

0023



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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John Pyle

INSPECTION REPORT

INSPECTION DATE & TIME: March 18 - 19, 1991
10:30 a.m. - 4:00 p.m.; 8:30 a.m. - 12:00 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): Val Payne, Jerry Pollack, Mike Dennis, Chuck Semborski
Federal Official (s): None
State Official(s): Ken Wyatt
Partial: ___ Complete: X Date of Last Inspection: 02/18/92
Weather Conditions: Cold, Partly cloudy,
Acreage: 14,668 Permitted 56 Disturbed ___ Regraded ___ Seeded ___ Bonded 56
Enforcement Action: None

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)	()	()	(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)	()
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)

The mine permit area was covered with anywhere from 0 to 20 inches of snow depending on the slope aspect.

1. PERMITS

All permits were available and in order. Documents examined included:

The mining permit was issued to Pacificorp Electric Operations on February 15, 1991, signed by Dianne Nielson for the Division, and J. Brett Harvey for Pacificorp.

A Liability insurance policy number X0296A1A92 for 35 million dollars from Aegis Insurance Services expires February 24, 1993 and is retroactive to December 24, 1986. The Division is the certified holder for this policy.

The reclamation bond is a general purpose rider from American Casualty Company #9272158 for \$1,724,000,000.00 effective December 6, 1990.

A January 7, 1992, letter from Blake Webster submitted the fourth quarter Engineering Reports. These inspections were certified by Mr. Webster, Professional Engineer # 7728, and included:

- Sediment pond inspection reports conducted on December 19, 1991. It stated that the pond was cleaned during the fourth quarter and the water level (ice) was at 7223.13 feet.
- The original waste rock disposal site quarterly inspection conducted December 20, 1991. No additional material was added during this quarter and no problems were noted.
- The active waste rock disposal site quarterly inspection conducted December 20, 1991. 9,762 cubic yards of rock were added during this quarter. The sediment pond was about 25 % full of water and no stability problems were noted.
- Elk Canyon storage pad site quarterly inspection conducted December 20, 1991. No additional material was added during this quarter. Approximately 3,000 tons of coal are stored here. No problems were noted.

Water discharges are governed by UPDES permit # UT-0023604 effective February 11, 1988 and expires October 31, 1992. The operator is reminded of the requirement to reapply for this permit 180 days prior to it's expiration date as specified on page 15 of the UPDES permit.

2. SIGNS AND MARKERS

The mine identification sign has been updated with the current address. Perimeter markers, topsoil signs and stream buffer zone signs were in place.

3. TOPSOIL

Topsoil salvaged during construction of the waste rock disposal site is stored along the access road to the waste rock disposal area and around the perimeter of this facility. No problems were observed with these stockpiles.

4a. HYDROLOGIC BALANCE: STREAM CHANNEL DIVERSIONS

All undisturbed stream channel diversions were unobstructed and no flow was observed in any of these inlets.

4b. HYDROLOGIC BALANCE: DIVERSIONS

Disturbed area diversions were in good shape. The operator had backfilled an area of erosion on the sides of the diversion below the material storage pad draining water from the north side of the road to the lower material storage pad.

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4c. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The sediment pond was discharging 26 gallons per minute. A sample of this water was collected and submitted for analysis. The results are tabulated below.

<u>Deer Creek Sediment Pond Discharge</u>		<u>UPDES daily maximum Standard</u>
Total Suspended Solids	4 mg/l	70 mg/l
Total Dissolved Solids	3910 mg/l	2000 lbs./day
Oil & Grease	< 2 mg/l	10 mg/l

The UPDES permit standard for Total Dissolved Solids is 2000 pounds per day. The laboratory reports 3910 mg/l. The flow rate at this time was 26 gallons per minute. Through simple conversions, the pond was discharging 1222 pounds TDS per day.

$$\frac{3910 \text{ mg}}{\text{liter}} \times \frac{26 \text{ gal.}}{\text{min.}} \times \frac{60 \text{ min.}}{\text{hour}} \times \frac{24 \text{ hours}}{\text{day}} \times \frac{3.785 \text{ liters}}{\text{gal.}} \times \frac{\text{pound}}{453600 \text{ mg}} = \frac{1222 \text{ pounds}}{\text{day}}$$

4d. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES

Sediment control structures throughout the mine site were in good repair. some areas were showing signs of wear from the wind. The baling wire used to fasten the silt fence material to the roof bolt supports had ripped the fabric. The fences were still functioning and the operator is examining his options for installing a lower maintenance material.

A pipe designed to channel water under the sediment pond access road was frozen. This was causing the seep water to run down the sediment pond access road into the silt fence sediment basins where the conveyor crosses the road. This pipe was thawed during the inspection and the flow was returned to its normal path.

4e. HYDROLOGIC BALANCE: SURFACE AND GROUNDWATER MONITORING

Surface and groundwater monitoring results for the fourth quarter 1991, were examined in the operator's office. These data were complete and in accordance with the approved plan.

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, tabulated below, show Total Suspended Solids, and Total Dissolved Solids and Oil and Grease. No excessive values were detected.

<u>Deer Creek Mine Water Discharge (DCD)</u>	
Total Suspended Solids	12 mg/l
Total Dissolved Solids	458 mg/l
Oil & Grease	3 mg/l

5. EXPLOSIVES

No explosives have been used during the fourth quarter 1991.

6. DISPOSAL OF DEVELOPMENT WASTE & SPOIL

Approximately 9,762 yds. of waste rock were placed in the waste rock disposal site during the fourth quarter 1991.

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 fences around the perimeter of this facility were in good shape. A few areas were showing signs of wear due to the wind. The operator said that they were planning to replace sections of this fence this spring.

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8. NONCOAL WASTE
Noncoal waste was being handled in a controlled manner in the noncoal waste storage area.
14. SUBSIDENCE CONTROL
The annual subsidence monitoring report has not been completed. Mr. Payne stated that Pacificorp would be requesting an extension of the March deadline to complete these reports. This was granted in a March 26, 1992 letter from Pam Grubaugh-Littig to Mr. Val Payne. The previous year's report was available for inspection.
17. OTHER TRANSPORTATION FACILITIES
The conveyor system sediment control system was intact. Water was observed impounded behind several of the silt fences where the conveyor crosses the road as discussed 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 Wyatt #7 Date: 3/31/92