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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

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INSPECTION REPORT

INSPECTION DATE & TIME: May 19 - 20, 1992
12:00 a.m. - 4:30 p.m.; 8:00 a.m. - 3:05 p.m.

Permittee and/or Operators Name: PacifiCorp Electric Operations
Business Address: 1 Utah Ctr, 201 S Main, Suite 2100, SLC, UT
Mine Name: Deer Creek Permit Number: ACT/015/018
Type of Mining Activity: Underground X Surface Other
County: Emery
Company Official (s): Jerry Pollack, John Christensen, Val Payne
Federal Official (s): None
State Official(s): Ken Wyatt
Partial: Complete: X Date of Last Inspection: 4/28/92
Weather Conditions: Partly cloudy, rain showers, cool, 50 - 60°
Acreage: 14,668 Permitted: 78 Disturbed Regraded Seeded
Bonded 78 Enforcement Action: Issuance of NOV N92-7-2-1

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)	()	()	(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)	()	()	(X)
14. SUBSIDENCE CONTROL	(X)	()	()	()
15. CESSATION OF OPERATIONS	(X)	()	(X)	()
16. ROADS				
a. CONSTRUCTION	()	()	(X)	()
b. DRAINAGE CONTROLS	(X)	()	()	(X)
c. SURFACING	()	()	(X)	()
d. MAINTENANCE	()	()	(X)	()
17. OTHER TRANSPORTATION FACILITIES	(X)	()	()	()
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	()	()	(X)	()

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PERMIT NUMBER: ACT/015/018

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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 five year permit was re-issued to J. Brett Harvey of Pacificorp Electric Operations on February 15, 1991, by Dianne Nielson of the Division.

A liability insurance policy for \$35 million from Aegis Insurance Services Ltd. is effective from February 24, 1992, through February 23, 1993.

A reclamation agreement between the Division and PEO was signed on December 13, 1990. A reclamation bond for \$1,724,000,000.00 was dated December 6, 1990

The sediment pond first quarter, 1992, inspection report was conducted on March 23, 1992. The top ice elevation during the inspection was 7226.43 feet. No stability problems were noted.

Waste rock disposal site first quarter, 1992, inspection report dated March 23, 1992. 7,544 cubic yards of waste were placed in this facility during the first quarter. The sediment facility was 10 percent filled with water. This report was stamped by Blake Webster of Pacificorp.

NPDES permit # UT-0023604 effective February 11, 1988 and expires October 31, 1992. A request for renewal and a proposal to change monitoring requirements was submitted. The proposed change was to reduce pH monitoring from weekly to monthly.

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 of waste rock from 30,000 tons per year to 50,000. Payment for this permit was submitted on October 22, 1991.

The Deer Creek Spill Prevention and Counter Control (SPCC) plan dated September 24, 1990, 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.

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1. PERMITS (Continued)

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.

A US Bureau of Land Management SUP #18934, was issued on October 26, 1972, by Bob Anderson of the BLM, for a 12.5 KV powerline.

A US Bureau of Land Management SUP #52401, was issued on July 3, 1986 for a Right of way for the water line the power plant to the mine

A Division of State Lands and Forestry (SL&F) permit for installation of an 8 inch water line through a State Lands section. This was from Stan Baker of the SL&F.

2. SIGNS AND MARKERS

The mine identification sign is current. 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. Little vegetation is growing on it.

4a. HYDROLOGIC BALANCE: STREAM CHANNEL DIVERSIONS

The Huntington Power Plant received .73 inches of rain between the evening of May 19 and late afternoon on May 20. Flow was observed in the Deer Creek drainage early on May 20. The undisturbed culvert inlet was clear and unobstructed. Flow was .05 feet on a 24 inch parshall flume which equates to 35 gallons per minute.

Evidence of recent flow was observed in the Elk Canyon and Deer Drainages but no flow was occurring. All stream channel diversion inlets were unobstructed.

4b. HYDROLOGIC BALANCE: DIVERSIONS

The diversion that drains the terraces south of the mine was in need of maintenance. Rock and debris has sloughed off of the cut slope and was partially blocking the diversion. This material will need to be removed. Tension cracks were observed on the out slope of this terrace just above the office building. The crack was about an inch wide and about 60 feet long. This should be watched to see if it increases or is stable.

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4c. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The sediment pond was discharging .11 feet on a 90° V notch weir. This calculates to 4.7 gallons per minute. The water quality was good.

4d. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES

The silt fences/sediment traps used in many of the Alternative Sediment control areas were in need of maintenance. Recent rains had filled the basins with water. Several of these structures were being circumvented by water piping down under the silt fences or around the end. Additionally, holes and rips were observed in a couple of the fences. As a result NOV No. N92-7-2-1 was issued as follows:

NOTICE OF VIOLATION No. N92-7-2-1

Nature of the Violation

Failure to design, construct and maintain sediment control measures.

Provisions of the act, regulations or permit violated

R645-301-742

Portion of the operation to which notice applies

Sediment control measures consisting of silt fence/sediment traps located along the mine access road and along the conveyor belt line near IU 110 - 111.

Remedial action required

Maintain or re-construct these sediment control measures in accordance with the approved design.

Abatement Deadline

2 weeks; no later than 5:00 pm on Wednesday June 3, 1992.

Water samples were collected from the silt fence/sediment trap under the conveyor where it crosses the road. The sediment control structure was not functioning properly as it was being undercut. A second sample was collected from a functional silt fence/sediment basin to compare the difference. Settleable solids and total suspended solids analyses are being performed on these samples but results have not yet been returned from the laboratory.

4e. HYDROLOGIC BALANCE: SURFACE AND GROUNDWATER MONITORING

Surface and groundwater monitoring results for the first quarter 1992 were examined in the operators's office. These samples were complete with no effluent violations observed. The Deer Creek flume was reading .31 which equals 877 gallons per minute.

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5. EXPLOSIVES

The explosive storage area was inspected. All storage units were locked. The operator has contracted to have rock tunnels developed through the most recently encountered fault which will require the use of explosives. This work will be ongoing through out the summer. Explosives records will need to be examined during the next complete inspection.

6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL

Material generated during development of the rock tunnels will be disposed of underground. This material will not be placed in the waste rock site.

7. COAL PROCESSING WASTE

Coal processing waste is disposed of at the waste rock site. This facility was inspected. Less than a foot of water remains in the sediment basin. The sediments from the Deer Creek sediment pond are looking dry. This material will

7. COAL PROCESSING WASTE (Continued)

be spread out later this summer for complete drying prior to final disposal. The seep at the south end of the site has decreased to a trickle. The silt fences around the perimeter of this site was in good repair. The operator continues to maintain these fences.

8. NONCOAL WASTE

Noncoal waste is temporarily stored in a concrete bunker on the north end of the mine pad. This waste was being stored in a controlled manner.

13. REVEGETATION

Vegetation is looking good on the ASCA areas along the road and conveyor. Areas that were recently seeded include the top of the sediment pond embankment, the edges of the temporary sediment pond. Kochia is the most prominent plant at this time with a few grasses and clover.

16b. ROADS: DRAINAGE CONTROLS

The culvert draining the ditch past the explosives access road was partially silted in. The area just below this culvert outlet was slowing down flow which resulted in the sediment depositing at the outlet. This should be cleaned before the next inspection.

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: 05/27/92