



0014

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

August 10, 1982

Mr. Andrew King
Natomas Coal Company
P. O. Box 551
Orangeville, Utah 84537

RE: Embankment Stabilization Plan
Trail Mountain Mine
ACT/015/009
Emery County, Utah

Dear Mr. King:

Enclosed is a termination to NOV #1 of 1 (N82-2-4-1). The plans for grading the stream channel embankments to the pre-existing contour are adequate to abate the violation if adequate erosion protection is provided and maintained. A seed mix for revegetating the slope was not included in your reclamation plan, the following seed mix and application is recommended for permanent reclamation of the embankments:

Pounds of Pure Live Seed/
Per Acre
(Broadcast or Hydroseed)

Grasses

Thickspike wheatgrass-- <u>Agropyron dasystachyum</u>	1
Western wheatgrass-- <u>A. smithii</u>	2
Slender wheatgrass-- <u>A. trachycaulum</u>	2
— Kentucky bluegrass-- <u>Poa pratensis*</u>	1/2
Great Basin wildrye-- <u>Elymus cinereus</u>	1/2
Smooth brome (Northern)-- <u>Bromus inermis*</u>	1/2

Mr. Andrew King
ACT/015/009
August 10, 1982
Page 2

Pounds of Pure Live Seed/
Per Acre
(Broadcast or Hydroseed)

Forbs

Utah sweetvetch-- <u>Hedysarum boreale</u>	1
Canada goldenrod-- <u>Solidago canadensis</u>	1
Pacific aster-- <u>Aster chilensis</u>	1/2
—Yellow sweetclover-- <u>Melilotus officinalis*</u>	1/2
Showy goldeneye-- <u>Viguiera multiflora</u>	1

Shrubs

Serviceberry-- <u>Amelanchier alnifolia</u>	1
Yellow rabbitbrush-- <u>Chrysothamnus viscidiflorus</u>	1/2
Blueberry elder-- <u>Sambucus cerulea</u>	1
Woods rose-- <u>Rosa woodsii</u>	1/2
Mountain snowberry-- <u>Symphoricarpos oreophilus</u>	1
Green ephedra-- <u>Ephedra viridis</u>	1/2
	15 lbs/ac

*Introduced species.

Introduced species are optional in the seed mixture and should be used on an experimental basis. If they are to be included, an experimental design and complete monitoring plan to assess the suitability of these species for final reclamation should be submitted. Seeding should be conducted during the fall, after the first snowfall.

Please contact Ken Wyatt or Steve Cox, reclamation biologist, if there are any problems in implementing the embankment stabilization plan by August 18, 1982.

Sincerely,



SANDY PRUITT
RECLAMATION OFFICER

SP/btb

Enclosure