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# SIP Revision: Ozone Attainment Demonstration, Dallas-Fort Worth (DFW), September 21, 1994

**On September 21, 1994, the Texas Natural Resource Conservation Commission (TNRCC) adopted an attainment demonstration (AD) State Implementation Plan (SIP) revision to address ozone nonattainment in the DFW area.**

## Summary of the SIP Revision

**Adoption Date:** 09/21/1994

**EPA Approval Date:** Conditional approval of the nitrogen oxide (NO<sub>x</sub>) exemption petitions on 11/28/1994 (59 FR 60709), pending the approval of the modeling portion of the SIP revision.

**Background:** Under the 1990 Federal Clean Air Act (FCAA) amendments, states were required to submit attainment demonstrations for ozone nonattainment areas classified as moderate no later than November 15, 1993. These plans were required to include modeling that showed that the areas would attain the standard by 1996 with the reductions accounted for in the area's 15% rate of progress (ROP) plan and any other controls needed to attain the standard. Moderate areas that opted to use Urban Airshed Modeling (UAM) were allowed an extra year to submit the attainment demonstration.

**Key Changes:** The UAM for the DFW area showed that the DFW area could attain the ozone standard by 1996 with about 80% of the volatile organic compound (VOC) emissions reductions included in the area's 15% ROP plan. Modeled controls included:

- Reasonably available control technology (RACT) catch-ups for Collin and Denton Counties;
- Stage II vapor recovery;
- Tier I controls from the Federal Motor Vehicle Control Program (FMVCP);
- A basic inspection and maintenance (I/M) program;
- Closure of the Carswell Air Force Base fire training pit;
- Rule effectiveness improvements;
- Transportation control measures (TCM);
- Small gasoline utility engine standards; and
- Reformulated gasoline for on-road vehicles.

Since these controls were sufficient to demonstrate attainment, additional controls included in the area's 15% ROP plan were not modeled. Since the modeling indicated that the area could attain the standard without implementing NO<sub>x</sub> controls, the TNRCC petitioned the United States Environmental Protection Agency (EPA) to exempt the DFW area from NO<sub>x</sub> RACT and NO<sub>x</sub> conformity requirements.



## SIP Narrative and Appendices

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

### DFW Ozone Attainment Demonstration SIP Revision

- **DFW Attainment Demonstration SIP Revision**
- Appendices
  - Appendix 9-b-1: Dallas/Ft. Worth Ozone Nonattainment Area Base Case Report: Modeling Domain/Episode Selection/ Meteorology/Air Quality (April 1994) (Not Available)
  - Appendix 9-b-2: Dallas/Ft. Worth Ozone Nonattainment Area Base Case Emissions Report (April 1994) (Not Available)
  - Appendix 9-b-3: Dallas/Fort Worth Ozone Nonattainment Area Base Case Report - Performance Evaluation (Not Available)
  - Appendix 9-b-4: 1996 Dallas/Fort Worth Ozone Attainment Modeling Report (Not Available)
  - Appendix 9-b-5: Petition for Section 182.(f) Exemption from NO<sub>x</sub> RACT Requirements for the Dallas/Fort Worth Ozone Nonattainment Area (Not Available)