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November 2, 1989

TO: Richard V. Smith, Permit Supervisor

FROM: Henry Sauer, Reclamation Soils Specialist

RE: **Reclamation Repairs and Reseeding, California Portland Cement Company, Hidden Valley Mine, INA/015/007-89A, Folder #2, Emery County, Utah**

Synopsis

Plans were received from the operator on October 30, 1989, proposing installation of erosion control and reseeding of the Hidden Valley Mine. Work was proposed for an unspecified completion date sometime in November, 1989.

Analysis

All repair work must be specified and areas reseeded and receiving erosion control netting must be depicted on an appropriate map or plate. The operator must discuss all seedbed preparation proposed (examples: roughened surface-machinery utilized; contour furrowing--constructed to non-erosive grades; fertilization-type, amount, and application method [surficial or incorporated]).

Additionally, the operator must provide the revegetation seed mixture to include species, bulk seeding rates, pure live seeds per acre (i.e., purity and germination). If broadcast seeding occurs, then the seeds must be raked into the soil.

The viability of the seeds must be confirmed. Upon request, the U.S.D.A. will sample bulk seed free of charge and report the percent purity and percent germination at a later date.

The operator has proposed utilizing erosion control netting. The type of netting and the installation procedures employed must also be specified.

Recommendations

1. The operator must specify in the PAP, in writing within Section VI: Revegetation, all seedbed preparation and planting methods as well as type and installation of the erosion control netting.

2. The seedbed must be prepared to maximize surface roughness.

3. Erosion control netting must be installed so that the netting closely adheres to the soil surface.

4. Seed broadcast on the surface must be raked into the soil.

5. The U.S.D.A. must sample the proposed seed mixture to determine the percent of purity and germination.

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