

OZONE REDESIGNATION REQUEST & MAINTENANCE PLAN (2008 STANDARD)

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Metropolitan Washington Air Quality Committee
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Agenda Item 6

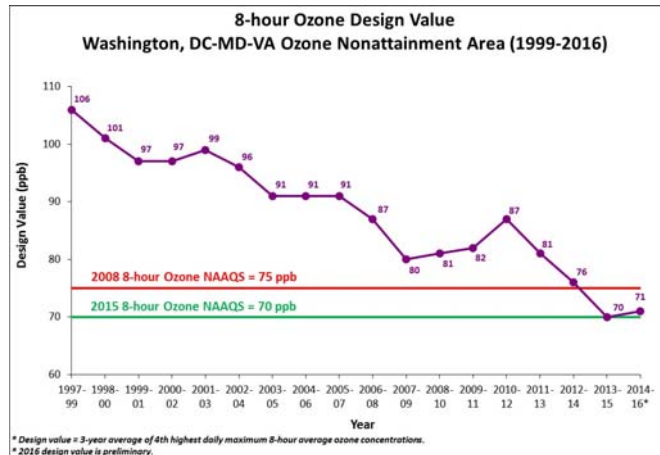


Background

- History of ozone standards
 - 1979: 0.12 ppm (124 ppb) - 1-hour average
 - 1997: 0.08 ppm (84 ppb) - 8-hour average
 - 2008: 0.075 ppm (75 ppb) - 8-hour average
 - 2015: 0.070 ppm (70 ppb) - 8-hour average
- EPA designated the Washington, DC-MD-VA region as “marginal nonattainment area” for the 2008 ozone standard in July 2012
- Region needed to attain the standard by July 2016
- Data for the Washington region started showing compliance with the standard in 2015



Attainment Status of 2008 Ozone Standard



Why Redesignation Request & Maintenance Plan ?

- Washington region plans to submit a request to redesignate the region to “attainment” and a demonstration to maintain the compliance with standard by 2017 (Ozone Redesignation Request & Maintenance Plan)
- Closes the book on 2008 ozone standard
- Official recognition and public awareness:
 - Ozone levels are in compliance with the 2008 ozone standard in the metropolitan Washington area
- Control measures such as cleaner engines, controls on power plants, diesel retrofit measures are working
- Reduces a significant obstacle for locating new industries (economic development)
- The plan will replace current set of MVEBs, which were developed in 2007 using Mobile6.2 model (outdated now, replaced with MOVES2010 model in 2010)

Elements of Redesignation Request & Maintenance Plan

- Air Quality Data
 - Ozone data to show compliance with the 2008 ozone standard
- Emissions Inventories (Point, Area, Nonroad, and On-road Sources)
 - Redesignation Request:
 - SIP Base Year 2011 & Attainment Year 2014 demonstrating a decline in emissions between the two years
 - Maintenance Plan:
 - Attainment Year 2014, Intermediate Year 2025 (?), Final Maintenance Year 2030
 - Demonstrate compliance ten years into future by showing lower emissions in 2025 and 2030 compared to 2014

Emissions Sources & Inventories

- Point Sources - Power plants, other big industries
- Area Sources – Dry cleaners, motor vehicle refinishing, paint
- Nonroad Sources - Construction equipment, lawnmower, locomotive, aircraft
 - MOVES2014a model
- On-Road Sources – Motor vehicles
 - MOVES2014a model

Elements of Redesignation Request & Maintenance Plan

- Motor Vehicle Emissions Budgets (MVEBs)
 - Mobile emissions ceilings for transportation conformity purposes
 - MVEBs will be developed using MOVES2014a model for 2014, 2025, and 2030
- Contingency Measures
 - In case region exceeds ozone standard in future, these measures would be implemented

Schedule

- Draft Emissions Inventories & Plan to MWAQC-TAC – June 2017
- Draft Emissions Inventories & Plan to MWAQC Approval for Public Hearing & Comments – July 2017
- States Post Notices for Public Hearing & Comments – August 2017
- Public Hearing & Comment Period – September – November 2017
- MWAQC Final Plan Approval with Response to Public Comments Included - December 2017

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