



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 29, 1983

Mr. Trevor Whiteside
Valley Camp of Utah
Scofield Route
Helper, Utah 84526

RE: Mine Access Road Modification
Belina Mines
ACT/007/001, Folder #3
Carbon County, Utah

Dear Trevor:

Regarding Valley Camp's response to the Division's July 12, 1983 letter (Stipulations 6-17-83-1-RS and 6-17-83-1-RS), the Division makes the following findings:

Stipulation 6-17-83-1-RS

The response and commitment to use a minimum of 2,000 pounds straw mulch, the mulching techniques and irrigation plans are acceptable and adequate.

Stipulation 6-17-83-2-RS

Pursuant to Valley Camp using the seed mix for temporary revegetation, the species are acceptable with no need for additional species. However, should the road be approved as part of the post-mine land use, supplemental seeding and/or planting may be required to meet the appropriate success standards (for diversity, woody plant density, etc.). The Division understands that the "% of mixture" (rate) is by weight of pure live seed (PLS). If Valley Camp will commit to the following rate changes, the seed mix and rate will be approved for temporary revegetation associated with the road and sediment pond modifications:

1. Increase overall seeding rate to a minimum of 15 pounds PLS.
2. Reduce the rate of Kentucky Bluegrass to no more than 5% of the total mix.
3. Increase the rate for thick spike wheatgrass to at least 11% of the mix and Mountain Brome to at least 10% of the mix.

After due consideration of your request to maintain a 9-12 pounds per acre seeding rate, the Division will approve this only after Valley Camp has

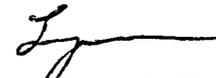
Mr. Trevor Whiteside
ACT/007/001, Folder #3
July 29, 1983
Page Two

collected cover, frequency, and woody plant density data which demonstrates that past revegetation (using this rate) is successful as per the appropriate sections of 817.111 - .117.

Also, regarding past approvals of several years ago as to species and seeding rates, the recommendations of the July 12, 1983 letter were based on the most current information available to help insure successful revegetation efforts. Past approvals were based on basic range revegetation principles which may or may not apply to mine reclamation. As research progresses in mine reclamation, it is hoped that operators will modify "approved plans" to increase their chances of success.

Should you have any questions, please don't hesitate to call.

Sincerely,



LYNN KUNZLER
RECLAMATION BIOLOGIST

LK:gl

cc: Allen Klein, OSM
Sarah Bransom, OSM
Tom Tetting, DOGM