

**COMMONWEALTH OF VIRGINIA  
STATE AIR POLLUTION CONTROL BOARD**

**OZONE ADVANCE ACTION PLAN  
HAMPTON ROADS, VIRGINIA**

**Appendix E: Public Participation Documentation**

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### 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>

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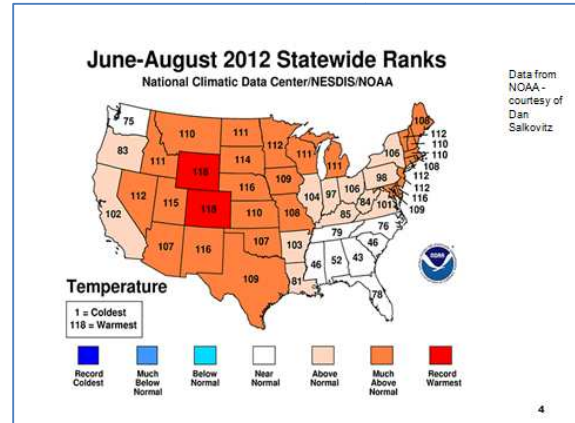
Event Date	Location	Organizations(s) Description
10/31/2012	Richmond (webinar)	VREMS <i>Informational webinar for VREMS members; program and ozone air quality overview; stakeholder programs</i>
11/1/2012	Richmond	Dominion <i>Program overview; discussion of stakeholder programs and participation</i>
11/5/2012	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</i>
5/2/2013 (scheduled)	Richmond	RAMPO <i>Update on progress</i>

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## 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**

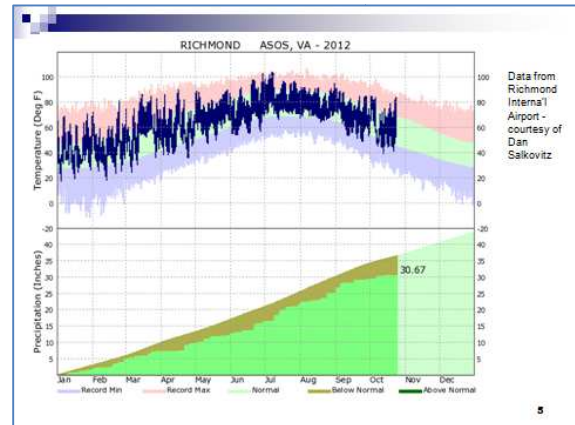


**Agenda**

- Look back on the summer of 2012
- Questions

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

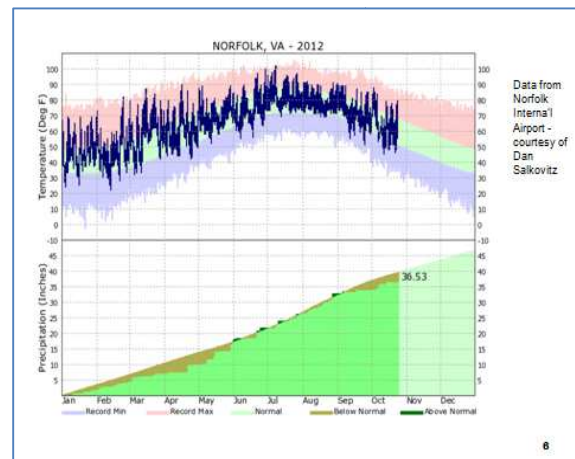


**The Summer of 2012-Hot & Dry**

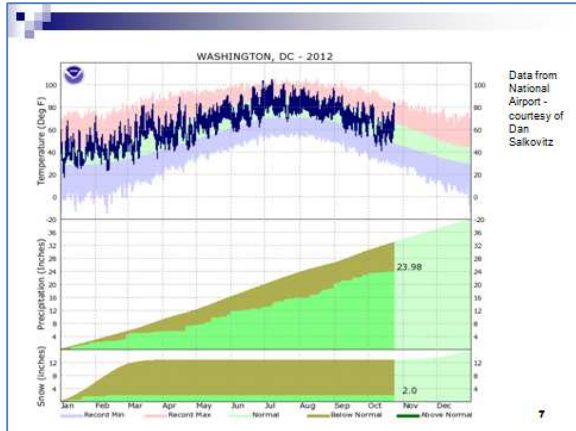
- 11 day heat wave from 6/28-7/8 was record setting in a number of ways.
- Plagiarized shamelessly from *The Washington Post* Weather Blog (Posted 01:33 PM ET, 7/9/2012, Ian Livingston and Jason Samenow)
- Various stages of drought watch across much of the Commonwealth

Year	Dates	Avg Ht	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
1980	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	7/23-8/2	96.2	101	1
2002	8/19-8/29	96.1	100	1

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



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## 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.

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## The Summer of 2012..Air Quality

- Stafford recorded the first exceedence on May 19<sup>th</sup>
- 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 <sup>th</sup> Highest, 2012
Caroline	76 ppb
Stafford	76 ppb
Charles City	76 ppb
Hanover	76 ppb
Henrico	78 ppb
Hampton	74 ppb

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## 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

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## 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

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## 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

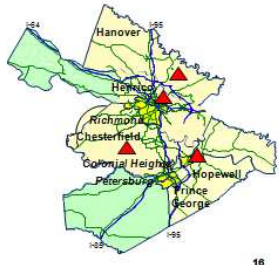
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## Participating Areas: Richmond-Petersburg

**1997 Ozone NAAQS Maintenance Area**

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

**Monitoring Locations**



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## 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)

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## Participating Areas: Fredericksburg and Caroline

**1997 Ozone NAAQS Maintenance Area**

- Fredericksburg
- Spotsylvania
- Stafford

**Monitoring Locations**




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## Participating Areas: Hampton Roads

**1997 Ozone NAAQS Maintenance Area**

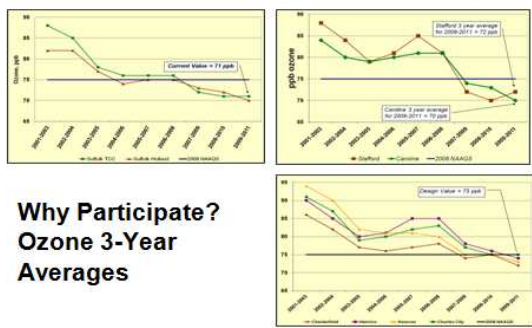
- Gloucester
- Isle of Wight
- James City
- York
- Chesapeake
- Hampton
- Newport News
- Norfolk
- Poquoson
- Portsmouth
- Suffolk
- Virginia Beach
- Williamsburg

**Monitoring Locations**



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## Why Participate? Ozone 3-Year Averages



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## 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...

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## 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

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## 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

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## 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

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## 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

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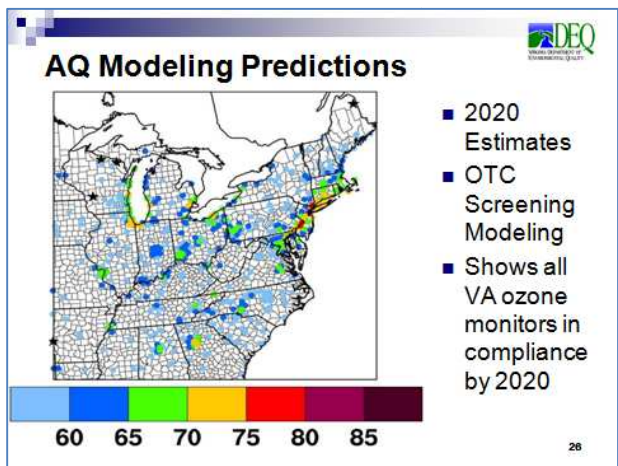
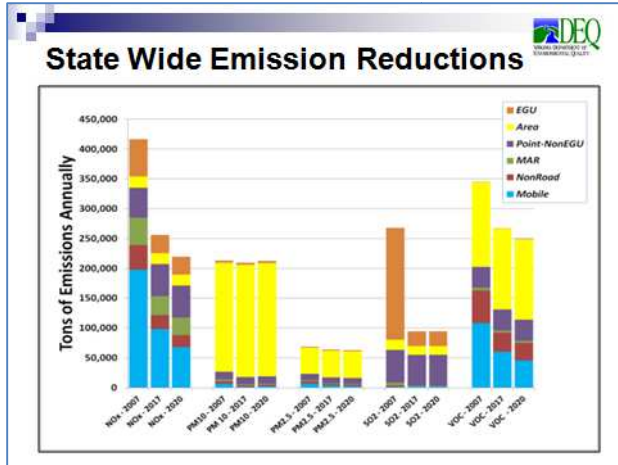
## Stakeholders & Programs

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

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# Appendix E: Public Participation Documentation



## Questions on Ozone Advance?

## **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, VDEQ received one written comment from the Virginia Manufacturer's Association in support of the Ozone Advance efforts. That comment letter is included below. No other comments, either written or oral, were received.

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### **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 the Hampton Roads Maintenance Area. This Ozone 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: March 11, 2013 to April 10, 2013.**

**Public hearing:** Tuesday, April 9, 2013, at 10:00 am in Conference Rooms 1/2, at 5636 Southern Boulevard, Virginia Beach, Virginia 23462 (VDEQ Tidewater Regional Office).

**Description of proposal:** This Ozone Advance Action Plan covers the Hampton Roads Ozone National Ambient Air Quality Standards (NAAQS) Maintenance Area, consisting of the counties of Gloucester, Isle of Wight, James City, and York and the cities of Chesapeake, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg. On May 21, 2012, EPA designated this area as attainment/maintenance for the 2008 ozone NAAQS. To help ensure continued clean air, the leaders from these jurisdictions 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 the Hampton Roads Transportation Planning Organization; Virginia Department of Mines, Minerals, and Energy; Virginia Department of Transportation; Virginia Port Authority; Dominion Virginia Power; Virginia Clean Cities Coalition; and Hampton Roads TRAFFIX. 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 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,

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Virginia 23218 (phone 804-698-4197, fax 804-698-4510, email [doris.mcleod@deq.virginia.gov](mailto: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 (<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) Tidewater Regional Office, 5636 Southern Boulevard, Virginia Beach, VA, (757) 518-2000.

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April 8, 2013

**BY ELECTRONIC MAIL AND U.S. MAIL**

Doris A. McLeod  
Office of Air Data Analysis and Planning  
Department of Environmental Quality  
P.O. Box 1105  
Richmond, VA 23218

Re: Comments on Ozone Advance Action Plans

Dear Ms. McLeod:

On behalf of the members of the Virginia Manufacturers Association (VMA), I am submitting the following comments on the Department of Environmental Quality's proposed Ozone Advance Action Plans for the Richmond-Petersburg Maintenance Area, the Hampton Roads Maintenance Area, and the Fredericksburg Maintenance Area. We understand these Ozone Advance Action Plans are voluntary plans intended to enable Virginia to meet the federal requirement to attain and maintain the National Ambient Air Quality Standard (NAAQS) for ozone. We also understand these Plans were developed by DEQ in cooperation with EPA and several local stakeholders in the directly affected communities.

VMA and its member companies strongly support DEQ's efforts to achieve and maintain the NAAQS for ozone throughout the Commonwealth. We believe DEQ's proposed Ozone Advance Action Plans will contribute significantly to those efforts. Consequently, VMA strongly supports the proposed Plans. We believe the Plans set out a cost-effective path toward attaining and maintaining compliance with the ozone NAAQS. The Plans outline several measures to reduce pollutant precursors to ozone formation that are already underway in the Commonwealth, including some efforts by VMA member companies, *e.g.*, Dominion Virginia Power.

VMA and its member companies will continue to support DEQ in cost-effective efforts, such as the Ozone Advance Action Plans, designed to improve and maintain good air quality throughout the Commonwealth. If we can be of any help to DEQ in those efforts, please do not hesitate to call upon us.

Sincerely,

Alice B. Scott  
Vice President  
Virginia Manufacturers Association