

APPENDIX C-3

E-mail from UDAQ

From: Tom Orth [torth@utah.gov]
Sent: Monday, May 18, 2009 10:21 AM
To: Frohning, John/SAC
Subject: RE: KUC: Comments on the AERMOD Modeling Analysis

John,

It does appear that there is a section of missing wind direction data for Oct 1 - 12 in 2004. Would recommend setting these values to 999. to reflect missing data.

Need some further clarification on a couple of things.

1. Please expand more in-depth how you came up with the different particle size distributions. Not sure which sections you are referring to.
2. I cannot find reason to invalidate the July 21, 2005 ambient monitoring data. The mere presence of gusting winds does not constitute voiding the data, and the wind speeds are moderate for most of the day. PM₁₀ monitoring data from magna suggests that a background concentration of 80 µg/m³ for the westside of the valley would be appropriate. Unless you have more information to support invalidating this day, I believe that the 81.5 µg/m³ value collected on July 21, 2005 should be a valid value. I would also like more information on the sample collected on May 18, 2007 and why you feel that is not a valid sample.

I am still researching monitoring data and have not arrived at an appropriate background concentration for this analysis.

Tom Orth

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