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SIP Revision: Attainment Demonstration (AD) for the Houston-Galveston-Brazoria (HGB) Ozone Nonattainment Area (Part II), October 27, 1999

On October 27, 1999, the Texas Natural Resource Conservation Commission (TNRCC), a predecessor to the Texas Commission on Environmental Quality, adopted Part II of an AD State Implementation Plan (SIP) revision for the HGB ozone nonattainment area.

Summary of the SIP Revision

Adoption Date: 10/27/1999

Proposal Date: 06/25/1999 (Work Session)

EPA Approval Date: 11/14/2001 ([66 FR 57160](#))

Background: This SIP revision served as the required next step in the attainment demonstration planning process for the HGB ozone nonattainment area.

The revision contains the following elements:

- Air quality dispersion modeling of specific control strategies for attainment of the one-hour ozone standard in the HGB area by the attainment date of November 15, 2007.
- An analysis of seven specific modeling scenarios reflecting various combinations of federal, state, and local controls in HGB.
- Identification of the level of reductions of volatile organic compounds (VOC) and nitrogen oxides (NOx) necessary to attain the one-hour ozone standard by 2007.
- VOC and NOx motor vehicle emissions budgets necessary for approval of highway projects under transportation conformity rules.
- Identification of specific source categories which, if controlled, could result in sufficient VOC and/or NOx reductions to attain the standard.
- Commitments and schedules to submit other required elements of the attainment demonstration.

SIP Narrative and Appendices

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

HGB Attainment Demonstration SIP Revision (Project No. 1999-021-SIP-AI)

- Adopted [HGB Attainment Demonstration SIP Narrative \(Part II\)](#)
- [Evaluation of Testimony](#)
- Appendices



- **Appendix A: Additional Evaluations for the 2007 Houston AD**
- **Appendix B: Modeling for the Houston-Galveston Ozone AD**
- **Appendix C: Migration of the HGA Ozone Modeling from UAM-V to CAMx**
- **Appendix D: Effects of Revised Biogenic and Future-Year Mobile Emissions Estimates on Ozone in the Houston-Galveston Region**
- **Appendix E: Evaluation of CAMx Base Case Model Performance for the September 6–11, 1993 COAST Episode**
- **Appendix F: Scope of Services—Transportation Air Quality Technical Support**
- **Appendix G: Development of Gridded Mobile Source Emissions Estimates for the HGA Nonattainment Counties FY2000 in Support of the COAST Project. Technical Note.**
- **Appendix H: MOBILE5a-h Input and Output Mock-up Files Depicting Parameterizations Used in Emissions Modeling for FY 2007 Performed by Texas Transportation Institute in Support of the COAST Project.**
- **Appendix I: Estimation of NO_x and VOC Emission Changes in the HGA, BPA, DFW, and Central and East Texas Areas Using Survey Data.**
- **Appendix J: Cross Reference Table for Point Source Categories and Source Category Codes**
- **Appendix K: Development of COAST CAMx Initial and Boundary Conditions**
- **Appendix L: Modeling to Confirm the VOC/NO_x Directional Guidance Established for the HGA Area**
- **Appendix M: Evaluation of Control Strategies for the Houston-Galveston Area**
- **Appendix N: Voluntary Mobile Source Emission Reduction Programs**