



engineering and constructing a better tomorrow

December 15, 2008

Ms. Andrea Stacy  
National Park Service  
Air Resources Division  
12795 West Alameda Parkway  
P.O. Box 25287  
Denver, CO 80225

RE: Power4Georgians, LLC  
Plant Washington  
Sandersville, Georgia  
Permit Application Supplemental Data  
Application No. 17924, dated January 17, 2008

Dear Ms. Stacy:

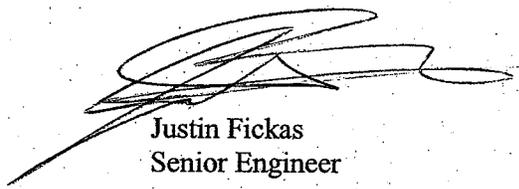
On behalf of our client Power4Georgians, LLC (P4G) enclosed is a DVD containing supplemental information to the above referenced air permit application. Rather than providing replacement portions of the application, in order to avoid confusion we are providing an electronic copy of the entire application with the information already inserted. Class I area modeling conducted as part of this project includes the Great Smoky Mountains National Parks site, located approximately 273 km from the project site. The Class I Modeling conducted as part of the project has been modified from the application submitted on January 17, 2008 as follows.

1. The CALPUFF model was run with updated emission rates for fugitive PM sources, and reduced emission rates for SO<sub>2</sub> and sulfuric acid mist for the Plant Washington project.
2. The change in  $\beta$ -extinction for each Class I area was calculated using the Interagency Monitoring of Protected Visual Environments (IMPROVE) equation, which takes into account the difference in the light scattering from large and small particles of sulfates, nitrates, and organics, as well as visibility impacts from sea salt contributions and changes in Rayleigh Scattering from site to site. All parameters used in the IMPROVE equation for each modeled Class I area are documented in the permit application.
3. Method 6 was used for the background extinction computation used in the CALPOST post-processor.
4. The deposition and Class I increment consumption analysis were updated to reflect the most current emission rates.
5. A comparison to the lowest of the recently proposed PM<sub>2.5</sub> Class I significant impact level was added.

If you have any questions please contact Justin Fickas at (770) 421-3335.

Sincerely,  
MACTEC Engineering and Consulting, Inc.

  
Ken Hiltgen  
Project Manager/Principal

  
Justin Fickas  
Senior Engineer

Cc: Purva Prabhu, GA EPD  
Meredith Bond, FWS  
Bill Jackson, NFS