



# SIP Revisions: El Paso, PM<sub>10</sub> Attainment Demonstration, November 1991, and PM<sub>10</sub> Revised Memorandum of Agreement (MOA) SIP Revision, El Paso, January 25, 2012

## Summary of the November 1991 El Paso PM<sub>10</sub> Attainment Demonstration SIP Revision

In November 1991, the Texas Air Control Board (TACB) adopted an attainment demonstration State Implementation Plan (SIP) revision for the El Paso particulate matter of 10 microns or less (PM<sub>10</sub>) moderate nonattainment area.

**Adoption Date:** 11/5/1991

**EPA Action:** Approved on 01/18/1994 ([59 FR 02532](#))

**Background:** For any area designated nonattainment for the particulate matter (PM) National Ambient Air Quality Standard (NAAQS) prior to the 1990 Federal Clean Air Act (CAA) amendments and classified as moderate after the 1990 CAA amendments, states were required to submit plans that could demonstrate attainment of the PM NAAQS by December 31, 1994. In November 1991, the TACB, adopted a PM<sub>10</sub> attainment demonstration for El Paso.

**Key Changes:** This SIP revision included air quality and meteorological analyses, including data from a special December 1990 study that demonstrated the international scope of the air quality problem in El Paso. Under [Section 179B of the CAA](#), areas affected by international emissions do not have to meet a statutory attainment deadline if the state can demonstrate that it would attain the standard but for emissions emanating from outside the U.S. Modeling of U.S. emissions indicated that the El Paso nonattainment area would have attained the PM<sub>10</sub> NAAQS in 1991, and maintained it by the December 31, 1994, attainment deadline, if not for emissions transported from Mexico. Although the area modeled attainment with U.S. emissions only, fugitive dust control measures were adopted to minimize impacts from U.S. sources.

The SIP revision included an emissions inventory and PM control measures in [30 TAC §111.147](#) that required paving as a method of dust control in the El Paso area for specified roads and added a requirement that alleys be paved at a rate of 15 miles per year. Frequencies for street sweeping were also set. On November 5, 1991 a memorandum of understanding (MOU) between the City of El Paso and the TACB was signed to outline the responsibilities and regulatory requirements of both parties.

## SIP Narrative and Appendices

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

### El Paso PM<sub>10</sub> Attainment Demonstration SIP Revision

- [Adopted El Paso PM<sub>10</sub> AD SIP Revision](#)
- Appendices
  - [Appendix H: Meteorological Conditions Associated with High PM<sub>10</sub> Concentrations in El Paso](#)



- **Appendix I: Air Quality and Meteorological Analyses for the December 1990 Special Study in the El Paso–Juarez Air Basin**
- **Appendix J: Results of Annular Denuder Sampling During the December 1990 El Paso Special Study**
- **Appendix K: Area Sources**
- **Appendix L: On-Road Mobile Sources**
- **Appendix M: Replacement Values for Missing Meteorological Data**
- **Appendix N: Evaluation of Available Fugitive Dust Control Measures**
- **Appendix O: Evaluation of Available Control Measures for Residential Wood Combustion Devices**
- **Appendix P: Evaluation of Reasonable Available Control Technology / Reasonably Available Control Measures**
- **Appendix Q: Memorandum of Understanding with the City of El Paso**
  - **2001 Addendum: New Memorandum of Agreement with the City of El Paso**

## Summary of the January 25, 2012 Revised MOA SIP Revision

On January 25, 2012, the Texas Commission on Environmental Quality (TCEQ) adopted a State Implementation Plan (SIP) revision to incorporate a revised MOA with the City of El Paso into the El Paso SIP for particles with an aerodynamic diameter less than or equal to 10 micrometers (PM<sub>10</sub>).

**Adoption Date:** 01/25/2012

**Proposal Date:** 08/17/2011

**EPA Action:** Approved on 12/14/2015 ([80 FR 77253](#))

**Background:** This SIP revision incorporated changes to 30 Texas Administrative Code (TAC) §111.147 in a concurrent rulemaking ([Rule Project No. 2010-046-111-EN](#)) and a revised MOA between the City of El Paso and the TCEQ into the El Paso PM<sub>10</sub> SIP ([Project No. 2011-026-MIS-NR](#)). The 2001 MOA with El Paso was revised to reflect the updated control measures in the rules.

**Key Changes:** The 30 TAC §111.147(1)(E) requirement for the City of El Paso to pave alleys at the rate of 15 miles per year was removed and replaced with the following new requirements:

1. all new alleys shall be paved;
2. unpaved alleys may not be used for residential garbage and recycling collection; and
3. reclaimed asphalt pavement (RAP) may be used as an alternate means of PM control for alleys.

The rulemaking also changed the sweeping frequency requirement in §111.147(2) from four times per year to three times per year in the city limits and from six times per week to four times per week in the central business district. The MOA with El Paso was revised to reflect these changes to the rules.

## SIP Narrative and Appendices

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**El Paso PM<sub>10</sub> Revised MOA SIP Revision (Project No. 2011-010-SIP-NR)**

- **Adopted El Paso PM<sub>10</sub> SIP Revision**
- **Appendices**
  - **Appendix R: City of El Paso Alley Information**
  - **Appendix S: Revised Memorandum of Agreement with the City of El Paso (Project No. 2011-026-MIS-NR)**
- **Related Rules**
  - **Control of Air Pollution from Visible Emissions and Particulate Matter (Rule Project No. 2010-046-111-EN)**