



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

Norman H. Bangertter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84119-1203  
801-538-5340

Partial:      Complete: XX Exploration:     

Inspection Date & Time: 11/30 & 12/1, 1993/08:00am-04:00pm

Date of Last Inspection: July 13, 1993

Mine Name: Des Bee Dove County: Emery Permit Number: ACT/015/017

Permittee and/or Operator's Name: Pacificorp Electric Operations

Business Address: P. O. Box 1005, Huntington, UT 84528

Type of Mining Activity: Underground XX Surface      Prep. Plant      Other     

Officials(s): State: Bill Malencik Company: Karl Houskeeper

Federal Official(s):      Weather Conditions: Clear/Warm 60's Dry Mine Site

Existing Acreage: Permitted-2847 Disturbed-78 Regraded-     Seeded-     Bonded-78

Increased/Decreased: Permitted-     Disturbed-     Regraded-     Seeded-     Bonded-    

Status: Exploration/Active/XXXInactive/XXXTemp Cessation\*\*\*\* Bond Forfeiture

Reclamation (     Phase I/     Phase II/     Final Bond Release/     Liability      Year)

\*\*\*\*2/6/87

### REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

#### Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
  - For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
  - For partial inspections check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	[XX]	[ ]	[ ]	[ ]
2. SIGNS AND MARKERS	[XX]	[ ]	[ ]	[ ]
3. TOPSOIL	[XX]	[ ]	[ ]	[ ]
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	[XX]	[ ]	[XX]	[ ]
b. SEDIMENT PONDS AND IMPOUNDMENTS	[XX]	[ ]	[XX]	[ ]
c. OTHER SEDIMENT CONTROL MEASURES	[XX]	[ ]	[XX]	[ ]
d. WATER MONITORING	[XX]	[ ]	[XX]	[ ]
e. EFFLUENT LIMITATIONS	[XX]	[ ]	[XX]	[ ]
5. EXPLOSIVES	[ ]	[XX]	[ ]	[ ]
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	[XX]	[ ]	[XX]	[ ]
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	[XX]	[ ]	[XX]	[ ]
8. NONCOAL WASTE	[XX]	[ ]	[ ]	[ ]
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	[XX]	[ ]	[ ]	[ ]
10. SLIDES AND OTHER DAMAGE	[XX]	[ ]	[XX]	[ ]
11. CONTEMPORANEOUS RECLAMATION	[XX]	[ ]	[ ]	[ ]
12. BACKFILLING AND GRADING	[ ]	[XX]	[ ]	[ ]
13. REVEGETATION	[XX]	[ ]	[ ]	[ ]
14. SUBSIDENCE CONTROL	[XX]	[ ]	[XX]	[ ]
15. CESSATION OF OPERATIONS	[XX]	[ ]	[ ]	[ ]
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	[XX]	[ ]	[XX]	[ ]
b. DRAINAGE CONTROLS	[XX]	[ ]	[XX]	[ ]
17. OTHER TRANSPORTATION FACILITIES	[XX]	[ ]	[ ]	[ ]
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	[XX]	[ ]	[XX]	[ ]
19. AVS CHECK (4th Quarter-April, May, June)	[XX]	[ ]	[ ]	[ ]
20. AIR QUALITY PERMIT	[ ]	[XX]	[ ]	[ ]
21. BONDING & INSURANCE	[XX]	[ ]	[XX]	[ ]

PERMIT NUMBER: ACT/O15/O17 DATE OF INSPECTION: 11-30 & 12-1, 1993

(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL COMMENTS -

The instant inspection fulfilled a two fold purpose, (1) quarterly complete as specified by the Division and (2) oversight evaluation by OSM. Karl Houskeeper, Energy West employee accompanied the undersigned on the total inspection. Tom Wright represented OSM. Other's representing the permittee include Val Payne and Guy Davis.

PERMIT -

According to the historical records mining started at the current mine site in about 1898. The mine had several previous owners and was acquired by UP&L in 1972. UP&L and current owner, PacifiCorp have controlled and operated the mine under an approved permit issued by DOGM.

In 1987, the mine requested and was granted temporary cessation under the Utah Coal Mining Regulations. The reason as stated in the record related to economic conditions.

The coal/mineral estate is controlled by both patented owners and the federal government. The Division on July 8, 1993 approved dropping lease SL-050133 from the permit boundary. The aforementioned federal lease lies in TWP 17S, R & E, SLM, PM and more particularly described as the W $\frac{1}{2}$  SE $\frac{1}{4}$ , Sec. 24. No surface disturbance resulted as a result of this lease when it was in force.

RECORDS -

Certified Maps and designs were reviewed prior to the inspection which are part of the approved mining and reclamation plan.

DOGM Mining & Reclamation permit was first issued to Utah Power & Light on 8/29/85. The permit has been renewed and is in the name of PacifiCorp.

MSHA permits for the mine and portals are as follows:

Deseret 42-00988  
Beehive 42-00082  
Little Dove 42-01393

ROW permits BLM/Waste Rock/Roads; USFS/Road/Surface Facilities

Temporary Cessation - Des Bee Dove has been on approved temporary cessation since 2/6/87 (Ref. MRP-3-1). Approximately 649 acres of minable coal remains collectively in the Blind Canyon and Hiawatha coal seams (Ref. MRP-3-3).

Liability Insurance on file covering period 2/24/93 - 2/24/94.

UPDES permit was reviewed and discharge report for each month covering the three quarters of current year 1993.

Water monitoring record reviewed.

Sediment pond quarterly inspections for the 1st, 2nd and 3rd quarters are on file. Annual inspection and certified report on file.

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Annual Report submitted for current year 1992.

Subsidence survey reports on file and part of the annual report.

FIELD -

Observed some of the erosion study areas together with the as built concerns concerning this matter. Also, obtained a copy of the erosion surveys conducted on the road outslope. (See Attachment #1).

Warehouse (also containing bathhouse and offices) was damaged by snow as mentioned in the previous report. Since that time, last report, the permittee has removed the building. Work was done by contract and cleanup work is still pending under the contract and should be completed promptly.

Sediment pond contained water and was below the discharge level and well below the primary spill way. The pond was not discharging during the inspection. No leaks were observed nor any seeps on or adjacent to the embankment.

Other Sediment Control - All silt fences were observed. The second silt fence adjacent to the sediment pond shows evidence of recent work. Some channel protection was evident adjacent to the first silt fence where it discharges in a controlled manner across the road.

Roads were observed. A few rocks had become dislodged from the undisturbed area and were observed on the haul road. The rocks were small and did not impede traffic in either lane.

The ancillary road above the main substation is a matter of concern, but not a compliance issue at this time. The operator stated they would commit to performing on site work before it becomes a compliance problem.

The primary road below the tipple and above the gate had a large rock that was partially in the ditch. The operator removed the rock during the inspection.

The primary road ditch from the tipple to the office was being cleaned during the inspection.

The operator promptly performed some minor work on the water bars on the ancillary road near the pumphouse.

SUMMARY -

In summary at the closeout, suggestions were made as follows and no objections and/or disagreements were voiced by the permittee:

(1) Update surface facilities map since the building removal has been approved by the Division and it remains on the map. Also, include other changes as needed such as labeling roads i.e., primary or ancillary even though these are described in the MRP text.

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- (2) Finish cleaning the warehouse pad.
- (3) Install supplementary disturbed markers even though existing markers are observable from one to another.
- (4) Routine maintenance on the ancillary road lying above the main substation to the upper pad.
- (5) Retack and tar the lower beltline that controls road runoff on the haul road lower outslopes.

A matter of discussion concerned erosion on the primary road above the sediment pond. A review of the record shows that in response to concerns, the operator has taken steps to eliminate runoff from discharging over the outslopes. The first step was to eliminate runoff from the upper blacktop road by installing a beltline to intercept and discharge the flow away from the outslopes. This was done in about 1986.

The second, in 1991, in response to a TDN and ultimately a NOV, the operator contour furrowed and later seeded a bench area lying adjacent to the upper road beltline and the road outslope. The subsequent effort eliminated all runoff from discharging over the upper outslope. At the same time, beltline was installed together with a protected diversion to intercept and discharge in a controlled manner runoff from the lower road segment. This was done to minimize erosion on the lower road outslope.

Two study areas have been setup. The first treatment of an eroded outslope that was regraded and various treatments applied. This was done prior to 1991.

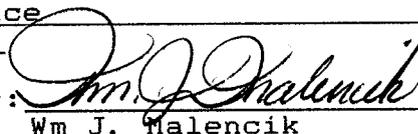
The second study area was established on a portion of the contour furrowed area and erosion outslope to determine if 1991 efforts resulted in minimizing erosion. The study would run for three years at which point in time information would be gathered and analyzed to determine what addition efforts if any would be needed to solve problems as identified by the erosion studies and a follow up on prior concern.

Mr. Wright took a copy of some of the study erosion results and stated he was concerned about the erosion. Further, that he would discuss this matter with his supervisor because it was a potential compliance issue.

Copy of this Report:

Mailed to: PacifiCorp Electric Operations  
Mailed to: Bernie Freeman (OSM)  
Given to: Joe Helfrich (DOGM)  
Filed to: Price Field Office  
Date: December 16, 1993

Inspector's Signature and Number:

  
Wm J. Malencik

#26

cc: pgl

**DES BEE DOVE EROSION STUDY (HAUL ROAD)**

**NOVEMBER 22, 1993**

<b>SITE #1</b>	<b>DEPTH:</b>	<b>2.9'</b>
	<b>WIDTH</b>	<b>1.9' → 9.3' = 7.4'</b>
<b>SITE #2</b>	<b>DEPTH:</b>	<b>2.5'</b>
	<b>WIDTH:</b>	<b>1.5' → 6.4' = 4.9'</b>
<b>SITE #3</b>	<b>DEPTH:</b>	<b>2.15'</b>
	<b>WIDTH:</b>	<b>2.0' → 7.1' = 5.1'</b>
<b>SITE #4</b>	<b>DEPTH:</b>	<b>4.7'</b>
	<b>WIDTH:</b>	<b>1.8' → 8.4' = 6.6'</b>

\* **NO SIGNS OF RECENT EROSION  
BERMS ARE IN GOOD SHAPE**

**VEGETATION MONITORING:**

- **ALL TREATMENTS APPEAR TO HAVE MOSTLY WEED SPECIES.**
- **SOME TREATMENTS ON THE UPPER AND MIDDLE ROW OF THE PLOT HAVE SOME GRASS ESTABLISHED ALONG THE WATER CONTAINMENT AREA. THE GRASS DOES NOT APPEAR TO BE MORE PREVALENT ON ONE PARTICULAR TREATMENT.**

**DES BEE DOVE EROSION STUDY (HAUL ROAD)**

**OCTOBER 1, 1993**

<b>SITE #1</b>	<b>DEPTH:</b>	<b>2.8'</b>
	<b>WIDTH</b>	<b>2.5' → 10.0' = 7.4'</b>
<b>SITE #2</b>	<b>DEPTH:</b>	<b>2.4'</b>
	<b>WIDTH:</b>	<b>2.0' → 6.4' = 4.4'</b>
<b>SITE #3</b>	<b>DEPTH:</b>	<b>2.15'</b>
	<b>WIDTH:</b>	<b>2.0' → 7.0' = 5.0'</b>
<b>SITE #4</b>	<b>DEPTH:</b>	<b>4.7'</b>
	<b>WIDTH:</b>	<b>1.3' → 7.9' = 6.6'</b>

**DES BEE DOVE EROSION STUDY (HAUL ROAD)**

**JUNE 1, 1993**

<b>SITE #1</b>	<b>DEPTH:</b> 2.75'
	<b>WIDTH:</b> 2.7'-10.4' = 7.7'
<b>SITE #2</b>	<b>DEPTH:</b> 2.35'
	<b>WIDTH:</b> 2.1'-7.1' = 4.0'
<b>SITE #3</b>	<b>DEPTH:</b> 2.2'
	<b>WIDTH:</b> 1.8'-6.8' = 5.0'
<b>SITE #4</b>	<b>DEPTH:</b> 4.65'
	<b>WIDTH:</b> 1.2'-7.8' = 6.6'

**DES BEE DOVE EROSION STUDY (HAUL ROAD)**

**OCTOBER 1, 1992**

<b>SITE #1</b>	<b>DEPTH:</b>	<b>2.85'</b>
	<b>WIDTH:</b>	<b>1.4' TO 8.5' = 7.1'</b>
<b>SITE #2</b>	<b>DEPTH:</b>	<b>2.45'</b>
	<b>WIDTH:</b>	<b>1.5' TO 6.2' = 4.7'</b>
<b>SITE #3</b>	<b>DEPTH:</b>	<b>2.95'</b>
	<b>WIDTH:</b>	<b>1.9' TO 6.0' = 4.1'</b>
<b>SITE #4</b>	<b>DEPTH:</b>	<b>6.1'</b>
	<b>WIDTH:</b>	<b>2.0' TO 7.8' = 5.8'</b>

DES BEE DOVE EROSION STUDY (HAUL ROAD)

SEPTEMBER 3, 1992

SITE #1	DEPTH	2.9'
	WIDTH	3.0' TO 10.1' = 7.1'
SITE #2	DEPTH	2.5'
	WIDTH	2.0' TO 6.8' = 4.8'
SITE #3	DEPTH	2.95'
	WIDTH	2.4' TO 6.5' = 4.1'
SITE #4	DEPTH	6.1'
	WIDTH	1.9' TO 7.7' = 5.8'

**DES BEE DOVE EROSION STUDY (HAUL ROAD)**

**MAY 29, 1992**

**SITE #1            DEPTH 3.05'  
                      WIDTH 7.2'**

**SITE #2            DEPTH 2.45'  
                      WIDTH 4.7'**

**SITE #3            DEPTH 3.1'  
                      WIDTH 4.0'**

**SITE #4            DEPTH 6.3'  
                      WIDTH 6.0'**

**SEPTEMBER 10, 1991**

**DBD JUNCTION ROAD EROSION SITES:**

**SITE #1:            DEPTH 5.4'**  
**WIDTH 1.9' TO 9.4' = 7.5'**

**SITE #2:            DEPTH 3.2'**  
**WIDTH .8' TO 5.5' = 4.7'**

**SITE #3:            DEPTH 4.2'**  
**WIDTH 1.0' TO 4.9' = 3.9'**

**SITE #4:            DEPTH 7.7'**  
**WIDTH 5' TO 6.5' = 6'**

**JUNE 20, 1991**

**DBD JUNCTION ROAD EROSION SITES:**

<b>SITE #1:</b>	<b>DEPTH 4.55'</b> <b>WIDTH 3'5" TO 10' = 6'7" OR 6.58'</b>
<b>SITE #2:</b>	<b>DEPTH 2.9'</b> <b>WIDTH 2'4" TO 7' = 4'8" OR 4.67'</b>
<b>SITE #3:</b>	<b>DEPTH 4.2'</b> <b>WIDTH 2'3" TO 5'11" = 3'8" OR 3.67'</b>
<b>SITE #4:</b>	<b>DEPTH 7.25'</b> <b>WIDTH 0'11" TO 6'9" = 5'10" OR 5.83'</b>

November 27, 1990

DBD Junction Road Erosion Sites:

Site #1: Depth 4.5'  
Width 1'8" to 8'9" = 7'1" 7.08

Site #2: Depth 2.85'  
9" to 5'4" = 4'7" 4.58

Site #3: Depth 4.0'  
Width 2'2" to 5'8" = 3'6" 3.6

Site #4: Depth 6.9'  
Width 1'8" to 7'4 1/2" = 5'8 1/2" 5.71

September 27, 1990

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

RE: TERMINATION OF MANDATORY INSPECTION OF DES BEE DOVE JUNCTION  
ROAD

Dear Ms. Grubaugh-Littig:

Since September 1985, UP&L Mining Division and formerly Emery Mining have complied with an inspection program set up as abatement to past violations and concerns following the construction of the road project. Compliance with the program required the inspection of drainage controls and conveyance structures, including 4 monitoring sites, during the months of May, July and September.

The road is now having less concerns in these areas and we feel that the mandatory program is no longer necessary for continued compliance. Routine inspections by the Mining Division of the road will continue to be conducted by Mining Division personnel and any concerns will be addressed.

The Mining Division will continue to monitor the 4 sites at the fill slope area as part of the Reclaimability Study.

The above recommendations have been discussed with DOGM Hydrologist, Tom Munson. He also sees no value in continuing the inspection program and supports our proposal.

If you have any questions, please call me at 687-9821 ext. 263.

Sincerely,

*Guy Davis*

Guy Davis  
Environmental Engineer

GD/do

cc: Dee Jense  
Scott Child



# State of Utah

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801-538-5340

October 5, 1990

Mr. Dee W. Jense, Managing Director  
Permitting, Compliance and Services  
Utah Power and Light Company  
Mining Division  
324 South State Street  
P.O. Box 26128  
Salt Lake City, Utah 84126-0128

Dear Mr. Jense:

Re: Termination of Responsibility to Complete Quarterly Des-Bee-Dove Junction Road Form, Des-Bee-Dove Mine, ACT/015/017, Folder #3, Emery County, Utah

This letter will inform you that your responsibility to complete the mandatory quarterly inspection forms for the Des-Bee-Dove Junction Road is terminated effective October 5, 1990. This approval does not preclude the operator from maintaining the site and regular inspections of this site will be conducted.

Sincerely,

Pamela Grubaugh-Littig  
Permit Supervisor

jbe

cc: Val Payne  
Tom Munson  
ATDESBEE-J