



SIP Revision: Beaumont-Port Arthur, One-Hour Ozone Attainment Demonstration, April 19, 2000

On April 19, 2000, the commission adopted a second phase of the Beaumont-Port Arthur (BPA) attainment demonstration State Implementation Plan (SIP) revision. This SIP revision was adopted along with Phase II SIP revisions for the Dallas-Fort Worth (DFW) and Houston-Galveston-Brazoria (HGB) one-hour ozone nonattainment areas.

Summary of the SIP Revision

Adoption Date: 04/19/2000

Proposal Date: 12/16/1999

EPA Approval Date: 05/15/2001 ([66 FR 26914](#)) [Exit...](#)

Background: This SIP revision constituted "Phase II" of the BPA area's attainment demonstration—"Phase I" was adopted on October 27, 1999—and was submitted to meet a November 15, 1999, deadline ([64 FR 18864](#)) [Exit...](#) for submitting a one-hour attainment demonstration that meets the United States Environmental Protection Agency's (EPA) 1998 Transport Policy. If the state had not submitted this and the "Phase I" SIP revision, then the BPA area would have been reclassified from moderate to serious for the one-hour ozone standard because the area failed to meet the November 15, 1996, attainment deadline. The EPA's transport policy provided provisions for extending the ozone attainment deadline without reclassification for certain nonattainment areas if it could be demonstrated that attainment was hindered by ozone transport from an upwind nonattainment area. In this SIP revision, the state demonstrated that attainment in the BPA area was hindered by transport from the HGB nonattainment area. Approval of this SIP revision was withdrawn on March 3, 2004 ([69 FR 16483](#)) [Exit...](#).

Key Changes:

This BPA SIP revision to the BPA area's attainment demonstration SIP contains the following:

- adopted rules specifying nitrogen oxide (NO_x) emissions specifications in the BPA area for electric utility boilers, industrial, commercial or institutional boilers, and certain process heaters, relied upon for attainment in the BPA area;
- additional regional rules and orders relied upon for demonstrating attainment in the BPA area;
- a revised photochemical modeling demonstration and emissions growth estimates; and
- an enforceable commitment to perform a mid-course review with submittal to the EPA by May 1, 2004.

SIP Narratives and Appendices

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

BPA Attainment Demonstration SIP Revision (Project No. 1999-055-SIP-AI)

- [Adopted BPA Attainment Demonstration SIP Revision Narrative](#)
- [Response to Comments](#)



Texas State Implementation Plan

- Adopted BPA Attainment Demonstration SIP Revision Appendices
 - Appendix A: Growth of NO_x Inventory for BPA Nonattainment Area Using Banked Emissions—Modeling and Base Inventory Grown
 - Appendix B: Application of UAM-V for the Houston/Galveston/Brazoria and Beaumont/Port Arthur Nonattainment Areas for Two Multiday Ozone Episodes (no change from Oct. 1999 BPA SIP)
 - Appendix C: Attainment Demonstration for the Houston/Galveston/Brazoria Ozone Nonattainment Area, May 1998
 - Appendix D: Migration of the Beaumont–Port Arthur Ozone Modeling from UAM-V to CAMx (no change from Oct. 1999 BPA SIP)
 - Appendix E: Migration from Houston/Galveston/Brazoria Ozone Modeling from UAM-V to CAMx (same as Oct. 1999 HGB SIP App. C)
 - Appendix F: Incorporation of Emissions Improvements for the Beaumont–Port Arthur CAMx Modeling (no change from Oct. 1999 BPA SIP)
 - Appendix G: Incorporation of Emissions Improvements for the Houston/Galveston/Brazoria CAMx Modeling (same as Oct. 1999 HGB SIP App. D)
 - Appendix H: Migration of Emission Inventory Components from EPS-2 to SMOKE for the August 31–September 2, 1993 COAST Episode (no change from Oct. 1999 BPA SIP)
 - Appendix I: Migration of Emission Inventory Components from EPS-2 to SMOKE for the September 6–11, 1993 COAST Episode (no change from Oct. 1999 BPA SIP)
 - Appendix J: Development of COAST CAMx Initial and Boundary Conditions (same as Oct. 1999 HGB SIP App. K)
 - Appendix K: Evaluation of the CAMx Base Case Model Performance for the August 31–September 2, 1993 COAST Episode (no change from Oct. 1999 BPA SIP)
 - Appendix L: Evaluation of the CAMx Base Case Model Performance for the September 6–11, 1993 COAST Episode (same as Oct. 1999 HGB SIP App. E)
 - Appendix M: The Effect of Houston/Galveston/Brazoria Emissions upon Beaumont/Port Arthur's Ability to Attain the National Ambient Air Quality Standard for Ozone (no change from Oct. 1999 BPA SIP)
 - Appendix N: Growing the 1993 Base Case Inventory for the August 31, 1993–September 2, 1993 COAST Episode to the Year 2007 (no change from Oct. 1999 BPA SIP)
 - Appendix O: Control Strategy Modeling with CAMx for the Beaumont–Port Arthur Area (no change from Oct. 1999 BPA SIP)
 - Appendix P: Analysis of Beaumont Back Trajectory and Ozone Data with Regard to Houston/Lake Charles Effects
 - Appendix Q: Supplementary Air Quality Analyses for BPA (no change from Oct 1999 BPA SIP)
 - Appendix R: Point Source Growth Rates for HGB, BPA, and DFW SIP Modeling

Associated Rules

Controlling Emissions from Utility Electric Generation in Ozone Nonattainment Areas

- Project No. 1999-056-117-AI (Adopted)



Controlling Emissions from Industrial, Commercial, and Institutional Combustion Sources in Ozone Nonattainment Areas

- Project No. 1999-056-117-AI (Adopted)

Controlling Emissions from Cement Kilns

- Project No. 1999-046-117-AI, 1999-049-117-AI (Adopted)