



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

## INSPECTION REPORT

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Partial:\_\_\_ Complete: XXX Exploration:\_\_\_  
Inspection Date & Time: 1/28/97 / 8:30a.m.-12:30p.m.  
Date of Last Inspection: 12/9&17/97

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, Sr. Project Engineer  
State Officials(s): Peter Hess Federal Official(s): None  
Weather Conditions: Cold, 20's, Overcast, Snow 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 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 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 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 checked="" 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 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 checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 (4th Quarter-April, May, June)_____ (date)	<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)

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PERMIT NUMBER: ACT/007/038

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(Comments are Numbered to Correspond with Topics Listed Above)

NOTE: The site received approximately 31 inches of snow on 1/12-13-14/97 and another 11 inches on 1/25/97.

1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE

The permittee submitted amendment 97A this day which deals with potential geotechnical drilling in the School House Canyon area to determine the feasibility for expansion of the refuse pile down Canyon. The justification for the expansion of this pile would obviously be additional storage volume, and enhanced stability of the piles outslope. Also involved would be the construction of a new sediment pond(s) for drainage treatment. The wash plant is still experiencing only about 30% recovery.

3. TOPSOIL

The permittee has seeded the topsoil pile which is associated with the new mine construction disturbance located in Willow Creek Canyon. Mulching has not been completed.

4a. HYDROLOGIC BALANCE: DIVERSIONS

The majority of diversions at the site were buried under approximately 20 inches of snow. Those which were visible appeared to be functioning as designed; warm temperatures on 1/27/97 brought some thawing.

4b. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The fourth quarter sediment pond inspections for the site were conducted on December 13, 1997. No hazards were noted for any of the ponds. Pond 12B is still under construction; construction has been halted do to frozen ground/snow conditions and the need to obtain adequate compaction within the Hilfiker wall/pond embankment retaining wall.

Weekly inspections of pond 013 (School House Canyon waste rock sediment pond) are current. The pond contains only snow melt. No problems were noted.

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4d. **HYDROLOGIC BALANCE: WATER MONITORING**

Discharge monitoring reports for the months of September, October and November 1996, were reviewed for submittal. None of the UPDES points discharged during this period. Reports were submitted in a timely manner.

The third quarter water monitoring report for the site was submitted on October 25, 1996 to the DOGM Salt Lake Office. Mr. Grimes indicated that the fourth quarter report is being prepared.

5. **EXPLOSIVES**

The last shot made on site was September 3, 1996. Powder and cap magazines which are located at the mine site were inspected. The magazines were in good repair and were locked with a double locking mechanism.

6. **DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES**

The permittee has completed the enlargement of the two rock tunnels which are associated with the run-of-mine conveyor corridor. Gob material is being generated from the ventilation shaft sinking project associated with the mine fan installation. End dumping of this material on the storage pad across from the upper Willow Creek stream relocation area was observed this day. The permittee needs to do a better job of removing bent roof bolts and roof mats from this gob prior to the leveling/compaction process. No wood was observed in the piles; this area is under a great deal of snow.

7. **COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS**

The fourth quarter refuse pile inspection was performed and P. E. certified by Mr. John Borla on December 30, 1996. Piezometer holes on the first and second terrace were dry. No problems were noted.

During today's inspection, a bulldozer was observed pushing snow on the pile so that refuse placement could be started. Ditches CGD-6 and CGD-7 were snow covered but otherwise clear. The permittee appears to be doing a better job regarding material placement to ensure positive drainage toward the perimeter ditches. A slight crown was observed in the middle of the pile.

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8. NONCOAL WASTE

Several dumpsters were observed within the site as being over capacity. This may be due to the recent weather conditions the County has experienced, i.e., regularly scheduled pickups have not occurred.

9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES

The finalization of a spill prevention control and counter measure plan for this site is still pending. The permittee has installed several new fuel tanks for diesel and gasoline approximately 200 feet northwest of the main prep plant building. These tanks have been installed in a designed containment berm; there is also a concrete fueling pad, which will collect fuel spills (and hopefully prevent soil contamination), should any occur. Surface facilities maps are being updated to reflect numerous changes. Mr. Grimes indicated that he felt this plan could be finalized by the end of February 1997.

A great deal of work is still ongoing at the site, although weather conditions have severely slowed progress. Numerous contractors are engaged. The permittee should look at and talk to these contractors about the proper storage of bulk fluids and the proper disposal of empty containers. As previously mentioned, the site is under about 20 inches of frozen, compacted snow. Several 50 gallon drums and a few 5 gallon containers were observed by this inspector in areas where it is felt they should be stored properly.

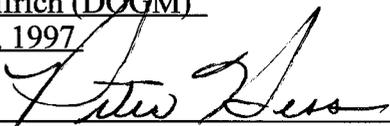
Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas, and Mining.

Copy of this Report:

Mailed to: Cyprus Plateau Mining Corporation Henry Austin (OSM)

Given to: Joe Helfrich (DOGM) Filed to: Price Field Office

Date: January 31, 1997

Inspector's Signature:  #46

Peter Hess