §115.239	
RN102096377	TA0175G	Chevron Products Co.	Tarrant	5171	Petroleum Bulk Stations and Terminals	26.8	§115.110 – §115.119 §115.131 – §115.139 §115.211 – §115.219 §115.234 – §115.239 §115.412 – §115.419	
RN103214136	TAA001A	Earthgrains Baking Companies Inc.	Tarrant	2051	Bread, Cake, and Related Products	26	§115.120 – §115.129	
RN100216548	TA0345F	Motiva Enterprises LLC- Fort Worth Terminal	Tarrant	5171	Petroleum Bulk Stations and Terminals	24	§115.110 – §115.119 §115.211 – §115.219 §115.234 – §115.239	
RN100221829	TA2554D	Sealed Air Corporation	Tarrant	3086	Plastics, Foam Products	22	§115.120 – §115.129	
RN102336906	TA0353G	ExTex LaPorte LP	Tarrant	4911	Electric Services	22	§115.110 – §115.119	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN102566890	TA0106C	Styrochem Canada LTD	Tarrant	2821	Plastics Materials and Synthetic Resins	21.5	§115.120 – §115.129 §115.352 – §115.359	Batch processes present. Controlled beyond batch process RACT level by permit conditions.
RN102418563	TA0285V	Trinity Industries Inc.- Railcar Repair Division Plant No. 25	Tarrant	4789	Transportation Services, NEC	18	§115.450 – §115.459	
RN102336039	TA0964R	City of Arlington	Tarrant	4953	Refuse Systems	14	§115.152 – §115.159	
RN100225804	TA0499A	Trinity Industries Inc.- Railcar Plant 192	Tarrant	3743	Railroad Equipment	13.5	§115.450 – §115.459	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN102649399	TA0235N	Miller Coors LLC	Tarrant	2082	Malt Beverages	129.5	§115.110 – §115.119 §115.120 – §115.129	Vent gas streams meet applicable exemptions in §§115.127. 75% of VOC emissions are fugitive emissions from product loss. Additional control for RACT is not technologically or economically feasible.
RN100225739	TA0034C	Explorer Pipeline Co.	Tarrant	4613	Refined Petroleum Pipelines	10.9	§115.120 – §115.129	
RN100225226	TA0539N	Trinity Industries Inc.- Plant 26	Tarrant	3743	Railroad Equipment	1	§115.450 – §115.459	

Table F-7: State Rules Addressing VOC RACT Requirements for Major Emission Sources in Wise County

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100212539	WN0217K	Devon Gas Services LP-East Rhome Compressor Station	Wise	1311	Crude Petroleum and Natural Gas	81.7	§115.110-§115.119 §115.120-§115.129 §115.131-§115.139 §115.211-§115.219 §115.234-§115.239 Rule Project No. 2013-048-115-AI	
RN100223619	WN0021G	Devon Gas Services LP-Bridgeport Gas Plant	Wise	1321	Natural Gas Liquids	262.2	§115.110-§115.119 §115.120-§115.129 §115.211-§115.219 §115.234-§115.239 §115.352-§115.359 Rule Project No. 2013-048-115-AI	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100238716	WN0005E	Targa North Texas LP-Dynegy Chico Gas Plant	Wise	1321	Natural Gas Liquids	65.6	§115.110-§115.119 §115.120-§115.129 §115.131-§115.139 §115.211-§115.219 §115.234-§115.239 §115.352-§115.359 Rule Project No. 2013-048-115-AI	
RN101330959	WN0231Q	Devon Gas Services LP-Lateral A Compressor Station	Wise	1311	Crude Petroleum and Natural Gas	58.1	§115.110-§115.119 §115.211-§115.219 §115.234-§115.239 Rule Project No. 2013-048-115-AI	
RN102552452	WN0183C	Targa North Texas LP-Sitz Compressor Station	Wise	1311	Crude Petroleum and Natural Gas	65.6	§115.110-§115.119 §115.120-§115.129 §115.211-§115.219 §115.234-§115.239 Rule Project No. 2013-048-115-AI	

RN	Account	Company	County	SIC	SIC Description	2011 Actual tpy	Rules Addressing RACT	Notes
RN100209808	WN0059E	Devon Gas Services LP-McAlister Compressor Station	Wise	1311	Crude Petroleum and Natural Gas	59.9	§115.110-§115.119 §115.211-§115.219 §115.234-§115.239 Rule Project No. 2013-048-115-AI	Emissions from 2012 EI; company did not report emissions in the 2011 EI.