



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

## INSPECTION REPORT

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Michael O. Leavitt  
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Division Director

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Partial: XXX Complete:      Exploration:     

Inspection Date & Time: 12/9/96 / 8:10a.m.-10:30a.m.

Date of Last Inspection: 11/21/96

Mine Name: Willow Creek Mine County: Carbon Permit Number: ACT/007/038

Permittee and/or Operator's Name: Cyprus Plateau Mining Corporation

Business Address: P. O. Drawer PMC, Price, Utah 84501

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

Company Official(s): Ben Grimes

State Officials(s): Peter Hess Federal Official(s): None

Weather Conditions: Overcast, 40's, Rain in Forecast

Existing Acreage: Permitted- 11,500 Disturbed- 40 Regraded-      Seeded-      Bonded- 56

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



**INSPECTION REPORT**  
(Continuation sheet)

Page 2 of 2

PERMIT NUMBER: ACT/007/038

DATE OF INSPECTION: 12/9/96

(Comments are Numbered to Correspond with Topics Listed Above)

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

A comparison of field notes/observations versus the currently approved Castle Gate mining and reclamation plan for the School House Canyon coal preparation waste rock site indicates that the drainage on this refuse pile is not being properly maintained. There are several problems here.

- 1) Although there is a specific design/cross section for the 100 year 6 hour storm event drainage diversions for the final operation of the pile, there are no designs for "current operation" of the pile, i.e., the ongoing buildup in elevation by the storing, leveling, and compacting of refuse generated by the coal washing process. Notice of Violation #96-46-4-3, 1 of 3, "failure to design diversions", was issued to correct this lack of design.
- 2) Section 6.3.8, Construction Considerations, page 84, paragraph c, of the Castle Gate mining and reclamation plan indicates that "the dump surface should always be graded to facilitate drainage away from recently placed fill toward surface drainage courses". The pile is being actively used. The surface of the pile, as observed during today's inspection is generally flat. Several depressions were observed where material had been leveled. A piping hole approximately ten inches in diameter was observed along the NE corner of the pile close to the edge of placed refuse. Photos of the pile surface and the piping hole were taken. Notice of Violation #96-46-4-3, 2 of 3, "failure to construct a coal preparation waste rock site as designed" was issued to correct these problems.
- 3) No drainage diversion has been in place on the eastern edge of the pile for some time. Refuse has been placed in a horizontal manner right up to the edge of the bank. The permittee is to begin salvaging topsoil along this slope as required by Division order in the very near future. No semblance of a diversion was observed along the eastern side of the refuse pad. As noted in 1) above, there is no design for any diversion along this pile for "current operation" of the pile; however, a design discharge of 18.61 cfs for ditch CGD-7 (100 yr-6 hr) is discussed in the MRP, Appendix 3.4 -J. Notice of Violation #96-46-4-3, 3 of 3, "failure to maintain diversions", was issued to correct this problem.

**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: Cyprus Plateau Mining Corporation      Marcia Petta (OSM)  
Given to: Joe Helfrich (DOGM)      Filed to: Price Field Office  
Date: December 11, 1996

Inspector's Signature:       #46  
Peter Hess