



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

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MICHAEL ABRACZINSKAS
Director

July 25, 2018

Trey Glenn, Regional Administrator
USEPA Region 4
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303-8960

Subject: Final Submittal of Revisions to North Carolina's Air Quality Rules and State Implementation Plan (SIP) for Revising the Vehicle Model Year Coverage for 22 Counties Subject to North Carolina's Motor Vehicle Emissions Inspection and Maintenance (I&M) Program

Dear Mr. Glenn:

I am pleased to submit this final package containing proposed revisions to North Carolina's (1) motor vehicle I&M air quality rules in 15A North Carolina Administrative Code (NCAC) Subchapter 02D, Section .1000, *Motor Vehicle Emission Control Standard*, (2) I&M SIP, and (3) Maintenance Plan for the Charlotte-Gastonia-Salisbury, North Carolina 2008 8-Hour Ozone Marginal Nonattainment Area for changing the vehicle model year coverage for 22 counties subject to North Carolina's I&M program. This submittal also includes a Clean Air Act (CAA) Section 110(l) Noninterference Demonstration supporting the proposed revisions to the I&M program. Enclosed is one hard copy of the complete package and an exact duplicate electronic copy on compact disk. The package also includes the on-road Motor Vehicle Emission Simulator (MOVES2014) model input and output electronic files on compact disk.

With this submittal, I am requesting U.S. Environmental Protection Agency (EPA) approval of proposed revisions to North Carolina's motor vehicle I&M program per Session Law 2017-10, Section 3.5(b). The North Carolina General Assembly enacted Session Law 2017-10, Senate Bill 131 (An Act to Provide Further Regulatory Relief to the Citizens of North Carolina) which revised the state's I&M program. Section 3.5(b) of the Act amended North Carolina General Statute 20-183.2(b) by proposing to change the vehicle model year coverage for 22 counties subject to the I&M program to (i) a vehicle with a model year within 20 years of the current year and older than the three most recent model years, or (ii) a vehicle with a model year within 20 years of the current year and has 70,000 miles or more on its odometer. Previously, the program applied to (i) a 1996 or later model year vehicle and older than the three most recent model years, or (ii) a 1996 or later model year vehicle and has 70,000 miles or more on its odometer. The I&M program change will increase emissions of nitrogen oxides (NO_x), volatile organic compounds (VOC), and carbon monoxide (CO) by small amounts in the 22 counties for which revisions to the vehicle model year coverage is proposed. Thus, a SIP revision is being submitted to your



office to demonstrate that air quality would be maintained and that the SIP complies with the requirements of Section 110(1) of the CAA, as amended.

The following provides additional details regarding the items included in this package. Attachment 1 to this letter identifies the name of the electronic file containing each item.

Part 1. Proposed Rule Revisions to 15A NCAC Subchapter 02D, Section .1000, Motor Vehicle Emission Control Standard

The North Carolina Division of Air Quality (DAQ) issued a public notice announcement on December 15, 2017, indicating its intentions to revise 15A NCAC 02D .1002, *Applicability*, pursuant to Session Law 2017-10, Section 3.5(b), and to readopt the rule pursuant to North Carolina General Statute 150B-21.3A, *Periodic Review and Expiration of Existing Rules*, and adopted the provisions of Session Law 2017-10, Section 3.5(b). In the same public notice announcement, the DAQ indicated its intentions to readopt five other rules in 15A NCAC 02D Section .1000, *Motor Vehicle Emission Standard*, pursuant to §150B-21.3A. Subsequently, a public hearing was held on January 16, 2018 during the comment period (December 15, 2017 through February 13, 2018) in Raleigh, North Carolina, for the proposed revisions to the six rules in 15A NCAC 02D Section .1000, *Motor Vehicle Emission Control Standard*. One comment was received from EPA during the comment period indicating that they reviewed the rule package and offered no comments. On May 10, 2018, the North Carolina Environmental Management Commission (EMC) fulfilled their obligation to readopt the rule package pursuant to General Statute 150B-21.3A.

Below is a summary table of the I&M rules readopted by the North Carolina EMC. The table also contains a column for which rules North Carolina is requesting EPA to review and approve as part of the SIP. Please note that North Carolina ONLY requests SIP approval of the rules with a “SIP Approval” note in the “Requested EPA SIP Action” column. We are NOT asking that you act on rules with a “None” noted in the “Requested EPA SIP Action” column. This is because these particular rules are state-only requirements.

I&M Rules		State Action	Requested EPA SIP Action
02D .1001	Purpose	Amendment	SIP Approval
02D .1002	Applicability*	Amendment	SIP Approval
02D .1003	Definitions	Amendment	SIP Approval
02D .1005	On-Board Diagnostic Standards	Amendment	SIP Approval
02D .1006	Sale and Service of Analyzers	Amendment	None
02D .1008	Heavy Duty Diesel Engine Requirements	Amendment	None

* Indicates substantial changes to incorporate Session Law 2017-10, Section 3.5.(b) which changes the vehicle model year coverage for 22 counties covered by the I&M program.

The rule actions in the above table were approved by the North Carolina Rules Review Commission (RRC) at its June 14, 2018 meeting and became state-effective on July 1, 2018. Please note that the final redline/strikeout versions of the rules contain both the text approved by the EMC (Chapter II of the hearing record), and the technical corrections approved by the RRC to ensure compliance with the North Carolina Administrative Procedures Act.

Part 2. Proposed Revisions to North Carolina's I&M SIP and Maintenance Plan for the Charlotte-Gastonia-Salisbury, North Carolina 2008 8-Hour Ozone Marginal Nonattainment Area, and CAA Section 110(l) Noninterference Demonstration

The DAQ issued a public notice announcement on January 23, 2018, in accordance with 40 CFR 51.102. The announcement indicated that the I&M SIP Revision, CAA Section 110(l) Noninterference Demonstration, and revised Maintenance Plan for the Charlotte-Gastonia-Salisbury, North Carolina 2008 8-Hour Ozone Marginal Nonattainment Area (Charlotte Area) for changing the vehicle model year coverage for 22 counties subject to North Carolina's motor vehicle I&M program were available for public comment and posted on the DAQ website for review. The public notice announcement indicated that anyone may request a public hearing.

In addition to posting on the website, the public notice announcement was sent to a number of email distribution lists managed by the DAQ that includes numerous stakeholders from industry and environmental groups. The DAQ believes that sending the public notice announcements to these groups is more effective than publishing the notices in a few local newspapers and is consistent with the requirements described in the April 6, 2011, memorandum, "*Regional Consistency for the Administrative Requirements of the State Implementation Plan Submittals and the Use of Letter Notices.*"

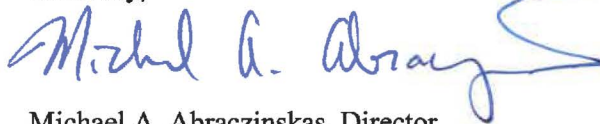
Additionally, the Rich Site Summary (RSS) feed on the DAQ website offers regular delivery of changes to the website content to those that have signed up for it. The document was also made available for in person review during normal business hours at the DAQ Central Office in Raleigh and affected Regional Offices.

The public comment period was open from January 23, 2018 through February 26, 2018. The DAQ did not receive any requests for a public hearing nor any written comments during the comment period. The EPA offered no comments at this time.

With this submission, the DAQ believes it has in good faith addressed the requirements of CAA Section 110(l) relative to changing the vehicle model year coverage for 22 counties subject to North Carolina's motor vehicle I&M program and requests that EPA approve the proposed revisions to the North Carolina I&M SIP, Charlotte Area Maintenance Plan for the 2008 ozone standard, and air quality rules in 15A NCAC Subchapter 02D, Section .1000, *Motor Vehicle Emission Control Standard*.

I look forward to your review and final approval of the proposed revisions to North Carolina's I&M program. Please feel free to contact me or Patrick Knowlson at (919) 707-8711 if you have any questions regarding the proposed revisions to our I&M air quality rules. Please feel free to contact me or Randy Strait at (919) 707-8721 regarding the proposed revisions to our I&M SIP, CAA Section 110(l) noninterference demonstration, and revised maintenance plan for the Charlotte Area.

Sincerely,



Michael A. Abraczinskas, Director
Division of Air Quality, NCDEQ

Trey Glenn
July 25, 2018
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MAA/rps

Enclosures

cc: Lynorae Benjamin, EPA (hardcopy and CD)
Scott Davis, EPA
Carol Kemker, EPA
Patrick Knowlson, NCDAQ
Sushma Masemore, NCDAQ
Brian Phillips, NCDAQ
Michael Pjetraj, NCDAQ
Randy Strait, NCDAQ
William Barnette, Forsyth County Office of Environmental Assistance and Protection
David Brigman, Western Regional Air Quality Agency
Leslie Rhodes, Mecklenburg County Air Quality

Attachment 1

Electronic Files Containing Items Included in SIP Submittal Package Related to Proposed Revisions to the Vehicle Model Year Coverage for 22 Counties Subject to North Carolina's Motor Vehicle Emissions Inspection and Maintenance (I&M) Program

Title of Item	File Name
Transmittal Letter	Final_NCDAQ_Letter_22_Cnty_I&M_MYV_Change_07-25-18.pdf
Part 1	
Final redline/strikeout versions of the rules containing text approved by the EMC and RRC	Final_NCDAQ_AQ_Rules_22_Cnty_I&M_MYV_Change_07-25-18.pdf
I&M Hearing Record	Final_NCDAQ_AQ_HR_22_Cnty_I&M_MYV_Change_07-25-18.pdf
Part 2	
I&M SIP Revision	
Markup Copy	Final_NCDAQ_SIP_Rev_22_Cnty_I&M_MYV_Change_07-25-18_MarkUp.pdf
Clean Copy	Final_NCDAQ_SIP_Rev_22_Cnty_I&M_MYV_Change_07-25-18_Clean.pdf
CAA Section 110(I) Noninterference Demonstration	
Narrative, Appendices A-D (Emissions Inventory Documentation), Appendix E (Ozone Modeling Analysis for the Charlotte Area), Appendix F (NC's Obligations under the NOx SIP Call), and Appendix G (Public Notice and EPA No Comment Letter)	Final_NIDemo_22_Cnty_I&M_MYV_Change_07-25-18.pdf
MOVES2014 Input & Output Files for Alamance, Buncombe, Cabarrus, Cumberland, Davidson, Durham, Forsyth, and Franklin Counties	Final_NIDemo_MOVES_ModelingFiles1_8counties_07-25-18.zip
MOVES2014 Input & Output Files for Gaston, Guilford, Iredell, Johnston, Lee, Lincoln, and Mecklenburg Counties	Final_NIDemo_MOVES_ModelingFiles2_7counties_07-25-18.zip
MOVES2014 Input & Output Files for New Hanover, Onslow, Randolph, Rockingham, Rowan, Union, and Wake Counties	Final_NIDemo_MOVES_ModelingFiles3_7counties_07-25-18.zip
Revised Maintenance Plan for the Charlotte-Gastonia-Salisbury, North Carolina 2008 8-Hour Ozone Marginal Nonattainment Area	
Markup Copy (Revisions to narrative are highlighted in yellow; Appendix A is new)	Final_Charlotte_2008_Ozone_Revised_Maintenance_Plan_07-25-18_MarkUp.pdf
Clean Copy	Final_Charlotte_2008_Ozone_Revised_Maintenance_Plan_07-25-18_Clean.pdf
MOVES2014 Input Files	Final_MOVES_Input_Files_Charlotte_Maintenance_Plan_07-25-18.zip
MOVES2014 Output Files	Final_MOVES_Output_Files_Charlotte_Maintenance_Plan_07-25-18.zip