

cc: C. Shingleton

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

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September 28, 1981

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Mr. M. Heward, Manager
Mining and Exploration
Utah Power & Light Company
P.O. Box 899 -- Annex
Salt Lake City, Utah 84110

RE: UP&L Waste Rock
Disposal
Des-Bee-Dove Mine
Wilberg Mine
ACT/015/017
ACT/015/018-B
Emery County, Utah

DIVISION OF

OIL, GAS & MINING

Dear Mr. Heward:

The Des-Bee-Dove and Wilberg Mine waste rock disposal plans have been reviewed by the Division as minor modification to the existing interim permits.

The Office of Surface Mining granted a verbal approval with stipulations on September 15, 1981 (personal communication with John Nadolski). The Division concurs with this approval and has incorporated the Office of Surface Mining's stipulations into the following:

Stipulation 9-25-1

The application will fulfill all stipulations of the Bureau of Land Management right-of-way.

Stipulation 9-25-2

Before UP&L disturbs the area, the following shall be evaluated and submitted to the Division:

A. 783.19 Vegetation Resources

Baseline data does not need to be collected from this site pursuant to existing pre-law disturbance. However, a standard for revegetation needs to be set. It is recommended that the range site description for vegetation type #1 in UP&L's Cottonwood Portal Modification Plan be used provided the following data be supplied or clarified:

1. The applicant makes a statement in section 1.7:
"The vegetation density is 70% of the ground cover."
The Division needs to know the percentage of vegetation which provides total aerial cover.
2. Pursuant to UMC 771.23(c and d), the following information is needed:
 - a. The names, title, and address of all persons and organizations which collected and analyzed the data.
 - b. Dates of collection and analysis.
 - c. Descriptions of all methodologies used to collect and analyze the data, including how the sample adequacy was derived with accompanying means, standard deviations and sample size.
3. The use of this standard is subject to Bureau of Land Management concurrence.

B 817.21 Topsoil General Requirements

The Bureau of Land Management and the Division, do not concur with the idea that soil materials within the 3.5 acre project area are not suitable for reclamation and that they should not be segregated. Therefore, the applicant is requested to analyze the top soil and subsoil in the disposal area for suitability. The following analysis should be utilized:

1. Ca, Mg, and Na (soluble in meg/l)
2. SAR
3. EC
4. pH
5. Available water and water holding capacity.
6. Textural class (% sand, silt and clay)
7. % rock fragments

If analysis shows material to be unsuitable for reclamation, then an appropriate substitute material must be proposed. If material does prove suitable then the depth of materials to be redistributed which assures revegetation must be discussed.

Stipulation 9-25-3

The following items shall be evaluated and submitted to the Division and Bureau of Land Management within six months of receipt of this approval.

A. 784.13 Reclamation Plan

The statement on page 9: "Forbs and shrubs will be seeded at a density of 1,000 plants per acre each." is not clear. Will the applicant use nursery stock (i.e., containerized or bare root seedlings) or will they seed these species at a rate that would provide 1,000 plants per acre? It should be indicated in the plan that the seeding rate is in terms of pure live seed.

The species used for temporary stabilization should suffice; however, those species for permanent revegetation are subject to Bureau of Land Management approval and stipulations.

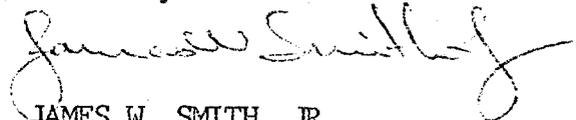
B. 784.13

- (b) (1) A detailed timetable for the completion of each major step in the reclamation plan is needed.
- (b) (5) A plan for revegetation, as required in UMC 817.111 - 817.116, should include, but not limited to, a description of the:

- i....Schedule of revegetation;
- ii...Species and amounts per acre of seeds and seedlings to be used (subject to BLM approval);
- iii..Methods to be used in planting and seeding
- iv...Mulching techniques, including the type of mulch and the rate of application;
- v....Irrigation, and pest & disease control measures to be used, if any;
- vi...Measures proposed to be used to determine the success of revegetation as required in UMC 817.116.

If you have further questions regarding these stipulations or the time frame imposed, please contact Sally Kefer or Lynn Kunzler of my staff.

Sincerely



JAMES W. SMITH, JR.
COORDINATOR OF MINED
LAND DEVELOPMENT

JWS:SK:vp
cc: Bob Hagen, OSM
Leon Berggren, BLM