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DIVISION OF OIL
GAS & MINING**FILE COPY**

July 9, 1984

D. Wayne Hedberg
 Permit Supervisor Reclamation Hydrologist
 Division of Oil, Gas & Mining
 Natural Resources and Energy
 4241 State Office Building
 Salt Lake City, Utah 84114

Re: Deer Creek Contemporaneous Reclamation Plans,
 Leachfield and Flume Site

Dear Mr. Hedberg:

Following is the information requested in your June 11, 1984 letter:

UMC 784.13(b)(5)-Lk

Final reclamation of the sites will be accomplished per the plans described in the Deer Creek Mine Permit Application.

Seeding of the areas with the proposed seed mixes will be delayed until the Fall planting season to take advantage of natural moisture. Due to the need to delay the major revegetation efforts, a temporary ground cover will be established immediately. A mixture of yellow sweetclover (four lbs. PLS/Ac) and barley (30 lbs. PLS/Ac) will be seeded to establish the temporary ground cover.

As per D.O.G.M. recommendations, Salina wildrye will be replaced with Great Basin wildrye at four lbs. PLS/Ac. Northern sweetvetch will be reduced to one lb. PLS/Ac. Yellow sweetclover will be added at the rate of two lbs. PLS/Ac; however, alfalfa will not be included in the seed mix. It is felt that the tap root of the alfalfa plants would detrimentally effect the leachfield piping system.

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UMC 817.2~~4~~⁴ Topsoil: Redistribution - TLP

Seedbed preparation at the leachfield site will be accomplished by using a D-3 crawler dozer with ripper attachment. The ripping will be performed along the contour thus the resulting ripper furrows will aid in controlling surface run-off.

UMC 817.25 Topsoil: Nutrients and Amendments - TLP

A composite soil sample, composed of 10 to 20 sub-samples, will be obtained for each site. The sub-samples will be taken to a depth of 24 inches. The composite samples will be analyzed by a certified laboratory for the following parameters:

- Phosphorus (ppm)
- Potassium (%)
- Calcium (%)
- Magnesium (%)
- Nitrogen (%)
- Sodium (%)
- Organic Matter (%)
- Sodium Absorption Ratio
- Electrical Conductivity (mmhos/cm)
- pH

The fertilizer application rates will be based on the results of the analyses. Fertilizer will be applied as necessary to achieve nutrient criteria as outlined in current Division guidelines. The fertilizer will be broadcast by hand- using a cyclone seeder.

Should further questions arise, please don't hesitate to contact us.

Sincerely,



Larry Guymon P.E.
Construction Manager

LG/nw

cc: Bill Zeller
Jim Hamlin
Morgan Moon
Bill Willey
Chris Shingleton, UP&L