

Region 3 Plan Summary
Kent and Queen Anne's County, Maryland Ozone Maintenance Area

Title: Ozone Maintenance Plan for the Kent and Queen Anne's County, Maryland 8-Hour Ozone Maintenance Area

Federal Register Dates: October 10, 2006, 71 FR 59414 (Proposed rule); December 22, 2006, 71 FR 76920 (Final rule).

EPA Effective date: January 22, 2007.

State Submittal Dates: May 2, 2006 and May 19, 2006.

Affected Areas: Kent and Queen Anne's Counties.

Summary of the Plan: 2005 attainment year; projections to 2009 and 2018. The Kent and Queen Anne's plan shows maintenance of the 8-hour ozone NAAQS by demonstrating that current and future emissions of VOC and NOx remain at or below the attainment year 2005 emissions levels throughout Kent and Queen Anne's through the year 2018.

Monitoring Network: Continued operation of the existing ozone monitoring station in the area in pursuant to 40 CFR part 58.

Emissions Inventories:

Total VOC Emissions for 2005-2018 (Tons per day (tpd))

Source Category	2005 VOC emissions	2009 VOC emissions	2018 VOC emissions
Mobile	3.15	2.45	1.55
Nonroad	10.00	8.25	5.96
Area	5.31	5.54	5.17
Point	0.12	0.13	0.16
Total	18.58	16.37	12.84

2018 VOC Safety Margin: 5.74 tpd.

Total NOx Emissions for 2005-2018 (Tons per day (tpd))

Source Category	2005 VOC emissions	2009 VOC emissions	2018 VOC emissions
Mobile	6.57	4.82	2.14
Nonroad	3.77	3.66	3.03
Area	0.25	0.26	0.28

Point	0.07	0.07	0.08
Total	10.66	8.81	5.53

2018 NOx Safety Margin: 5.13 tpd.

Contingency Plan:

A. Contingency Measures

Industrial Commercial Institutional (ICI) Boiler RACT.

Commuter/traffic measures such as potential expansion of park and ride lots, expanded transit services, enhance opportunities for telecommuting/flexible hours/ compressed work schedules.

Expand Air Quality Action Day activities such as put off any painting until later; don't use aerosol consumer products; avoid mowing lawns with gasoline-powered mowers; start charcoal with an electric or chimneytype fire starter instead of lighter fluid; take public transportation; try telecommuting.

Clean Air Partners public education outreach.

Expansion of E-government services at State and county level.

Bicycle and pedestrian enhancements such as additional trails and bike lanes.

Emissions testing for truck transport.

Land use/transportation policies.

Promote non-motorized transport.

Promote tree planting standards that favor trees with low VOC biogenic emissions.

Promote energy saving plan for county government.

Gas can and lawnmower replacement.

B. Contingency Plan Triggers:

After the 4th exceedance of the 8-hour ozone NAAQS (0.08 ppm) occurs within any given calendar year, the MDE will consider that fourth exceedance and any subsequent exceedance as the trigger by which an immediate recalculation of the design value for the Millington Monitor would be required. If the recalculated design value is shown to be above the 8-hour NAAQS (0.08 ppm) then Maryland would initiate the schedule below

C. Schedule:

Within 2 weeks of the "trigger":

MDE will notify Kent and Queen Anne's Counties and other stakeholders of the violations and will schedule an initial work group meeting concerning contingency measures.

1. Within 6 weeks of the "trigger":

MDE will convene a stakeholder group to evaluate the selection and implementation of the contingency measures. The stakeholder group will be composed of interested State and local government agencies; business, environmental and health representatives; citizens and other interested parties.

2. Within 12 weeks of the "trigger":

A public meeting will be held on the proposed contingency measures.

3. Within 18 weeks of the "trigger":

MDE/ Stakeholders will meet to consider public comments and finalize a list of planned contingency measures.

4. After the list of planning of measures is finalized as identified above

in step 4 it will take approximately 12 months from that date to go through any required rulemaking processes.

5. Within 24 months of the "trigger":

Agreed-upon contingency measures will be implemented in the impacted counties.

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