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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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April 18, 1985

Mr. Ben Grimes
Environmental Coordinator
Plateau Mining Company
P.O. Drawer PMC
Price, UT 84501

Dear Ben:

RE: 1984 Annual Reclamation Report, Starpoint Mines, Act/007/006, Folder #13, Carbon Co. Utah

The Division has reviewed the above referenced report and has found some holes in the data analysis for the Refuse Pile Test Plots.

Although data for the fertilizer treatments (200lbs vs. 100lbs) was analyzed, it should have been reduced to an analysis of the various subplots (i.e. A1 vs. A2, B1 vs. B2, C1 vs. C2, etc.). As it is, one cannot determine the exact effects of the fertilizer treatment vs. the other variables involved (type of material & depth of cover).

It is therefore requested that the following analysis be done and submitted as an addendum to the 1984 Reclamation Report by May 31, 1985:

Using a two-tailed t-test, compare subplots A1 vs. A2, B1 vs. B2, C1 vs. C2, D1 vs. D2, E1 vs. E2 and F1 vs. F2. The comparison should include the mean, standard deviation and calculated t-value for total cover, total production, perennial cover, perennial production, weed cover (total cover minus perennial cover), and weed production. The report should include the number of observations and the observed value for calculating each mean and standard deviation. This type of an analysis should be continued in subsequent years.

I discussed this with Clem Parkin an he felt that this type of analysis would provide valuable information and could easily be done. He stated that a similar analysis of the subplots was done in 1983.

Your cooperation is greatly appreciated. Should you have any questions, please don't hesitate to call.

Sincerely,

Lynn Kunzler
Reclamation Biologist

cc: Clem Parkin
Sue Linner
Tom Portle
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