



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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INSPECTION REPORT

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Partial: _____ Complete: XXX Exploration: _____
Inspection Date & Time: 10/17/2000 / 8 am-3 pm
Date of Last Inspection: 10/11/2000

Mine Name: Cottonwood/Wilberg Mine County: Emery Permit Number: ~~0015019~~
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): Mr. Dennis Oakley
State Official(s): Peter Hess, Rec Spec III Federal Official(s): None
Weather Conditions: Clear, cold/sunny, 30's to 40's Fahrenheit
Existing Acreage: Permitted 11508 Disturbed 102 Regraded _____ Seeded _____
Status: Active XXX

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

- 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 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 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 type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL ISSUES	<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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 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 (4 th Quarter- April, May, June)	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

PERMIT NUMBER: C/015/019

DATE OF INSPECTION: 11/7/2000

(COMMENTS ARE NUMBERED TO CORRESPOND WITH TOPICS LISTED ABOVE)

2. SIGNS AND MARKERS

The permittee needs to install additional disturbed area perimeter markers in the Cottonwood Canyon area to accurately reflect the disturbance here as shown on drawing #KS171OD, Cottonwood Fan Portal Surface Facilities Map, Phase I Reclamation. Although this inspector's main concern is the area which has not been reclaimed, a discussion concerning the maintenance of perimeter markers until Phase III bond release is approved was held with Mr. Oakley, (see R645-301-521.244). Mr. Oakley agreed to install the necessary markers, indicating that it would be necessary to order them.

There are two permittee identification signs in place in the area. Both are located on the Emery County road, one being up canyon of the disturbed area, and the other down canyon.

4B. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The third quarter impoundment inspections for the Cottonwood Mine site and waste rock site were conducted by Mr. Guy Davis, who is an MSHA qualified impoundment inspector/instructor. Mr. Davis' inspection did not note any problems or hazardous conditions.

One question which was raised during today's inspection concerned the fact that the North and South impoundments at the Cottonwood Mine site are classified as MSHA impoundments. These have been inspected for quite some time on a quarterly basis. Although the permittee was able to produce documentation that approval to inspect these impoundments on a quarterly basis had been given by MSHA, the plan which had incorporated this reduction in inspection frequency could not be produced. Mr. Oakley indicated that he would continue to investigate the situation, such that a copy of the MSHA approved plan could be provided for future inspection verification. That was the intent of this investigative process.

4C. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES

The Cottonwood Mine site contains four alternate sediment control areas. These are:

- 1) the guard station area.
- 2) the conveyor bent pad, which is a pad for the conveyor support structure for the beltline which comes out of the Cottonwood Mine (product comes from Trail Mountain Mine).
- 3) the tube conveyor access road (area lies SE of the Cottonwood Mine fan).
- 4) the Wilberg Mine fan area (located on the NW side of Grimes wash).

These areas were inspected this day. The methods of treatment which are used in these areas appeared adequate. Snow covered some of the areas. The silt fences and straw bales which were in place appeared to be in good repair.

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The Deer Creek Mine Ninth East portals area which has been reclaimed was briefly looked at. This area is adjacent to the Wilberg Mine fan ASCA. The sediment control which has been implemented here is pocking. Some depressions have silted in due to some significant precipitation events which occurred during the summer of 2000. Although the summer of 2000 was considered a drought season, the vegetation in this area looks relatively good.

The silt fence which is in place around the topsoil pile at the gate to the waste rock site is in need of repair. Mr. Oakley agreed to have this done.

4D. HYDROLOGIC BALANCE: WATER MONITORING

The second quarter 2000 water monitoring information for the Energy West mines was submitted to the UDNR/OGM Salt Lake office on October 18, 2000. A review of the submitted information which is related to the Cottonwood/Wilberg Mines was performed.

The Cottonwood site has one well associated with the waste rock site, four stream monitoring locations, five UPDES outfall locations, two in-Mine ground water monitoring locations, and several springs.

An inspection of the data which has been submitted for WCWR 1, the four stream monitoring locations, the two in-Mine ground water monitoring locations, and the five UPDES outfalls did not reveal any abnormalities in water chemistry. Monitoring frequencies were spot checked and appear to be in compliance with the mining and reclamation plan requirements. Several cation/anion balances were noted as being outside of the +/-5% error criterion. However, it is not known what method of follow-up should be implemented by the inspector relative to this analytical variance. Previous discussion with Mr. Ken Wyatt, Reclamation Hydrologist with the UDNR/OGM/SLO has indicated that errors above the five percent range are generally accepted, but same should never exceed 10% error relative to cation/anion balance.

Many of the springs in the area are monitored with the Deer Creek Mine ground water monitoring regime. It will be necessary for this inspector to conduct a further investigation into the Cottonwood/Wilberg Mine water monitoring regime to determine which of the numerous springs are directly related to the Mine such that inspection of that data can be performed. Springs are monitored monthly for flow, and are analytically monitored in July and August for chemistry.

As noted in the October inspection report for the site, EPA discharge monitoring reports for the months of June, July, and August were reviewed on 10/11/2000. All had been submitted in a timely fashion, with no UPDES parameter exceedances being noted.

Discharge monitoring reports for the month of September 2000 were reviewed this day and were noted as being submitted to the respective government agencies on October 27, 2000. Once again, **no UPDES parameter exceedances were noted** for outfall points 001A (mine water discharge to Grimes Wash) and 003A (mine site sediment pond discharge to Grimes Wash).

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7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

The second quarter waste rock pile inspection was conducted on June 15, 2000 by John Christensen and Rick Cullum. Leveling of the site was completed in early January. There were no signs of instability or other hazardous conditions noted for the south face of this pile. The report was PE certified by Mr. Christensen.

The permittee did not have the third quarter inspection/PE certification available for review this day.

14. SUBSIDENCE CONTROL

The aerial flyover for the annual subsidence evaluation for the PacifiCorp mines was done during October. The permittee is awaiting the results.

Inspector's Signature: _____


Peter Hess #46

Date: November 15, 2000

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

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cc: James Fulton, OSM
Chuck Semborski, PacifiCorp
Price Field office

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