



# SIP Revisions: Beaumont-Port Arthur, Ozone Attainment Demonstration and Post-1996 Rate of Progress, October 27, 2004

On October 27, 2004, the commission adopted the Beaumont-Port Arthur (BPA) ozone attainment demonstration and the Post-1996 rate of progress (ROP) State Implementation Plan (SIP) revisions.

## Summary of the SIP Revision

**Adoption Date:** 10/27/2004

**Proposal Date:** 05/26/2004

**EPA Approval Dates:** 02/22/2006 ([71 FR 8962](#)) [Exit...](#); 02/27/2008 ([FR 73 10383](#)) [Exit...](#)

**Background:** Based on their 1998 Transport Policy, the United States Environmental Protection Agency (EPA) approved extending—without reclassification to serious—the BPA moderate nonattainment area's one-hour ozone standard attainment deadline to November 15, 2007; however, on December 11, 2002, that approval was withdrawn pursuant to a ruling by the U.S. Court of Appeals for the Fifth Circuit (*Sierra Club v. EPA*). On March 30, 2004, the EPA reclassified the BPA one-hour ozone moderate nonattainment area to serious nonattainment with an attainment date of November 15, 2005 ([69 FR 16483](#)) [Exit...](#). The state was required to submit a new attainment demonstration showing attainment by 2005, within one year of the effective date of the action.

On April 30, 2004, the EPA issued nonattainment designations for the 1997 eight-hour ozone standard, and the BPA area was designated a marginal nonattainment area with an attainment deadline of June 15, 2007. On that same day, the EPA published Phase I of its implementation rule for the 1997 eight-hour ozone standard, which addressed requirements for areas that continued to violate the one-hour ozone standard and did not have fully approved plans ([69 FR 23951](#)) [Exit...](#). For such areas, including the BPA area, the state was required to submit one of the following SIP revisions:

- a one-hour ozone standard attainment demonstration;
- a 1997 eight-hour ozone standard attainment demonstration; or
- a 5% increment of progress plan.

For the BPA area, the TCEQ chose to submit an early 1997 eight-hour ozone standard attainment demonstration that provided 3% emissions reductions for the area out to the attainment date.

The EPA approved the Post-1996 ROP plan, including the 1990 base year emissions inventory and milestone year motor vehicle emissions budget (MVEB) portions of the SIP revision, on February 22, 2006 ([71 FR 8962](#)) [Exit...](#). The EPA determined that the BPA area had implemented reasonably available control technology for volatile organic compounds on February 27, 2008 ([73 FR 10383](#)) [Exit...](#).

## Key Changes:

The BPA attainment demonstration SIP revision contains results of photochemical modeling and technical analyses in support of the demonstration of attainment of the 1997 eight-hour ozone



standard. The SIP revision also contains an attainment year MVEB based on MOBILE6, a version of the EPA emission factor model for mobile sources.

The BPA ROP update SIP revision includes requirements set forth by the EPA in the 1990 Clean Air Act Amendments as well as the additional requirements established in the March 30, 2004, *Federal Register* notice (69 FR 16483) [Exit...](#). These include: updated emissions inventories, including an updated 1990 ROP base year emissions inventory, post-1996 ROP analyses for milestone years 1999, 2002, and 2005 in response to an attainment date of 2005; a ROP contingency demonstration; and MVEBs for the ROP plan's milestone years.

## SIP Narratives and Appendices

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### BPA Attainment Demonstration SIP Revision (Project No. 2004-053-SIP-AI)

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### BPA Rate-of-Progress SIP Revision (Project No. 2004-049a-SIP-NR)

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- [Response to Comments](#)
- [Adopted BPA Rate of Progress SIP Revision Appendices](#)



## Texas State Implementation Plan

- Appendix 1: Beaumont–Port Arthur 1 Hour Ozone Nonattainment ROP Calculation Spread Sheet
- [Appendix 2: Rate-of-Progress Onroad Mobile Source Emissions Inventories for Beaumont-Port Arthur Nonattainment Area, Texas Transportation Institute, The Texas A&M System, College Station, Texas, August 2003](#)
- Appendices 3, 4, and 5: Beaumont-Port Arthur Ozone Nonattainment ROP Nonroad Mobile Control/Custom/Uncontrolled File
- [Appendix 6: Post 1990 Improvements to the Area Source Emissions Inventory](#)
- [Appendix 7: Post 1990 Improvements to the Nonroad Mobile Emissions Inventory](#)