



SIP Revision: HGB One-Hour Ozone Post 1999 ROP, October 27, 2004

Revisions to the Houston-Galveston-Brazoria (HGB) Post 1999 Rate-of-Progress (ROP) State Implementation Plan (SIP) for the one-hour ozone National Ambient Air Quality Standard (NAAQS).

Summary of the SIP Revision

Adoption Date: 10/27/2004

Proposal Date: 06/23/2004

EPA Approval Date: 02/14/2005 ([70 FR 7407](#)) [Exit...](#)

Background: The HGB Post 1999 ROP SIP revision provided updated emissions inventories, including an updated 1990 ROP base year emissions inventory, ROP analyses for milestone years 2002, 2005, and 2007, and revised motor vehicle emissions budgets for the area based on new models for estimating on-road and non-road mobile emissions sources. These emissions inventory updates ensured consistency between the ROP and attainment demonstration SIP revisions.

Key Changes: The United States Environmental Protection Agency's (EPA) MOBILE6 and NONROAD emissions factor models were used to develop the new estimates, which were altered by:

- removing Chambers, Liberty, and Waller Counties from the Inspection and Maintenance program;
- changing future point source nitrogen oxides (NO_x) estimates from a 90% point source control level to an 80% control level based on the revised attainment control strategy;
- removing reduction projections based on the Texas Low Emission Diesel (TxLED) program (the TxLED program remained a control measure even though it was excluded from ROP calculations), and
- using the new MOBILE6 emissions model to update motor vehicle activity in the HGB area.

This SIP revision replaced the previous versions of the Post 1999 Rate-of-Progress Plan that the EPA approved on November 14, 2001 ([66 FR 57160](#)) [Exit...](#).

The commission also adopted associated rule actions that included new control measures, including a statewide portable fuel container standard and the repeal of commercial lawn equipment operation restrictions.

SIP Narrative and Appendices

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

Adopted Post 1999 ROP Demonstration Plan for the HGB Nonattainment Area (Project No. 2004-049b-SIP-NR)

- [Post 1999 ROP SIP Revision Narrative](#)
- [Response to Comments](#)
- [Appendix 1: Houston-Galveston 1 Hour Ozone Nonattainment ROP Calculation Spread Sheet](#)



Texas State Implementation Plan

- Appendix 2: Houston/Galveston One-Hour Ozone Nonattainment Area Rate-of-Progress On-Road Mobile Source Emissions Revisions; Texas Transportation Institute, the Texas A&M University System; College Station, Texas
- Appendices 3, 4, and 5: Houston-Galveston Ozone Nonattainment ROP Nonroad Mobile Control/Custom/Uncontrolled Files ([Appendix available on request.](#))
- Appendix 6: Documentation of Area Source Emission Inventory Improvements
- Appendix 7: Documentation of Nonroad Mobile Emission Inventory Improvements

Associated Rules

- Portable Fuel Container
 - Rule Project No. 2004-033-115-AI, Chapter 115: Portable Fuel Container (PFC) Rule
- Commercial Lawn Service Equipment Operating Restrictions (Repealed)
 - Rule Project No. 2004-034-114-AI, Chapter 114: Lawn Service Equipment Operating Restrictions Repeal