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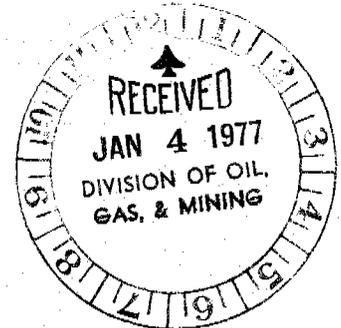
Bob to Ron -
BOB

BRAZTAH CORPORATION

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HELPER, UTAH 84526

January 3, 1977

Mr. Brian W. Buck
Engineering Geologist
State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116



Dear Brian:

My apologies for not having written to you sooner, but I will now try to make amends.

I trust that the tour around our various existing and proposed installations which you and Ron Daniels made with me on November 9th was helpful to you.

It has been our desire to have only one document as our "Mining and Reclamation Plan," which could be readily presented to all interested agencies. With this in mind, and acknowledging the fact that the State needs specific information not required by Federal agencies, we would like to include the attached information as an addendum for State use.

While we have been quite general in our answers, we are specifically committed to comply with all applicable State and Federal regulations in all our reclamation efforts.

The following commitments (taken verbatim from a recent O.G.&M. Div. to show cause) are all covered in our original Mining and Reclamation Plan:

During Operations:

- 1) Underground mining will be conducted in a safe, orderly, and miner-like fashion.
- 2) Soil from areas of new surface disturbance will be removed and properly stockpiled.
- 3) Surface drainages will be properly diverted utilizing culverts and ditches.
- 4) Areas of new surface disturbance will be kept to a minimum.

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After Operations:

- 1) Extraneous debris, scrap metal, wood, and unusable equipment and buildings will be buried or removed from the location.
- 2) All portals and vent holes will be properly sealed to prevent entry.
- 3) All areas disturbed by this operation will be graded to stable slopes to the fullest extent possible, to which heavy equipment can be used, and stabilized by seeding with a specified seed mixture.
- 4) All roads, excepting main access roads, will be regraded and seeded.
- 5) Scarification and other soil treatment techniques will be employed on compacted surfaces before seeding.
- 6) Pre-disturbed areas not affected by the proposed mining operation may be regraded depending upon the proximity of the area to disturbed sites and the general feasibility of each area.

Regarding your letter of October 22, 1976, we will attempt to answer your specific questions as follows:

- 2
- 60
25
26
59
-
- 170
- 1) a. Acreage in the main canyon for storage, loading, office/shop, portals, etc., is about 60; the rock waste piles are estimated at 14 acres, total - 74 acres.
changed to 25 - letter of 2/23/77
 - b. Total acreage of roads and haulage ways is 26, broken down as follows:

#3 = 8 1/2
#5 = 5
#6 = 2 1/2
CG & #7 = 5
#6A = 5

- c. Other acreage to be reclaimed cannot be estimated at this time, but would include roads and drill sites, portals, fan sites, portal facilities, etc., if more are installed. Acreage of current facilities follows:

<u>Location</u>	<u>Acres</u>
#3	25
#5	12
#6	14
#6A	5
Refuse	3

59

- 2) Map attached showing our present surface facilities, and areas cross hatched which have been abandoned, but which were in existence when we acquired the properties.
- 3) We would hesitate to even try to estimate the number of shafts and portals to be closed at the cessation of operations. We currently maintain about 14 openings approximately 7' x 20' for access and ventilation. As mining progresses, some of these will be sealed, and others opened. All known openings will be closed when operations cease.
- 4) Due to the erratic nature of some of the seams in this area, we have not attempted to figure an average thickness of them. Tabulated below are "eyeball" average thicknesses, min. and max. thickness. You are cautioned not to use these numbers for calculating coal reserves, etc.

<u>Seam</u>	<u>Min.</u>	<u>Max.</u>	<u>Avg.</u>
D	5	18	8
K	5	30	10
B	5	15	6
A	5	25	10
Sub 3	5	10	7

- 5) We feel it would be very premature to submit detailed revegetation schemes at this time. We are now reclaiming various drill sites and roads, and the experience gained in these areas over the next 20 years or so should be invaluable in detailing the revegetation schemes for the larger areas, which will be in use until operations cease, and thus last to be reclaimed.

*no -
commit now
change later*

- 6) We are currently working with the BLM on suitable species and fertilizers which should obtain the answers we need. It is entirely possible that new strains of vegetation as well as new nutrients and fertilizers could be developed in the next 20 - 25 years.
- 7) Anticipated operation life per our mining and reclamation plan is over 25 years.

*how
much*

Although we do not have detailed plans as yet, the rock waste pile will be designed to meet Federal and State Standards, with the material compacted in layers and covered with soil. Water runoff diversion ditches will be maintained around the disposal area. Any additional safeguards deemed necessary will be cleared with the appropriate State and Federal agencies before proceeding.

Two rows of steel pins driven into the ground over our present longwall are used to monitor subsidence. These pins have been surveyed and have elevations established on them. Others, of course, will be installed as operations progress. No subsidence effects are expected to show in the Price River Canyon,

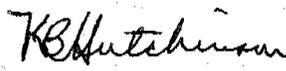
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as we will not be using total extraction or extracting pillars closer than a line at 45° from the surface. This design parameter is acceptable to the U.S.G.S., and should preclude any decreased stability of the cliffs in this area.

Please note that proposed Mine #8 has been re-numbered as #6A.

If you have any further questions, we would be pleased to discuss them with you.

Sincerely,


K. B. Hutchinson
Chief Engineer

KBH:ga

Attachment

cc: Lee McCloskey