



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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September 1, 1995

TO: Daron Haddock, Permit Supervisor

FROM: Paul Baker, Reclamation Biologist *PAB*

RE: Draft Review, Sowbelly Canyon Pond Removal Project, Castle Gate Mine, Amax Coal Company, ACT/007/004, Working File, Carbon County, Utah *#2*

SYNOPSIS

Amax is proposing to remove ponds 16 and 17 in Sowbelly Gulch. They have also proposed to place additional fill against the highwall/cutslope in the vicinity of the sealed No. 5 Mine fan portal, fill a low area next to SBRD-1C, repair riprap in various channels, reseed low-density vegetation areas, and remove road A-2. Most of this work is already described in the mining and reclamation plan, but the schedule has been advanced.

ANALYSIS

REVEGETATION

Regulatory Reference: R645-301-340

Analysis:

Amax is proposing to redisturb certain areas in Sowbelly Gulch. These areas would be deep gouged with an excavator, and two tons per acre of hay will be incorporated into the top eighteen inches of soil. Seeding will follow immediately after which straw mulch will be applied at the rate of one ton per acre.

The seed mix defined in species list #1 in Chapter 9 will be used on the majority of the areas. Species list 5 will be used within 25 feet of the centerline of SBRD-1, SBRD-8, and SBRD-9.

The proposed revegetation methods should provide good results if the weather is favorable. The permittee should be commended for using these methods; they are probably the best available technology for this area.

There is a small area of undisturbed vegetation that may need to be disturbed as part of these activities. It contains some oak, pinyons, grasses, and other plants. If it is necessary to disturb this area, Amax should try transplanting the plants growing in this area.

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In particular, it should be possible to take root cuttings from the oak and place them near the channel. They should be buried a few inches deep and watered a little. They should, theoretically, remain dormant and protected in the soil until spring when they sprout.

Findings:

The applicant has complied with the requirements of this regulation.

RECOMMENDATIONS

Division approval is recommended.

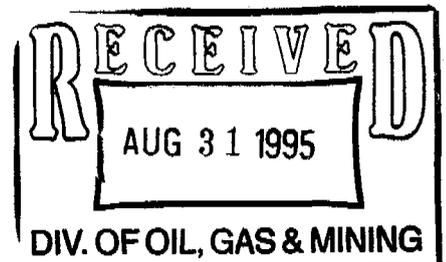
Application for Permit Change Detailed Schedule of Changes to the Permit

Title of Change: Revisions to Chapter 12, Willow Creek Refuse Removal Project per conversation with Paul Baker August of 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 12.3, Pages 12-3-20 through 12-3-33
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Section 12.7, Pages 12-7-35 and 12-7-36
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Addendum to Appendix 12-1-1, UDOT Highway Right of Way Encroachment Permit
<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?



Application for Permit Change Detailed Schedule of Changes to the Permit

Title of Change: Revisions to Chapter 12, Willow Creek Refuse Removal Project,
Reclamation Bond Calculations.

Permit Number: 007/004 #2

Mine: Castle Gate Mine

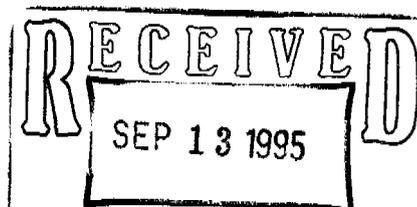
Permittee: Amax Coal Company, Inc.

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	Appendix 12-5-4
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Revisions in Chapter 12 of bond calculations (Appendix 12-5-4) were done by Wayne Western of UDOGM in conjunction with Vicky Bailey (EarthFax Eng.) and Ben Grimes (Cyprus Plateau Mining). Bond is being processed.



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