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November 3, 1981

Mr. David R. Chenoweth
Environmental Coordinator
Arco Coal Company
555 Seventeenth Street
Denver, CO 80202

RE: Revegetation Seed Mix
Huntington Canyon #4 Mine
ACT/015/004
Emery County, Utah

Dear Dave:

The seed mix that you have proposed for the Huntington Canyon #4 Mine looks good for the most part. However, I do have a few comments and suggestions to make.

If you wish to use the introduced species in your list, you will have to justify them under the conditions of UMC 817.112. I am including a revised list that I developed using all native species. I believe that Salina wildrye is commercially available. However, if you are not able to find a seed source at the time of reseeding, you may substitute another species for it, or go with one less grass species. I am also suggesting replacing the pinyon and juniper plantings with shrubs that will be beneficial to wildlife. The pinyon and juniper will eventually invade from the surrounding community.

If you wish to discuss my suggestions further, please call me. You will need to submit a final species list for approval before any reseeding is done.

Sincerely,

Susan C. Linner
SUSAN C. LINNER
RECLAMATION BIOLOGIST

SCL/btm

RECOMMENDED RECLAMATION SEED MIXTURE FOR
HUNTINGTON CANYON #4 MINE

Grasses and Forbs--Total of 25 lbs/ac PLS to be broadcast or hydroseeded

Bluebunch wheatgrass	<u>Agropyron spicatum</u>
Indian rice grass	<u>Oryzopsis hymenoides</u>
Slender wheatgrass	<u>A. trachycaulum</u>
Streambank wheatgrass	<u>A. riparium</u>
Salina wildrye	<u>Elymus salina</u>
Mountain brome	<u>Bromus marginatus</u>
Hard fescue	<u>Festuca ovina duriuscula</u>

Pick Two

Utah sweetvetch	<u>Hedysarum boreale</u>
Globemallow	<u>Sphaeralcea grossulariaefolia</u>
Palmer penstemon	<u>Penstemon palmeri</u>

Shrubs--Total of 800-1,000 plants per acre

Pick Four

Curl leaf mountain mahogany	<u>Cercocarpus ledifolius</u>
Saskatoon serviceberry	<u>Amelanchior alnifolia</u>
Utah serviceberry	<u>Amelanchior utahensis</u>
Golden currant	<u>Ribes aureum</u>
Rubber rabbitbrush	<u>Chrysothamnus nauseosus var. albicaulis</u>
Squaw apple	<u>Peraphyllum ramosissimum</u>
Blue elderberry	<u>Sambucus cerulea</u>