

Huntington-Ashland, Kentucky Ozone Maintenance Plan

Effective Redesignation Date: (60 FR 33748, 6/29/95)

Background of the Plan: Under section 107(d)(1)(C) of the CAA (Clean Air Act), EPA designated Boyd County of the Ashland-Huntington area as nonattainment by operation of law with respect to the 1-hour ozone standard, because the area was designated nonattainment immediately before November 15, 1990. The nonattainment area was expanded to include portions of Greenup County per section 107(d)(1)(A)(i) of the CAA [See 56 FR 56694 (Nov. 6, 1991) and 57 FR 56762 (Nov. 30, 1992), codified at 40 CFR 81.318.] The area was classified as moderate. The moderate nonattainment area has ambient monitoring data that show no violations of the ozone National Ambient Air Quality Standard (NAAQS) during the period from 1991 through 1993. Therefore, on November 12, 1992, West Virginia requested to redesignate their portion of the Ashland- Huntington nonattainment area and the request was approved on December 21, 1994, by Region 3 (59 FR 65719). Also, Kentucky, on November 12, 1993, submitted for parallel processing an ozone maintenance plan and requested redesignation of the area to attainment with respect to the ozone NAAQS and EPA found the request complete. The Cabinet's redesignation request for the Kentucky portion of the Ashland-Huntington moderate ozone nonattainment area meets the five requirements of section 107(d)(3)(E) of the CAA for redesignation to attainment. Kentucky request for redesignation was published on June 29, 1995.

Summary of the Plan: This State Implementation Plan revision relies on an attainment level of emissions of volatile organic compounds (VOCs) and nitrogen oxides (NOx) to maintain the 1-hour ozone standard through a combination of control measures. These measures include both stationary and mobile source controls. The state agreed to periodically update the emissions inventory to ensure maintenance of the standard and to implement certain contingency measures if the emissions level is exceeded or the standard is violated.

Control Measures: A variety of control measures will be utilized including the following:

- Emissions Inventory
- Reasonably Available Control Technology (RACT)
- Emissions Statements
- New Source Review
- NOx RACT Rule

This area is subject to the Federal Reid Vapor Pressure requirements. For a listing of the exact requirements please refer to <http://www.epa.gov/otaq/volatility.htm>.

Motor Vehicle Emissions Budget (MVEB): The applicable year 2005 MVEB for the Huntington-Ashland for VOCs is 7.86 tons/day and the applicable year 2005 MVEB for NOx is 7.11 tons/day.

Contingency Measures: The plan contains the following possible contingency measures:

- Petition EPA to opt into reformulated gasoline
- Inspection and maintenance
- Stage II.

In addition to these contingency measures, the Commonwealth has other miscellaneous options from which to choose included in their maintenance plan.

Emission Reductions: On November 13, 1992, the Commonwealth of Kentucky submitted comprehensive inventories of VOC, NOx, and Carbon monoxide emissions for the Huntington-Ashland marginal nonattainment area. The inventories included biogenic, area, stationary, and

mobile sources using 1990 as the base year for calculations to demonstrate maintenance and 1993 is used as the baseline attainment year. The area wide VOC emissions inventory for baseline year 1990 was 51.04 tons/day and projecting a decrease emissions by 2005 with 46.16 tons/day. The area wide NOx emissions inventory for baseline year 1990 was 33.60 tons/day and projecting a decrease emissions by 2005 with 33.08 tons/day. The Huntington-Ashland marginal nonattainment was redesignated attainment on June 29, 1995. Projections indicate that there was an emissions decrease in VOCs and NOx in the nonattainment area from the 1993 attainment base year to 2005. However, the projections show a temporary increase in NOx emissions of less than 2%. EPA believes this increase to be insignificant, and therefore, EPA believes that these emissions will not affect attainment of the ozone NAAQS.

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