



ROY COOPER
Governor

WILLIAM G. ROSS
Acting Secretary

SHEILA C. HOLMAN
Director

January 13, 2017

Heather McTeer Toney, Regional Administrator
USEPA Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303-8960

Subject: Characterization of Air Quality Near Facilities Subject to the SO₂ Data Requirements Rule

Dear Ms. Toney,

The Data Requirements Rule (DRR) for the 2010 Sulfur Dioxide (SO₂) Primary National Ambient Air Quality Standard (NAAQS) requires air agencies to submit by January 13, 2017 modeling analyses to characterize SO₂ concentrations in the areas surrounding those facilities subject to the DRR for which a modeling (vs. ambient monitoring) approach was selected in order to demonstrate attainment. Pursuant to this rule and §51.1203(d), this letter provides the required information from the state of North Carolina, including the three local air pollution control programs.

As discussed in prior correspondence on June 30, 2016, modeling was initially proposed to demonstrate attainment in the areas surrounding five (5) facilities. One of those facilities, Duke Energy Progress, Inc. – Asheville Steam Electric Plant, has subsequently elected to use the ambient monitoring data instead of modeling as detailed in my December 28, 2016 letter to you; thus, modeling is being submitted for four (4) facilities. Attached Table 1 lists the facilities for which modeling was conducted.

Detailed reports of the modeling analysis for each facility are included as Attachments A through D and show that the SO₂ 1-hour NAAQS of 75 ppb (196 ug/m³) is met in the area surrounding each facility. Digital modeling files for each facility are available via ftp transfer – please contact Tom Anderson, Air Quality Analysis Branch Supervisor, at tom.anderson@ncdenr.gov for details on how to access those files.

Please contact me at (919) 707-8430 if you have any questions regarding this submittal.

Sincerely,

A handwritten signature in blue ink that reads 'Sheila Holman'.

Sheila Holman, Director

SCH

Enclosures

Heather McTeer Toney
DRR Modeling Analyses
January 13, 2017

Cc: Carol Kemker
Minor Barnette
David Brigman
Leslie H. Rhodes
Rick Gillam
Twunjala Bradley
Lynorae Benjamin
Scott Davis
Todd Rinck
Daniel Garver

Attachment 1. North Carolina Facilities Using Modeling Approach to Fulfill SO2 DRR Requirements

ID	County	Facility Name	NAICS	Inventory Yr	Actual Annual SO2 Emissions (tpy)	Analysis Approach
8500004	Stokes	Duke Energy Carolinas, LLC - Belews Creek Steam Station	221112	2014	7,044.98	Model
1800073	Catawba	Duke Energy Carolinas, LLC - Marshall Steam Station	221112	2014	5,917.45	Model
7300045	Person	Duke Energy Progress, LLC - Mayo Facility	221112	2014	3,490.60	Model
3600039	Gaston	Duke Energy Carolinas, LLC - Allen Steam Station	221112	2014	1,718.20	Model

