



2008 Eight-Hour Ozone Standard Serious Classification SIP Revisions

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Presented to Houston-Galveston Area Council of Governments,
Regional Air Quality Planning Advisory Committee
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2008 Eight-Hour Ozone Standard Serious Classification

- The Houston-Galveston-Brazoria (HGB) and Dallas-Fort Worth (DFW) moderate nonattainment areas did not attain by end of 2017.
- HGB and DFW were reclassified to serious nonattainment on August 23, 2019.
 - Effective date: September 23, 2019
 - Attainment year for serious areas: 2020
 - Attainment date for serious areas: July 20, 2021
 - State Implementation Plan (SIP) Revisions due to EPA: August 3, 2020



SIP and Rule Revisions

- Attainment Demonstration (AD) SIP revisions developed for HGB and DFW serious nonattainment areas
- One Reasonable Further Progress (RFP) SIP revision for both HGB and DFW serious nonattainment areas
- Associated rulemakings to address reasonably available control technology (RACT) requirements proposed with the SIP revisions
- Agenda Dates:
 - Proposed on September 11, 2019
 - Adoption scheduled for March 4, 2020



Attainment Demonstration (AD) SIP Revision

- Modeling, supported by weight of evidence, to demonstrate areas will attain by the 2020 attainment year
 - HGB area future design value of 76 parts per billion (ppb)
- Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) RACT requirements met for HGB



Reasonable Further Progress (RFP) SIP Revision

- One RFP SIP revision for both HGB and DFW serious nonattainment areas
- 15% reduction requirement already addressed in previous RFP SIP revisions
- Demonstrates additional 3% annual combined reductions of VOC and NO_x



Summary of the 2020 HGB RFP Demonstration (tons per day)

- Eight-county* HGB area demonstrates the required RFP emissions reductions for 2020.

Description	NO _x	VOC
2020 RFP forecast emissions	357.25	484.61
2020 RFP target level of emissions	371.17	493.33
Excess emissions reduction	+13.92	+8.72

* Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties



Motor Vehicle Emissions Budgets (MVEB)

- 2020 AD MVEB for the eight-county HGB area

NO _x (tpd)	VOC (tpd)
83.04	55.17

- 2020 RFP MVEB for the eight-county HGB area

NO _x (tpd)	VOC (tpd)
87.69	57.70



Rule Revisions

- Proposed changes to the rules include VOC and NO_x technical revisions:
 - Addition of NO_x test method for engines in all areas covered by the rules
 - Correction of inadvertent errors in VOC content limits for surface coating in all areas covered by rules



Public Comment and Hearing Information

- Public comment period:
 - Opened September 13, 2019
 - Closes October 28, 2019
- Public Hearing in Houston:
 - October 14, 2019, 2:00 p.m.
 - Texas Department of Transportation Auditorium
 - 7600 Washington Avenue, Houston, TX
- Adoption scheduled for March 4, 2020



Contact Us

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