

## PROJECT NOTES

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**Project ID:** 457-111116

**Plant/Site Name:** Cherokee Power Plant - combined cycle turbine facility

**Date:** 9/20/2011

**Deliberative Process:** No

**Note entered into database by:** DJ

**Note:** Subject: Cherokee Combined Cycle Plant Permitting/Modeling Meeting  
Date: Tue, 20 Sep 2011 10:44:53 -0600  
From: Magno, Gary J <Gary.Magno@XCELENERGY.COM>  
To: Jung, Doris W. <Doris.Jung@dphe.state.co.us>, King, Kirsten L. <Kirsten.King@dphe.state.co.us>, Hea, Roland C. <Roland.Hea@dphe.state.co.us>

As you all know, Public Service Company of Colorado is in the process of collecting on-site meteorological and ambient air quality data at our Cherokee Station for the permitting of a new natural gas-fired 2x1 combined cycle plant at this site. As part of that project we will be retiring the existing coal-fired Units 1, 2, and 3 and will be netting out of PSD review for all PSD pollutants. We have hired CH2M Hill to complete preliminary modeling for this project and do the final modeling and permit application that we plan to submit to the Division in August 2012. The purpose of this email is to request a preliminary meeting with you and your staff to discuss the air quality permit application and associated modeling analysis for this project. Major things I'd like to discuss include the following:

- Modeling protocol
- Netting analysis to avoid PSD
- Use of on-site NO2 data in the modeling
- NO2 background
- Cumulative modeling analysis including the number and type of sources to be included
- Approach and emission assumptions for modeling the retirements of coal-fired units.
- Options for running AERMOD, with or without OLM
- Modeling start-up vs normal operation for short-term NO2 standard

The week of October 3rd is pretty open for us except for the morning of October 7th. Please let me know who all you think needs to attend this meeting from your side of the house and what day that week would work best. We should plan on about a two hour meeting to start these discussions. Thanks.

Gary Magno

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