

0043

April 20, 1995

Mr. Daron R. Haddock  
Utah Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

SUBJECT: Permit 007/004 Revisions #2  
Crandall Canyon Reclamation Plan  
Castle Gate Mine, Carbon County, Utah.



**EarthFax**

EarthFax  
Engineering Inc.  
Engineers/Scientists  
7324 So. Union Park Ave.  
Suite 100  
Midvale, Utah 84047  
Telephone 801-561-1555  
Fax 801-561-1861

Dear Daron:

Under the direction of Mr. Johnny Pappas of Cyprus Plateau Mining Corporation, I have enclosed three copies of the proposed reclamation plan for Crandall Canyon. The plan was developed to address the Division's concerns enumerated in Division Order 94A, dated August 18, 1994. The following documents are enclosed:

- 1) Application for Permit Change;
- 2) Table of Contents for Section 3.7;
- 3) Section 3.7 text in its entirety;
- 4) Section 3.7 Tables;
- 5) Figure 3.7-1;
- 6) Supplements to Appendices 3.7E, 3.7F, and 3.7G;
- 7) Appendices 3.7I through 3.7S; and
- 8) Exhibits 3.7-1 through 3.7-7D, 3.7-9A, 3.7-9B, and 3.7-11 through 3.7-14.

The reclamation bond estimates for the various Castle Gate areas have not been included with this submittal. Cyprus has recently directed us to prepare those estimates, and they will be submitted once they are completed.

Revisions to the permit which address Item No. 1 of Division Order 94A have been submitted under separate cover.

Please call me or Mr. Pappas if you have any questions.

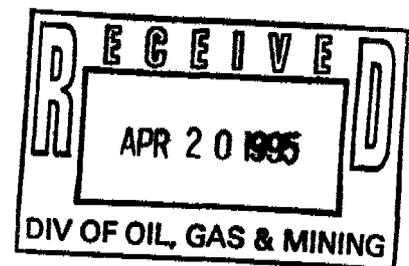
Sincerely,

William S. Hendrickson, P.E.  
Civil Engineer

cc: Johnny Pappas (Cyprus)  
Jerry Nettleton (TerraMatrix)

Enclosures

007/004



# APPLICATION FOR PERMIT CHANGE

Title of Change: **Reclamation Plan revisions for Crandall Canyon.**

Permit Number: **ACT 007/004**

Mine: **Castle Gate Mine**

Permittee: **Amax Coal Company**

Description, include reason for change and timing required to implement: **Revisions to sediment pond calculations and reclamation plan, addition of shaft sealing information, hilfiker wall evaluation and hydrology pertaining to Crandall Canyon. Revisions address the requirements stipulated in Division Order 94A.**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.               |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.            |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?                                  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 6. Does permit change require or include public notice publication?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 7. Permit change as a result of a Violation? Violation # _____   |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 8. Permit change as a result of a Division Order? D.O.#94A   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 9. Permit change as a result of other laws or regulations? Explain: _____  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 10. Does permit change require or include ownership, control, right-of-entry, or compliance information?                                 |
| <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 12. Does permit change require or include collection and reporting of any baseline information?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?                                |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 14. Does permit change require or include soil removal, storage or placement?  |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 15. Does permit change require or include vegetation monitoring, removal or revegetation activities?                                     |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 16. Does permit change require or include construction, modification, or removal of surface facilities?                                  |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 17. Does permit change require or include water monitoring, sediment or drainage control measures?                                       |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 18. Does permit change require or include certified designs, maps, or calculations?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?                                  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?                           |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? |

Attach **3** complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

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.

*Benito M. ... Sr. Env. Eng. 4/6/95*  
Signed - Name - Position - Date

Subscribed and sworn to before me this 6 day of APRIL, 19 95.

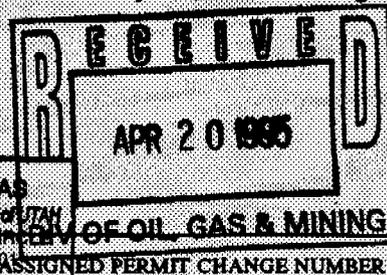
*John C. Pappas*  
Notary Public

My Commission Expires: \_\_\_\_\_, 19\_\_\_\_  
Attest: STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_



**JOHN C. PAPPAS**  
NOTARY PUBLIC STATE OF UTAH  
1646 EAST CASTLE GATE MINE  
PRICE, UTAH 84501

Received by Oil, Gas & Mining



## Application for Permit Change Detailed Schedule of Changes to the Permit

Title of Change: Reclamation Plan revisions for Crandall Canyon. April 1995	Permit Number: 007/004
	Mine: Castle Gate Mine
	Permittee: Amax Coal Company, Inc.

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the exiting mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Section 3.7 Crandall Canyon text
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 3.7G (As-Built Sedimentation Pond Calculations)
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendices 3.7I through 3.7R
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input checked="" type="checkbox"/> REMOVE	Exhibits 3.7-2, 3.7-5, and 3.7-9
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Exhibits 3.7-1 through 3.7-7D
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Exhibits 3.7-9A and 3.7-9B
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Exhibits 3.7-11 through 3.7-14
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Figures 3.7-1 and 3.7-2
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Tables 3.7-8 through 3.7-9
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Tables 3.7-10 through 3.7-16
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
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Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?