Woodward-Clyde

Engineering & sciences applied to the earth & its environment

[redacted]

January 30, 1997

Dolly Potter
Environmental Engineer
Solvay Minerals, Inc.
P. O. Box 1167
Green River, Wyoming 82935

Subject: Draft Air Quality Dispersion Modeling Stack Parameters
Project No. 24255-0001

Dear Dolly:

Enclosed you will find a four page table that lists the stack parameters which will be used in the air quality modeling analysis. All parameters are presented in both SI and metric units. This first two pages list the physical stack parameters for each source (location, stack height, stack diameter, exit temperature, and exit velocity.) The last two pages list the emission rates (both those presented by you and the conversions to short-term and long-term emission rates, in grams/second.)

A few notes about the table:

- "Plant-feet" refers to the grid on the drawings you have sent me.
- UTM coordinates assume that Boiler #1 is located at 603,834.9 meters East and 4,594,807.7 meters North. This UTM coordinate was taken from the 1989 PSD Permit Application.
- For rectangular stacks, the calculated stack diameter is based on a circular stack of equal area as the rectangular stack.
- Short-term emission rates are converted directly from your pounds per hour emission rates. Long-term emission rates are scaled by the annual hours of operation.

Please call me with any questions or comments you may have about the information in this table.

Sincerely,

Jeffrey A. Yuhas
Assistant Project Scientist

Enclosure

cc: D. Gaige - Woodward-Clyde (Denver)

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