



THE SIP FILES ON THIS PAGE ARE HOSTED BY THE [TEXAS RECORDS AND INFORMATION LOCATOR \(TRAIL\) WEB ARCHIVE](#). IF YOU NEED ASSISTANCE WITH A FILE, PLEASE CONTACT [SIPRULES@TCEQ.TEXAS.GOV](mailto:SIPRULES@TCEQ.TEXAS.GOV).

# SIP Revision: 2008 Eight-Hour Ozone Reasonable Further Progress (RFP), Dallas-Fort Worth (DFW), June 3, 2015

**On June 3, 2015, the Texas Commission on Environmental Quality (TCEQ) adopted an RFP State Implementation Plan (SIP) revision for the DFW moderate nonattainment area under the 2008 eight-hour ozone National Ambient Air Quality Standard (NAAQS).**

## Summary of the SIP Revision

**Adoption Date:** 06/03/2015

**Proposal Date:** 12/10/2014

**EPA Approval Date:** 12/07/2016 ([81 FR 88124](#))

**Background:** The Federal Clean Air Act (FCAA) requires states to submit plans that demonstrate progress in reducing emissions for areas that are not attaining the NAAQS within their jurisdictions. On March 12, 2008, the United States Environmental Protection Agency (EPA) strengthened the eight-hour ozone standard from 0.08 parts per million (ppm) to 0.075 ppm. Under the 0.075 ppm (75 parts per billion) standard, the EPA designated Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise Counties as nonattainment with a moderate classification, effective July 20, 2012. These counties form the DFW 2008 eight-hour ozone standard moderate nonattainment area. The attainment date for the DFW moderate nonattainment area was established in the EPA's implementation rule for the 2008 ozone NAAQS published in the *Federal Register* (FR) on May 21, 2012 ([77 FR 30160](#)) and was set as December 31, 2018. To fulfill FCAA requirements for moderate ozone nonattainment areas, the state is required to submit an RFP plan demonstrating that the DFW nonattainment area will reduce emissions of ozone precursors (volatile organic compounds [VOC] and nitrogen oxides [NO<sub>x</sub>]) consistent with moderate nonattainment area requirements. The DFW RFP SIP revision provides analyses of incremental reductions in NO<sub>x</sub> and VOC from a 2011 base year out to the attainment year for the 2008 eight-hour ozone standard.

On December 23, 2014, the D.C. Circuit Court ruled on a lawsuit that modified the attainment date from December 31, 2018 to July 20, 2018. In addition, because the attainment year ozone season is the ozone season immediately preceding a nonattainment area's attainment date, the attainment year for the DFW moderate nonattainment area changed from 2018 to 2017. In order to address the change in the attainment year, the adopted SIP revision provides a required RFP analysis for the 2017 attainment year, including a contingency plan and a motor vehicle emissions budget (MVEB). This SIP revision also demonstrates an 18% emissions reduction in ozone precursors from the 2011 base year through a 2018 attainment year, a 3% emissions reduction demonstration for contingency for each milestone year, and an updated RFP MVEB for each milestone year, in the event that the 2018 attainment year requirement is reinstated.



## Key Changes:

This SIP revision included:

- An RFP analysis for both the originally proposed 2018 attainment year and the revised 2017 attainment year;
- Updated 2011 base year emissions inventories for point, area, non-road mobile, and on-road mobile sources;
- An MVEB for the revised 2017 attainment year as well as the originally proposed 2018 attainment year and 2017 milestone year; and
- A contingency plan.

## SIP Narrative and Appendices

Files linked from this page are in Portable Document Format ([PDF](#)).

### DFW RFP SIP Revision (Non-Rule Project No. 2013-014-SIP-NR)

- **Adopted DFW RFP SIP Revision**
- Appendices
  - **Appendix 1: Reasonable Further Progress Demonstration Spreadsheet**
  - **Appendix 2: Development of Reasonable Further Progress Point Source Emissions Inventories for the Dallas-Fort Worth Nonattainment Area**
  - **Appendix 3: Projection Factors for Point and Area Sources**
  - **Appendix 4: Characterization of Oil and Gas Production Equipment and Develop a Methodology to Estimate Statewide Emissions and Specified Oil and Gas Well Activities Emissions Inventory Update**
  - **Appendix 5: Condensate Tank Oil and Gas Activities**
  - **Appendix 6: Forecasting Oil and Gas Activities**
  - **Appendix 7: 2011 Texas Railroad Emission Inventory Report**
  - **Appendix 8: Development of Texas Statewide Drilling Rigs Emission Inventories for the Years 1990, 1993, 1996, and 1999 through 2040**
  - **Appendix 9: Development of Annual Emissions Inventories and Activity Data for Airports in the 12-County Dallas-Fort Worth Area and Development of Statewide Annual Emissions Inventories and Activity Data for Airports**
  - **Appendix 10: On-road RFP Emissions Inventories for the Years 2011, 2017, 2018, and 2019**
  - **Appendix 11: Technical Supplement to the December 10, 2014 Proposal of the Dallas-Fort Worth Reasonable Further Progress State Implementation Plan Revision for the 2008 Eight-Hour Ozone Standard Nonattainment Area**

### April 22, 2016 Technical Supplement

The 2017 Wise County RFP demonstration in the adopted DFW RFP SIP revision used a transfer of excess VOC reductions from the nine-county area previously designated as nonattainment to the newly designated Wise County. Upon notification that the option to transfer creditable VOC reductions between county groups was no longer available per the EPA's final 2008 Ozone Standard SIP Requirements Rule ([80 FR 12264](#)), the TCEQ corrected the adopted DFW RFP



analyses to remove the VOC reduction transfer and credit emission reductions from drilling rig controls that were available but had not been credited. The corrections were submitted to the EPA in an April 22, 2016 technical supplement.

- **April 22, 2016 Technical Supplement to the DFW 2008 Eight-Hour Ozone RFP SIP Revision**
- Attachments
  - **Attachment 1: Reasonable Further Progress Demonstration Spreadsheet as Adopted by the Commission on June 3, 2015**
  - **Attachment 2: Corrected Reasonable Further Progress Demonstration Spreadsheet**