

Draft 2008 Ozone Redesignation Request and Maintenance Plan

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- Redesignation Request
 - Ask EPA for this finding
- Maintenance Plan
 - Show how Missouri will continue to meet the 2008 ozone standard

Timeline

- June 20th - IACG comment period on conformity budget started
- June 27th - Public comment on SIP document
- July 28th -Public hearing at MACC (Jefferson City)
- Aug 4th - Comments due COB
- Aug 25th- Proposing MACC adopt at meeting (St. Louis regional office)



<http://dnr.mo.gov/env/apcp/stateplanrevisions.htm>

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Missouri State Implementation Plan Revision - Redesignation Request and Maintenance Plan for the St. Louis (MO) 2008 Ozone Standard Nonattainment Area

This SIP revision addresses redesignation requirements, per the Clean Air Act, for the St. Louis (MO) nonattainment area under the 2008 ozone standard. The St. Louis (MO) area counties of Franklin, Jefferson, St. Louis, and St. Charles as well as the city of St. Louis were designated nonattainment by the U.S. Environmental Protection Agency (EPA) on May 21, 2012, and monitoring data for 2013 to 2015 show the area has attained the standard of 75 parts per billion. The SIP revision includes a maintenance plan to demonstrate the St. Louis (MO) area will continue to meet the standard in future years as outlined in emission inventory projections, contingency measures, and motor vehicle budgets. Redesignation to attainment will occur when EPA gives final approval of this plan.

Redesignation Request and Maintenance Plan for the St. Louis (MO) 2008 Ozone Standard Nonattainment Area

Appendix A and B
Appendix C and D
Appendix E and F

Submit Comments Now

A public hearing is scheduled for this plan action on July 28, 2016. Comments about this plan action will be accepted through close of business on August 4, 2016.

Proposed for Adoption

None at this time.

- Program Home Page
- Air Conservation Commission
- Air Pollutants
- Air Program Advisory Forum
- Air Quality
- Asbestos
- Clean Power Plan
- Forms and Applications
- Gateway Vehicle Inspection Program
- Laws and Regulations
- NAAQS Boundary Designations
- Ozone
- Permits
- Publications and Reports
- Public Notices-Comment Periods
- QAPP Template
- Air Pollution Compliance/Regulatory Assistance
- State Plans
- Vapor Recovery Information and Compliance Requirements

Contact Information

Document Contents:

- Monitoring
- Emission Inventory
- Legal authority, public participation, other SIP pieces
- Transportation conformity budgets
- Contingency Measures

Transportation Conformity Budget

- A number that will show the area continues to meet air quality goal of declining emissions from base year (2014) to future year (2030)

Transportation Conformity Budget

Calculating the Transportation Conformity budget:

- Estimate 2014 emissions, all categories, all MO counties
- Estimate 2030 emissions, all categories, all MO counties
- Subtract 2014 from 2030 to see how much emissions decline (aka: Safety margin)
- Choose an amount of the safety margin to apply to future year onroad (ex: 20%, 50%, 80%)
- Add in the chosen amount of the safety margin to the future year onroad emissions to get the transportation conformity budget

Transportation Conformity Budget

<i>Emissions in tons per ozone season day, MO counties only</i>	2014 Emissions	2030 Emissions	Safety Margin
NOx	296.69	161.58	135.11
VOC	209.49	131.55	77.94

- *Safety margin is reduced by a small amount due to banked emissions that may return in the future year (less than 3 tons)*

Transportation Conformity Budget

80% of safety margin chosen to apply to onroad emissions

<i>Emissions in tons per ozone season day, MO counties only</i>	2030 Onroad Emissions	80% of Safety Margin	Transportation Conformity Budget
NOx	25.57	$[(135.11 - 0.01 \text{ bank}) * 0.80] = 108.08$	$(25.57 + 108.08) = \mathbf{133.65}$
VOC	18.42	$[(77.94 - 2.85 \text{ bank}) * 0.80] = 60.07$	$(18.42 + 60.07) = \mathbf{78.49}$

Transportation Conformity Budget

Based on IACG May discussion:

- VMT Growth: 1.7% per year
- Vehicle Population Growth: FHWA method
- Vehicle Age Distribution: holding constant

These budgets, should St. Louis transportation projects need to use all of these emissions in 2030, would still ensure a total emissions picture that is below 2014 emissions, the attainment year of the plan.

Division of Environmental Quality Director: Leanne Tippet Mosby

Date: June 28, 2016

Nothing in this document may be used to implement any enforcement action or levy any penalty unless promulgated by rule under chapter 536 or authorized by statute