



# COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY  
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Secretary of Natural Resources

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October 24, 2016

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 2016 Annual  
Report

Dear Ms. Bunte,

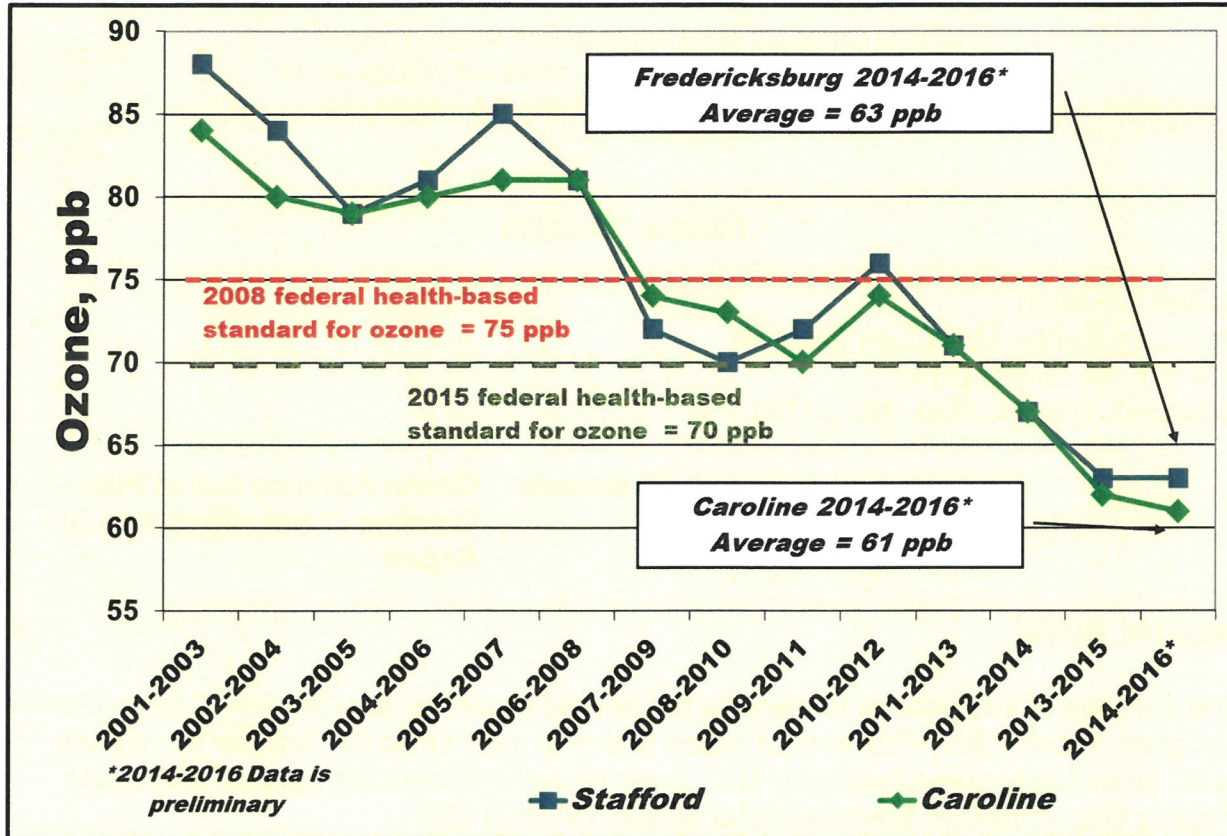
The purpose of this letter is to transmit the annual report for the Caroline County Ozone Advance Action Plan. This annual report is due to your office by October 31 of each year, as mutually agreed upon by U.S. Environmental Protection Agency (EPA) and Virginia Department of Environmental Quality (VDEQ) staff.

The annual report follows the reporting structure included in Appendix D of the Action Plan. 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. Attached to this letter is a table of contents with a description of these documents for your convenience.

The 2016 report continue to show improvements in air quality and progress toward further emission reductions. Industries are reducing emissions by installing new, clean steam generating equipment and by switching fuels. Localities and other organizations are pursuing plans for nontraditional programs that improve quality of life as well as reduce emissions. Vehicles in model year 2017 will emit much less NO<sub>x</sub> than in past years due to the Tier 3 program for cars and light duty trucks. The VDEQ Permit by Rule program for renewable energy sources has issued permits for solar energy facilities with over 500 MW of capacity. These programs will reduce emissions and further improve air quality across Virginia.

These many efforts have helped improve air quality across Virginia, and preliminary data from the summers of 2014 to 2016 demonstrate that ozone concentrations in

Caroline County and the Fredericksburg area are significantly below the 2015 ozone NAAQS of 0.070 ppm (70 ppb).



If you have any questions on the information in this report or 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
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