



PAT McCRORY
Governor

DONALD R. VAN DER VAART
Secretary

April 19, 2016

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

Subject: Updated 2010 1-Hour Sulfur Dioxide Boundary Recommendation for Brunswick County

Dear Ms. Toney:

Pursuant to section 107(d) of the Clean Air Act and on behalf of Governor Pat McCrory, I am submitting to the U.S. Environmental Protection Agency (EPA), the State of North Carolina's revised recommendation concerning the boundaries within Brunswick County that attain or do not attain the June 2, 2010, 1-hour National Ambient Air Quality Standard (NAAQS) for sulfur dioxide (SO₂). Our revised recommendation is in response to the February 16, 2016 "120-day letter" notifying the Governor of EPA's preliminary intentions regarding designations.

The following information supplements my original September 18, 2015 submittal, addresses EPA comments, and provides new data necessary for consideration in the designation of Brunswick County.

1. In the February 16, 2016 letter, EPA agreed that most of Brunswick County is attaining the standard, and intended to designate as unclassifiable/attainment all townships within Brunswick County, except for Northwest Township. The EPA elected to not yet issue an intended designation for the Northwest Township based on the agency's reasoning that the DAK Americas LLC facility still has an active operating permit with a facility-wide potential to emit SO₂ that "if operations were to resume, could potentially impact the northeast portion of Brunswick County." Despite the shutdown and removal of the DAK Americas LLC SO₂ sources in the 4th quarter of 2013, the EPA further stated that in the presence of an active operating permit, the agency does not believe the shutdown is permanent and enforceable for purposes of designations.

On March 21, 2016, DAK Americas LLC submitted an application to the North Carolina Division of Air Quality (DAQ) to remove combustion sources (ES01 and

ES02) from its Title V operating permit. These two emission sources represent over 99.98% of 1,441.92 tons of SO₂ emitted by the facility in 2012 (the last full year of operation). The DAQ has issued a revised Title V permit on April 5, 2016, removing

ES01 and ES02, and a copy of the current operating permit is included as an attachment to this letter.

Based on the conditions of this new permit, I am recommending that the Northwest Township in Brunswick County be designated attainment for the 2010 1-hour SO₂ NAAQS.

2. North Carolina's initial boundary recommendation for Brunswick County, submitted to EPA on September 18, 2015, relied upon the most recent three years of modeling and monitoring data available at the time for CPI Southport (2012 through 2014). Subsequently, the DAQ received an emissions report from CPI Southport dated February 26, 2016, as part of its calendar year 2015 actual versus projected actual comparisons as required in the facility's operating permit for various pollutants, including SO₂. The 2015 actual SO₂ emissions are higher than those modeled for initial boundary recommendation.

In light of this new information, the DAQ evaluated the impact of 2013 through 2015 hourly SO₂ emissions (as measured by continuous emissions monitors), in conjunction with corresponding meteorology and background sources to assess attainment status. The company then requested a permit modification to restrict the hourly SO₂ emissions in order to show compliance with the 1-hour SO₂ standard. The new permit was issued on April 18, 2016 and is attached to this submittal. As part of the new permit, the company will provide an SO₂ monitor and DAQ will operate the new monitor to demonstrate that the one hour SO₂ standard is not exceeded in the vicinity of the facility. As a result of these actions, I continue to recommend that all townships in Brunswick County be designated as attainment.

In summary, we are utilizing the latest information available for SO₂ sources in Brunswick County to address the health impact of SO₂. I am reaffirming the boundary recommendation as shown in the table below.

Area	North Carolina's Revised Recommended Area Definition	North Carolina's Revised Recommended Designation
Brunswick County	All Townships within Brunswick County	Attainment

North Carolina is committed to protecting the health of our citizens, our environment, and our economy. Improving and maintaining air quality is critical to the health of our citizens, our future growth, prosperity and quality of life. The State has and will continue to use its statutory authority to implement controls in the State as warranted. We look forward to discussing this boundary recommendation with you.

Sincerely,



Donald R. van der Vaart, Secretary
NCDEQ

SCH/ssm

Enclosures

cc: The Honorable Pat McCrory
Ms. Sheila C. Holman
Ms. Leslie Rhodes
Mr. David Brigman
Mr. Minor Barnette

