



May 16, 2002

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Utah Coal Program
 Utah Division of Oil, Gas, and Mining
 1594 West North Temple, Suite 1210
 P.O. Box 145801
 Salt Lake City, Utah 84114-5801

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 DIVISION OF
 OIL, GAS AND MINING

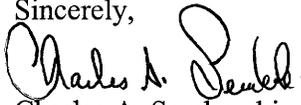
Incoming
C/015/019
Miller Canyon Bond
Release
BL02B

Re: Amendment to Cottonwood/Wilberg MRP, Appendix XXII, Miller Canyon Portals, PacifiCorp, Cottonwood/Wilberg Mine, C015/019, Emery County, Utah

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, hereby submits an amendment to Appendix XXII of the Cottonwood/Wilberg MRP that satisfies the concerns of the US Forest Service for Phase I bond release of the Miller Canyon Portals.

The US Forest Service reviewed the Phase I bond release application and were in agreement with the water quality parameters to be monitored for detecting changes in quality and quantity of the permanent mine discharge in Miller Canyon. However, they required additional parameters to be sampled to demonstrate compatibility with the post-mining land use. The additional monitoring is included in a new attachment (Attachment #9) in Appendix XXII.

Four (4) redline/strikeout copies are submitted for review. C1/C2 forms accompany this submittal for placement into the MRP. If you have any questions or concerns with this amendment, please contact Dennis Oakley at (435) 687-4825 or myself at (435) 687-4720.

Sincerely,

 Charles A. Semborski
 Geology/Permitting Supervisor

Encl

Cc: Carl Pollastro
 File

J:\Environmental\PERMITS\CottonwoodMine\AMENDMNT\2002\Miller Canyon\coverMay2002.wpd

APPLICATION FOR PERMIT PROCESSING

<input checked="" type="checkbox"/> Permit Change	<input type="checkbox"/> New Permit	<input type="checkbox"/> Renewal	<input type="checkbox"/> Transfer	<input type="checkbox"/> Exploration	<input type="checkbox"/> Bond Release	Permit Number: C/015/019
Title of Proposal: Amendment to Cottonwood/Wilberg Mine, Appendix XXII, PacifiCorp, Cottonwood/Wilberg Mine, C/015,019, Emery County, Utah						Mine: Cottonwood/Wilberg Mine
						Permittee: PacifiCorp

Description, include reason for application and timing required to implement:

Instructions: If you answer yes to any of the first 8 questions (gray), this may be a Significant Revision and require Public Notice. Any questions, please call a Permit Supervisor.

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Is the application submitted as a result of a Division Order? DO # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Is the application submitted as a result of a Violation? NOV # _____
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain: USFS concerns
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

Attach 4 complete copies of the application.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations herein.

Charles A. Semborski Charles A. Semborski Geology/Permitting Supervisor 5-16-02
Signed - Name - Position - Date

Subscribed and sworn to before me this 16 day of May, 2002.

Lori Ann Anderson
Notary Public

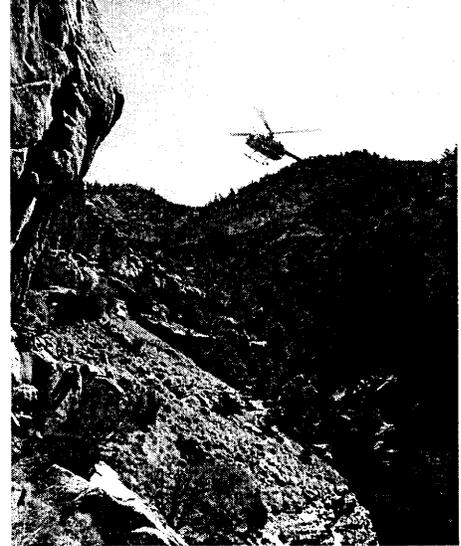
My Commission Expires: 12/22, 2005
Attest: STATE OF Utah COUNTY OF Emery



Received by Oil, Gas & Mining

ASSIGNED TRACKING NUMBER

MILLER CANYON RECLAMATION PROJECT JUNE 1999



☆ Report and Discussion of the Reclamation Plan for the Miller Canyon Portals

- ☀ Attachment 1 Portal Location Map
 - Manti-LaSal National Forest Travel Map
 - Miller Canyon General Location Map
- ☀ Attachment 2
 - Soil Pile Location Map
 - Soil Analysis Report
- ☀ Attachment 3
 - Historic Water Quality Data
 - Water Sample Analysis Report
 - Bio-Assay Sampling Information
- ☀ Attachment 4
 - Plan View & Cross Section
 - Backfill Detail with French Drain Design
- ☀ Attachment 5
 - Photo Essay (Before, During and After)
- ☀ Attachment 6
 - Concurrence Letters
- ☀ Attachment 7
 - Golden Eagle Active Nest Monitoring Report
- ☀ Attachment 8
 - Bond Release Information
- ☀ Attachment 9
 - Special Water Quality Monitoring Parameters



In addition to the routine water quality sampling, PacifiCorp conducted bioassay sampling to satisfy the UPDES permit. Samples collected from Miller Canyon passed the fifty (50) percent mortality certieria established in the permit. This information is also found in Attachment #3.

To satisfy the Phase I Bond Release concerns the UFSF has related to Miller Canyon hydrologic monitoring, PacifiCorp will commit to monitoring Miller Canyon mine water discharge according to the following plan:

- 1) Monitoring will conducted twice a year (June & October).
- 2) Quality sampling will be collected at the portal site.
- 3) Flow will be measured at the confluence of the three portals.
- 4) Water quality parameters analyzed will follow the list found in Attachment #9, Special Water Quality Monitoring Parameters.
- 5) Water quality will be compared to State of Utah 3A Numeric Criteria for Aquatic Wildlife (reported in the Annual Hydrologic Report).
- 6) Water quality sampling will be conducted for a two year period (2002-2003).
- 7) All sampling results will be input into UDOGM database quarterly.

R645-301-800: Bonding and Insurance

The Cottonwood/Wilberg Mine reclamation bond is \$2,071,098.00. Costs associated with this project do not affect the bond liability. Insurance was provided for and updated in February 1999.

PacifiCorp requested Phase III release of reclamation liability on December 15, 1999. Bond reduction was not requested. PacifiCorp received verbal approval to advertise the Miller Canyon Reclamation bond release and notify local owners on April 17, 2000 (written approval notice dated April 21, 2000). The following general requirements were addressed:

✦ Notice Letters were sent to all parties who have a valid interest in release of the bond notifying them of intention to seek release (a copy of the letters were sent to the Division on April 19, 2000, refer to Attachment 8):

- ✦ Surface Owner (*United States Forest Service*)
- ✦ Subsurface Owner (*Bureau of Land Management*)
- ✦ Adjoining Property Owners (*LDS Church*)
- ✦ State Historical Society
- ✦ State Division of Water Rights
- ✦ State Division of Wildlife Resources
- ✦ Emery County Commission

✦ Public notice was published in the Emery County Progress at least once a week for four consecutive weeks (refer to Attachment 8 for a copy of the affidavit).

PacifiCorp

Cottonwood/Wilberg Mine

ACT/015/019

Miller Canyon Reclamation

Attachment # 9

❖ Special Water Quality Monitoring Parameters

Water Quality Monitoring Parameters for Miller Canyon Portals - Phase I Bond Release

Field Measurements:

- * - Flow Measured @ the Confluence of Three Portals ✓
- * - pH
- * - Specific Conductivity (umhos/cm) ✓
- * - Temperature
- * - Digital Photo (above & below confluence of three portals)

Laboratory Measurements: (testing to be performed by a State of Utah certified laboratory)

- Total Suspended Solids (mg/l) ✓
- Total Dissolved Solids (mg/l) ✓
- Total Hardness (CaCO₃) (mg/l) ✓
- Aluminum (Al) - Dissolved (ug/l)
- Arsenic (As) - Dissolved (RCRA Metal) (ug/l)
- Barium (Ba) - Dissolved (RCRA Metal) (ug/l) ~~XXX~~
- Boron (B) - Dissolved (ug/l)
- Cadmium (Cd) - Dissolved (RCRA Metal) (ug/l)
- Chromium (Cr) - Dissolved (RCRA Metal) (ug/l)
- Copper (Cu) - Dissolved (ug/l)
- Iron (Fe) - Total & Dissolved (ug/l) ✓
- Lead (Pb) - Dissolved (RCRA Metal) (ug/l)
- Manganese (Mn) - Total & Dissolved (ug/l) ✓
- Mercury (Hg) - Dissolved (RCRA Metal) (ug/l)
- Nickel (Ni) - Dissolved (ug/l)
- Oil & Grease (sample collected if sheen visible) (mg/l) ✓
- Ortho Phosphate (PO_{4,3}) - reported as P (ug/l)
- Selenium (Se) - Dissolved (RCRA Metal) (ug/l)
- Silver (Ag) - Dissolved (RCRA Metal) (ug/l)
- Zinc (Zn) - Dissolved

Water Quality Monitoring Parameters for Miller Canyon Portals - Phase I Bond Release

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- * - Turbidity & Dissolved Oxygen (measured if flow from portals reaches Cottonwood Canyon Creek)

Laboratory Measurements: (testing to be performed by a State of Utah certified laboratory)

- Total Suspended Solids (mg/l)
- Total Dissolved Solids (mg/l)
- Total Hardness (CaCO₃) (mg/l)
- Aluminum (Al) - Dissolved (ug/l)
- Ammonia as N - mg/l
- Arsenic (As) - Dissolved (RCRA Metal) (ug/l)
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- Nitrates as N (mg/l)
- Nickel (Ni) - Dissolved (ug/l)
- Oil & Grease (sample collected if sheen visible) (mg/l)
- Total Phosphorus as P (mg/l)
- Potassium (K) (mg/l)
- Selenium (Se) - Dissolved (RCRA Metal) (ug/l)
- Sodium (Na) (mg/l)
- Silver (Ag) - Dissolved (RCRA Metal) (ug/l)
- Sulfate (SO₄) (mg/l)
- Zinc (Zn) - Dissolved
- Cation/Anion Balance

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OIL, GAS AND MINING

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