

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

AGENDA ITEM REQUEST

for Proposed State Implementation Plan Revision

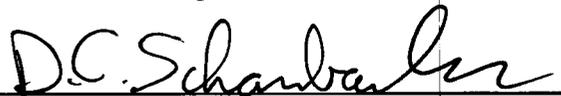
AGENDA REQUESTED: December 13, 2006

DATE OF REQUEST: November 21, 2006

NAME & NUMBER OF PERSON TO CONTACT REGARDING CHANGES TO THIS REQUEST, IF NEEDED: Kerry Howard, 239-0556

CAPTION: Docket No. 2006-1892-SIP. Consideration for publication of, and hearing on, a proposed revision to the Houston-Galveston-Brazoria (HGB) Eight-Hour Ozone Nonattainment Area Reasonable Further Progress (RFP) State Implementation Plan (SIP). This SIP revision demonstrates a 15 percent emissions reduction requirement will be met for the analysis period of 2002 to 2008. The HGB RFP SIP revision demonstration (1) establishes baseline emission levels, (2) calculates reduction targets, (3) identifies control strategies to meet emission target levels, and (4) tracks actual emission reductions against established emissions growth and control budgets.

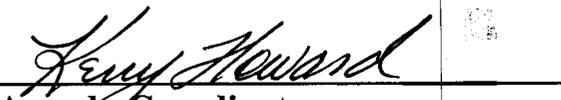
This revision also includes a motor vehicle emissions budget for the milestone year 2008. No new on-road mobile source controls have been proposed as part of the plan. However, values have been updated using the latest EPA MOBILE6 inventory development tool. Therefore inventories have changed and the MVEB is updated as part of this SIP revision. (Mary Ann Cook, Terry Salem) (SIP Revision Project No. 2006-030-SIP-NR)



Chief Engineer



Division Director



Agenda Coordinator

Copy to CCC Secretary? NO

Texas Commission on Environmental Quality

INTEROFFICE MEMORANDUM

To: Commissioners Date: November 21, 2006

Thru: LaDonna Castañuela, Chief Clerk
Glenn Shankle, Executive Director

From: David C. Schanbacher, P.E., Chief Engineer **DCS**

Docket No.: 2006-1892-SIP

Subject: Commission Approval for Proposal of the Houston-Galveston-Brazoria Eight-Hour Ozone Nonattainment Area Reasonable Further Progress (RFP) SIP Revision
Project No. 2006-030-SIP-NR

Reasons for the SIP revision:

The eight-county Houston-Galveston-Brazoria (HGB) metropolitan area was classified a "moderate" ozone nonattainment area by the U.S. Environmental Protection Agency (EPA) under the eight-hour ozone standard. Section 182 of the 1990 Federal Clean Air Act Amendments (FCAAAA) requires ozone nonattainment areas with air quality classified as moderate or higher to submit plans showing reasonable further progress (RFP) towards attainment of the national ambient air quality standards (NAAQS). EPA's eight-hour ozone implementation rule specifies the requirements for the RFP SIP, which is due to EPA on June 15, 2007.

What the SIP Revision will do:

This SIP demonstrates that the RFP 15 percent reduction requirement will be met for the analysis period of 2002 to 2008. Target year inventories include the latest information available to estimate emissions projections. Target levels for 2008 also account for RFP corrections and non-creditable reductions. All of the RFP inventories are based upon an ozone season weekday analysis.

The 1990 FCAAAA require that reasonable further progress emissions inventories be prepared for ozone nonattainment areas. The TCEQ maintains an emissions inventory (EI) of up to date emissions information, including the ozone precursors, nitrogen oxides (NO_x) and volatile organic compounds (VOC). The emissions inventory (EI) identifies the source types in the HGB area, the amount of each pollutant emitted, and the types of processes and control devices employed at each plant or source category. The HGB RFP demonstration (1) establishes baseline emission levels, (2) calculates reduction targets, (3) identifies control strategies to meet emission target levels, and (4) tracks actual emission reductions against established emissions growth and control budgets.

The RFP methodology involves development of the base year (2002) and milestone year inventories, the emission reductions for each milestone year, and an estimate of the effects of non-creditable reductions and pre-1990 FCAAAA rule corrections. Once these values have been analyzed, the milestone target levels and emissions inventories can be compared to determine if the forecast controlled emission inventory is less than the target level. The comparison of the controlled target year inventories and the target level of emissions demonstrate that the HGB RFP SIP meets the RFP requirements for the 2008 milestone year.

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Additionally, this SIP sets a motor vehicle emissions budget (MVEB) for transportation conformity purposes for the milestone year 2008 (See Table 1).

Table 1: 2008 Eight-Hour Ozone RFP Motor Vehicle Emissions Budget for HGB Ozone Nonattainment Area

Description	NO _x tons per day	VOC tons per day
2008 Eight-Hour Ozone RFP Motor Vehicle Emissions Budget	240.55	119.14

An MVEB is the on-road mobile source allocation of the total allowable emissions for each applicable criteria pollutant or precursor, as defined in the SIP. Transportation conformity determinations must be performed using the budget test, once EPA determines the budget adequate for transportation conformity purposes. To pass the budget test, areas must demonstrate that the estimated emissions from transportation plans, programs, and projects do not exceed the motor vehicle emissions budget.

Although no new on-road mobile source controls have been proposed for the updated RFP plan, the on-road mobile emission inventories and control reduction values have been updated using the latest EPA on-road mobile source inventory development tool, MOBILE6. Since the inventories have changed, the MVEB is updated as part of this SIP revision.

Statutory authority:

The authority to propose and adopt this SIP Revision is derived from the Texas Health and Safety Code, Texas Clean Air Act (TCAA), §382.002, which provides that the policy and purpose of the TCAA is to safeguard the state's air resources from pollution; TCAA, §382.011, which authorizes the commission to control the quality of the state's air; and §382.012, which authorizes the commission to prepare and develop a general, comprehensive plan for the control of the state's air, and Texas Water Code §5.102, General Powers, and §5.013, General Jurisdiction of Commission.

FCAA, 42 USC, §7410, et seq., requires states to submit SIP revisions that specify the manner in which the NAAQS will be achieved and maintained within each air quality control region of the state. EPA's Final Rule to Implement the Eight-Hour Ozone National Ambient Air Quality Standard, published on November 29, 2005, outlines the requirements.

Effect on the:

Regulated community:

None.

Public:

The public will benefit from reduced emissions through 2008.

Agency programs:

None expected.

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Controversial issues:

None expected.

Legislative interest:

None expected.

Stakeholder involvement:

As a part of overall SIP development, public meetings with interested parties, including local governments, industry, environmental groups, and members of the public were held in Spring 2006. They included three meetings on March 22, 2006, and May 27, 2006, which focused on mobile source (on-road and non-road) control strategy development; March 28, 2006, regarding ports, locomotives, and marine sources; and April 19, 2006, and May 24, 2006, for point and area source control strategy development.

Proposed schedule:

Anticipated proposal date: December 13, 2006

Public hearing dates: In Houston on January 29, 2007; In Austin, February 8, 2007; In DFW, February 1, 2007, In Longview, February 6, 2007

Public comment period: December 29, 2006, to February 12, 2007

Anticipated adoption date: May 2007

SIP Revision due to EPA: June 15, 2007

Agency contacts:

Mary Ann Cook, SIP Coordinator 239-6739

Terry Salem, Staff Attorney, 239-0469

Attachments

cc: Chief Clerk, 5 copies
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Kerri Rowland
Rebecca Rentz
Greg Merrell
Jason Skaggs
Ashley K. Wadick
Mary Ann Cook
Lisa Martin
David C. Schanbacher, P.E.

Commissioners
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Electronic cc: Terry Salem, Staff Attorney
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