



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

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Molly Joseph Ward
Secretary of Natural Resources

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October 31, 2014

Ozone Advance
c/o Laura Bunte, Mail Code C304-01
109 TW Alexander Drive
Research Triangle Park, NC 27711

Reference: Ozone Advance Action Plan –
Caroline County 2014 Annual
Report

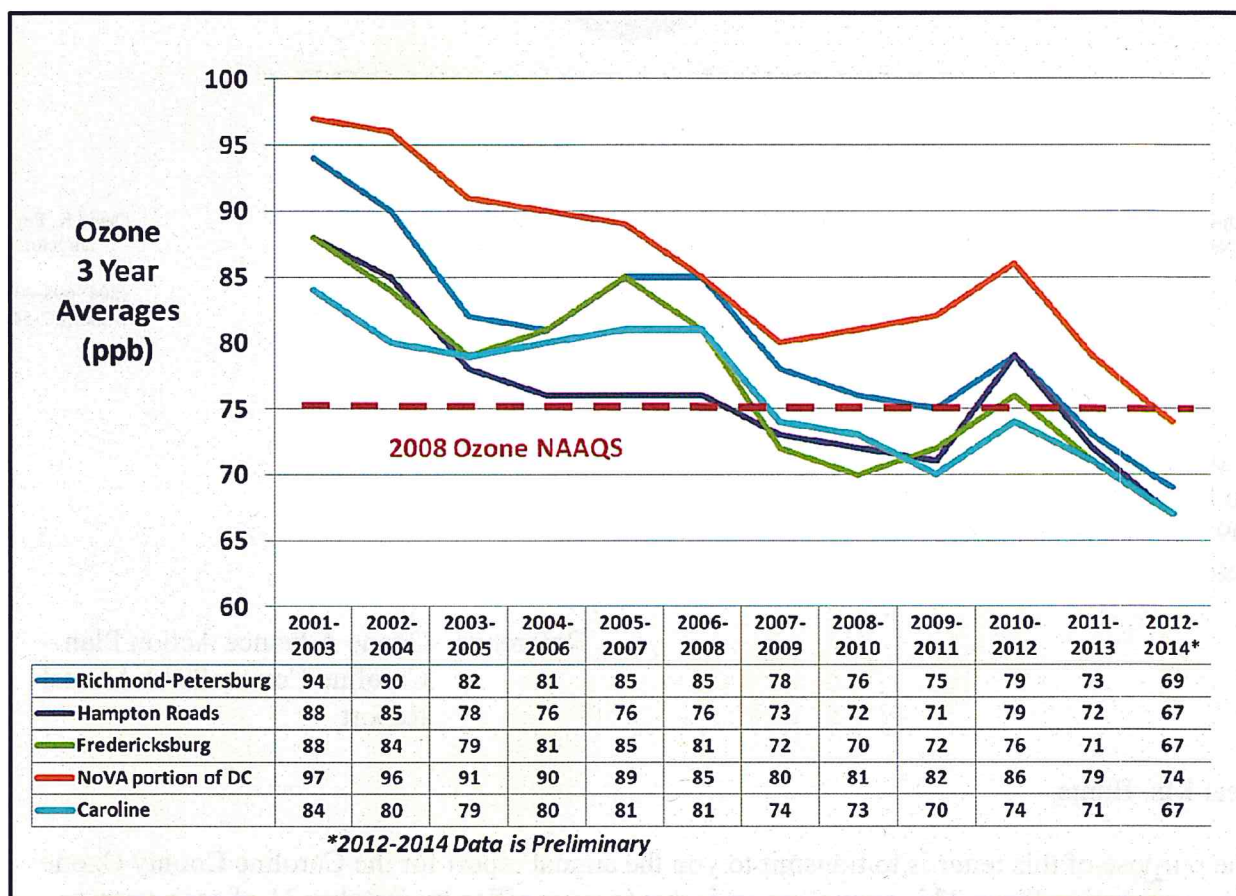
Dear Ms. Bunte,

The purpose of this letter is to transmit to you the annual report for the Caroline County Ozone Advance Action Plan. This annual report is due to your office by October 31 of each year, as mutually agreed upon by EPA and VDEQ staff.

The annual report follows the reporting structure included in the Action Plan listed under Appendix D. Since the structure of Appendix D allows for only a brief overview of each element, several documents and spreadsheets providing in-depth information are included with this letter in electronic format. A table of contents providing a description of these documents is attached to this letter, for your convenience.

This report includes much good news. For instance, Honeywell in Hopewell, Virginia, completed and began operating two new SCR for the reduction of NO_x in December of 2012. These units should reduce annual emissions of NO_x by 2,000 tons or more. Two more SCR units are under construction at that facility. The Invista facility in Waynesboro, Virginia, has begun the use of their new, natural-gas fired boilers. The coal-fired units have been retired, which will reduce emissions by at least 180 tons of NO_x and 560 tons of SO₂ annually, as compared to 2011 actual emissions. Three Dominion-Virginia Power facilities have converted from coal to biomass and one Dominion-Virginia Power facility has switched from coal to natural gas, greatly decreasing their short term and annual emission rates of NO_x.

These efforts and many more have helped to reduce ozone concentrations to beneath the 2008 ozone NAAQS of 75 ppb in these areas of the Commonwealth as shown in the chart below.



The reductions in NO_x from the recently finalized Tier 3 program for cars and light duty trucks and the upcoming NO_x reductions as described in the Ozone Advance Action Plan will further improve ozone air quality in these areas going forward.

If you have any questions on the information in these annual reports or in the information provided electronically, please do not hesitate to call me or Doris McLeod at 804-698-4197.

Sincerely,

Thomas R. Ballou
Director, Air Data Analysis and Planning

Enclosures:

- Caroline County Ozone Advance Action Plan Annual Report
- Table of Contents
- Data disk