

4.5 Emission Reductions from Control Measures – DRAFT 9/26/07

Chapter 6 of this SIP describes the control measures that have either already been implemented or will be implemented by 2009 that will reduce emissions in that year. Most control measures are required by federal or state regulations. Local governments and state agencies have voluntarily committed to other measures, as described in Section 6.5. Projected controlled inventories for 2009 assume a number of control measures to be in place by that year.

Tables 4-9 through 4-12 present the projected controlled emissions for the 2009 attainment year resulting from implementation of the control measures. Below is a list of the measures implemented by the year 2002 in the Washington region. Chapter 6 presents detailed information on the measures and the projected reductions from each.

Point

- NO_x RACT for Major Sources
- NO_x OTC Phase II Budget Rules (DC only)
- NO_x SIP Call (MD only)
- Visible Emissions & Fugitive Dust/Emissions Standards for Existing Sources (VA)
- Standards of Performance for Visible Emissions & Fugitive Dust/Emissions for New and Modified Stationary Sources (VA)

Area

- Seasonal Open Burning Restrictions

Nonroad

- 1994 EPA Non-Road Diesel Engines Rule
- 1995 EPA Non-Road Small Gasoline Engines Rule, Phase 1 and Phase 2 (handheld and non handheld)
- 1996 EPA Emissions standards for spark ignition marine engines
- 2002 EPA Emissions standards for large spark ignition engines
- Reformulated Gasoline (off-road)

Onroad

- High-Tech Inspection/Maintenance (I&M)
- Reformulated Gasoline (on-road)
- Federal “Tier I” Vehicle Standards and New Car Evaporative Standards
- National Low Emission Vehicle Program

Below is a list of the measures with phased-in implementations between 2002 and 2009 in the Washington region.

Point

- NO_x SIP Call
- Clean Air Interstate Rule (CAIR) (VA and DC)

Maryland Healthy Air Act (MD)

Area

Additional phase-in of reductions from National Locomotives Rule

Nonroad

2004 Nonroad Heavy Duty Diesel Rule (negligible benefits by 2009)
Additional phase-in of technology rules implemented by 2002.

Onroad

Heavy-Duty Diesel Engine Rule (2004)
Heavy-Duty Diesel Engine Rule (2007)
Tier 2 Motor Vehicle Emission Standards
I&M Program with Final Cutpoints
Transportation Control Measures (TCMs)?
Vehicle Technology, Maintenance, or Fuel-Based Measures

In addition, the following controls have or will be implemented and included in this SIP as control and/or contingency measures:

Point

NOVA Utility Reductions (Possum Point Fuel Conversion)

Point Contingency (2010)

CAIR (DC, VA) and MD Healthy Air Act SO₂ reductions