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Public Notice Report

For Supplement to the  
Redesignation Demonstration and Maintenance Plan for the  
Hickory and Greensboro/Winston-Salem/High Point  
Annual PM<sub>2.5</sub> Nonattainment Area

On November 15, 2010, a draft version of the North Carolina supplement to the redesignation demonstration and maintenance plan for the Hickory and Greensboro/Winston-Salem/High Point (referred to as the Triad area) annual fine particulate matter (PM<sub>2.5</sub>) nonattainment areas was submitted to the U. S. Environmental Protection Agency (USEPA). A request for public hearing, in accordance with 40 CFR 51.102, and the public comment period were noticed in the local newspapers on Wednesday, November 17, 2010. The public comment period was open from November 17, 2010, through December 17, 2010. No request for public hearing was received and the public comment period elicited comments from the USEPA.

Background

The Hickory and Triad areas North Carolina, located in Catawba, Davidson, and Guilford counties, was designated nonattainment for the annual PM<sub>2.5</sub> National Ambient Air Quality Standard (NAAQS) on January 5, 2005 (70 Federal Register 944) and became effective on April 1, 2005. The nonattainment designation was an action taken by the USEPA under Section 107(d) of the Clean Air Act (CAA). The CAA requires that some area be designated as nonattainment if a monitor is found to be in violation of the NAAQS. The USEPA took designation action in 2005 based on the ambient data from 2001-2003. At that time, the design values for the Hickory and Triad nonattainment areas were 15.6 µg/m<sup>3</sup> and 15.9 µg/m<sup>3</sup>, respectively.

All violating monitors were attaining the annual PM<sub>2.5</sub> standard with the inclusion of the 2008 ambient data. The 2006-2008 design values for the Hickory and Triad nonattainment areas are 14.2 µg/m<sup>3</sup> and 14.5 µg/m<sup>3</sup>, respectively. Both areas continue to attain the daily PM<sub>2.5</sub> standard. Therefore, the Hickory and Triad PM<sub>2.5</sub> nonattainment areas are in attainment of the annual PM<sub>2.5</sub> NAAQS and eligible to be considered for redesignation to attainment. The North Carolina Division of Air Quality (NCDAQ) submitted a redesignation demonstration and maintenance plan for the Hickory and Triad PM<sub>2.5</sub> nonattainment areas on December 18, 2009.

In March 2010, the USEPA announced in the Federal Register (FR) that the new mobile model, Motor Vehicle Emission Simulator (MOVES), was required for State Implementation Plan purposes and would be required for transportation conformity purposes starting March 2012 (40 FR 9411). The NCDAQ committed to the transportation partners to revise the motor vehicle emission budgets using the MOVES model. This supplement revises the on-road mobile source emissions used in the maintenance plan and the motor vehicle emission budgets which will be used for transportation conformity purposes.

### Summary of Public Notice and Comment Period

The public comment period was open from November 17, 2010 through December 17, 2010. The only comments received were from the USEPA, which are attached following this report along with the NCDAQ's response to comments. Both comments received from the USEPA were not on the mobile source emissions, but rather information in the original plan submitted December 2009. The first comment will be addressed in a separate errata document while the second was a suggestion to move a rule reference from one section to another. Both comments were minor and did not impact the supplemental information being provided. The NCDAQ believes it has adequately addressed the concern in the response to comments letter.

### Conclusions

The NCDAQ believes it has adequately addressed the USEPA's comments. The NCDAQ will be moving forward with the final submittal to the USEPA of the North Carolina supplement to the redesignation demonstration and maintenance plan for the Hickory and Greensboro/Winston-Salem/High Point annual PM<sub>2.5</sub> nonattainment areas.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET  
ATLANTA, GEORGIA 30303-8960

December 17, 2010

Sheila Holman, Director  
Division of Air Quality  
North Carolina Department of  
Environment and Natural Resources  
1641 Mail Service Center  
Raleigh, North Carolina 27699-1641

Dear Ms. Holman:

Thank you for your letter dated November 15, 2010, transmitting a prehearing package regarding a Supplement to the Redesignation and Maintenance Plan for the Hickory and Greensboro/Winston-Salem/High Point, North Carolina annual PM<sub>2.5</sub> Nonattainment Areas originally submitted on December 18, 2009. These state implementation plan revisions are the subject of a public comment period which began on November 17, 2010, with written comments due by the close of business on December 17, 2010. We have completed our review of the prehearing submittal and offer suggested clarifications in the enclosure.

We look forward to continuing to work with you and your staff. If you have any questions, please contact Ms. Lynorae Benjamin, Chief, Regulatory Development Section at (404) 562-9040, or have your staff contact Royce Dansby-Sparks at (404) 562-9187.

Sincerely,

Richard A. Schutt  
Chief  
Air Planning Branch

Enclosure

Internet Address (URL) • <http://www.epa.gov>

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**Hickory-Triad Annual Fine Particulate Matter (PM<sub>2.5</sub>)  
Redesignation Prehearing Supplement  
November 17, 2010**

**State Implementation Plan (SIP) Narrative** -The following comments are suggested clarifications to the submittal package.

1. The annual sulfur dioxide emission for Catawba County for 2008 in Table 3-5 is 10,978 tons per year (tpy) while Table 2-5 shows emissions of 6,174 tpy for the Marshall Steam Power plant in 2008 in Catabwa County. The Marshall Plant provides basically all emissions in this county in 2002 as presented in the attainment SIP for the Triad area. Please explain the difference between the two emissions estimates in the two tables and make the appropriate corrections to the point source inventory documentation.
2. Significant reductions in PM<sub>2.5</sub> and the specific precursors are expected and achieved through the open burning ban regulation. (See Table 3-3, page 3-8) It appears that, in the Triad area, reductions of 1,774 tpy are expected in 2021. This is larger than many point source control reductions and larger than the total emissions for the Triad area in Table 3-9. While the regulation is permanent and enforceable, the state acknowledges its limited effectiveness. Based on the discussion in Appendix C.2, pages 11-13, North Carolina Department of Air Quality (NC DAQ) is projecting future reductions based on a public awareness campaign. In light of this, EPA feels that NC DAQ should consider moving the Open Burning control measure from Section 3.2.2 – *State Control Measures* to Section 3.2.3 – *Additional Programs Supporting Maintenance*.



North Carolina Department of Environment and Natural Resources

Division of Air Quality

Sheila C. Holman

Director

Beverly Eaves Perdue  
Governor

Dee Freeman  
Secretary

December 22, 2010

Richard A. Schutt  
Air Planning Branch, Chief  
USEPA Region 4  
Atlanta Federal Center  
61 Forsyth Street, SW  
Atlanta, GA 30303-8960

Dear Mr. Schutt:

Thank you for your letter dated December 17, 2010, transmitting the United States Environmental Protection Agency (USEPA) Region 4's comments on the pre-hearing draft Supplement to the Redesignation Demonstration and Maintenance Plan for the Hickory and Greensboro/Winston-Salem/High Point, North Carolina annual PM<sub>2.5</sub> Nonattainment Area. This letter is to provide the North Carolina Division of Air Quality's (NCDAQ's) response to those comments.

The first comment asked that NCDAQ explain why the 2008 point source sulfur dioxide (SO<sub>2</sub>) emissions in Table 3-5 for Catawba County were 10, 978 tons per year while the Table 2-5 shows 2008 SO<sub>2</sub> emissions of 6,174 tons per year for Marshall Steam Plant, the largest source in Catawba County. The difference is due to the NCDAQ not having the official 2008 emissions inventory available at the time the original plan was developed and submitted, so for Table 3-5 the Clean Smokestacks Act implementation plan was used to estimate the emissions from this source, whereas the emissions from Table 2-5 were draft preliminary data from the USEPA's Clean Air Markets Division. Although the point source emissions were not part of the Supplemental package, the NCDAQ will make a correction to the Catawba County SO<sub>2</sub> point source emissions reflecting the actual 2008 emissions as part of an errata package.

The second comment suggested that the NCDAQ move the open burning control measures from Section 3.2.2 – State Control Measures to Section 3.2.3 – Additional Programs Supporting Maintenance, since the projecting future reductions are based on a public awareness campaign. Although this comment is out the scope of the supplemental package, the NCDAQ believes that the open burning rules are properly listed under the State Control Measures since the rule is permanent and enforceable.

Thank you for your review of the pre-hearing draft. We look forward to working with the USEPA Region 4 during your review of the final Supplemental submittal for this area. If you should have any questions, please contact Laura Boothe of my staff at (919) 733-1488 or [laura.boothe@ncdenr.gov](mailto:laura.boothe@ncdenr.gov).

Sincerely,

Sheila C. Holman

SCH/lab

cc: Michael Abraczinskas  
Laura Boothe  
Lynorae Benjamin

1641 Mail Service Center, Raleigh, North Carolina 27699-1641  
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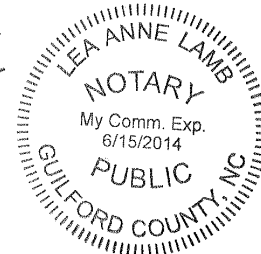
1. That he/she is the Publisher's Representative of the Greensboro News & Record, Inc. a corporation, engaged in the publication of newspapers known as "News & Record", published, issued and entered as second class mail in the City of Greensboro in said County and State.
2. That he/she is authorized to make this affidavit and sworn statement; that the notice or other legal advertisement, a copy of which is attached hereto, was published in the News & Record on the dates listed below.
3. That the said newspaper (or newspapers) in which such notice, paper, document, or legal advertisement was published was, at the time of each and every such publication, a newspaper meeting all of the requirements and qualifications of Section 1-597 of the General Statutes of North Carolina and was a qualified newspaper within the meaning of Section 1-597 of the General Statutes of North Carolina.

Publisher's Representative *Joseph Smith*

Sworn to and subscribed before me, this 19 day of November, 2010

*Lea Anne Lamb*

Notary Public



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DIVISION OF AIR QUALITY	34060788	11/17/10	News & Record	400	public notic	NORTH CAROLINA DEPARTMENT OF ENVIR



**NORTH CAROLINA DEPARTMENT  
OF ENVIRONMENT & NATURAL  
RESOURCES  
PUBLIC NOTICE**

**PURPOSE:** The North Carolina Department of Environment and Natural Resources, Division of Air Quality (NCDAQ), hereby gives notice regarding its Pre-Hearing Draft Supplement to the Redesignation Demonstration and Maintenance Plan for the Hickory (Catawba County) and Greensboro/Winston-Salem/High Point (Davidson and Guilford Counties) Fine Particulate Matter Nonattainment Areas dated November 15, 2010. Persons wishing to submit written comments or request a public hearing regarding the "PM2.5 Supplemental Package" are invited to do so.

**COMMENT PROCEDURES:** Any person wishing to comment may submit a written statement for inclusion in the record of proceedings regarding the Supplemental Package. Written comments should be postmarked no later than December 17, 2010 and addressed to Laura Boothe, Division of Air Quality, 1641 Mail Service Center, Raleigh, North Carolina 27699-1641.

**REQUESTS FOR A PUBLIC HEARING:** Requests for a public hearing must be in writing and include a statement supporting the need for such a hearing, an indication of your interest in the subject, and a brief summary of the information intended to be offered at such hearing. A public hearing will be scheduled if requested. A separate notice will be published for the hearing including the date, time and location. Written requests for a public hearing should be postmarked no later than December 17, 2010 and addressed to Laura Boothe, Division of Air Quality, 1641 Mail Service Center, Raleigh, North Carolina 27699-1641.

**INFORMATION:** Copies of the Supplemental Package may be downloaded at [http://www.ncair.org/planning/nc\\_sip.shtml](http://www.ncair.org/planning/nc_sip.shtml) or by contacting:

Laura Boothe  
Division of Air Quality  
1641 Mail Service Center  
Raleigh, NC 27699-1641  
Phone: (919) 733-1488  
Fax: (919) 715-7476  
daq.publiccomments@ncmail.net  
(Note: In the subject line type "PM2.5 Supplemental Package")

The Supplemental Package may be reviewed at the office of the North Carolina Department of Environment and Natural Resources, Division of Air Quality, located in:

Raleigh Central Office, Planning Section  
919-733-1115  
Mooreville Regional Office  
704-663-1699  
Winston-Salem Regional Office  
336-771-5000

The Supplemental Package may also be reviewed at the office of the Western Piedmont Council of Governments 828-322-9191

Date 11/10/11  
Sheila C. Holman, Director

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# Hickory Daily Record

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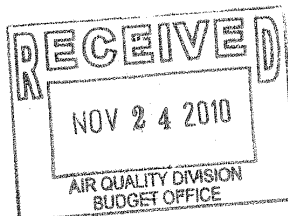
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## NORTH CAROLINA DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES PUBLIC NOTICE

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Division of Air Quality  
1641 Mail Service Center  
Raleigh, NC 27699-1641  
Phone: (919) 733-1488  
Fax: (919) 715-7476  
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(Note: In the subject line type "PM2.5 Supplemental Package")

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919-733-1115  
Mooresville Regional Office 704-663-1699  
Winston-Salem Regional Office 336-771-5000  
The Supplemental Package may also be reviewed at the office of the Western Piedmont Council of Governments 828-322-9191  
Date: 11-10-11  
Sheila C. Holman, Director  
**PUBLISH: November 17, 2010**

Media General Operations, Inc.

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Hickory Daily Record

Catawba County

Before the undersigned, a Notary Public of Catawba County, North Carolina, duly commissioned, qualified, and authorized by law to administer oaths, in said County and State; that he/she is authorized to make this affidavit and sworn statement; that the notice or other legal advertisement, a copy of which is attached hereto, was published in the Hickory Daily Record on the following dates:

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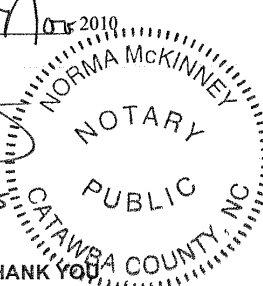
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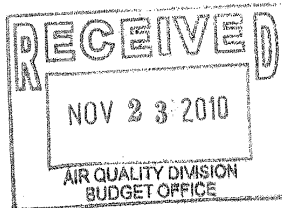
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Date

November 17, 2010

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**PUBLIC NOTICE**

**NORTH CAROLINA DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES**

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Mooreville Regional Office.....704-663-1699  
Winston-Salem Regional Office.....336-771-5000

The Supplemental Package may also be reviewed at the office of the Western Piedmont Council of Governments.....828-322-9191

Date: 11/10/10 Sheila C. Holman, Director

WSJ: November 17 2010

**Media General Operations, Inc.**

**Publisher of the  
Winston-Salem Journal  
Forsyth County**

Before the undersigned, a Notary Public of Forsyth County, North Carolina, duly commissioned, qualified, and authorized by law to administer oaths, personally appeared S.A. Bragman, who by being duly sworn deposes and says: that she is the Assistant Controller of the Winston-Salem Journal, engaged in the publishing of a newspaper known as Winston-Salem Journal, published, issued and entered as second class mail in the City of Winston-Salem, in said County and State: that she is authorized to make this affidavit and sworn statement: that the notice or other legal advertisement, a true copy of which is attached hereto, was published in the Winston-Salem Journal on the following dates:

11/17/2010

and that the said newspaper in which such notice, paper document, or legal advertisement was published was, at the time of each and every such publication, a newspaper meeting all the requirements and qualifications of Section 1-597 of the General Statutes of North Carolina and was a qualified newspaper within the meaning of Section 1-597 of the General Statutes of North Carolina.

This 17th day of November, 2010

(signature of person making affidavit)

Sworn to and subscribed before me, this 17th day of November, 2010

My Commission expires

*Sept. 28, 2015*

KIMALEY JOHNSON  
NOTARY PUBLIC  
FORSYTH COUNTY  
STATE OF NORTH CAROLINA  
MY COMMISSION EXPIRES 9-28-2015

**THIS IS NOT A BILL. PLEASE PAY FROM INVOICE. THANK YOU**