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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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October 24, 1991

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Susan M. White, Reclamation Biologist *SMS*

RE: Seed Substitutions for Permanent Mixture, Sunnyside Coal Company, Sunnyside Mine, ACT/007/007, Folder #2, Carbon County, Utah

## Synopsis and Analysis

Sunnyside Coal Company will be seeding a small area this fall with the Pinyon-Juniper/Grass Vegetation Type permanent seed mixture. Karl Housekeeper called on October 24, 1991, to inform the Division that three of the seed species were unavailable this year: Elymus cinereus, Gilia aggregata, and Oenothera pallida.

## Recommendation

The operator was told to substitute Elymus cinereus for E. salina and to delete the other two forbs from the seed mixture. These substitutions and deletions are to be authorized for this year only. The operator was asked to report these changes in the seed mixture, along with the area seeded, in the 1991 annual vegetation report.

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