



# SIP Revision: Austin, San Antonio, and Northeast Texas, Early Action Compact, November 17, 2004

On November 17, 2004, the commission adopted revisions to the State Implementation Plan (SIP) for the Austin, San Antonio, and Northeast Texas Early Action Compact (EAC) area and Chapters 114 and 115 of Title 30 of the Texas Administrative Code (TAC).

## Summary of the SIP Revision

**Adoption Date:** 11/17/2004

**Proposal Date:** 07/14/2004

**EPA Approval Date:** Austin 08/19/2005 (70 FR 48640); [Exit...](#) Northeast Texas 08/19/2005 (70 FR 48642); [Exit...](#) and San Antonio 08/22/2005 (70 FR 48877) [Exit...](#)

**Background:** In December 2002, the United States Environmental Protection Agency (EPA) implemented the [EAC program](#) [Exit...](#) that allowed three near-nonattainment areas in Texas to defer formal nonattainment designation under the eight-hour ozone standard if the state adopted and successfully implemented plans for those areas to ensure that those areas attained the standard by June 15, 2007. Areas that were eligible for this program included areas that had not previously been designated nonattainment under the one-hour ozone standard, but had been designated nonattainment under subpart 1 of the Federal Clean Air Act for the 1997 eight-hour ozone standard, and areas that were monitoring ozone levels that were high enough that they risked nonattainment designation by 2007.

On November 17, 2004, the commission adopted revisions including EAC attainment demonstrations for Austin, San Antonio, and Northeast Texas, and, at the request of the Austin and San Antonio areas, rule changes to 30 TAC Chapters 114 and 115. The EPA approved the Austin area plan (70 FR 48640) [Exit...](#) and Northeast Texas area plan (70 FR 48642) [Exit...](#) on August 19, 2005. The EPA issued final approval to extend the deferral of the effective date of air quality designations for the San Antonio area on August 22, 2005 (70 FR 48877) [Exit...](#).

On April 2, 2008 (73 FR 17897) [Exit...](#) the EPA issued final action to designate the San Antonio area attainment for the eight-hour ozone standard, as they met all milestones of the EAC program and demonstrated attainment of the 1997 eight-hour ozone standard by December 31, 2007.

The EAC program concluded in the spring of 2008.

## Key Changes:

This section provides a brief summary of the changes associated with each SIP revision and rule change.

- **Austin EAC SIP Revision:** The adopted revision to the SIP consists of an 8-hour ozone attainment demonstration for the area based on the local plan submitted to TCEQ by the area in March 2004, under its EAC. This revision contains results of photochemical modeling and technical documentation in support of the attainment demonstration. As a result of these analyses, and at the request of the Austin-area local governments, the revision includes rule revisions implementing a vehicle inspection and maintenance (I/M) program in Travis and Williamson counties, a new rule allowing jurisdictions to enforce heavy duty diesel idling restrictions within their boundaries through an enforcement agreement with TCEQ, and for all



five counties revisions to the VOC rules for degreasing, Stage 1 vapor recovery, and cutback-asphalt use.

- **San Antonio EAC SIP Revision:** The adopted revision to the SIP consists of an eight-hour ozone attainment demonstration for the area based on the local plan submitted to TCEQ by the area in March 2004, under its EAC. This revision contains results of photochemical modeling and technical documentation in support of the attainment demonstration. As a result of these analyses, and at the request of the San Antonio local governments, the revision includes, for all four counties, revisions to the VOC rules for degreasing and Stage 1 vapor recovery.
- **Northeast Texas EAC SIP Revision:** The adopted revision to the SIP consists of an 8-hour ozone attainment demonstration for the area based on the local plan submitted to TCEQ by the area in March 2004, under its EAC. This revision contains results of photochemical modeling and technical documentation in support of the attainment demonstration.

## SIP Narratives and Appendices

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

### **Austin EAC Attainment Demonstration SIP Revision (Project No. 2004-086-SIP-NR)**

**Adoption Date:** 11/17/2004

- [Austin EAC Attainment Demonstration SIP Revision Narrative](#)
- [Response to Comments](#)
- [Appendices](#)
  - [Appendix A: Central Texas Early Action Compact \(EAC\) Agreement](#)
  - [Appendix B: Details of Local Public Outreach](#)
  - [Appendix C: Public Comments from Local Process](#)
  - [Appendix D: 1999 Base Case EI Development](#)
  - [Appendix E: 2007 Future Base Case EI Development](#)
  - [Appendix F: On-road Mobile Source Emission Inventory Development \(TTI Report\)](#)
  - [Appendix G: Conceptual Model for AER](#)
  - [Appendix H: 1999 Base Case Modeling and Performance Evaluation](#)
  - [Appendix I: 2007 Future Base Case Modeling and RRF Analysis](#)
  - [Appendix J: Supplemental Control Strategies Modeling](#)
  - [Appendix K: AER Locally Implemented Measures](#)
  - [Appendix L: TERMS Documentation](#)
  - [Appendix M: EI Comparison and Trend Analysis for the AER: 1999–2012](#)
  - [Appendix N: VMT Screen Maintenance Analysis](#)
  - [Appendix O: Attainment Maintenance Analysis](#)

### **San Antonio EAC Attainment Demonstration SIP Revision (Project No. 2004-085-SIP-NR)**

- [San Antonio EAC Attainment Demonstration SIP Revision Narrative](#)



- Response to Comments
- Appendices
  - Appendix A: Conceptual Model and Episode Selection for the SAER
  - Appendix B: Development of the Meteorological Model
  - Appendix C: On-road Mobile Emissions Inventory Development (TTI Report)
  - Appendix D: 1999 Base Case Modeling Emissions Inventory Development
  - Appendix E: 1999 Base Case Development and Performance Analyses
  - Appendix F: 2007 Future Base Modeling Emissions Inventory Development
  - Appendix G: 2007 Base Case and Sensitivity Analyses
  - Appendix H: Modeled Attainment Test
  - Appendix I: Clean Air Strategy Development
  - Appendix J: Modeling Protocol
  - Appendix K: Additional Evidence
  - Appendix L: Maintenance for Growth
  - Appendix M: Impact of Transport
  - Appendix N: Resolutions from Early Action Compact Signatory Local Governments in Support of the Proposed Local Revisions to the State Implementation Plan and the Local Clean Air Strategies

**Northeast Texas EAC Attainment Demonstration SIP Revision (Project No. 2004-077-SIP-NR)**

- Northeast Texas EAC Attainment Demonstration SIP Revision Narrative
- Response to Comments
- Appendices
  - Appendix A: Clean Air Action Plan for Northeast Texas
  - Appendix B: Modeling Protocol—Ozone Modeling for Northeast Texas Early Action Compact
  - Appendix C: Tyler/Longview/Marshall Flexible Attainment Region Emissions Inventory, Ozone Precursors, VOC, NO<sub>x</sub>, and CO, 1999 Emissions
  - Appendix D: Northeast Texas Region On-Road Mobile Source Modeling Emissions Inventory: 1995, 1999, 2002, 2005, 2007, and 2012
  - Appendix E: Modeling an August 1999 Ozone Episode in Northeast Texas
  - Appendix F: Conceptual Model of Ozone Formation in the Tyler/Longview/Marshall Near Nonattainment Area
  - Appendix G: Analysis of Emission Reduction Control Measures for Attaining the Eight-Hour Ozone NAAQS in the Tyler/Longview/Marshall Near Nonattainment Area
  - Appendix H: Updates to Off-Road Mobile Emissions for East Texas
  - Appendix I: Ozone Modeling for Northeast Texas Early Action Compact, Part 1
  - Appendix I: Part 2



## Associated Rules

### Heavy-Duty Vehicle Idling

The adopted rulemaking would allow local governmental entities to enforce restrictions on heavy-duty diesel idling within their jurisdictions if they sign an enforcement agreement with TCEQ.

- [Project No. 2004-072-114-AI \(Adopted\)](#)
- [Project No. 2004-072-114-AI \(Proposed\)](#)

### Vehicle Inspection/Maintenance (I/M)

The adopted rulemaking would require all 2–24-year-old gasoline vehicles in Travis and Williamson Counties to undergo an annual emissions inspection test along with the current annual safety inspection. The program would be similar to the I/M program currently operated in other areas of the state.

- [Project No. 2004-071-114-AI \(Adopted\)](#)
- [Project No. 2004-071-114-AI \(Proposed\)](#)

### VOC Measures

The adopted rulemaking would revise 30 TAC Chapter 115, Subchapters C, E and F, to implement VOC controls on degreasing units, require the use of Stage 1 Vapor Recovery equipment in gasoline stations with more than 25,000 gallons per month of throughput, and prohibit the seasonal use of cutback asphalt. Degreasing and Stage 1 Vapor recovery changes will be applicable to the five Austin-area counties and the four San Antonio EAC counties, while cutback asphalt restrictions will only be applicable in the Austin area.

- [Project No. 2004-073-115-AI \(Adopted\)](#)
- [Project No. 2004-073-115-AI \(Proposed\)](#)

## Contact Information

For additional information, please direct your inquiries to the appropriate person.

### Vehicle Inspection and Maintenance (I/M)

Edgar Gilmore  
512-239-2069

### Heavy-Duty Diesel Idling Opt-in

Michael Regan  
512-239-2988