

0009



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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Norman H. Bangerter  
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 84180-1203  
801-538-5340

## INSPECTION REPORT

INSPECTION DATE & TIME: October 29 - 30, 1991  
8:30 a.m. - 5:00 p.m.; 8:00 a.m. - 3:00 p.m.

Permittee and/or Operators Name: PacifiCorp Electric Operations  
Business Address: One Utah Center, 201 S Main, Suite 2100, SLC, UT 84140-002  
Mine Name: Deer Creek Permit Number: ACT/015/018  
Type of Mining Activity: Underground X Surface      Other       
County: Emery  
Company Official (s): Guy Davis  
Federal Official (s): Jeff Zingo  
State Official(s): Ken Wyatt, Susan White  
Partial:      Complete: X Date of Last Inspection: 09/26/91  
Weather Conditions: Cold, overcast, w/ snow (10/29); Clear, cold (10/30)  
Acreage: 14,668 Permitted 56 Disturbed      Regraded      Seeded      Bonded 56  
Enforcement Action: issuance of NOV N91-7-1-1

### COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	(X)	( )	( )	(X)
2. SIGNS AND MARKERS	(X)	( )	( )	(X)
3. TOPSOIL	(X)	( )	( )	(X)
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	(X)	( )	( )	(X)
b. DIVERSIONS	(X)	( )	( )	(X)
c. SEDIMENT PONDS AND IMPOUNDMENTS	(X)	( )	( )	(X)
d. OTHER SEDIMENT CONTROL MEASURES	( )	(X)	( )	(X)
e. SURFACE AND GROUNDWATER MONITORING	(X)	( )	( )	(X)
f. EFFLUENT LIMITATIONS	(X)	( )	( )	(X)
5. EXPLOSIVES	(X)	( )	( )	(X)
6. DISPOSAL OF DEVELOPMENT WASTE & SPOIL	(X)	( )	( )	( )
7. COAL PROCESSING WASTE	(X)	( )	( )	(X)
8. NONCOAL WASTE	(X)	( )	( )	(X)
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	( )	( )	(X)	( )
10. SLIDES AND OTHER DAMAGE	( )	( )	(X)	( )
11. CONTEMPORANEOUS RECLAMATION	(X)	( )	( )	( )
12. BACKFILLING AND GRADING	( )	( )	(X)	( )
13. REVEGETATION	(X)	( )	( )	( )
14. SUBSIDENCE CONTROL	(X)	( )	( )	(X)
15. CESSATION OF OPERATIONS	(X)	( )	(X)	( )
16. ROADS				
a. CONSTRUCTION	( )	( )	(X)	( )
b. DRAINAGE CONTROLS	(X)	( )	( )	( )
c. SURFACING	( )	( )	(X)	( )
d. MAINTENANCE	( )	( )	(X)	( )
17. OTHER TRANSPORTATION FACILITIES	(X)	( )	( )	(X)
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	( )	( )	(X)	( )

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(Comments are Numbered to Correspond with Topics Listed Above)

1. PERMITS

All permits were available and in order. Documents examined included:  
The mine permit was issued to UP&L on February 8, 1991. The permit was re-issued to Pacificorp Electric Operations on February 15, 1991

Liability insurance policy: \$ 35 million from Aegis Insurance Services expires February 24, 1992.

Reclamation bond: a general purpose rider from American Casualty Company #9272158 for \$1,724,000,000.00 effective September 22, 1991.

Sediment pond quarterly inspection.

Waste rock disposal site quarterly inspection.

NPDES permit # UT-0023604 effective February 11, 1988 and expires October 31, 1992.

A Division of Air Quality permit was examined for the waste rock disposal area. BAQE-733-88 was issued December 9, 1988. A recent request was submitted to change the quantity from 30,000 tons per year disposed to 50,000.

The Deer Creek Spill Prevention and Counter Control (SPCC) plan was examined. It was stamped by Steven Kochever PE#7889.

Several special use permits (SUP) were examined, they include:  
US Forest Service SUP dated March 7, 1979 for 5.85 acres for the Deer Creek Mine Parking.

A US Bureau of Land Management SUP was issued July 1, 1987 for the re-establishment of the 1/4 corner monument for the section corner of sections 10 and 11 T17S R7E located on the upper material storage pad.

2. SIGNS AND MARKERS

The mine identification sign has the old Pacificorp address. Pacificorp is currently changing this address at all of their mines entrances. Perimeter markers, topsoil signs and stream buffer zone signs were in place.

3. TOPSOIL

Topsoil is salvaged along the access road to the waste rock disposal area and around the perimeter of this facility.

4a. HYDROLOGIC BALANCE: STREAM CHANNEL DIVERSIONS

All stream channel diversions were unobstructed.

4b. HYDROLOGIC BALANCE: DIVERSIONS

Disturbed area diversions were in good shape. The diversion below the material storage pad draining water from the north side of the road to the lower material storage pad was beginning to erode the downslope. This is a concrete lined channel but water had escaped the inlet causing erosion of the downslope. The operator should backfill this erosion and increase the berm at the top of this channel to keep water in the concrete lined ditch to prevent additional erosion.

4c. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The mine sediment pond was well below the discharge pipe inlet. The emergency spillway was measured and was as designed. The temporary sediment pond used during the main pond cleaning was still in place. The lining had been removed. Pacificorp intends to backfill and regrade this area.

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- 4d. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES  
The Deer Creek Mine permit identifies 12 Alternative Sediment Control Areas (ASCAs) at the mine site, along the conveyor system, and at the waste rock facility. These areas were all examined and were in good condition. Two areas along the C2 conveyor belt were pointed out to the operator that some maintenance should be performed to insure that drainage does not leave the permit area. The ditch and treatment were in place, however the freeboard was not very much. The operator should upgrade the berm or silt fences in these two areas, located between sections 37 and 38 and adjacent to the leachfield.  
  
The silt fences on the northwest corner of the waste rock disposal area was deteriorated from UV light. Additionally, several sections were damaged by recent runoff from outside the permit area. Mr. Davis said that this area was examined during the quarterly inspection done on the waste rock disposal area on September 19th. He said the silt fence was intact at that time. NOV N91-42-1-1 was issued for failure to maintain sediment control structures. The operator was given until November 15, 1991 to repair and replace the damaged and deteriorated silt fence material. Mr. Davis called on November 5th and said that the repair work had been completed.
- 4e. HYDROLOGIC BALANCE: SURFACE AND GROUNDWATER MONITORING  
Surface and groundwater monitoring results were examined in the operators's office. These samples were complete with no effluent violations observed. The mine water discharge was sampled during the inspection from the sump where the water enters the pipe to go to the power plant. these samples are currently being analyzed.
- 4f. HYDROLOGIC BALANCE: EFFLUENT LIMITATIONS  
A sample of the Deer Creek Mine water discharge was collected at the inflow to the power plant pipe. The analytical results showed no detectable oil and grease and suspended solids at 20.4 mg/l.
- 5. EXPLOSIVES  
No explosives have been used this year.
- 7. COAL PROCESSING WASTE  
Coal processing waste is disposed of at the waste rock site. This facility was inspected. Water was still present in the sediment basin. The silt fence along the northwest corner of the waste rock facility was damaged. NOV N91-42-1-1 was issued. See discussion in section 4d. above.
- 8. NONCOAL WASTE  
Noncoal waste is temporarily stored along the north end of the mine pad. During the inspection a dumpster truck was seen loading this material for disposal.
- 14. SUBSIDENCE CONTROL  
The most recent subsidence monitoring plan was examined in the operator's office. Several areas of subsidence have been mapped on top of East Mountain. Up to 26 feet of subsidence has been recorded. In these areas, the subsidence is gradual and blends in to the local topography.
- 17. OTHER TRANSPORTATION FACILITIES  
The conveyor system that transfers coal down canyon to the power plant stockpile includes numerous ASCAs. These areas were inspected. See discussion in section 4d above.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Blake Webster & Guy Davis (PEO)  
Given to: Joe Helfrich (DOGM)

Inspectors Signature: Ken Wyzal #7 Date: 11/15/91