



PowerSouth[®]
ENERGY COOPERATIVE

A Touchstone Energy[®] Cooperative 

Keith Stephens, Ph.D.

MANAGER, ENVIRONMENTAL SERVICES DEPARTMENT

January 12, 2017

Mr. Scott Davis
U. S. Environment Protection Agency, Region IV
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303-3104



Re: PowerSouth Energy Cooperative; Charles R. Lowman Power Plant
EPA Data Requirements Rule

Dear Mr. Davis,

The attached air dispersion modeling analysis was conducted in order to characterize sulfur dioxide (SO₂) air quality in the vicinity of PowerSouth's Charles R. Power Plant (Lowman Plant). This analysis is designed to fulfill the requirements of the United States Environmental Protection Agency's (EPA) final Data Requirements Rule (DRR) for the 2010 1-Hour SO₂ Primary NAAQS.¹

The enclosed modeling report was prepared in order to present the model results along with the methodology used to characterize SO₂ air quality in the vicinity of the Lowman Plant. The modeling approach conforms to the applicable modeling procedures and guidance contained in the DRR, the draft EPA Modeling Technical Assistance Documents (TAD)², the final Plant Lowman modeling protocol submitted on June 14, 2016, and direction otherwise received from the Alabama Department of Environmental Management (ADEM).

The attached modeling report and modeling files are being submitted on behalf of ADEM. The submittal package is also being sent to the distribution list below.

If you need additional information or have any questions, please let me know.

Sincerely,

Keith Stephens, Ph.D.
Manager, Environmental Services Department

cc : R. Scott Davis; U.S. EPA
Twunjala Bradley; U.S. EPA
Rick Gillam; U.S. EPA
ADEM (2) copies

¹ See 40 C.F.R. § 51.1200 *et seq.*

² Modeling and Monitoring Technical Assistance Documents; EPA. 2014. Available at <https://www.epa.gov/sites/production/files/2016-06/documents/so2modelingtad.pdf>