

EXHIBIT 3

Romaine, Chris

From: Will, Matt
Sent: Wednesday, December 29, 2010 1:41 PM
To: Romaine, Chris
Subject: Mississippi Lime Responses

12-29-2010

Hi Chris,

Here are responses to Kathy Andria comments. I'll have the response to the Sierra Club for you later this afternoon.

Responses to comments from Kathy Andria

1. Potential Impacts

A full five years of modeling should cover all aspects of meteorology covered in the region. Inversion effects experienced in the immediate local area will occur at the St. Louis location. Using 5 years of meteorology from a first order NWS met tower located in the same region as the permit applicant's source has plenty of precedence for PSD permit modeling in Illinois.

2. Monitoring

AERMOD should take into account plume impacts on the bluffs. AERMOD uses elevated terrain elevations to help simulate such occurrences. Other dispersion characteristics such as plume dissipation and other factors affecting turbulence or the lack of it are accounted for in the model.

3. Inversions

The met data sets should provide a variety of meteorological circumstances to cover inversion situations. The Sparta airport met data was not selected for use in the modeling since the weather instrumentation is not operated or maintained by the NWS and therefore lacks quality assurance oversight from the NWS.

4. Modeling verification

The modeling for Mississippi Lime was fully audited by Illinois EPA. Model inputs such as emissions, stack parameters, building locations, et cetera, were verified through the permit application and other documentation that was submitted by the company. Proper modeling options and procedures were reviewed for assurance that these methodologies were in accordance with federal and state guidelines. Processed met data, building downwash, and receptor heights were recreated and incorporated into the modeling audit runs, and the results were reviewed to verify that the conclusions of the submitted air quality analysis concurred with the audit. Audit runs were performed for all pollutants, all averaging times, and scenarios including start-up and malfunction.

Regards,

Matt