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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
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4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 9, 1983

Mr. Robert Eccli
Senior Mining Engineer
U. S. Fuel Company
P. O. Box A
Hiawatha, Utah 84527

RE: Revegetation Monitoring
U. S. Fuel Company
King VI Mine
ACT/007/011
Folder Nos. 2 and 4
Carbon County, Utah

Dear Mr. Eccli:

On June 7, 1983, John Rice of Bio/West, Inc., contacted the Division concerning revegetation monitoring plans for the King VI Mine area as per Stipulation 7-81-2. This letter will serve to summarize the conversation and document some changes, with which the Division concurs, regarding the monitoring plans for the 1983 field season.

As originally detailed (June 1982), the approved monitoring plans call for annual monitoring during the first five years after planting, to be conducted during the peak production period. Percent ground cover by vegetation, rock, litter and bare ground are to be ocularly estimated by use of a 0.5 m² rectangular quadrat, percent plant cover is to be estimated for each individual species and the sample size for each treatment is to be based on a 90 percent confidence limit with 10 percent precision according to the formula $n = s^2 t^2 / d^2$.

The Division agrees that, during this first crucial year of plant establishment, it may be deleterious to the newly established vegetation (particularly on steeper slopes) to conduct the thorough quantitative sampling as outlined. Therefore, for monitoring during the 1983 season, the following changes to the original plan are approved:

Mr. Robert Eccli
ACT/007/011
June 9, 1983
Page 2

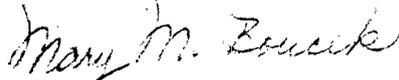
The necessity of quantitative sampling employing a 0.5 m² rectangular plot and statistical confidence at 90 percent with 10 percent precision is waived. The operator is advised to qualitatively assess, by ocular estimate, total cover by vegetation, rock, litter and bare ground to the best of your professional ability.

Plant cover by individual species should be qualitatively estimated, i.e., statistical quantification is not necessary during this monitoring period.

Monitoring should still be conducted during the peak of production (or growing season). However, production sampling (e.g., clipping) is not warranted.

Should you have any questions regarding this matter, please contact the Division.

Sincerely,



MARY M. BOUCEK
RECLAMATION BIOLOGIST

MMB/btb

cc: John Rice, Bio/West, Inc.
Allen Klein, OSM
J. Smith, DOGM
D. W. Hedberg, DOGM