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SIP Revision: Houston-Galveston-Brazoria, Dallas-Fort Worth, Beaumont-Port Arthur, and El Paso, One-Hour Ozone SUPER SIP, July 24, 1996

On July 24, 1996, the commission adopted a revision to the Texas State Implementation Plan (SIP) known as the SUPER SIP because it included changes to numerous portions of the Texas SIP for the Houston-Galveston-Brazoria (HGB), Dallas-Fort Worth (DFW), Beaumont-Port Arthur (BPA), and El Paso (ELP) one-hour ozone nonattainment areas.

Summary of the SIP Revision

Adoption Date: 07/24/1996

Proposal Date: 03/27/1996

EPA Approval Dates: 02/10/1998 for BPA ([63 FR 6691](#)); 11/10/1998 for DFW, ELP, and HGB ([63 FR 62943](#)).

Background: The revised 1990 base year emissions inventory (EI) included changes in area source and non-road mobile source categories as a result of the Coastal Oxidant Assessment for Southeast Texas (COAST) study, and was based on a bottom-up inventory development. The study used local data based on local activity patterns to model emissions, rather than using national data.

Since the base year EI was revised for each area, the state needed to update the 15% rate of progress (ROP) and the 9% Post-1996 ROP for the state's ozone nonattainment areas to reflect the new emissions baselines for each area. The plan was able to demonstrate that all four ozone nonattainment areas in the state would achieve the required 15% reductions by 1996, and that the HGB area would achieve the additional 9% required reductions by 1999.

The EPA approved the volatile organic compound (VOC) controls from the ROP SIP revision on May 22, 1997 ([62 FR 29764](#)), the removal of the Employer Trip Reduction program on September 19, 1997 ([62 FR 49152](#)), and the BPA portion of this SIP revision on February 10, 1998 ([63 FR 6691](#)). On November 10, 1998, the EPA conditionally approved the 15% ROP for the DFW, ELP, and HGB areas (contingent upon changes to the vehicle inspection and maintenance (I/M) program), and fully approved the changes to the 1990 base year emissions inventories and contingency plans for all three areas ([63 FR 62943](#)).

The HGB Post-1996 ROP plan was subsequently revised on May 6, 1998, and the revised plan was approved by the EPA on April 25, 2001 ([66 FR 20746](#)).



Key Changes:

The SUPER SIP revision contained the following:

- changes to the 15% rate of progress (ROP) demonstrations for the DFW, ELP, BPA, and HGB nonattainment areas;
- changes to the Section 818 attainment demonstration for the ELP area;
- changes to the Post-1996 ROP plans for the BPA and HGB nonattainment areas;
- analysis and demonstration that existing rules constituted reasonably available control technology (RACT);
- a commitment to submit urban airshed modeling results for the HGB area by May 1997;
- incorporation of new rules for VOC storage and the vehicle inspection and maintenance (I/M) program;
- repeal of the HGB Employer Trip Reduction program, which Congress had changed from a mandatory to an optional program for severe nonattainment areas; and
- a summary of the revised 1990 base year emissions inventory for all Texas ozone nonattainment areas.

SIP Narrative and Appendices

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

Adopted SUPER SIP Revision

- **SUPER SIP Revision**
- **Response to Comments**
- Adopted Appendices
 - Appendix 7-A: SIP Revision Victoria Ozone Nonattainment Area Commitment to Petition for Redesignation After Successful Completion of Attainment Monitoring Period
 - Appendix 7-B: Texas Air Control Board Rule Effectiveness Determination
 - Appendix 7-C: RACT Fix-Ups
 - **Appendix 7-D: RACT Catch-Ups**
 - Appendix 7-E: Discussion of Control Measure Catalog
 - Appendix 7-F: SIP Revisions for Stage II Vapor Recovery Program
 - Appendix 7-G: Summary of Reductions from Benzene National Emissions Standards for Hazardous Air Pollutants (NESHAPS)
 - Appendix 7-H: SIP Revision Rate of Progress Phase II Commitment/Contingency Measures
 - **Appendix 7-I: Formulas and Calculations of Creditable Emission Reductions**
 - Appendix 7-J: SIP Revision for DFW Ozone Nonattainment Area—Commitment to use Urban Airshed Modeling for Attainment Demonstration
 - **Appendix 7-K: Summary of Transportation Control Measures for DFW, El Paso, and Houston-Galveston Nonattainment Areas**
 - **Appendix 7-L: MOBILE5a Documentation for Mobile Source Reduction Credits (Adjusted Base Year)**



- Appendix 7-M: MOBILE5a Documentation for I/M Corrections
- Appendix 7-N: Support Documentation for Shutdown Credits
- Appendix 7-O: MOBILE5a Documentation for Mobile Source Reduction Credits (Projected)
- **Appendix 7-P: Innovative Products Listing for Consumer Products**
- Appendix 11-A: Alternate Methods of Control
- Appendix 11-B: Control Measure Catalog
- **Appendix 11-C: Creditable Reductions for Houston-Galveston**
- **Appendix 11-D: MOBILE5b Runs for Houston-Galveston**
- Appendix 11-E: UAM Modeling Reports for Beaumont—Port Arthur and Houston-Galveston
- **Appendix 11-F: Texas' Phased Attainment Demonstration**
- **Appendix 11-G Summary of Transportation Control Measures for DFW, El Paso, and Houston-Galveston Nonattainment Areas** (Note: This Appendix is the same as 7-K)
- **Appendix 11-H: RACT Catch-Ups Creditable Reductions**
- **Appendix 11-I: Evaluation of RACT**