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SIP Revision: 1993 Rate of Progress (ROP) for Dallas-Fort Worth (DFW), Beaumont-Port Arthur (BPA), El Paso, and Houston-Galveston (HGA) Ozone Nonattainment Areas (Phase I), November 10, 1993

On November 10, 1993, the Texas Natural Resource Conservation Commission (TNRCC) adopted Phase I of an ROP State Implementation Plan (SIP) revision for the DFW, BPA, El Paso, and HGA areas.

Summary of the SIP Revision

Adoption Date: 11/10/1993

Background: Under the 1990 Federal Clean Air Act (FCAA) amendments, states were required to submit plans for ozone nonattainment areas classified as moderate and higher that would demonstrate volatile organic compounds (VOC) reductions of at least 15% by 1996, based on each area's 1990 base year emissions inventory (EI). On November 10, 1993, the TNRCC adopted a SIP revision to address this requirement. While there were five areas in Texas designated nonattainment for ozone, this plan only applied to those areas classified as moderate or higher, which included the BPA, DFW, El Paso, and HGA areas. The ROP plan was required to estimate the 1996 emissions of VOC and adopt any control measures needed to achieve the required 15% VOC emissions reductions by November 15, 1996. The 15% ROP plan was also required to include contingency measures that would achieve an additional 3% reduction in emissions and that could be implemented without further rulemaking if the state's plan fell short of achieving its projected emissions reductions.

Key Changes:

This SIP revision contained the following controls:

- An extension of the most stringent controls on stationary VOC sources in any of the state's nonattainment areas to all other nonattainment areas;
- New rules for Control Technique Guidelines (CTG);
- New Source Review (NSR) permitting requirements;
- National Emission Standards for Hazardous Air Pollutants (NESHAPS);
- Pollution prevention requirements for source reduction and waste minimization;
- Controls on treatment, storage, and disposal facilities;
- New Source Performance Standards (NSPS);
- Mobile source controls;
- Economic incentive programs; and



- Operating permit programs.

The ROP SIP was divided into two phases, with this SIP constituting the first phase. Phase I rules were less controversial and each rule would account for at least 2% of the required emissions reductions for the nonattainment area. Point source Phase I rules included controls on Synthetic Organic Chemical Manufacturing Industry (SOCMI) reactor processes and distillation operations, and non-marine vessel loading in all areas. Other Phase I controls varied by nonattainment area included:

- Fugitive emissions from natural gas plants, refineries, and SOCMI (Phase I for HGA, BPA, and El Paso; Phase II for DFW);
- Offset lithographic printing (Phase I for El Paso; Phase II for HGA, DFW, and BPA);
- Marine and other vessel cleaning (Phase I for BPA and HGA; Phase II for DFW and El Paso);
- Municipal landfills (Phase I for DFW; Phase II for HGA, BPA, and El Paso); and
- Auto body shops (Phase I for HGA, DFW, and El Paso; Phase II for BPA).

The TNRCC adopted Phase II of the 15% ROP plan on May 13, 1994, and updated the 15% plan on July 24, 1996.

SIP Narrative and Appendices

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1993 ROP for DFW, BPA, El Paso, and HGA Nonattainment Areas SIP Revision

- [ROP SIP Revision](#)