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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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INSPECTION REPORT

INSPECTION DATE & TIME: September 16-17, 1992
1:00 p.m. - 5:00 p.m.; 8:00 a.m. - 3:30 p.m.

Permittee and/or Operators Name: PacifiCorp
Business Address: P.O. Box 1005 Huntington, Utah 84528
Mine Name: Deer Creek Mine Permit Number: ACT/015/018
Type of Mining Activity: Underground X Surface Other
County: Emery
Company Official (s): J. Christensen, K. Houskeeper, C. Semborski
Federal Official (s): Mitch Rollings
State Official(s): Ken Wyatt
Partial: Complete: X Date of Last Inspection: 8/11/92
Weather Conditions: Partly cloudy, warm, 70's
Acreage: 14,668 Permitted: 78 Disturbed Regraded Seeded
Bonded 78 Enforcement Action: Issuance of NOV N92-7-3-1

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)	()	()	(X)
13. REVEGETATION	(X)	()	()	()
14. SUBSIDENCE CONTROL	(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)	()	()	()
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	(X)	()	()	()

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(Comments are Numbered to Correspond with Topics Listed Above)

1. PERMITS

Permits that were available and inspected at the huntington field office included:

The mine permit issued to UP&L on February 8, 1991 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. On September 11, 1992, PEO submitted a revised bond in the amount of \$2,000,000. This was signed by Dianne Nielson on September 17, 1992.

The mine's sediment pond inspection for the second quarter 1992, was conducted on June 29, 1992. The top water elevation was 7221.33 feet. No stability problems were noted.

The as built designs were available for the mine sediment pond. The as builts for the waste rock site sediment pond were not readily available. A new copy of these were delivered to the Division's Salt Lake City office on September 25, 1992.

Waste rock disposal site second quarter 1992, inspection was conducted on June 29, 1992. This included the waste rock site's sediment pond. This report listed the percent of water in the pond. Future inspections should record the water elevation and sediment levels as specified in R645-301-514.300.

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

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 area.

A Bureau of Land Management (BLM) Right of Way (ROW) #52401, was issued on July 3, 1986 for the water line from the mine to the power plant.

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

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2. SIGNS AND MARKERS

The mine identification sign is current. Topsoil signs, perimeter markers and stream buffer zone signs were in place.

3. TOPSOIL

Topsoil is salvaged along the shoulders of the waste rock disposal area access road and around the perimeter of this facility. The material is mainly Mancos Shale and has some vegetation growing on it, mainly annual weeds.

4a. HYDROLOGIC BALANCE: STREAM CHANNEL DIVERSIONS

According to Chuck Semborski, the Huntington Power Plant received .21 inches the morning of September 16 and late evening. Evidence of minor flow in Deer Creek was observed but it was not flowing at this time. The undisturbed culvert inlet was clear and unobstructed.

Evidence of recent flow was also observed in the Elk Canyon and Deer Canyon but no flow was occurring. All stream channel diversion inlets in these two canyons were clear and 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. According to Val Payne this area is not part of the disturbed area and the mining company does not maintain these diversions. The tension cracks on the out slope of this terrace just above the office building have partially filled in with soil and have not increased since the May 1992 inspection.

A Division Order was sent to the operator on September 10, 1992. This should resolve a permit defect and clarify the final reclamation of the ROM conveyor bench. The maintenance and reclamation responsibility of the two diversions associated with the terraces may be resolved in this Division Order otherwise a second order will be prepared to resolve this issue.

4c. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The sediment pond was discharging .21 feet on a 90° V notch weir. This calculates to 22.1 gallons per minute. The water was sampled for Total Suspended Solids, Total Dissolved Solids, Oil and Grease and Settleable Solids. Samples were split with Pacificorp, OSM and the Division. No results have been returned from the laboratory.

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4c. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS (Continued)

Recent rain had occurred at this site but no surface runoff was occurring and the pond's discharge was the result of water used to wash down the tipple area and to wash machinery at the upper pad. It was agreed upon that the settleable solids criteria did not apply in this case since no surface runoff was occurring due to precipitation.

The inlet to the sediment pond was eroded and in need of repairs. Continual erosion has undercut the grouted inlet channel and caused water to flow in several channels down slope into the pond. The mine plan design for this inlet was examined and calls for a grouted channel to convey water into the pond over the steep section in a controlled manner. NOV N92-7-3-1 was issued to Pacificorp for this problem. Mr. Payne was informed of this NOV on September 23, 1992 via telephone. It reads as follows:

NOTICE OF VIOLATION No. N92-7-3-1

Nature of the Violation

Failure to maintain sediment control measures.

Provisions of the act, regulations or permit violated

R645-301-742.113

R645-301-742.123

R645-301-752.210

Portion of the operation to which notice applies

Mine site sediment pond inlet.

Remedial action required

Maintain, re-construct or replace the grouted sediment pond inlet channel in accordance with the approved design or obtain approval for an alternative channel design.

Abatement Deadline

1 month; no later than 5:00 pm on Wednesday October 21, 1992.

4d. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES

The silt fences/sediment traps used in many of the ASCAs were functioning as required. Water was being retained in the majority of these facilities. This includes areas along the conveyor line, the waste rock site and access road.

4e. HYDROLOGIC BALANCE: SURFACE AND GROUNDWATER MONITORING

Surface and groundwater monitoring results for the second quarter 1992 were examined in the operators's office. These samples were complete. Monitoring results for July and August were observed in Mr. Davis's in box awaiting filing.

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5. EXPLOSIVES

The explosives storage area was inspected. All storage units were locked or were empty. No explosives have been used in the surface operations.

6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL

Waste rock was being temporarily stored on the material storage pad adjacent to the gravel and road base storage area. This material was actively being hauled to the waste rock disposal facility. When this temporary storage is removed or low, Pacificorp needs to regrade the pad in this area as described in Backfilling and Grading below. The second quarter inspection report for the waste rock site was available.

7. COAL PROCESSING WASTE

Coal processing waste is disposed of at the waste rock site. This facility was inspected. Very little water remains in the sediment basin. The sediments from the Deer Creek sediment pond were trenched with a trackhoe to examine the water content at depth. This material is fairly dry and should soon be spread out over the surface of the refuse pile for final disposal.

8. NONCOAL WASTE

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

12. BACKFILLING AND GRADING

A low area was observed on the upper material storage pad where gravel and road base material is stored just east of the new concrete dock. This area must be filled and re-graded to provide positive drainage towards the drop inlets.

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: 09/25/92