



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

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Partial: ___ Complete: X Exploration: ___

Inspection Date & Time: December 15, 1993/11:00 am - 4:30 pm

Date of Last Inspection: November 23, 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: Cold, cloudy, snow

Existing Acreage: Permitted-14,740 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

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

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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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.

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. This construction is still incomplete. The majority of the work is complete but the fan blades are not yet installed.

An amendment was submitted in August 1993 requesting approval to construct a sediment containment box on the mine sediment pond embankment. A deficiency letter was sent to the operator on December 16, 1993. See discussion under Hydrologic Balance: Diversion below.

The operator has submitted an amendment to install a roof over the storage docks which were constructed last year on the material storage pad. This amendment was approved on December 14, 1993. Materials were observed in place awaiting construction.

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 not flowing. Deer Creek below the mine was frozen.

Nov 93-7-1-3 was issued during on September 16, 1993. Parts 1 and 2 have been remedied and terminated. Part 3 had an original abatement deadline of October 15, 1993 which was extended on October 15, 1993 until October 29th. The Division met with the operator on October 20, 1993 to discuss this NOV and the required abatement. On November 1, 1993, the operator was granted a second extension until December 3, 1993. On December 3, 1993, the operator submitted some material in an effort to abate. This information is still under Division review.

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During this inspection I discussed with the operator what additional information would be required to abate the NOV. At this time the operator needs to include this area into the mines disturbed area. Plate 3-9 could be modified to show the actual disturbed area boundary. This would then incorporate the first terrace into the disturbed area and it would be included into the Permit. When the Division finalizes it's Approximate Original Contour (AOC) policy the entire Deer Creek Mine permit will need to be re-evaluated in reference to AOC and final reclamation.

4b HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The third quarter 1993 sediment pond inspection was conducted by Guy Davis and Jerry Pollock on September 29, 1993. The water level at the mine pond was recorded at 7222.98 feet. Sediment levels were measured at .60 acre feet which leaves an additional 1.27 acre feet of sediment capacity. The waste rock pond was dry. The sediment storage capacity was .59 acre feet. No stability or other problems were noted.

The mine sediment pond was discharging 0.18 feet on a 90 degree V-notch weir. This equals about 15 gallons per minute.

4c. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES

The silt fences along the access road to the waste rock site were intact. The catch basin/silt fences along the conveyor line were filled with snow. No flow was observed in these ditches.

4d. HYDROLOGIC BALANCE: WATER MONITORING

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

Deer Creek at the flume (DCR04) was frozen solid.

4e. HYDROLOGIC BALANCE: EFFLUENT LIMITATIONS

Recent water monitoring showed the sediment pond discharging as follows:

<u>MONTH</u>	<u>GPM</u>	<u>GPD</u>	<u>TDS</u>	<u>COND.</u>
June 28	9.8	14,112	1344	1850
July 16	0.25	360	1823	3090
August 23	3.5	5040	2642	4050
September 20	8.0	11,520	1218	2170

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The following table summarizes the Deer Creek Mine discharge through the third quarter 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
July*	1,608,480
August*	1,800,000
September*	83,520

*: Indicates flows extrapolated from instantaneous sample flow rate.

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. No trucks were observed hauling material during the inspection.

8. NONCOAL WASTE

Noncoal waste is temporarily stored in a dumpster on the north side of the main pad prior to disposal. This waste was recently removed as evidenced by the empty dumpster.

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 preparing to construct the covers for the storage docks. Materials were in place awaiting construction.

21. BONDING & INSURANCE

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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: December 23, 1993