



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

John

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Michael O. Leavitt
Governor

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Division Director

Partial:___ Complete: XXX Exploration:___

Inspection Date & Time: 6/8/99 9:00a.m.-3:00p.m.

Date of Last Inspection: 5/13/99

Mine Name: Cottonwood/Wilberg Mine County: Emery Permit Number: ACT/015/019

Permittee and/or Operator's Name: PacifiCorp

Business Address: P.O. Box 310, Huntington, Utah 84528

Type of Mining Activity: Underground XXX Surface___ Prep. Plant___ Other___

Company Official(s): Chuck Semborski, Bob Willey

State Officials(s): Bill Malencik Federal Official(s): None

Weather Conditions: Cloudy, Upper 50's

Existing Acreage: Permitted- 10508 Disturbed- 102 Regraded-___ Seeded-___ Bonded- 102

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

Status: Exploration/ XXX 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) <u>6/8/99</u> (date)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT
(Continuation sheet)

PERMIT NUMBER: ACT/015/019

DATE OF INSPECTION: 6/8/99

(Comments are Numbered to Correspond with Topics Listed Above)

SUMMARY

- No violations were issued as a result of the instant inspection.
- The amendment on the 4,000 acres permit relinquishment is still pending. Two unfinished items include water issues on and adjoining Cottonwood Springs; non-coal waste certification.
- Phase I Bond Release application is in the process of final review for a portion of the reclaimed Cottonwood waste rock site.
- Miller Canyon reclamation plan was submitted to the Division on 6/4/99.
- Reclamation completed of the Cottonwood Fan Portal in November 1998.

*Accompanied by Messrs. Semborski and Willey, we spent the most of the time on the reclaimed Cottonwood Fan Portal.

*These were the consensus items and our conclusions:

- 1) No tension cracks were observed that would indicate instability on any areas, including escarpments and bench areas.
- 2) The constructed new diversion segment is stable and no undercutting or erosion was observed. The runoff is diverted into an undisturbed slick rock channel.
- 3) The depressions have suppressed any chance for sheet erosion.
- 4) An excellent stand of planted grasses, forbes, and brouse were observed on the hydro-seeded and matted areas.

1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE

Permits and other authorizations are documented in the MRP. Highlights are as follows:

- DOGMA permit expires July 6, 1999.
- Federal Coal Leases from BLM.
- UPDES permit from DEQ.
- Air Quality approval order from DEQ.
- USFS special use permit.
- BLM ROW.

2. SIGNS AND MARKERS

The mine has ID signs and markers posted as shown on the following tabulation.

SITE	ID SIGN	MSHA REFUSE SIGN	MARKERS		
			DISTURBED	TOPSOIL	STREAM BUFFER ZONE
Cottonwood/Wilberg Mine	✓		✓	✓	✓
Cottonwood Waste Rock Site	✓	✓	✓	✓	
Cottonwood Fan Portal	✓		✓	✓	

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3. TOPSOIL

Topsoil is currently stored at the mine, waste rock sites, and Cottonwood Fan Portal.

4A. HYDROLOGIC BALANCE: DIVERSIONS

The Cottonwood/Wilberg Mine complex has two undisturbed diversions and numerous disturbed diversions. The diversions are designed and details are included in the MRP.

A culvert in the east and west fork of Grimes Wash convey undisturbed runoff beyond the mine disturbed area.

The majority of the disturbed diversions convey runoff to, ultimately, five sediment ponds.

4B. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

There are five sediment ponds. Two at the Cottonwood/Wilberg mine, MSHA ponds, and commonly referred to as the north and south impoundments.

There are two small sediment ponds at the Cottonwood Fan Portal. These are incised sediment ponds.

One sediment pond collects runoff from the active waste rock site.

All impoundments are designed and details included in the MRP on the north and south impoundments. MSHA made a determination as follows:

- (1) The capacity of both ponds are such that MSHA approval was granted.
- (2) Both ponds would be inspected monthly and a variance was granted.
- (3) Both ponds would not require an open channel spillway per OSM granted variance.

The annual 1998 inspection report was completed on all ponds. The impoundment quarterly inspections were completed for the first quarter. The monthly MSHA inspection was completed for the previous month.

4C. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES

The mine utilizes sumps, silt fences, and straw bales to treat disturbed runoff. Most of the aforementioned devices are redundant control measures.

The mine has nine approved alternative sediment control sites where the runoff is controlled by alternative sediment control measures. These areas include Miller Canyon, sewer absorption field, Cottonwood Fan Portal, waste rock site outslope, guard station, conveyor pad, tube conveyor access road, Wilberg fan, and 9th east breakout.

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4D. HYDROLOGIC BALANCE: WATER MONITORING

Water monitoring for the fourth quarter 1998 was complete and the data submitted to Pam Grubaugh-Littig on March 3, 1998.

The permittee conducted gain/loss measurements above and below Cottonwood Springs above the Trail Mountain Mine. The permittee's graphic covers flows each year from 1978 to 1998 for the same date. The 10 year variation goes from 0 flow to a high of 110 G.P.M. The flow as of March 26, 1999 was nearly 100 G.P.M..

4E. HYDROLOGIC BALANCE: EFFLUENT LIMITATIONS

The mine has a UPDES permit from DEQ. The permit includes mine discharges and the balance are sediment pond discharges. One of the outfalls for mine water is Miller Canyon.

Reports for the last monthly period were submitted to responsible agencies.

5. EXPLOSIVES

Explosives are stored in a disturbed area near the Wilberg Fan. No surface blasting has taken place this calendar year.

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

Coal mine waste is stored west of State Highway 57 on federal land. The permittee has a ROW grant from BLM. Waste rock site services the Cottonwood/Wilberg, Trail Mountain, and Des Bee Dove mines.

The site east of the road has been reclaimed; west of the road is the active site. The quarterly report for the first quarter was completed.

8. NONCOAL WASTE

Noncoal waste is stored on the surface of the mine site in a designated area. Thereafter, the waste is transported to and stored at an approved landfill.

13. REVEGETATION

Page 4-14 outlines the vegetation monitoring schedule including test plots. A secondary table shows final reclamation monitoring schedules.

14. SUBSIDENCE CONTROL

Subsidence for CY 1997 was included in an annual report. The field work for CY 1998 was completed in the fall of 1998 and data submitted with the annual report.

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19. AVS CHECK

The AVS check was completed.

20. AIR QUALITY PERMIT

Air Quality Order is on file as approved by DEQ.

21. BONDING AND INSURANCE

The insurance has recently been renewed for another year. The current surety bond payable to the Division of Oil, Gas, and Mining totals \$2,071,098.00.

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas, and Mining.

Copy of this Report:

Mailed to: Chuck Semborski (PacifiCorp) Henry Austin (OSM)
Given to: Joe Helfrich (DOGM) Filed to: Price Field Office
Date: June 10, 1999

Inspector's Signature:  #26
Wm. J. Malencik