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April 8, 1981

RECEIVED
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DIVISION OF
OIL, GAS & MINING

PRO/045/013

Mr. Thomas N. Tetting
Engineering Geologist
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: ACT/045/013

Dear Mr. Tetting:

This letter is in response to your letter of April 1, 1981. Your questions or comments will be addressed below in the same order as your letter.

1) As described in the Mining and Reclamation Plan, topsoil will be salvaged and banked from the following areas:

Area	Acreage
Millsite	37
Tailing Dam and Pond	57
Low Grade Dump	11
Open Pit (≈ 20%)	13
Overburden Disposal Dump (20%)	10
	128 Acres

We expect that due to mixed soil types, slope, outcrop, etc. the available soil acreage will be 20% less than is apparent on our soils maps. This will reduce the available strippable acreage as follows:

128 - (0.20) (128) = 102 Acres

We estimate that topsoil removal depth will vary from 8" to 11". Using an average depth of 9.5":

102 acres x (9.5/12) = 81 Acre-feet

81 Acre-feet x 1613 yd^3.per acre foot = 130,653 yd^3.

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Soil will be replaced over the following areas:

Millsite	37
Tailings Dam and Pond	49*
Low Grade Dump	11
	97

*The tailings dam (≈8 acres) will have already been seeded prior to cessation of operations.

The banked soil will be spread to an average depth of 10" as determined below:

$130{,}653\ yd^3. \div 97\ Acres = 1347\ yd^3./Acre$

$1347\ yd^3. \times 27\ ft^3./yd^3. = 36{,}369\ ft^3./Acre$

$36{,}369\ ft^3. \div 43{,}560\ ft^2./Acre = 0.84' = 10"$

2) Trees and brush will be segregated from salvagable topsoil and burned or chipped prior to soil stripping.

3) The solid wastes generated during the construction phases of the operation will be hauled to an approved, existing sanitary landfill. Combustible construction wastes will be burned on-site under a burning permit. Ultimately, it is planned to site, engineer and permit an on-site sanitary landfill but plans are not sufficiently developed at this time to say more about this facility.

4) Our revegetation schedule as found on page 2-28 is in error and incorporates one year for reclamation and one growing season. We will commit to two more growing seasons at a minimum, that is, up to and including 1992. Our interpretation of Rule M-10 (12)(2) is that our revegetation will be deemed successful when the revegetated species have survived for at least three (3) growing seasons and have achieved a surface cover of at least 30% at the <u>end</u> of the three (3) years of growth.

5) We will include mulch as part of our revegetation test plot treatments.

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6) The power line will probably roughly parallel the Mercur Canyon road or the Manning Canyon road. Utah Power and Light has not yet decided on a final, detailed route.

7) Please treat the revised map (1.2-1) as confidential.

8) MR Form 8 as completed, is attached.

If you have any other questions or comments, please call me.

Sincerely,

Brian W. Buck

BRIAN W. BUCK
Environmental Coordinator

BWB:lml

Enclosure