TRACKING FORM

I. KEY FEATURES OF PERMITTEE'S AMENDMENT APPLICATION

Permittee	Mine Name	Amendment #	Date Received / Proposed
Savage Industries	Savage Coal Terminal	ACT/007/022-96C	7-17-96 delivered

Proposal: Railroad Crossing Ancillary Roads

Description: Construct a railroad crossing between plant area & coal stockpile area to reduce travel distance on loaders & other equip.

rec'd fb back on 10-25-96 hand delivered

II. AMENDMENT CLASSIFICATION

☐ Major Amendment	Public Notice Required	☐ Yes	☑ No
☒ Minor Amendment	Outside of Permit Area	☐ Yes	☑ No
	Outside of Disturbed Area	☐ Yes	☑ No

III. SUMMARY OF DOGM PROCESSING DATES

		FOLLOWUP REQUIREMENTS		
Reviews Completed	7/29/96 1st - Deficiency			
Approved Effective	12/4/96	MRP "After Const" Documents	☑ Yes	☐ No
Disapproved		TA	☐ Yes	☑ No
Mailed		CHIA	☐ Yes	☑ No
Filed MRP - SLO		Responds Within 15 days of Receipt? ☑ Yes ☐ No If no, explain below.		

IV. COORDINATED REVIEWS

EXTERNAL AGENCIES (Mine Specific) (Adverse Comments, If Any, Include in Item V)					DOGM REVIEWS/DISCIPLINES		
	COPY SENT		CONTACTED				
OSM	☐ Y	☐ N	☐ C	☑ N/A	Generalists WJM	☑ Yes	☐ N/A
BLM	☐ Y	☐ N	☐ C	☑ N/A	____ INTERDISCIPLINARY APPROACH		
US Forest Service	☐ Y	☐ N	☐ C	☑ N/A	- Administrative ____	☐ Yes	☑ N/A
US Fish & Wildlife	☐ Y	☐ N	☐ C	☑ N/A	- Biology ____	☐ Yes	☑ N/A
US National Parks	☐ Y	☐ N	☐ C	☑ N/A	- Engineering ____	☐ Yes	☑ N/A
UT Environmental Quality	☐ Y	☐ N	☐ C	☑ N/A	- Geology ____	☐ Yes	☑ N/A
UT Wildlife Resources	☐ Y	☐ N	☐ C	☑ N/A	- Hydrology ____	☐ Yes	☑ N/A
UT State History	☐ Y	☐ N	☐ C	☑ N/A	- Soils ____	☐ Yes	☑ N/A
UT Water Rights	☐ Y	☐ N	☐ C	☑ N/A	- Permitting ____	☐ Yes	☑ N/A
UT SITLA	☐ Y	☐ N	☐ C	☑ N/A	- Other ____	☐ Yes	☑ N/A
Other ____	☐ Y	☐ N	☐ C	☐ N/A			

V. FOOTNOTES/ADDITIONAL EXPLANATION AS NECESSARY

a) application deficient does not discuss R645-301-534 and 742.410 applicable to all roads even though the road applied for is an ancillary road. Notified Mr Guy by phone. Also R645-301-527.200 as concerns roads and railroads. Also application was not made with respect to changes & additions covered in the amendment.

TABLE 7-25

CULVERT DESIGN SPECIFICATIONS

Culvert Number	Design Discharge (cfs)	Diameter (ft)	Length (ft)	Normal Depth	Velocity (ft/sec)
C-1	0.81	1.0	30	0.45	2.38
C-2	0.98	1.5	35	0.35	2.80
C-3	3.70	(2) 1.5	30	0.59	2.90
C-4	0.36	2.0	60	0.26	1.81
C-5	9.68	2.0	70	1.35	3.59
C-6	0.80	1.5	30	0.38	2.2
C-7	10.56	2.0	30	1.43	4.4
C-8	0.77	1.5	60	0.38	2.2
C-9	1.44	1.5	50	0.51	2.7
C-10	11.97	2.0	70	1.60	4.44
C-11	---	---	---	---	---
C-12	5.11	1.5	40	1.11	3.64
C-13A	5.11	1.5	50	1.11	3.64
C-13	5.11	1.5	30	1.11	3.64
C-14**	---	---	---	---	---
C-15	20.5	2.0	20	2.87*	7.60*
C-16	1.34	2.0	30	0.45	2.10
C-17	0.36	2.0	40	0.26	1.81
C-18	0.80	1.0	40	0.46	2.20
C-19	0.22	1.0	20	0.28	1.19
C-20	0.22	1.0	20	0.28	1.19
C-21	1.11	2.0	60	0.34	2.05
C-22	13.88	2.0	100	2.10****	11.49
C-23	0.15	1.0	30	0.20	1.50

* Head Water Depth = 3.50ft.

** Removed 12/18/91 - Replaced with open spillway

*** Erosion to be minimized by the use of 9" med. diam. rip-rap at the culvert outlet.

**** Head Water Depth = 3.50 ft.

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...TIVE:
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Note: Culvert C-11 will be removed and replaced with extended 24" culvert C-21.

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3.2.5 Transportation Facilities

3.2.5.1 Roads, Parking Areas

The locations of access and coal haulage roads and parking areas are provided on Plate 3-2.

There are two large road fill embankments at C.V. Spur. The embankments were built as truck dumps and their locations are shown on Plates 3-1 and 3-2. The embankments are constructed of reinforced concrete and steel and compacted earth materials and are a maximum 30 feet in height. Figures 3-5 and 306 show cross-sections of the truck dumps.

A small embankment is proposed to be constructed near the southeast corner of the preparation plant. This embankment will be for a new, drive-over truck dump, and will be approximately 14'6" high. The truck dump location is shown on Plate 3-2, and details regarding the embankment and roadway are shown on Plates 3-2C and 3-2D.

Cross sections of the plant access and coal haulage and processing waste roads are shown on Plate 3-4 "Road Cross-Sections". No culverts at C.V. Spur are used exclusively for road surface drainage and no ditch relief culverts are planned.

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The refuse disposal road is approximately 1,584 feet long. The road is gravel-surfaced and maintained at approximately 20 feet width. The road runs from the preparation plant to the refuse disposal area and will be maintained throughout the active phases of refuse disposal.

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The above reference roads are all considered "Primary Roads" as provided in R645-301-527.100. All other roads on the site are considered "Ancillary Roads". Road details are shown on Figures 3-5 and 3-4.

Parking areas, shown on Plate 3-2, serve the shop/lab/warehouse, truck scale and preparation plant areas.

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Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340
(801) 359-3940 (Fax)

December 6, 1996

Boyd Rhodes, Manager
Savage Industries, Inc.
2025 East 5000 South
Price, Utah 84501

RE: Proposed Railroad Crossing/Ancillary Roads, Savage Industries, Inc., Savage Coal Terminal, ACT/007/022-96C, Folder #3, Carbon County, Utah

Dear Mr. Rhodes:

This approves your permit amendment application received and resubmitted at the DOGM Price Field Office on October 25, 1996. The approval is effective December 4, 1996, and requires follow-up action as noted below. The approval is based on your application and findings cited below.

Follow-up Action By Permittee

Since the project involves on the ground construction, please submit 30 days after completion of construction an unshaded certified surface facilities map and MRP pages 3-24 and 3-24a.

Project Description

The project involves 1) 300 feet of additional ancillary road and one culvert 2) railroad crossing and culvert lying adjacent to an existing primary road. The ancillary road culvert is north of and contiguous to the recent approved new truck dump. The railroad crossing and culvert is located north of wash coal stock pile.

Analysis

The ancillary road will provide access to the back side of the new truck dump. The railroad crossing will increase the access efficiency to the wash coal piles.

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Findings

(1) The applicant submitted a complete and accurate amendment application.

(2) DOGM PERMIT STATUS. The addition lies within the current permit.

(3) ACTIVE MINE. The area is included in an active approved coal mining and reclamation operation is within the existing disturbed area.

(4) LAND STATUS. The land is patented land owned by Savage Industries, Inc.

(5) COORDINATION AND OTHER APPROVALS. The amendment has been coordinated with other responsible agencies.

(6) PROJECT DETAILS. The road culvert and the railroad crossing and culvert has been located, designed, constructed, and will be used and maintained, so as:

-to control or prevent erosion and fugitive dust.
-to control or prevent damage to other environmental values.
-to control or prevent additional contributions of suspended solids to runoff outside the permit area.
-to use non-acid and non-toxic forming substances in road surfacing.
-to not be located in a drainage channel of an intermitten or perennial stream (refer to figure 3-6A for design details and table 7-88a for culvert design specifications).
-to reclaim the roads in accordance with the existing approved reclamation plan.
-and to perform road/railroad crossing maintenance to meet performance standards.

(7) IMPACTS. The project does not have any material adverse impacts to hydrologic balance, nor does it involve any existing critical habitat.

(8) RECLAMATION AND BONDING. The reclamation plan, as currently approved, is accurate. The reclamation costs are not significant, since (1) the project area lies within the existing disturbed area, and (2) this project falls within the Division policy that does not require a bond update.

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(9) RECORD UPDATE. The project as submitted and evaluated by the undersigned does not require an update of the Division Technical Analysis pertaining to Savage Coal Terminal.

I have approved figure 3-6A and Table 7-88a and these documents are enclosed for your records.

Sincerely,

Wm. J. Malencik
Reclamation Specialist

sd
enclosures
cc: Mark Page, State Eng, Price, w/o enc
Dave Ariotti, DEQ, Price, w/o enc
Bill Bates, DWR, Price, w/o enc
Paige Beville, ARCO, Denver
Joe Helfrich, DOGM, SLC

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Savage

Savage Coal Terminal
2025 E. 5000 S.
Price, Utah 84501
(801) 637-5664

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October 18, 1996

#2

Mr. William Malencik
Utah Division of Oil, Gas & Mining
451 East 400 North
Price, Utah 84501

Re: Proposed Railroad Crossing
Ancillary Roads
Savage Coal Terminal
ACT/007/022
Carbon County, Utah

96C

Dear Mr. Malencik:

Enclosed are 4 copies of a proposed amendment to the Savage Coal Terminal M.R.P. The proposal is to construct a railroad crossing between the plant area and coal stockpile area to reduce travel distance on loaders and other equipment. It is also proposed to install an 18" cmp culvert on the north side of the railroad tracks to provide drainage. The culvert has been sized for the drainage area, and is detailed on Table 7-25 as Culvert C-24.

This amendment is also intended to clarify the locations of Ancillary Roads on the site. Plate 3-2 will show the proposed crossing, culverts and roads. An additional culvert (C-25) will also be added to provide access for the ancillary road near the new truck dump.

Required permit change forms are enclosed. All pages and plates are numbered, and should replace corresponding items in the M.R.P.

If you have any questions, or need any further information, please contact me or Dan Guy.

Sincerely,

Boyd Rhodes
Manager

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cc: Jim Sauls - Savage
Dan Guy - Blackhawk
File

Form DOGM - C1 (Last Revised 6/93) File Folder # 3

APPLICATION FOR PERMIT CHANGE

Title of Change:	Permit Number: ACT / 007 / 022
Proposed R.R. Crossing/ancillary Roads	Mine: Savage Coal Terminal
	Permittee: Savage Industries

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

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

☑ Attach ~~3~~ 4 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.

[signature] MGR 10-22-96

Signed - Name - Position - Date

Subscribed and sworn to before me this 22 day of Oct, 19 96

Dana Ballard
Notary Public

My Commission Expires: 9-27, 19 97

Attest: STATE OF UTAH
COUNTY OF CARBON

DANA BALLARD
NOTARY PUBLIC • STATE of UTAH
865 EAST 2800 SOUTH
PRICE, UTAH 84501
COMM. EXP. 9-27-97

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ASSIGNED PERMIT CHANGE NUMBER
96C

Application for Permit Change
Detailed Schedule of Changes to the Permit

Title of Change: Ancillary Roads

Permit Number: ACT/007/022

Mine: Savage Coal Terminal

Permittee: Savage Industries

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
☐ ADD	☑ REPLACE	☐ REMOVE	Pages 3-24, 3-24a, 7-88a.
☐ ADD	☑ REPLACE	☐ REMOVE	Plate 3-2
☑ ADD	☐ REPLACE	☐ REMOVE	Figure 3-6a (p. 3-26a)
☐ ADD	☐ REPLACE	☐ REMOVE	
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Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

PERMIT CHANGE CHRONOLOGY

Title of Proposal: Ancillary Roads	PERMIT NUMBER: ACT/007/022
Description:	PERMIT CHANGE #:
	PERMITTEE: Savage Industries
	MINE NAME: Savage Coal Terminal

DATE		DOCUMENT ALL ACTIVITIES ASSOCIATED WITH THIS PERMIT CHANGE
	☐Sent ☒Recv'd.	Initial Application for Permit Change Received from Permittee
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☐ ADDITIONAL SHEET