



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

Handwritten signature

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Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

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Partial: Complete: X Exploration:

Inspection Date & Time: September 14, 1993/8:00 am - 2:30 pm

Date of Last Inspection: August 31, 1993

Mine Name: Deer Creek County: Emery Permit Number: ACT/015/018

Permittee and/or Operator's Name: PacifiCorp

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

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

State Official(s): Ken Wyatt

Company Official(s): Karl Houskeeper

Federal Official(s): None

Weather Conditions: Clear, warm

Existing Acreage: Permitted-14,668 Disturbed-56 Regraded- Seeded- Bonded-56

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

Status: Exploration/ X Active/ Inactive/ Temporary Cessation/ Bond Forfeiture

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

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- 1. Substantiate the elements on this inspection by checking the appropriate performance standard.
a. 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.
b. For partial inspections check only the elements evaluated.
2. Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

Table with 5 columns: Item, EVALUATED, N/A, COMMENTS, NOV/ENF. Contains 21 rows of inspection items with checkboxes.

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PERMIT NUMBER: ACT/015/018

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(Comments are Numbered to Correspond with Topics Listed Above)

1. **PERMITS, CHANGE, TRANSFER, RENEWAL, SALE**

The following permits and approvals were examined and at the operators field office.

The mining permit dated February 8, 1991, signed by Dianne Nielson. This permit was transferred to PacifiCorp on February 15, 1991.

A storage tank and containment structure was submitted to DOGM on March 30, 1993. Approval was granted on April 23, 1993. Construction of this facility is still ongoing.

UPDES permit #UT-0023604 was issued to the Deer Creek Mine on November 24, 1992, effective December 1, 1992 through November 30, 1997.

An auxiliary fan and adjacent spring re-routing was proposed by the operator on May 3, 1993. Approval for construction was given by the Division on May 20, 1993. The operator was installing the auxiliary fan adjacent to the existing fan.

Several large boulders on the cut slope above this fan were removed and the slope gunited. The spring that drains from this cut slope was not segregated from the drainage from the fan pad. According to the MRP and the approved fan installation, a retaining wall was to be constructed to separate these drainages. NOV N93-7-1-3 # 1 of 3 was written for this area. It reads as follows:

NOTICE OF VIOLATION No. N93-7-1-3 # 1 of 3

Nature of the Violation

Failure to conduct coal mining activities in accordance with the approved mining and reclamation plan.

Provisions of the act, regulations or permit violated

R645-300-143

Portion of the operation to which notice applies

Spring diversion behind Deer Creek fan where auxiliary fan is being installed.

Remedial action required

Provide temporary sediment controls until fan construction work is complete and retaining wall is constructed.

Abatement Deadline

Immediately; no later than Thursday September 16, 1993.

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2. **SIGNS AND MARKERS**

The mine identification sign, perimeter markers, stream buffer zone and topsoil signs were posted as required.

4a. **HYDROLOGIC BALANCE: DIVERSIONS**

The undisturbed diversions in Deer Creek, Deer Canyon and Elk Canyon were all unobstructed and dry with the exception of Deer Creek where flow was observed in this drainage above the mine.

The operator recently conducted maintenance of the first terrace above the mine office and the ROM conveyor. (See NOV N93-7-1-3 #3 of 3 below) Some of the material that was removed during this maintenance work was pushed off of the outslope of the terrace where it rolled down hill into the disturbed area diversion adjacent to the office/bath house. Up to 5 feet of debris was observed in the disturbed area diversion. NOV N93-7-1-3 #2 of 3 was issued for this area. It reads as follows:

NOTICE OF VIOLATION No. N93-7-1-3 # 2 of 3

Nature of the Violation

Failure to maintain diversions.

Provisions of the act, regulations or permit violated

R645-301-742.300

Portion of the operation to which notice applies

Diversion south of Deer Creek office/bath house building where rock and debris from the terrace cleaning was placed.

Remedial action required

Remove rock and debris from this diversion.

Abatement Deadline

1 week; no later than 5:00 pm on Thursday September 16, 1993.

The operator has worked on the first terrace above the mine office and ROM conveyor bench. This area is outside of the delineated disturbed area as defined by the perimeter markers. A track hoe was used to clean the diversion where sloughage from the slope above had partially blocked the drainage. Since this area is outside of the disturbed area and the operator does not assume reclamation responsibility for this area NOV N93-7-1-3 #3 of 3 was issued and reads as follows:

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NOTICE OF VIOLATION No. N93-7-1-3 # 3 of 3

Nature of the Violation

Failure to conduct coal mining activities only as described in the approved mining and reclamation plan.

Provisions of the act, regulations or permit violated

R645-300-142

UCA 40-10-9 (1)

Portion of the operation to which notice applies

Terrace diversion above the office/bath house and the ROM conveyor bench.

Remedial action required

- 1.) Cease all unpermitted activities outside of the approved disturbed area as defined by the perimeter markers on the south side of the office/bath house until permitted.
- 2.) Obtain a valid permit for this area or perform reclamation of said terrace in accordance with the R645 rules.

Abatement Deadline

- 1.) Immediately; no later than Thursday September 16, 1993.
- 2.) 30 days; no later than 5:00 pm on October 15, 1993.

4b HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The second quarter 1993 sediment pond inspection was conducted by Guy Davis and Jerry Pollock on June 22, 1993. The water level at the mine pond was recorded at 7222.88 feet. Sediment levels were measured at .57 acre feet which leaves an additional 1.3 acre feet of sediment capacity. The water level at the waste rock pond was 6311.4 feet. The sediment level was at 0 which leaves .59 acre feet. No stability or other problems were noted.

The mine sediment pond was discharging 0.13 feet on a 90 degree V-notch weir. This equals about 7 gallons per minute.

4c. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES

The silt fences around the perimeter of the waste rock site were examined. Some areas have recently been maintained as evidenced by new fabric. The catch basin/silt fences along the conveyor line were in good repair.

4d. HYDROLOGIC BALANCE: WATER MONITORING

Water monitoring data was examined for the second quarter 1993. Some of the July water monitoring data was also available.

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Water levels on the Deer Creek (DCR04) flume was 0.17 feet. This equals 356 gallons per minute.

4e. **HYDROLOGIC BALANCE: EFFLUENT LIMITATIONS**

The following table summarizes the Deer Creek Mine discharge for the first two quarters of 1993.

MONTH	DISCHARGE (GPD)
January	1,336,320
February	1,221,120
March	1,569,600
April	1,166,400
May	1,074,240
June	1,118,880

Recent monitoring showed the sediment pond discharging 360 gallons per day with a TDS level of 1823 mg/l. The UPDES permit allows discharges of up to 2,000 pounds per day of salts. The level reported equals 5.5 pounds per day.

6. **DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES**

Excess waste rock is hauled to the permitted waste rock disposal area located near the mine in Huntington Canyon. Trucks were observed hauling material to this site. The operator is reminded that dust suppression is required for the roads accessing this site.

8. **NONCOAL WASTE**

Noncoal waste is temporarily stored in a dumpster on the north side of the main pad prior to disposal. Non coal waste was observed at the waste rock site intermixed with the waste rock. Prior to leveling the refuse lifts, this waste is picked and sorted from the waste rock and hauled to the landfill with the mine's other non coal waste.

13. **REVEGETATION**

The operator is reminded that areas disturbed during the repair of the conveyor line drainage system will need to be re-seeded this fall. This includes the outcrops where the 30 inch culvert replaced the 24 inch culvert.

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14. **SUBSIDENCE CONTROL**

The 1992 Subsidence monitoring report was available in the field office. The operator indicated that the area was flown in August 1993 for this years subsidence monitoring.

18. **SUPPORT FACILITIES/UTILITY INSTALLATIONS**

The operator was working on the construction of the storage tank/containment during this inspection. Several concrete trucks were observed pouring the foundation for this structure.

21. **BONDING & INSURANCE**

The Deer Creek Mine has a bond for \$2,000,000 signed by the previous Division director Dianne Nielson on September 17, 1992. The bonding company is American Casualty Company. An attached rider states that if the cooperative agreement between the State of Utah and the Office of Surface Mining is terminated then the bond would become payable to the U.S. Department of the Interior.

Insurance is provided by Associated Electric and Gas Insurance Services Ltd. Certificate number 27804 was issued from February 24, 1993 through February 24, 1994, and covers \$1,000,000 general and \$35,000,000 aggregate.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Carl Housekeeper (PacifiCorp)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: _____

Ken Wyatt

#7 Date: September 29, 1993