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# SIP Revision: Harris County Attainment Demonstration (AD), December 3, 1982

**On December 3, 1982, the Texas Air Control Board (TACB) adopted an updated AD State Implementation Plan (SIP) revision for Harris County.**

## Summary of the SIP Revision

**Adoption Date:** 12/03/1982

**EPA Actions:** The United States Environmental Protection Agency (EPA) proposed approval of all portions of the SIP revision on 02/03/1983 ([48 FR 5114](#)), except for the inspection and maintenance (I/M) program. After the TACB adopted revisions to the I/M program in 1984, the EPA approved the SIP revision on 06/26/1985 ([50 FR 26359](#)).

**Background:** The 1977 Amendments to the Federal Clean Air Act (FCAA) required states to submit, by 1982, updated ADs for any ozone or carbon monoxide (CO) nonattainment areas that had been granted an attainment deadline extension to 1987. Harris County was the only area in Texas to receive this extension. Observed one-hour ozone values from 1978-1980 at eight monitoring sites across the county ranged from 0.18 to 0.35 parts per million (ppm). The AD used the city-specific empirical kinetic modeling approach to estimate that a 41% reduction in volatile organic compounds (VOC) emissions from 1980 levels would be needed to attain the ozone National Ambient Air Quality Standard (NAAQS) by 1987. This plan was also required to project reasonable further progress (RFP) in reducing emissions between 1980 and 1987.

**Key Changes:** This SIP revision included updated emissions inventories (EI) for the area and new control strategies for reducing VOC emissions. The AD relied on federal vehicle standards, transportation control measures, an I/M program, the new source review (NSR) permitting program, and controls on stationary sources of VOC emissions. The plan incorporated new rules adopted in 1980 and 1982 that instituted controls on VOC emissions from sources covered by Control Techniques Guidelines (CTG).

As required by the FCAA, the SIP revision included plans for an I/M program in Harris County, but the rules had not yet been finalized. The program was to be administered jointly by the TACB, Texas Department of Public Safety (DPS), and the State Department of Highways and Public Transportation. After conducting a pilot project, the TACB and DPS developed a parameter inspection program. Vehicles manufactured in the 1968 model-year and newer underwent a visual inspection of the exhaust emission system components and model-years 1984 and newer were required to have pollution control devices installed.

## SIP Narrative and Appendices

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

### Harris County Ozone SIP Revision

- [Harris County Ozone SIP Revision](#)