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UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
Manti-LaSal National Forest
599 West Price River Drive
Price, Utah 84501

File ACT/015/004

Copy to Sue
is this OK?

JIM

NOV 06 1981

October 30, 1981



Mr. James Smith
Division of Oil, Gas, and Mining
Utah Department of Natural Resources
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Smith:

In review of the letter to you dated October 7, 1981, regarding seed mixtures for temporary and permanent reclamation of the Huntington Canyon No. 4 Mine from David Chenoweth of Arco Coal Company, the Forest Service recommends the following:

The proposed seed mixture is acceptable with the inclusion of fairway crested wheatgrass, *Agropyron cristatum*. Attached is our recommendation for the number of pounds per acre of pure live seed. This seed mixture should be certified 99 percent weed free.

ARCO's recommendation for the containerized or bare root stock for permanent reclamation is acceptable at the suggested level of planting. In areas which will permit drill seeding, it is acceptable to use one-half the recommended rate.

If you have any questions pertaining to the recommendations, please contact us.

Sincerely,

for
REED C. CHRISTENSEN
Forest Supervisor

Enclosure



NOV 03 1981

DIVISION OF
OIL, GAS & MINING

TEMPORARY AND PERMANENT RECLAMATION SEED
MIXTURES FOR HUNTINGTON CANYON NO. 4 MINE

<u>Grass Species for Temporary and Permanent Reclamation Seed Mixtures</u>		<u>Pounds of Pure Live Seed per Acre (Broad- cast or Hydroseed)</u>
Fairway Crested Wheatgrass	Agropyron cristatum	2
Bluebunch Wheatgrass	Agropyron spicatum	2
Indian Ricegrass	Oryzopsis hymenoides	1
Slender Wheatgrass	Agropyron trachycaulum	2
Streambank Wheatgrass	Agropyron riparium	2
Tall Wheatgrass	Agropyron elongatum	1
Smooth Brome	Bromo inermis	4
Pubescent	Agropyron trichophorum	2
Cicer Milkvetch	Astragalus cicer	<u>2</u>
	TOTAL	18 lbs./ac.

<u>Containerized or Bare Root Stock (To be used for Permanent Reclamation Seed Mixture)</u>		<u>Number per Acre</u>
Curlleaf Mountain Mahogany	Cercocarpus ledifolius	200
Pinyon Pine	Pinus edulis	240
Utah Juniper	Juniperus osteosperma	120