United States Environmental Protection Agency

EPA420-B-04-007
June 2004

Boundary Scenarios for 8-hour Ozone Nonattainment Areas Previously Designated as Nonattainment or Maintenance for the 1-hour Ozone Standard

Reference Document

Note: The purpose of this reference document is to assist the public in understanding Section VI.A.2. of EPA's final rule entitled, "Transportation Conformity Rule Amendments for the New 8-hour Ozone and $PM_{2.5}$ National Ambient Air Quality Standards and Miscellaneous Revisions for Existing Areas; Transportation Conformity Rule Amendments: Response to Court Decision and Additional Rule Changes." The final transportation conformity rule was signed on June 14, 2004. Section VI. of the rule is entitled, "Regional Conformity Tests in 8-hour Ozone Areas That Have 1-hour Ozone SIPs."

The generic boundary scenarios described in Section VI. are for 8-hour ozone nonattainment areas that were also designated nonattainment under the 1-hour ozone air quality standard. These boundary scenarios are important for applying conformity tests in these areas. The tests apply for such areas before motor vehicle emissions budgets from SIPs that address the 8-hour ozone standard are available for conformity purposes.

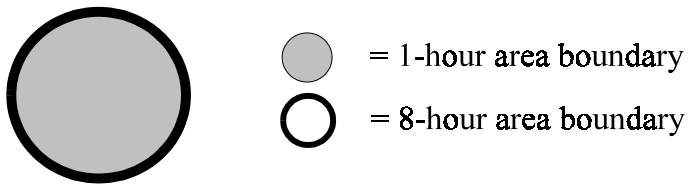
Please note that scenarios are determined according to how the entire 8-hour nonattainment area relates to the entire 1-hour nonattainment or maintenance area(s).

EPA will post more detailed implementation guidance on its transportation conformity Web site for conformity determinations in new standard areas, including 8-hour ozone areas with 1-hour SIP budgets and multi-state/multi-MPO nonattainment areas.

State and local agencies can consult with EPA and DOT field offices to determine which scenario applies to a given 8-hour nonattainment area.

SCENARIO 1: 8-hour and 1-hour Ozone Boundaries Are Exactly the Same

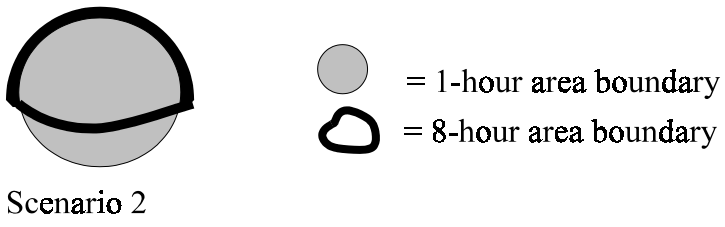
In this scenario, the 8-hour and 1-hour ozone boundaries cover exactly the same geographical area.



Scenario 1

SCENARIO 2: 8-hour Ozone Boundary Is Smaller Than and Within the 1-hour Ozone Boundary

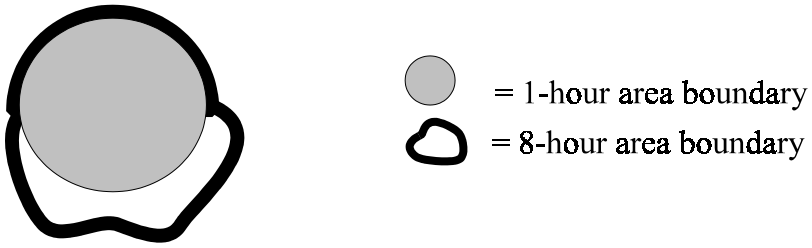
In this scenario, the 8-hour ozone nonattainment area is smaller than and completely encompassed by the 1-hour ozone boundary.



Scenario 2

SCENARIO 3: 8-hour Ozone Boundary Is Larger Than the 1-hour Ozone Boundary

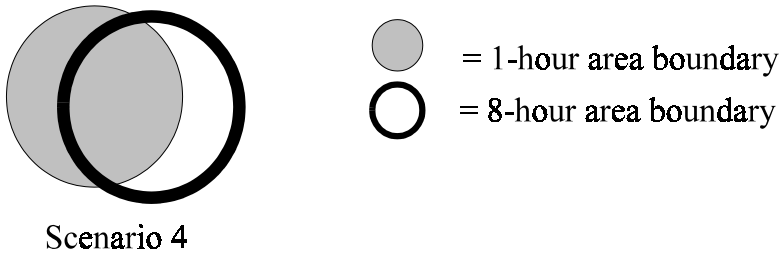
In this scenario, the entire 1-hour ozone boundary is completely within a larger 8-hour ozone nonattainment area.



Scenario 3

SCENARIO 4: 8-hour Ozone Boundary Overlaps With the 1-hour Ozone Boundary

In this scenario, the 8-hour and 1-hour ozone boundaries partially overlap.



Scenario 4