

May 24, 2021

Mr. John Blevins  
Acting Regional Administrator  
U.S. EPA, Region 4  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303-3104

**RE: Georgia Power-Plant Bowen 2021 Annual Report for EPA's Data Requirements Rule for the 2010 1-Hour SO<sub>2</sub> NAAQS**

Dear Mr. Blevins:

This report is being submitted to comply with the ongoing data requirements specified in 40 CFR 51.1205(b), for areas where modeling serves as the basis for designating that area as attainment for the 2010 1-Hour SO<sub>2</sub> NAAQS. The Georgia Environmental Protection Division (EPD) has determined that no additional modeling is needed to characterize air quality in the area surrounding Georgia Power - Plant Bowen.

On January 9, 2018, the U.S. Environmental Protection Agency (EPA) designated Bartow County, GA as Attainment/Unclassifiable with an effective date of April 9, 2018 (83 FR 1098). This designation was based on 2014-2016 modeling submitted to EPA by EPD, which demonstrated that SO<sub>2</sub> emissions from Plant Bowen do not cause or contribute to any exceedances of the 1-hour SO<sub>2</sub> National Ambient Air Quality Standard (NAAQS). The highest modeled SO<sub>2</sub> design value in the modeling domain was 57.6 ppb.

According to the Data Requirements Rule for the 2010 1-hour SO<sub>2</sub> primary NAAQS (80 FR 51052):

*“For any area where modeling of actual SO<sub>2</sub> emissions serve as the basis for designating such area as attainment for the 2010 SO<sub>2</sub> NAAQS, the air agency shall submit an annual report to the EPA Regional Administrator by July 1 of each year...that documents the annual SO<sub>2</sub> emissions of each applicable source in each such area... The first report for each such area is due by July 1 of the calendar year after the effective date of the area's initial designation.”*

Table 1 contains the Plant Bowen emissions that were modeled (2014-2016), along with EPA's Clean Air Markets Division (CAMD) SO<sub>2</sub> emissions (2014-2020) from Plant Bowen.

**Table 1. SO<sub>2</sub> emissions from Plant Bowen for 2014-2020.**

Calendar Year	CAMD SO <sub>2</sub> Emissions (Tons/Year)	Modeled SO <sub>2</sub> Emissions (Tons/Year)
2014	7,204	7,207
2015	8,104	8,106
2016	10,453	10,456
2017	9,451	
2018	10,169	
2019	9,231	
2020	6,098	

The 3-year average of Plant Bowen SO<sub>2</sub> emissions modeled for 2014-2016 was 8,590 TPY. The 3-year average of SO<sub>2</sub> emissions from Plant Bowen for 2018-2020 was 8,499 TPY which is 1.1 percent lower than the modeled emissions for 2014-2016. Therefore, EPD has determined that no additional modeling is needed to characterize air quality in the area and the area continues to meet the 2010 SO<sub>2</sub> NAAQS.

As required by 40 CFR 51.1205(b), a copy of this letter is available for public inspection at 4244 International Parkway, Suite 120, Atlanta, GA 30354. In addition, the public can inspect an electronic version of this letter at:

<https://epd.georgia.gov/air-protection-branch/air-branch-programs/planning-and-support-program/national-ambient-air-quality>

Should you or your staff have any questions or comments, please feel free to contact James Boylan at [James.Boylan@dnr.ga.gov](mailto:James.Boylan@dnr.ga.gov) or 470-524-0697.

Sincerely,



Karen D. Hays, P.E.  
Chief, Air Protection Branch  
Georgia Environmental Protection Division