

Appendix E:

Caroline County Ozone Advance Action Plan

Public Participation Documentation

Appendix E: Public Participation Documentation

Public Outreach

To develop the Ozone Advance Action Plans for the various areas in the Commonwealth of Virginia that might benefit from such a program, VDEQ conducted a significant number of outreach and informational sessions. VDEQ designed these sessions to inform stakeholders and the public of the need for such an Action Plan, to encourage participation in the Action Plan process, and to provide feedback on progress of the Action Plan development. The listing below contains the date, location, and organizations involved in many of these sessions. Public outreach concerning Ozone Advance and ozone air quality in general is ongoing in all parts of the Commonwealth.

| Event Date | Location | Organizations(s) <i>Description</i> |
|------------|--|---|
| 5/9/2012 | Richmond (teleconference) | HRPDC Executive Staff <i>Program and ozone air quality overview</i> |
| 5/11/2012 | Fredericksburg | FAMPO/GWPDC Executive Staff <i>Program and ozone air quality overview</i> |
| 5/17/2012 | Richmond | RAMPO TAC <i>Program and ozone air quality overview</i> |
| 5/21/2012 | Fredericksburg | FAMPO <i>Program and ozone air quality overview</i> |
| 5/25/2012 | Richmond (teleconference) | Fort Lee <i>Program and ozone air quality overview; stakeholder programs</i> |
| 6/1/2012 | Colonial Heights | Tri-Cities TTAC <i>Program and ozone air quality overview</i> |
| 6/6/2012 | Chesapeake | HRTPO TTAC <i>Program and ozone air quality overview</i> |
| 6/7/2012 | Norfolk/APM Terminal | VPA <i>Program and ozone air quality overview; stakeholder programs</i> |
| 6/14/2012 | Petersburg | Tri-Cities Policy Committee <i>Program and ozone air quality overview</i> |
| 6/15/2012 | Richmond | VDMME <i>Program and ozone air quality overview; stakeholder programs</i> |
| 6/21/2012 | Chesapeake | HRTPO <i>Informational brief on Ozone Advance participation provided by HRPDC staff</i> |
| 7/12/2012 | Richmond | RAMPO <i>Program and ozone air quality overview</i> |
| 8/3/2012 | Bowling Green | Caroline County Staff <i>Program and ozone air quality overview; stakeholder programs</i> |
| 8/9/2012 | Petersburg | Crater Policy Committee <i>Air quality overview and program update</i> |
| 9/6/2012 | Richmond/VCU Physical Plant | VCU <i>Program and ozone air quality overview; stakeholder programs</i> |
| 9/11/2012 | Bowling Green | Caroline County Board of Supervisors <i>Program and ozone air quality overview</i> |
| 10/10/2012 | Richmond (teleconference) | URS/Fort A.P. Hill <i>Program and ozone air quality overview</i> |
| 10/25/2012 | Richmond/VDEQ Regional Offices (webinar) | VDEQ Staff Engineers and Inspectors <i>Program and ozone air quality overview; discussion of programs to include; staff training session</i> |

Appendix E: Public Participation Documentation

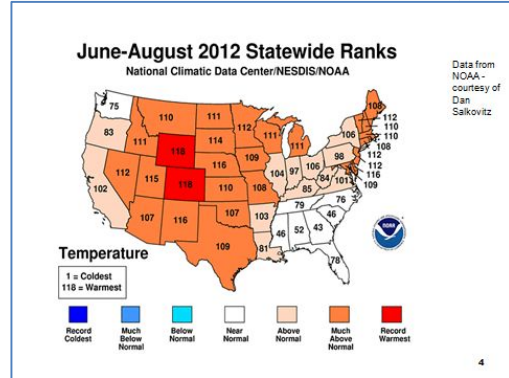
| Event Date | Location | Organizations(s) Description |
|------------|---------------------------|--|
| 10/31/2012 | Richmond (webinar) | VREMS <i>Informational webinar for VREMS members; program and ozone air quality overview; stakeholder programs</i> |
| 11/1/2012 | Richmond | Dominion <i>Program overview; discussion of stakeholder programs and participation</i> |
| 11/5/2012 | Richmond (teleconference) | VDOT <i>Program overview; discussion of stakeholder programs; information exchange on CMAQ projects</i> |
| 11/7/2012 | Richmond | VDMME <i>Program update; discussion of stakeholder programs</i> |
| 11/15/2012 | Richmond | RAMPO TAC <i>Program and ozone air quality overview; progress report</i> |
| 11/29/2012 | Richmond (teleconference) | VCC <i>Program and ozone air quality overview; discussion of stakeholder programs; progress reports</i> |
| 11/30/2012 | Richmond (SAPCB Meeting) | SAPCB <i>Director's report on Ozone Advance Action Plan; progress update</i> |
| 12/4/2013 | Richmond (teleconference) | Fort A.P. Hill <i>Program and ozone air quality update; discussion on stakeholder programs</i> |
| 1/11/2013 | Richmond (teleconference) | VPA <i>Program write up discussion and feedback</i> |
| 1/17/2013 | Richmond | RAMPO TAC <i>Program update</i> |
| 2/6/2013 | Richmond | VDEQ Air Division-Air Conference <i>Program and air quality overview</i> |
| 2/27/2013 | Richmond (teleconference) | EPA <i>Discussion of draft plans; feedback</i> |
| 3/6/3013 | Chesapeake | HRTPO TTAC <i>HRTPO staff provided update on progress.</i> |
| 3/18/2013 | Fredericksburg | FAMPO <i>Update on progress</i> |
| 4/2/2013 | Richmond | Virginia Manufacturer's Association <i>Program and ozone air quality update</i> |
| 4/11/2013 | Petersburg | Crater MPO Policy Committee <i>Update on progress</i> |
| 4/15/2013 | Fredericksburg | FAMPO <i>Update on progress and resolution supporting the plan</i> |
| 5/2/2013 | Richmond | RAMPO <i>Update on progress</i> |
| 7/29/2013 | Richmond (teleconference) | EPA <i>Discussion of inclusion of EE/RE programs and calculations in finalized Action Plans and other potential future SIP revisions.</i> |
| 1/28/2014 | Caroline | Caroline County Board of Supervisors <i>Presentation of final plan, including comments</i> |

Appendix E: Public Participation Documentation

Outreach Materials

Most of the mentioned outreach efforts involved providing a significant amount of data on air quality and programmatic information on the development of Ozone Advance Action Plans to various organizations. Below is an example of a general presentation that had been used as the basis for presentations at several events.

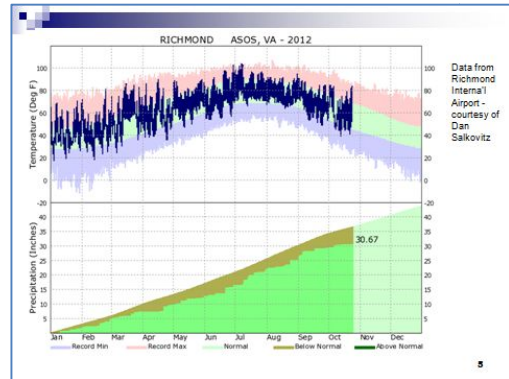
The Summer of 2012 & Ozone Advance



Agenda

- Look back on the summer of 2012
- Questions

- What is Ozone Advance?
- What areas are participating?
- What will the Action Plans contain?
- Questions



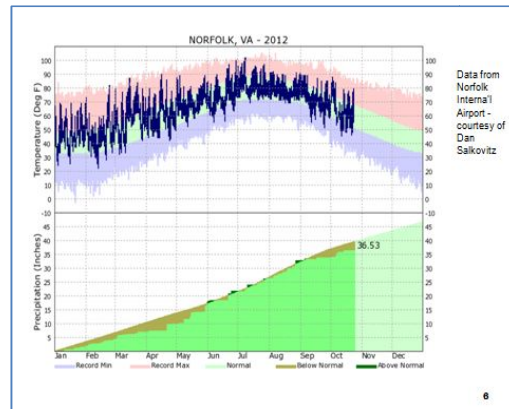
The Summer of 2012-Hot & Dry

- 11 day heat wave from 6/28-7/8 was record setting in a number of ways.
- Plagiarized shamelessly from *The Washington Post* Weather Blog (Posted 01:33 PM ET, 7/9/2012, Ian Livingston and Jason Samenow)
- Various stages of draught watch across much of the Commonwealth

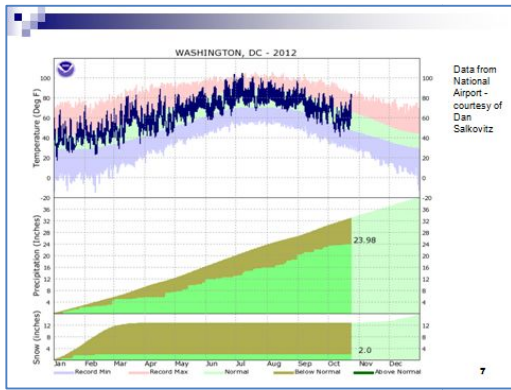
Maximum Straight 95F+ Days at D.C. by Year

| Year | Dates | Avg H | Highest | Days 100+ |
|------|-----------|-------|---------|-----------|
| 2012 | 6/28-7/8 | 99.5 | 105 | 5 |
| 1930 | 7/19-7/29 | 99 | 106 | 6 |
| 2011 | 7/22-8/1 | 97.9 | 104 | 4 |
| 1993 | 7/4-7/14 | 97.4 | 100 | 3 |
| 1988 | 7/7-7/17 | 97.3 | 104 | 4 |
| 1990 | 8/1-8/11 | 97 | 100 | 2 |
| 1953 | 8/25-9/4 | 96.5 | 100 | 2 |
| 1988 | 8/7-8/17 | 96.3 | 103 | 2 |
| 1999 | 7/29-8/2 | 96.2 | 101 | 1 |
| 2002 | 8/10-8/20 | 96.1 | 100 | 1 |

Top 10 Hottest 11-Day Stretches in D.C.



Appendix E: Public Participation Documentation



What is Ozone Advance?

- New EPA program
 - Final guidance published on 4/4/2012
 - Builds off the Early Action Compact and Ozone Flex programs
- Goals:
 - Reduce emissions of ozone precursors so that areas will continue to maintain healthy air quality and comply with the 2008 Ozone NAAQS
 - Make progress towards meeting any future ozone NAAQS
- Area must currently be in attainment of ozone standards to sign up.

10

The Summer of 2012..Air Quality

- Stafford recorded the first exceedence on May 19th!
- A couple days of high transport from the Midwest
- 19 of 23 monitors exceeded on 6/29
- Hampton recorded 101 on 6/29

75 ppb is the current standard!

| Monitor | 4 th Highest, 2012 |
|--------------|-------------------------------|
| Caroline | 76 ppb |
| Stafford | 76 ppb |
| Charles City | 76 ppb |
| Hanover | 76 ppb |
| Henrico | 78 ppb |
| Hampton | 74 ppb |

8

What is Ozone Advance?

- Voluntary program to encourage emission reductions of ozone precursors
 - Regulatory efforts
 - Non-regulatory efforts
 - Public awareness
- Collaborative Effort
 - State agencies (VDOT, VDRPT, VPA, VDEQ, DMME)
 - Local governments
 - Area Stakeholders (Military bases, Industry, Citizen Groups, Others)
- Participants may withdraw from program at any time

11

Questions on 2012 Summertime Data?

Why Participate? Background

- Formation: $VOC + NO_x + \text{Sunlight} = \text{Ozone}$
(volatile organic compounds + oxides of nitrogen + sunlight = ozone)
- Mainly a Summertime Pollutant
- Lung Irritant: Primary Component of Smog
- Heavily regulated by the Clean Air Act (National Ambient Air Quality Standards)
- Affected populations:
 - Children
 - Elderly
 - People with lung diseases
 - Heavy exposure/Outdoor workers



12

Appendix E: Public Participation Documentation

Why Participate? Background

- Areas have historically experienced problems complying with EPA's ozone standards:
 - Richmond-Petersburg
 - Hampton Roads
 - Fredericksburg
 - Northern Virginia
 - Roanoke
- Variety of planning exercises used to bring air quality into compliance
 - Costly
 - Time consuming

13

Participating Areas: Richmond-Petersburg

1997 Ozone NAAQS Maintenance Area

- Chesterfield
- Henrico
- Hanover
- Charles City
- Prince George
- Hopewell
- Colonial Heights
- Petersburg
- Prince George
- Richmond

Monitoring Locations

16

Why Participate? More Background

- 2008 standard: 0.075 ppm (75 ppb) over 8-hour average
 - All areas designated attainment for the 2008 ozone NAAQS, except Northern VA
- Action Plans will help areas to:
 - Maintain good air quality,
 - Improve air quality if it degrades
 - Begin process for compliance with new standard (due early 2014)

14

Participating Areas: Fredericksburg and Caroline

1997 Ozone NAAQS Maintenance Area

- Fredericksburg
- Spotsylvania
- Stafford

Monitoring Locations

17

Participating Areas: Hampton Roads

1997 Ozone NAAQS Maintenance Area

- Gloucester
- Isle of Wight
- James City
- York
- Chesapeake
- Hampton
- Newport News
- Norfolk
- Poquoson
- Portsmouth
- Suffolk
- Virginia Beach
- Williamsburg

Monitoring Locations

15

Why Participate? Ozone 3-Year Averages

18

Appendix E: Public Participation Documentation

From EPA's Ozone Advance Guidance dated 4-4-12:

*...Should a violation occur, EPA would consider the factors in §107(d)(3)(A) of the Act. These include "air quality data, planning and control considerations, or any other air quality-related considerations the Administrator deems appropriate." Where control measures are actively being implemented by program participants, EPA **may** allow time to determine whether such measures bring the area back into attainment...*

19

Who Should Be Involved?

- State Agencies
 - VDEQ-data analysis, plan drafting, air quality programs
 - VDOT-CMAQ programs and information
 - VDRPT & VPA-Air quality improvement plans
 - DMME-Energy Efficiency programs
- Localities & MPOs
 - Information on current programs, both voluntary and mandatory
 - Consideration of and implementation of any new programs
 - Citizen outreach
- Other Stakeholders
 - Electrical generation industry
 - Industry
 - Military bases/federal facilities
 - Educational facilities
 - Public
 - Anyone willing to help out

22

Why Participate?

- Avoid Nonattainment Designations:
 - Impact on citizens-healthy air quality
 - Economic development, federal facilities/military, transportation
- Ozone Advance Action Plans can:
 - Proactively work towards cleaner air
 - Provide a framework for meeting future standards
 - Allow owners additional consideration for federal DERA grants
 - Allows EPA to provide additional time for areas not complying to improve air quality

20

What do the Proposed Action Plans Contain?

- Summary/Intro/Background
 - Geographic area
 - Current air quality data
 - Current emissions estimates
 - Air quality future year modeling estimates
- Description of current and future measures
 - Detail on each measure
 - Stakeholder responsible for measure
 - Timeline for each measure
- Implementation timeline for action plan
- Stakeholder/public participation

23

Ozone Advance Timeline

| | |
|----------------|---|
| April 5, 2012 | Ozone Advance guidance finalized |
| April 30, 2012 | Area designated attainment for the 2008 ozone standard |
| June 4, 2012 | DEQ submitted letter notifying EPA of area's intent to participate in Ozone Advance |
| Jan-Feb 2013 | Ozone Advance Action Plan drafts ready for review |
| March 2013 | Ozone Advance Action Plan public notice period |
| Apr-May 2013 | Final Action Plans sent to EPA |
| June 2014-2019 | Annual Action Plan updates submitted by DEQ to EPA |

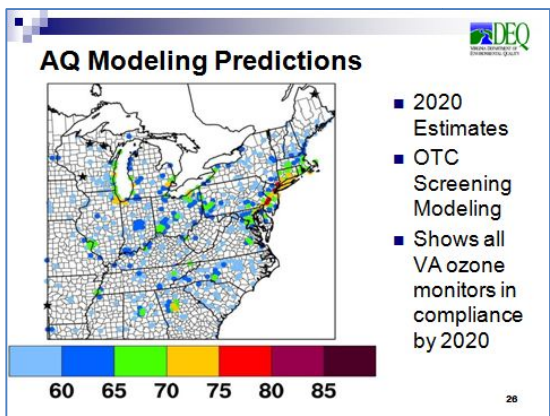
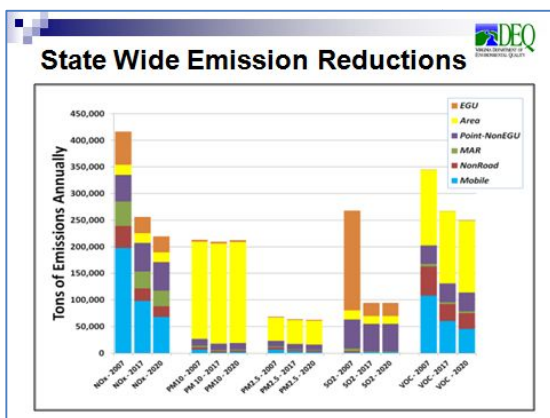
21

Stakeholders & Programs

| Stakeholders | Programs Included |
|--|---|
| <ul style="list-style-type: none"> • MPO's, Caroline • VDEQ, VDOT, VDMME, VPA • Fort A. P. Hill, Fort Lee • Dominion • Virginia Clean Cities • VCU | <ul style="list-style-type: none"> • Travel demand/congestion mitigation • On-road & non-road retrofit programs • VA Energy Management/Energize Virginia • VA Get Ready (electric vehicles); Autogas efforts; • EGU fuel switches/retirements • Point source permitted actions • Sustainability efforts • VPA: barge efforts, other programs • Regional reductions |

24

Appendix E: Public Participation Documentation



Questions on Ozone Advance?

DEQ
Division of Environmental Quality

Appendix E: Public Participation Documentation

Public Comment Period and Hearing

Once the Ozone Advance Action Plan was drafted, and material had been reviewed by all stakeholders, the draft Plan was provided to the public for comment for a 30 day period. Additionally, for each plan VDEQ held a public hearing at a location within the Action Plan area so that the public had the option to voice their comments, suggestions, and concerns.

Below is the Ozone Advance Action Plan public notice for this area. This notice was placed in the "Virginia Register." It was also advertised through the Virginia e-Townhall email distribution list. The proposed plan and appendices were available to the public during this period on the VDEQ website.

During the comment period and public hearing, VDEQ did not receive any comments, either oral or written, on the Ozone Advance Action Plan for Caroline County.

Appendix E: Public Participation Documentation

DEPARTMENT OF ENVIRONMENTAL QUALITY Public Notice – Air Quality Plan

Notice of action: The Department of Environmental Quality (DEQ) is seeking comments and announcing a public hearing on a proposed plan to promote continued compliance with the national ambient air quality standard (NAAQS) for ozone in Caroline County. This Ozone Advance Action Plan is a plan developed by the Commonwealth in order to meet its overall clean air goals under the federal Clean Air Act by attaining and maintaining the ambient air quality standards promulgated by the U.S. Environmental Protection Agency (EPA) under the Act.

Purpose of notice: DEQ is seeking comments on the overall plan.

Public comment period: September 23 to October 23, 2013.

Public hearing: October 22, 2013, at 2:30 pm in Conference Room A, Virginia Department of Environmental Quality, 629 East Main Street, Richmond, Virginia, 23218.

Description of proposal: On May 21, 2012, EPA designated Caroline County as attainment for the 2008 ozone national ambient air quality standard (NAAQS). To help ensure continued clean air, county leaders have worked cooperatively with DEQ and a number of stakeholders to create the plan, which details the numerous clean air programs that are in place and will be implemented to reduce substances that contribute to the formation of ozone. Air quality in the area will continue to improve through the implementation of these programs. Major stakeholders in this process include Caroline County, FAMPO; Virginia Department of Mines, Minerals, and Energy; Virginia Department of Transportation; Fort A.P. Hill; Dominion Virginia Power; Virginia Clean Cities Coalition; and GWRideConnect. Actions taken as part of the plan, and various upwind reductions of ozone and particulate matter, will continue to improve air quality well into the future.

Federal information: This notice is being given to provide the general public with the opportunity to provide input on the plan. Ozone Advance Action Plans are voluntary plans developed in cooperation with EPA and are intended to enable the Commonwealth to meet its general federal requirement to attain and maintain the NAAQS; however, there is no mandatory requirement for this type of plan to undergo public comment.

How to comment: DEQ accepts written comments by email, fax, and postal mail. In order to be considered, comments must include the full name, address, and telephone number of the person commenting and be received by DEQ no later than the last day of the comment period. DEQ prefers that comments be provided in writing, along with any supporting information. Comments on the plan must be submitted to Doris A. McLeod, Air Quality Planner, Office of Air Data Analysis and Planning, Department of Environmental Quality, 629 E. Main St, PO Box 1105, Richmond, Virginia 23218 (phone 804-698-4197, fax 804-698-4510, email doris.mcleod@deq.virginia.gov). All materials received are part of the public record.

To review the proposal: The proposal and any supporting documents are available on the DEQ Air Public Notices for Plans web site

Appendix E: Public Participation Documentation

(<http://www.deq.state.va.us/Programs/Air/PublicNotices/airplansandprograms.aspx>). The documents may also be obtained by contacting the DEQ representative named above. The public may review the documents between 8:30 am and 4:30 pm of each business day until the close of the public comment period at the following DEQ locations: 1) Main Street Office, 8th Floor, 629 E. Main St, Richmond VA, 804-698-4070 and 2) Northern Regional Office, 13901 Crown Court, Woodbridge VA, 703-583-3800.

TEMPLATES\SIP-PLAN\PP02N-PH
SIP\Ozone Advance\Caroline County\CC-NOTICE.DOC