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United States  
Department of  
Agriculture

Forest  
Service

Manti-La Sal  
National Forest

599 West Price River Dr.  
Price, Utah 84501

Reply to: 2820

Date: February 11, 1993

Roger Zortman  
District Manager  
Bureau of Land Management  
Moab District  
P.O. Box 970  
Moab, Utah 84532

*Copy ACT/015/018 #3*  
*ACT/015/019 #2*  
*ACT/015/017 #2*  
*Copy PAM*

Dear Mr. Zortman:

Forest Service personnel have completed field inspections of reclaimed sites associated with Utah Power and Light Company's 1983 and 1984 coal exploration programs on East Mountain.

We have determined that all of the reclaimed sites and access roads have been adequately reclaimed and vegetation meets required standards. We recommend that any remaining bond specific to these projects be released and the files closed.

If you have any questions, please contact us at the Forest Supervisor's Office in Price, Utah.

Sincerely,

/s/Aaron L. Howe

for  
GEORGE A. MORRIS  
Forest Supervisor

cc:D-3

Lowell Braxton  
State of Utah Natural Resources  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

C.Reed:tm  
*CR*

**RECEIVED**

FEB 16 1993

DIVISION OF  
OIL, GAS & MINING

*Copy FAM, Inada, Henry,  
Tom (call)*

**RECEIVED**

FEB 08 1993

DIVISION OF  
OIL GAS & MINING



February 4, 1993

Ms. Pamela Grubaugh-Littig  
Permit Supervisor  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: **SUBMITTAL OF TEST PLOT DRAWING AND PROCEDURES, PACIFICORP, DES  
BEE DOVE MINE, ACT/015/017 #2**

Dear Pamela,

In response to your January 20, 1993 letter, we submit the following amendment.

The installation of the test plots was completed on November 9, 1992. The original Test Plot Plan - 1992, submitted to the Division on 6-12-92, was followed with the exception of the deletion of the sewage sludge admixture and the treatment of 1,000 lbs/acre to all "Live Earth" admixture plots instead of the varied 1,200 to 800 lbs/acre. These changes are reflected in the added Figure 2 "as-built" drawing and the Plot Installation 11-9-92.

Upon approval, please add this letter along with the above referenced pages to the end of Appendix XVI of the permit. Also, please replace the Summary at the beginning of Appendix XVI with the revised Summary reflecting this amendment addition.

If there are any questions, please call Guy Davis or me at 653-2312.

Sincerely,

Val E. Payne  
Sr. Environmental Engineer

Enclosures

cc: Steve Kochevar  
J. Blake Webster

# DES BEE DOVE TEST PLOT - 1992

## PLOT INSTALLATION 11-9-92

### 1. Soil Sampling

- The test plot area was sampled at 3 locations and analyzed for the approved parameters. The locations were marked for further reference by a roof bolt.
- The Rocky Soil was sampled and analyzed for the same parameters.
- All soil samples were taken on 9-30-92

### 2. Plot Preparation

- The plots were roughened by a backhoe the week of Nov. 2nd.
- The plots were left with pocking to enhance local water retention.
- Disturbance was thorough to remove perennial roots which might be still alive

### 3. Admixture Implementation

- Approximately 1 cubic yard of Coal Waste material was raked evenly over plots 2 and 5.
- Approximately 1 cubic yard of Rocky Soil was raked evenly over plots 1 and 4.
- 10 lbs. (1,000 lbs/acre) of "Live Earth" was placed on plots 3,4 and 5 by a broadcasting with a hurricane spreader.
- The Sewage Sludge was not applied to plot 6 because of no application approval from the Divisions within the Department of Environmental Quality.

### 4. Seeding

- The approved Nursery Seedmix was broadcast over all plots (including plot 6), with the exception of plot 7.
- The collected Native Seedmix was broadcast over plot 7. (PLS of the native seedmix/plot matched the nursery seedmix/plot)
- The entire plot area was hand raked to incorporate the seed into the soil.

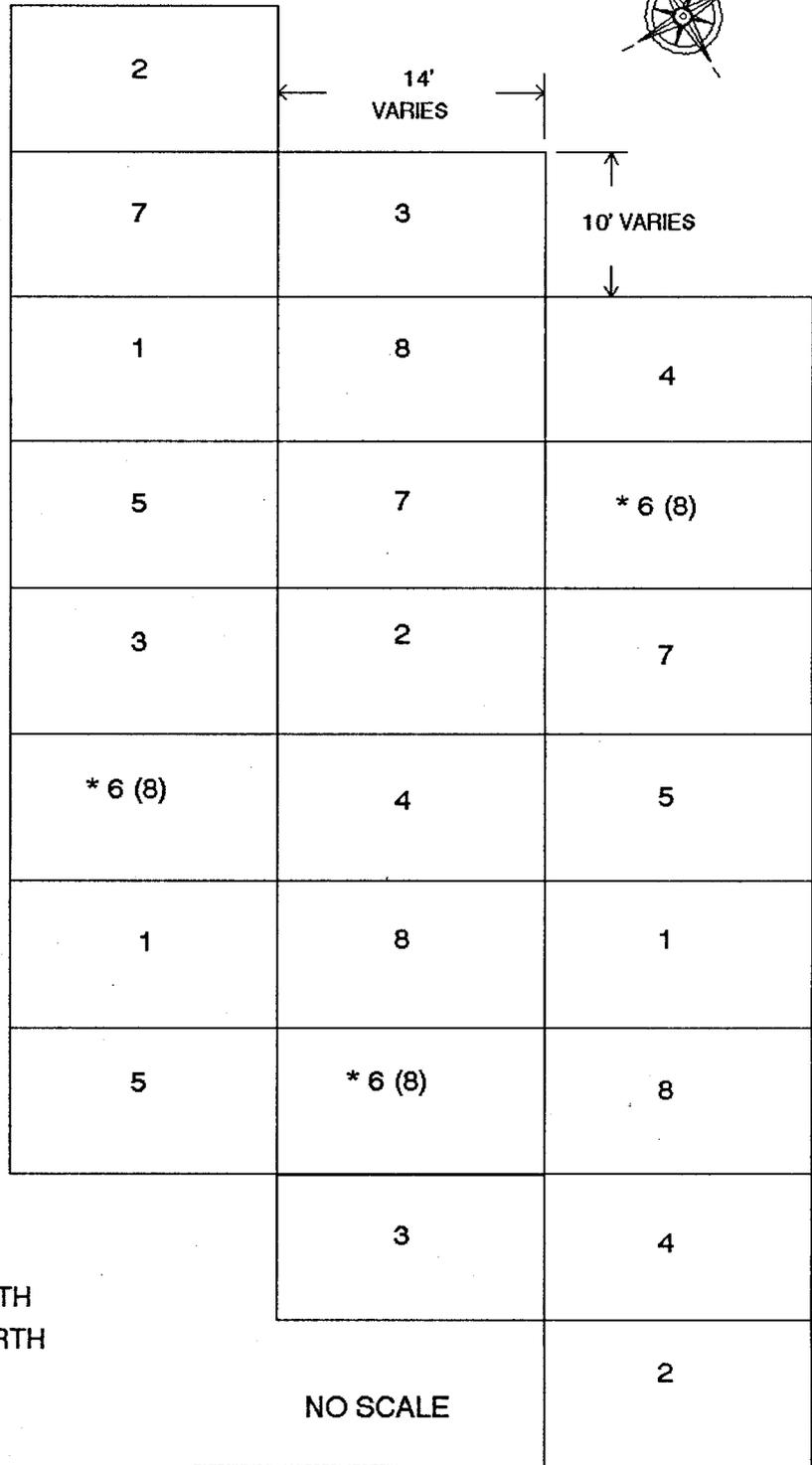
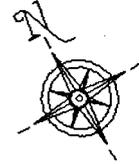
### 5. Mulching

- Curlex Blanket was placed on top to the surface of all plots. The blanket was installed according to manufacturer's recommendations.

# FIGURE 2

## DES BEE DOVE TEST PLOTS - 1992

### PLOT TREATMENTS/ADMIXTURES AS - BUILT



\* PLOT #6 WERE NOT APPROVED BY STATE AGENCIES. THESE PLOTS WERE TREATED WITH TREATMENT #8 ONLY

#### LEGEND

- 1. ROCKY SOIL
- 2. COAL WASTE
- 3. LIVE EARTH
- 4. ROCKY SOIL AND LIVE EARTH
- 5. COAL WASTE AND LIVE EARTH
- 6. SEWAGE SLUDGE \*
- 7. NATIVE SEED
- 8. NURSERY SEED

NO SCALE

APPENDIX XVI

SUMMARY

1. JULY 25, 1990 LETTER TO MR. DAVID SMALDONE FROM MS. PAMELA GRUBAUGH-LITTIG
2. JULY 12, 1990 MEMO FROM TOM MUNSON TO MS. PAMELA GRUBAUGH-LITTIG
3. TEST PLOTS - OUTLINE
4. JULY 31, 1990 LETTER TO MS. PAMELA GRUBAUGH-LITTIG FROM VAL PAYNE (WITH AERIAL PHOTOS)
5. HAUL ROAD RECLAMATION STUDY
6. DES BEE DOVE EROSION TASK FORCE AGENDA
7. NOVEMBER 13, 1991 MEMO TO TASK FORCE MEMBERS FROM GUY DAVIS
8. DES BEE DOVE HAUL ROAD RECLAMATION STUDY RUNOFF AND SEDIMENT YIELD MONITORING PROGRAM (WITH DRAWING)
9. SEPTEMBER 25, 1992 LETTER TO MS. PAMELA GRUBAUGH-LITTIG FROM VAL PAYNE
10. FEBRUARY 4, 1993 LETTER TO MS. PAMELA GRUBAUGH-LITTIG FROM VAL PAYNE