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A SAVAGE BROTHERS COMPANY

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DIVISION OF OIL  
GAS & MINING

ACT 10/15/019  
#3

September 5, 1984

Mr. Lynn M. Kunzler  
Reclamation Biologist  
State of Utah  
Natural Resources & Energy  
Oil, Gas and Mines  
Salt Lake City, Utah 84114

Dear Mr. Kunzler:

The following seed mixes are presented in the MRP's for Interim Revegetation at the various mine sites (Wilberg, Deer Creek, Des-Bee-Dove).

<u>GRASSES</u>		<u>PLS</u> <u>lbs./acre</u>
Thickspike Wheatgrass	<u>Agropyron</u> <u>dasystachyum</u>	5
Western Wheatgrass	<u>A. smithii</u>	6
Salina Wildrye	<u>Elymus salina</u>	2
Indian Ricegrass	<u>Oryzopsis hymenoides</u>	4
Squirreltail	<u>Sitanion hystrix</u>	3
<u>FORBS</u>		
Pacific Aster	<u>Aster chilensis</u>	0.2
Northern Sweetvetch	<u>Hedysarum boreale</u>	10
Yellow Sweetclover	<u>Melilotus officinalis</u>	2
Alfalfa	<u>Medicago sativa</u>	2
Eaton Penstemon	<u>Penstemon eatoni</u>	1

It is proposed that the seed mixes be modified as follows:

- (1) Reduce Salina Wildrye to 1 lb/acre PLS.
- (2) Add Great Basin Wildrye, Elymus cinereus at 3 lbs/acre PLS.
- (3) Reduce Northern Sweetvetch to 1 lb/acre PLS.
- (4) Reduce Yellow Sweetclover and Alfalfa to 1 lb/acre PLS each.

All other species and rates remain as originally specified.

The modifications are proposed due to the limited availability of some species and the cost related to planting these species at the rates originally specified.

Application of the modified seed mixes at the rates indicated will result in approximately 76 grass seeds per square foot and approximately 36 forb seeds per square foot. These rates should be adequate for the sites and application methods identified in the MRP's.

Your consideration and assistance in this matter is greatly appreciated.

Sincerely,



Larry Guymon, P.E.  
Construction Manager

cc: Bill Zeller  
Jim Hamlin  
Morgan Moon  
Val Payne  
Chris Shingleton