

Attachment
Infrastructure SIP Element [§ 110(a)(2)(D)(i)(I)]
for the 2008 8-Hour Ozone NAAQS

Interstate Transport [§110(a)(2)(D)] of the Clean Air Act

Section 110(a)(2)(D)(i) of the CAAA requires that Georgia’s SIP for the Ozone NAAQS must “contain adequate provisions-

(i) prohibiting, consistent with the provisions of this subchapter, any source or other type of emissions activity within the State from emitting any air pollutant in amounts which will-

(I) contribute significantly to nonattainment in, or interfere with maintenance by, any other State with respect to any such national primary or secondary ambient air quality standard...”

The nonattainment portion is named “Prong 1” by EPA and the maintenance portion is named “Prong 2”.

Georgia’s Authority for Subsection (2)(D)(i)(I) is detailed below:

The Georgia Air Quality Act 12-9-5(b)(10) states:

- In the performance of its duties, the Board of Natural Resources shall have and may exercise the power to:

(10) Establish, review, or modify emission limitations, emission control standards, or control measures for stationary sources or facilities in areas of the state where such sources or facilities significantly contribute to nonattainment of an ambient air quality standard or significantly contribute to a significant deterioration of air quality in the state, an area of the state, or another state; provided, however, that no requirement under this paragraph shall be less stringent than the requirements for such source or facility under this article and the rules and regulations promulgated pursuant to this article;

Georgia EPD also has permitting requirements under Georgia Rule 391-3-1-.03 and Nonattainment New Source Review regulations under Georgia Rule 391-3-1-.03(8), specifically:

- Georgia Rules for Air Quality Control 391-3-1-.02. - “Provisions. Amended” including: PSD requirements under Georgia Rules for Air Quality 391-3-1-.02(7).
- Georgia Rules for Air Quality Control 391-3-1-.03. - “Permits. Amended” including: Construction Permit under Georgia Rules for Air Quality 391-3-1-.03(1).

- Georgia Rules for Air Quality Control 391-3-1-.03. - “Permits. Amended” including: Operating Permit under Georgia Rules for Air Quality 391-3-1-.03(2).
- Georgia Rules for Air Quality Control 391-3-1-.03. - “Permits. Amended” including: New Source Review requirements under Georgia Rules for Air Quality 391-3-1-.03(8)(c) and (g).
- Georgia Rules for Air Quality Control 391-3-1-.03. - “Permits. Amended” including: Generic Permit under Georgia Rules for Air Quality 391-3-1-.03(12).

PSD requirements under Georgia Rules for Air Quality Control 391-3-1-.02(7):

- All new major sources and major modifications in Georgia, including major sources of Ozone, are currently subject to Prevention of Significant Deterioration (PSD) under Georgia Rules for Air Quality Control 391-3-1-.02(7).

Nonattainment New Source Review for Ozone Nonattainment Areas under Georgia Rules for Air Quality Control 391-3-1-.03(8):

- There are additional provisions for ozone nonattainment areas under Georgia Rules for Air Quality Control 391-3-1-.03(8)(14), and additional EGU provisions for areas contributing to nonattainment areas under Georgia Rules for Air Quality Control 391-3-1-.03(8)(15).

In addition to the above mentioned permitting and PSD requirements, Georgia has in place the following state rules and program measures, which further prevent Georgia from significantly contributing to nonattainment in, or interfering with maintenance by, any other State with respect to the 2008 8-hour Ozone NAAQS.

These measures target reductions of NO_x emissions:

- Georgia Rules for Air Quality Control 391-3-1-.02(2)(yy) - Emissions of Nitrogen Oxides from Major Sources
- Georgia Rules for Air Quality Control 391-3-1-.02(2)(jjj) - NO_x Emissions from Electric Utility Steam Generating Units
- Georgia Rules for Air Quality Control 391-3-1-.02(2)(lll) - NO_x Emissions From Fuel Burning Equipment
- Georgia Rules for Air Quality Control 391-3-1-.02(2)(rrr) - NO_x from Small Fuel Burning Equipment
- Georgia’s Rules for Enhanced Inspection and Maintenance 391-3-20 - Vehicle Emissions Inspection and Maintenance (I/M) Program

- Georgia Rules for Air Quality Control 391-3-1-.02(2)(sss) - Multipollutant Control for Electric Utility Steam Generating Units

These measures target reductions of VOC emissions:

Reasonably Available Control Technology (RACT) as described in Section 182(b)(2) of the Clean Air Act

- Georgia Rules for Air Quality Control 391-3-1-.02(2)(t) through (ff), (hh) through (nn), (pp) through (ss), (vv), (ccc) through (eee), (hhh), (kkk), (qqq), (vvv), and (yyy) through (aaaa) contain regulations fulfilling RACT for specific source categories
- Georgia Rules for Air Quality Control 391-3-1-.02(2)(tt) - VOC Emissions from Major Sources, case-by-case RACT

110(a)(2)(D)(i)(I) Demonstration

Georgia does not contribute significantly to nonattainment in, or interfere with maintenance by, any other State with respect to the 2008 Ozone NAAQS. This argument is supported by the technical demonstration “Georgia’s Contribution to Ozone in Downwind States” included in Appendices A, B, and C and “NO_x and VOC Emission Trends in Georgia” included in Appendices D and E.

The above mentioned rules and measures, along with the technical demonstration included in Appendices A-E, demonstrate that Georgia EPD has adequate provisions to prevent emission sources in Georgia from emitting air pollutants in amounts that will significantly contribute to nonattainment in (Prong 1), or interfere with maintenance by (Prong 2), any other State with respect to the 2008 Ozone NAAQS.