

# PERMIT TRACKING FORM

- Permit Amendment (INS)    Exploration Permit (INS)    N.O.V. (INS)    D.O.    Permit Transfer    Incidental Boundary Change  
 Permit Midterm (MT)    Permit Renewal (PR)    New Permit    Significant Revision (SR)    Bond Release (BR)

DATE RECEIVED <b>5-30-97</b>	By: _____ (Initial)	PERMIT NUMBER	<b>ACT10071022</b>
Title of Proposal: <b>Proposed New Haul Road/Truck Dump</b>		PERMIT CHANGE #	<b>97A</b>
Description: <b>Reactivate ~ 1200' of previously used Haul Road - Construct ~ 1100' new haul Road + new truck dump</b>		PERMITTEE	<b>Savage Industries</b>
# Copies Required <b>4</b>	# Copies Received <b>4</b>	MINE NAME	<b>Savage Coal Terminal</b>

PERMIT CHANGE APPLICATION SENT TO SLC      DATE: \_\_\_\_\_      LETTER TO PERMITTEE: \_\_\_\_\_

15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION OR INITIAL COMPLETENESS REVIEW      DATE DUE: **6/15/97**      DATE DONE: **6/4/97**      LETTER TO PERMITTEE: \_\_\_\_\_

Notice of Affidavit of Publication. (If change is a Significant Revision, New Permit or Permit Transfer)      DATE DUE: \_\_\_\_\_      DATE DONE: \_\_\_\_\_      PUBLIC COMMENT RECEIVED: \_\_\_\_\_

PRICE REVIEW TRACKING	REVIEW		SLC REVIEW TRACKING	REVIEW	
	DUE	DONE		DUE	DONE
<input checked="" type="checkbox"/> Lead <input checked="" type="checkbox"/> Generalist <b>Savung</b>	<b>6/15/97</b>	<b>6/4/97</b>	<input type="checkbox"/> Lead		
<input type="checkbox"/> Administrative			<input type="checkbox"/> Administrative		
<input type="checkbox"/> Land Use/AQ			<input type="checkbox"/> Land Use/AQ		
<input type="checkbox"/> Biology			<input type="checkbox"/> Biology		
<input checked="" type="checkbox"/> Engineering			<input checked="" type="checkbox"/> Engineering		
<input type="checkbox"/> Geology			<input type="checkbox"/> Geology		
<input type="checkbox"/> Soils			<input type="checkbox"/> Soils		
<input checked="" type="checkbox"/> Hydrology			<input checked="" type="checkbox"/> Hydrology		

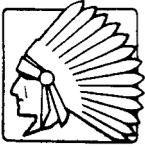
TA Review Due	Date: _____	Permittee Response Due <input type="checkbox"/> Stipulation <input type="checkbox"/> Condition <input type="checkbox"/> No Requirements	Date: _____	DIVISION DECISION LETTER <input type="checkbox"/> APPROVE <input type="checkbox"/> DENY
TA Review Done	Date: _____	Response Received	Date: _____	Date: _____

COORDINATED REVIEWS	PHONE CONTACT	SENT	DUE	RECEIVED	ADDITIONAL TRACKING	Date:
<input type="checkbox"/> OSMRE					PUBLIC HEARING	
<input type="checkbox"/> US Forest Service					LETTER FROM COMPLIANCE SUPER.	
<input type="checkbox"/> BLM					AVS COMPLETED	
<input type="checkbox"/> US FWS					APPROVAL EFFECTIVE DATE	<b>10/27/97</b>
<input type="checkbox"/> US NPS					APPROVED COPY TO FILE	
<input type="checkbox"/> UT SHPO					APPROVED COPY TO PERMITTEE	
<input type="checkbox"/> UT DEQ					APPROVED COPY TO PFO/SLC	
<input type="checkbox"/> UT Water Rights					APPROVED COPY TO AGENCIES	<b>7/1/97</b>
<input type="checkbox"/> UT Wildlife Resources					CHIA MODIFIED	
<input type="checkbox"/> UT SITLA					UPDATE MASTER TA   DONE/NEEDED	

PRICE FIELD OFFICE COMMENTS:  
*Generalist review on data required to support primary road amendment, 10 items not addressed. Talled with Hellick 6/13/97 See memo. Permittee wants to start the project while mine is moving longwall i.e. 6/9-6/14.*

SLC OFFICE COMMENTS:

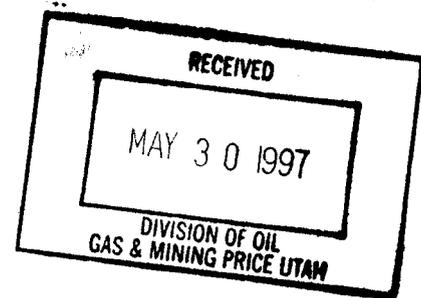




# Savage

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

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



Re: Proposed New Haul Road / Truck Dump  
Savage Coal Terminal  
ACT/007/022  
Carbon County, Utah

Dear Ms. Malencik:

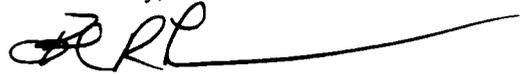
Enclosed are 4 copies of a proposed amendment to the Savage Coal Terminal Permit. The proposal is to reactivate approximately 1200' of previously used haul road, construct approximately 1100' of new haul road and construct a new truck dump/hopper on the south side of the existing coal stockpiles. This proposal will allow trucks carrying specific coals to enter and exit through the southwest gate, to help alleviate congestion at the main, west entrance. No net increase in truck traffic or decrease in air quality is expected, since this proposal is primarily to split up the present ( and approved proposed) traffic.

A bond estimate for reclamation of this system has also been completed (See Appendix 3-3). The estimate shows the expected reclamation cost to be approximately \$11,591.36. The present bond for the facility is \$2,728,178.00 and includes a 10% contingency of \$272,818.00. Recently approved amendments were estimated to have reclamation costs of \$7127.21. When this amount is added to the estimated reclamation costs for the proposed new haul road/truck dump, the total reclamation costs is \$18,718.57, reducing the bond contingency to \$254,099.43; therefore, there should be no need to increase the bond as a result of this amendment.

*Required permit change forms are enclosed. All pages and plates are numbered, and should replace corresponding items or be added to the M. R. P. as noted.*

*In the interest of safety, it is our hope to start this project as soon as possible. If you have any questions, or need any further information, please contact me or Dan Guy.*

*Sincerely,*

A handwritten signature in black ink, appearing to read 'BR' followed by a long horizontal flourish.

*Boyd Rhodes  
Manager*

*cc: Jim Sauls - Savage  
Dan W. Guy - Blackhawk  
File*

# APPLICATION FOR PERMIT PROCESSING

Permit Change <input checked="" type="checkbox"/>	New Permit <input type="checkbox"/>	Renewal <input type="checkbox"/>	Transfer <input type="checkbox"/>	Exploration <input type="checkbox"/>	Bond Release <input type="checkbox"/>	Permit Number: <u>ACT/1007/022</u>
Title of Proposal: <u>PROPOSED NEW HAUL ROAD/TRUCK DUMP</u>						Mine: <u>SAVAGE COAL TERMINAL</u>
						Permittee: <u>SAVAGE INDUSTRIES</u>

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

**Instructions:** If you answer yes to any of the first 7 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to an inspector.

- |   |  |   |
|---|--|---|
| <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. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?                     |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 4. Does application include operations in hydrologic basins other than as currently approved?                                 |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?                         |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 6. Does the application require or include public notice/publication?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 7. Does the application require or include ownership, control, right-of-entry, or compliance information?                     |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 8. Is the application submitted as a result of a Violation? Violation # _____   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 9. Is the application submitted as a result of a Division Order? D.O. # _____   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 10. Is the application submitted as a result of other laws or regulations or policies? Explain: _____                         |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 11. Does the application affect the surface landowner or change the post mining land use?                                     |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)           |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 13. Does the application require or include collection and reporting of any baseline information?                             |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?                       |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 15. Does application require or include soil removal, storage or placement?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 16. Does the application require or include vegetation monitoring, removal or revegetation activities?                        |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 17. Does the application require or include construction, modification, or removal of surface facilities?                     |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 18. Does the application require or include water monitoring, sediment or drainage control measures?                          |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 19. Does the application require or include certified designs, maps, or calculations?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 20. Does the application require or include subsidence control or monitoring?   |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 21. Have reclamation costs for bonding been provided for?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 22. Is proposed activity within 100 feet of a public road or perennial stream or 300 feet of an occupied dwelling?            |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 23. Is this coal exploration activity?  |

Attach 4 complete copies of the application.

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.

DANA BALLARD MGR - 5-29-97  
Signed - Name - Position - Date

Subscribed and sworn to before me this 29 day of MAY, 19 97  
DANA BALLARD  
Notary Public

My Commission Expires: 9-27 19 97  
Attest: STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_



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

Received Oil, Gas & Mining

MAY 30 1997

DIVISION OF OIL  
GAS & MINING PRICE UTAH

ASSIGNED PERMIT CHANGE NUMBER



# PERMIT CHANGE CHRONOLOGY

Title of Proposal: *PROPOSED NEW HAUL ROAD/TRUCK DUMP*

PERMIT NUMBER: *ACT/007/022*

Description:

PERMIT CHANGE #:

PERMITTEE: *SAYAGE INDUSTRIES*

MINE NAME: *SAYAGE COAL TERMINAL*

DATE	DOCUMENT ALL ACTIVITIES ASSOCIATED WITH THIS PERMIT CHANGE
<input type="checkbox"/> Sent <input checked="" type="checkbox"/> Recv'd.	Initial Application for Permit Change Received from Permittee
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	
<input type="checkbox"/> Sent <input type="checkbox"/> Recv'd.	

**Mining and Reclamation Plan  
Savage Coal Terminal**

*A new haul road and truck dump are proposed to be built just southeast of the existing No. 2 (Genwal) Truck Dump.*

*The proposed new haul road will utilize approximately 1200' of existing road from the southwest entrance to the refuse haul road. Proposed new construction will consist of approximately 1100' of new haul road and placement of a permanent truck dump/hopper which will feed a previously approved stacking conveyor.*

*The purpose of the new haul road is to split up the existing truck traffic and allow trucks dumping specific coals to enter and exit through the southwest entrance. (This was the original main entrance and haul road into the site).*

*The change in haul roads will not have any net effect on existing air quality, since the same number of trucks will still be hauling; however, under this plan, they will be on different roads and much less congested.*

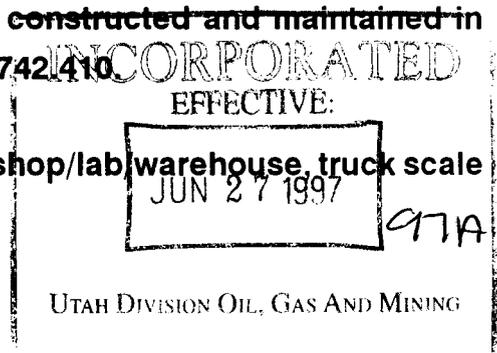
*One 18" culvert will be added and 2 existing culverts will be extended or slightly relocated as a result of this road addition.*

**All proposed changes are shown on Plate 3-2. Road details are shown on Plate 3-4A. Culvert sizing is shown in Table 7-25.**

**The above referenced roads are all considered "Primary Roads" as provided in R645-301-527.100. All other roads on the site are considered "Ancillary Roads". All road locations are shown on Plate 3-2. Primary road details are shown on Figure 3-5 and 3-6 and Plate 3-4A. Ancillary road details are shown on Figure 3-6A.**

**All roads on the site are located, designed, ~~constructed and maintained in~~ accordance with requirements of R645-301-742.410.**

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



Mining and Reclamation Plan  
Savage Coal Terminal

TABLE 7-25

CULVERT DESIGN SPECIFICATIONS

Culvert Number	Design Discharge (cfs)	Diameter (ft)	Length (ft)	Normal Depth	Velocity (ft/sec)
C-1	0.81	1.00	30	0.45	2.38
C-2	0.98	1.50	35	0.35	2.80
C-3 (2)	3.70	1.50	30	0.59	2.90
C-4	0.36	2.00	100	0.26	1.81
C-5	9.68	2.00	70	1.35	3.59
C-6	0.80	1.50	30	0.38	2.20
C-7	10.56	2.00	30	1.43	4.40
C-8	0.77	1.50	60	0.38	2.20
C-9	1.44	1.50	50	0.51	2.70
C-10	11.97	2.00	70	1.60	4.44
C-11	Removed				
C-12	5.11	1.50	40	1.11	3.64
C-13A	5.11	1.50	50	1.11	3.64
C-13	5.11	1.50	30	1.11	3.64
C-14**	Removed				
C-15	20.50	2.00	20	* 2.87	* 7.60
C-16	1.34	2.00	30	0.45	2.10
C-17	Combined w/ C-4				
C-18	0.80	1.00	40	0.46	2.20
C-19	0.22	1.00	20	0.28	1.19
C-20	0.22	1.00	20	0.28	1.19
C-21	1.11	2.00	60	0.34	2.05
C-22	13.88	2.00	100	***2.10	11.49
C-23	0.15	1.00	30	0.20	1.50
C-24	1.44	1.50	30	0.51	2.70
C-25	1.11	1.50	20	0.40	2.05
C-26	0.36	1.50	60	0.40	2.80

\* Head Water Depth = 3.50 ft.

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

\*\*\* Head Water Depth = 3.50 ft.

INCORPORATED  
EFFECTIVE:

JUN 27 1997

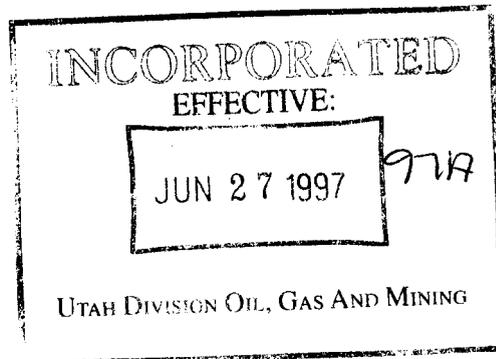
97A

UTAH DIVISION OIL, GAS AND MINING

**APPENDIX 3-3**

**Reclamation Bond Estimate**

**New Haul Road / Truck Dump Amendment**



**Reclamation Bonding Estimate**  
**New Haul Road / Truck Dump Amendment**

**Introduction:**

All reclamation costs are based on estimates taken from the Means "Heavy Construction Cost Data", Ninth Annual Edition, 1995. Equipment costs are taken from the "Caterpillar Performance Handbook", 25th Anniversary Edition, 1995.

**Procedure:**

The only additional reclamation costs included on this area will be the removal of the truck hopper, disposal of concrete and removal/regrading of approximately 9000 cubic yards of pit-run material from the road/ramp.

The proposed reclamation will include removal and transport of steel structures. Concrete will be broken up and placed into the refuse sediment pond (No. 5) during final reclamation. The truck ramp material will be used to regrade the stockpile area and fill in ponds as necessary.

**Calculations:**

**Equipment / Cost**

Fill Material	-	9000 cu. yds.
Concrete	-	15 cu. yds.
Truck Hopper	-	12' x 15' x 10' steel
Common Labor	-	\$15.05 / hr.
960 Loader	-	\$0.80 / cu. yd. (Load earth to truck)
10 cu. yd. Truck	-	\$0.31 / cu. yd. (Haul earth to Pond)
55 Ton Crane	-	\$94 / hr. (Structure Removal)
40 Ton Tractor/Trailer	-	\$48.50 / hr. (Structure Haulage)
Trackhoe	-	\$0.90 / cu. yd. (Dig out Concrete/Load)
10 cu. yd. Truck	-	\$1.02 / cu. yd. (Haul Concrete to Pond)
Concrete Demolition	-	\$0.28 / ft <sup>3</sup> (Breakage/Cutting)

**Structure:**

Removal	-	2 Hrs. (Crane) x \$94.00/hr.
Haulage	-	2 Hrs. (Truck) x \$48.50/hr.
Labor	-	8 Hrs. x 15.05/hr.

Sub-Total

INCORPORATED	
EFFECTIVE:	
=\$ 188.00	JUN 27 1997 971A
=\$ 97.00	
=\$ 20.40	
=\$ 405.40	\$ 405.40
UTAH DIVISION OIL, GAS AND MINING	

Reclamation Bond Estimate

Concrete:

Removal	-	15 cu. yds. x \$ 0.90/cu. yd.	= \$	13.50	
Demolition	-	405 cu. ft. x \$ 0.28/cu. ft.	= \$	113.40	
Haulage	-	15 cu. yds. x \$ 1.02/cu. yd.	= \$	15.30	
				<hr/>	
<b>Sub-Total</b>			= \$	142.20	\$ 142.20

Earthwork:

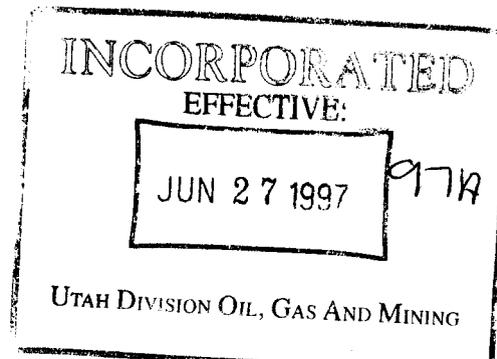
Loading	-	9000 cu. yds. x \$0.80 /cu. yd.	= \$	7200.00	
Haulage	-	9000 cu. yds. x \$0.31/cu. yd.	= \$	2790.00	
				<hr/>	
			= \$	9990.00	\$9990.00

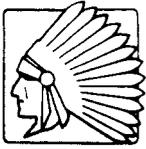
<b>Sub-Total Reclamation</b>	=	\$10,537.60
<b>+ 10% Contingency</b>	=	\$ 1,053.76

**TOTAL RECLAMATION COST = \$11,591.36**

Summary:

The total projected reclamation cost for the New Haul Road/Truck Dump is \$11,591.36. The Savage Coal Terminal is presently bonded for a total of \$2,728,178.00. This figure includes a 10% contingency of \$272,818.00. If this proposed reclamation is assumed to be covered in the 10% contingency along with 2 previously approved amendments totalling \$7127.21, it would reduce the contingency by only 6.86%, to \$254,099.43. This should have no effect on the existing reclamation bond.

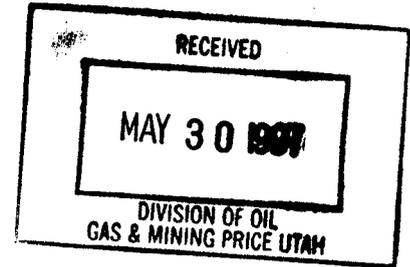




# Savage

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

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



97A

Re: Proposed New Haul Road / Truck Dump  
Savage Coal Terminal  
ACT/007/022  
Carbon County, Utah

Dear Ms. Malencik:

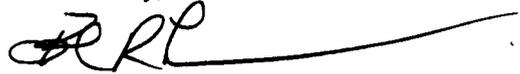
Enclosed are 4 copies of a proposed amendment to the Savage Coal Terminal Permit. The proposal is to reactivate approximately 1200' of previously used haul road, construct approximately 1100' of new haul road and construct a new truck dump/hopper on the south side of the existing coal stockpiles. This proposal will allow trucks carrying specific coals to enter and exit through the southwest gate, to help alleviate congestion at the main, west entrance. No net increase in truck traffic or decrease in air quality is expected, since this proposal is primarily to split up the present ( and approved proposed) traffic.

A bond estimate for reclamation of this system has also been completed (See Appendix 3-3). The estimate shows the expected reclamation cost to be approximately \$11,591.36. The present bond for the facility is \$2,728,178.00 and includes a 10% contingency of \$272,818.00. Recently approved amendments were estimated to have reclamation costs of \$7127.21. When this amount is added to the estimated reclamation costs for the proposed new haul road/truck dump, the total reclamation costs is \$18,718.57, reducing the bond contingency to \$254,099.43; therefore, there should be no need to increase the bond as a result of this amendment.

*Required permit change forms are enclosed. All pages and plates are numbered, and should replace corresponding items or be added to the M. R. P. as noted.*

*In the interest of safety, it is our hope to start this project as soon as possible. If you have any questions, or need any further information, please contact me or Dan Guy.*

*Sincerely,*

A handwritten signature in cursive script, appearing to read 'BR', followed by a long horizontal line extending to the right.

*Boyd Rhodes  
Manager*

*cc: Jim Sauls - Savage  
Dan W. Guy - Blackhawk  
File*

# APPLICATION FOR PERMIT PROCESSING

Permit Change <input checked="" type="checkbox"/>	New Permit <input type="checkbox"/>	Renewal <input type="checkbox"/>	Transfer <input type="checkbox"/>	Exploration <input type="checkbox"/>	Bond Release <input type="checkbox"/>	Permit Number: <u>ACT/007/022</u>
Type of Proposal: <u>PROPOSED NEW HAUL ROAD/TRUCK DUMP</u>						Mine: <u>SAVAGE COAL TERMINAL</u>
						Permittee: <u>SAVAGE INDUSTRIES</u>

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

**Instructions:** If you answer yes to any of the first 7 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to an inspector.

<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. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Is the application submitted as a result of a Violation? Violation # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Is the application submitted as a result of a Division Order? D.O. # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain: _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Is proposed activity within 100 feet of a public road or perennial stream or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Is this coal exploration activity?

Attach 4 complete copies of the application.

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.

Dana Ballard MGR - 5-29-97  
Signed - Name - Position - Date

Notary Public  
My Commission Expires: 9-27, 19 97  
Attest: STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_

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

Received by Oil, Gas & Mining  
RECEIVED  
**MAY 30 1997**  
DIVISION OF OIL  
GAS & MINING PRICE UTAH

ASSIGNED PERMIT CHANGE NUMBER  
97A





**Mining and Reclamation Plan  
Savage Coal Terminal**

*A new haul road and truck dump are proposed to be built just southeast of the existing No. 2 (Genwal) Truck Dump.*

*The proposed new haul road will utilize approximately 1200' of existing road from the southwest entrance to the refuse haul road. Proposed new construction will consist of approximately 1100' of new haul road and placement of a permanent truck dump/hopper which will feed a previously approved stacking conveyor.*

*The purpose of the new haul road is to split up the existing truck traffic and allow trucks dumping specific coals to enter and exit through the southwest entrance. (This was the original main entrance and haul road into the site).*

*The change in haul roads will not have any net effect on existing air quality, since the same number of trucks will still be hauling; however, under this plan, they will be on different roads and much less congested.*

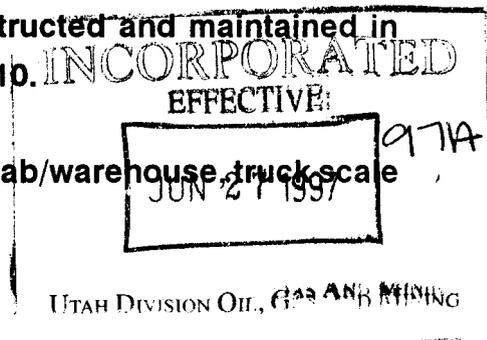
*One 18" culvert will be added and 2 existing culverts will be extended or slightly relocated as a result of this road addition.*

**All proposed changes are shown on Plate 3-2. Road details are shown on Plate 3-4A. Culvert sizing is shown in Table 7-25.**

**The above referenced roads are all considered "Primary Roads" as provided in R645-301-527.100. All other roads on the site are considered "Ancillary Roads". All road locations are shown on Plate 3-2. Primary road details are shown on Figure 3-5 and 3-6 and Plate 3-4A. Ancillary road details are shown on Figure 3-6A.**

**All roads on the site are located, designed, constructed and maintained in accordance with requirements of R645-301-742.410.**

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



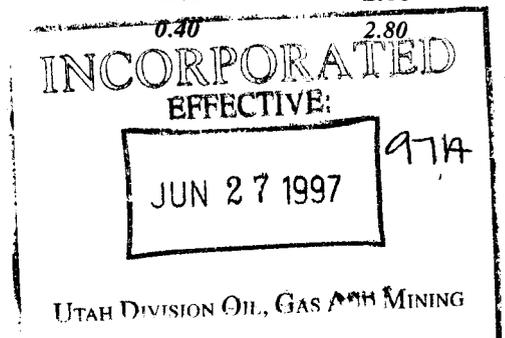
Mining and Reclamation Plan  
Savage Coal Terminal

TABLE 7-25

CULVERT DESIGN SPECIFICATIONS

Culvert Number	Design Discharge (cfs)	Diameter (ft)	Length (ft)	Normal Depth	Velocity (ft/sec)
C-1	0.81	1.00	30	0.45	2.38
C-2	0.98	1.50	35	0.35	2.80
C-3 (2)	3.70	1.50	30	0.59	2.90
C-4	0.36	2.00	100	0.26	1.81
C-5	9.68	2.00	70	1.35	3.59
C-6	0.80	1.50	30	0.38	2.20
C-7	10.56	2.00	30	1.43	4.40
C-8	0.77	1.50	60	0.38	2.20
C-9	1.44	1.50	50	0.51	2.70
C-10	11.97	2.00	70	1.60	4.44
C-11	Removed				
C-12	5.11	1.50	40	1.11	3.64
C-13A	5.11	1.50	50	1.11	3.64
C-13	5.11	1.50	30	1.11	3.64
C-14**	Removed				
C-15	20.50	2.00	20	* 2.87	* 7.60
C-16	1.34	2.00	30	0.45	2.10
C-17	Combined w/ C-4				
C-18	0.80	1.00	40	0.46	2.20
C-19	0.22	1.00	20	0.28	1.19
C-20	0.22	1.00	20	0.28	1.19
C-21	1.11	2.00	60	0.34	2.05
C-22	13.88	2.00	100	***2.10	11.49
C-23	0.15	1.00	30	0.20	1.50
C-24	1.44	1.50	30	0.51	2.70
C-25	1.11	1.50	20	0.40	2.05
C-26	0.36	1.50	60	0.40	2.80

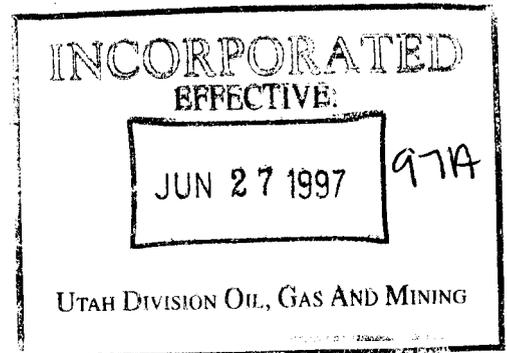
- \* Head Water Depth = 3.50 ft.
- \*\* Removed 12/18/91 - Replaced with open spillway.
- \*\*\* Head Water Depth = 3.50 ft.



**APPENDIX 3-3**

**Reclamation Bond Estimate**

**New Haul Road / Truck Dump Amendment**



**Reclamation Bonding Estimate**  
**New Haul Road / Truck Dump Amendment**

**Introduction:**

All reclamation costs are based on estimates taken from the Means "Heavy Construction Cost Data", Ninth Annual Edition, 1995. Equipment costs are taken from the "Caterpillar Performance Handbook", 25th Anniversary Edition, 1995.

**Procedure:**

The only additional reclamation costs included on this area will be the removal of the truck hopper, disposal of concrete and removal/regrading of approximately 9000 cubic yards of pit-run material from the road/ramp.

The proposed reclamation will include removal and transport of steel structures. Concrete will be broken up and placed into the refuse sediment pond (No. 5) during final reclamation. The truck ramp material will be used to regrade the stockpile area and fill in ponds as necessary.

**Calculations:**

**Equipment / Cost**

Fill Material	-	9000 cu. yds.	
Concrete	-	15 cu. yds.	
Truck Hopper	-	12' x 15' x 10' steel	
Common Labor	-	\$15.05 / hr.	
960 Loader	-	\$0.80 / cu. yd. (Load earth to truck)	
10 cu. yd. Truck	-	\$0.31 / cu. yd. (Haul earth to Pond)	
55 Ton Crane	-	\$94 / hr. (Structure Removal)	
40 Ton Tractor/Trailer	-	\$48.50 / hr. (Structure Haulage)	
Trackhoe	-	\$0.90 / cu. yd. (Dig out Concrete/Load)	
10 cu. yd. Truck	-	\$1.02 / cu. yd. (Haul Concrete to Pond)	
Concrete Demolition	-	\$0.28 / ft <sup>3</sup> (Breakage/Cutting)	

**Structure:**

<b>INCORPORATED</b>			
Removal	EFFECTIVE Hrs. (Crane) x \$94.00/hr.	= \$	188.00
Haulage	- 2 Hrs. (Truck) x \$48.50/hr.	= \$	97.00
Labor	8 Hrs. x 15.05/hr.	= \$	120.40
	<b>Sub-Total</b>	<b>= \$</b>	<b>405.40      \$ 405.40</b>

Reclamation Bond Estimate

**Concrete:**

Removal	-	15 cu. yds. x \$ 0.90/cu. yd.	= \$	13.50	
Demolition	-	405 cu. ft. x \$ 0.28/cu. ft.	= \$	113.40	
Haulage	-	15 cu. yds. x \$ 1.02/cu. yd.	= \$	15.30	
				<hr/>	
<b>Sub-Total</b>			= \$	142.20	\$ 142.20

**Earthwork:**

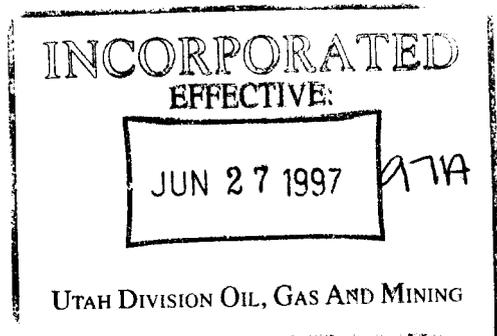
Loading	-	9000 cu. yds. x \$0.80 /cu. yd.	= \$	7200.00	
Haulage	-	9000 cu. yds. x \$0.31/cu. yd.	= \$	2790.00	
				<hr/>	
			= \$	9990.00	\$9990.00

<b>Sub-Total Reclamation</b>	=	\$10,537.60
<b>+ 10% Contingency</b>	=	\$ 1,053.76

**TOTAL RECLAMATION COST = \$11,591.36**

**Summary:**

The total projected reclamation cost for the New Haul Road/Truck Dump is \$11,591.36. The Savage Coal Terminal is presently bonded for a total of \$2,728,178.00. This figure includes a 10% contingency of \$272,818.00. If this proposed reclamation is assumed to be covered in the 10% contingency along with 2 previously approved amendments totalling \$7127.21, it would reduce the contingency by only 6.86%, to \$254,099.43. This should have no effect on the existing reclamation bond.

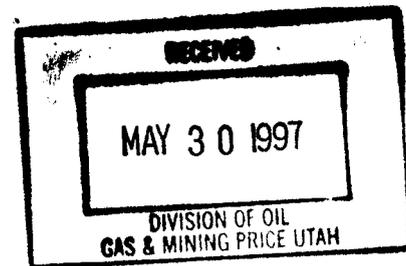






*Savage Coal Terminal  
2025 E. 5000 S.  
Price, Utah 84501  
(801) 637-5664*

*Mr. William Malencik  
Reclamation Specialty  
Utah Division of Oil, Ga, & Mining  
451 East 400 North  
Price, Utah 84501*



*Re: Proposed New Haul Road / Truck Dump  
Savage Coal Terminal  
ACT/007/022  
Carbon County, Utah*

*Dear Ms. Malencik:*

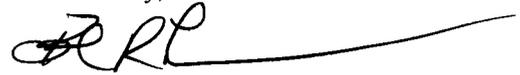
*Enclosed are 4 copies of a proposed amendment to the Savage Coal Terminal Permit. The proposal is to reactivate approximately 1200' of previously used haul road, construct approximately 1100' of new haul road and construct a new truck dump/hopper on the south side of the existing coal stockpiles. This proposal will allow trucks carrying specific coals to enter and exit through the southwest gate, to help alleviate congestion at the main, west entrance. No net increase in truck traffic or decrease in air quality is expected, since this proposal is primarily to split up the present ( and approved proposed) traffic.*

*A bond estimate for reclamation of this system has also been completed (See Appendix 3-3). The estimate shows the expected reclamation cost to be approximately \$11,591.36. The present bond for the facility is \$2,728,178.00 and includes a 10% contingency of \$272,818.00. Recently approved amendments were estimated to have reclamation costs of \$7127.21. When this amount is added to the estimated reclamation costs for the proposed new haul road/truck dump, the total reclamation costs is \$18,718.57, reducing the bond contingency to \$254,099.43; therefore, there should be no need to increase the bond as a result of this amendment.*

*Required permit change forms are enclosed. All pages and plates are numbered, and should replace corresponding items or be added to the M. R. P. as noted.*

*In the interest of safety, it is our hope to start this project as soon as possible. If you have any questions, or need any further information, please contact me or Dan Guy.*

*Sincerely,*

A handwritten signature in black ink, appearing to read 'BR', with a long horizontal line extending to the right.

*Boyd Rhodes  
Manager*

*cc: Jim Sauls - Savage  
Dan W. Guy - Blackhawk  
File*

# APPLICATION FOR PERMIT PROCESSING

<input checked="" type="checkbox"/> Permit Change	<input type="checkbox"/> New Permit	<input type="checkbox"/> Renewal	<input type="checkbox"/> Transfer	<input type="checkbox"/> Exploration	<input type="checkbox"/> Bond Release	Permit Number: <u>ACT/007/022</u>
Title of Proposal: <u>PROPOSED NEW HAUL ROAD/TRUCK DUMP</u>						Mine: <u>SAVAGE COAL TERMINAL</u>
						Permittee: <u>SAVAGE INDUSTRIES</u>

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

**Instructions:** If you answer yes to any of the first 7 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to an inspector.

<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. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Is the application submitted as a result of a Violation? Violation # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Is the application submitted as a result of a Division Order? D.O. # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain: _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Is proposed activity within 100 feet of a public road or perennial stream or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Is this coal exploration activity?

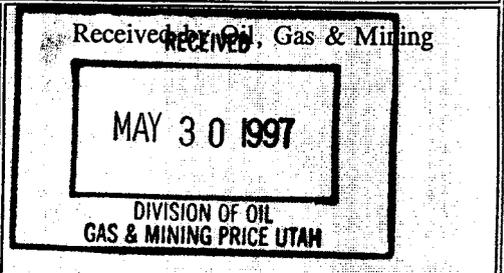
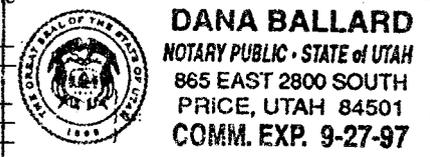
Attach 4 complete copies of the application.

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 - 5-29-97  
Signed - Name - Position - Date

Subscribed and sworn to before me this 29 day of May, 19 97  
Dana Ballard  
Notary Public

My Commission Expires: 9-27, 19 97  
Attest: STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_  
[Signature]



ASSIGNED PERMIT CHANGE NUMBER





**Mining and Reclamation Plan  
Savage Coal Terminal**

*A new haul road and truck dump are proposed to be built just southeast of the existing No. 2 (Genwal) Truck Dump.*

*The proposed new haul road will utilize approximately 1200' of existing road from the southwest entrance to the refuse haul road. Proposed new construction will consist of approximately 1100' of new haul road and placement of a permanent truck dump/hopper which will feed a previously approved stacking conveyor.*

*The purpose of the new haul road is to split up the existing truck traffic and allow trucks dumping specific coals to enter and exit through the southwest entrance. (This was the original main entrance and haul road into the site).*

*The change in haul roads will not have any net effect on existing air quality, since the same number of trucks will still be hauling; however, under this plan, they will be on different roads and much less congested.*

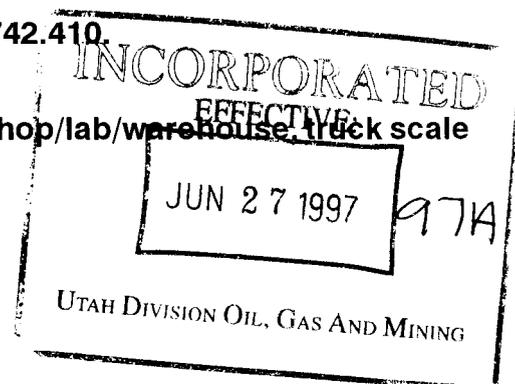
*One 18" culvert will be added and 2 existing culverts will be extended or slightly relocated as a result of this road addition.*

**All proposed changes are shown on Plate 3-2. Road details are shown on Plate 3-4A. Culvert sizing is shown in Table 7-25.**

**The above referenced roads are all considered "Primary Roads" as provided in R645-301-527.100. All other roads on the site are considered "Ancillary Roads". All road locations are shown on Plate 3-2. Primary road details are shown on Figure 3-5 and 3-6 and Plate 3-4A. Ancillary road details are shown on Figure 3-6A.**

**All roads on the site are located, designed, constructed and maintained in accordance with requirements of R645-301-742.410.**

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



Mining and Reclamation Plan  
Savage Coal Terminal

TABLE 7-25

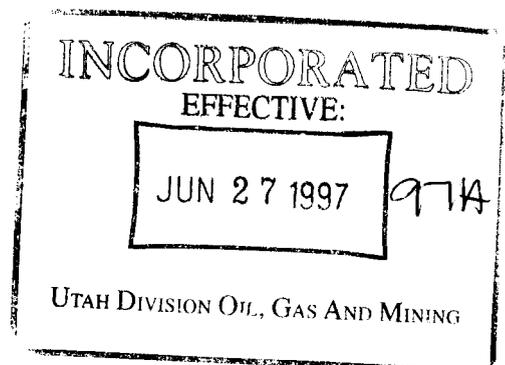
CULVERT DESIGN SPECIFICATIONS

Culvert Number	Design Discharge (cfs)	Diameter (ft)	Length (ft)	Normal Depth	Velocity (ft/sec)
C-1	0.81	1.00	30	0.45	2.38
C-2	0.98	1.50	35	0.35	2.80
C-3 (2)	3.70	1.50	30	0.59	2.90
C-4	0.36	2.00	100	0.26	1.81
C-5	9.68	2.00	70	1.35	3.59
C-6	0.80	1.50	30	0.38	2.20
C-7	10.56	2.00	30	1.43	4.40
C-8	0.77	1.50	60	0.38	2.20
C-9	1.44	1.50	50	0.51	2.70
C-10	11.97	2.00	70	1.60	4.44
C-11	Removed				
C-12	5.11	1.50	40	1.11	3.64
C-13A	5.11	1.50	50	1.11	3.64
C-13	5.11	1.50	30	1.11	3.64
C-14**	Removed				
C-15	20.50	2.00	20	* 2.87	* 7.60
C-16	1.34	2.00	30	0.45	2.10
C-17	Combined w/ C-4				
C-18	0.80	1.00	40	0.46	2.20
C-19	0.22	1.00	20	0.28	1.19
C-20	0.22	1.00	20	0.28	1.19
C-21	1.11	2.00	60	0.34	2.05
C-22	13.88	2.00	100	***2.10	11.49
C-23	0.15	1.00	30	0.20	1.50
C-24	1.44	1.50	30	0.51	2.70
C-25	1.11	1.50	20	0.40	2.05
C-26	0.36	1.50	60	0.40	2.80

\* Head Water Depth = 3.50 ft.

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

\*\*\* Head Water Depth = 3.50 ft.



Mining and Reclamation Plan  
Savage Coal Terminal

TABLE 7-25

CULVERT DESIGN SPECIFICATIONS

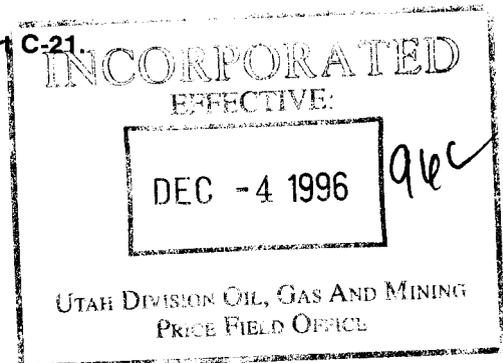
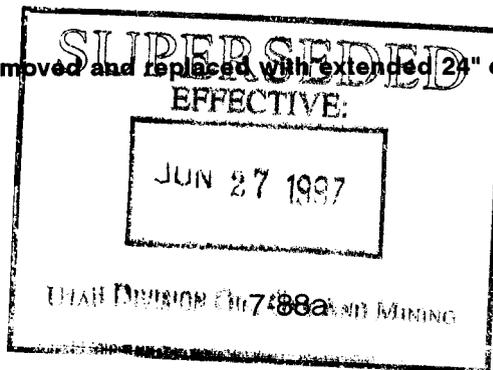
Culvert Number	Design Discharge (cfs)	Diameter (ft)	Length (ft)	Normal Depth	Velocity (ft/sec)
C-1	0.81	1.00	30	0.45	2.38
C-2	0.98	1.50	35	0.35	2.80
C-3 (2)	3.70	1.50	30	0.59	2.90
C-4	0.36	2.00	60	0.26	1.81
C-5	9.68	2.00	70	1.35	3.59
C-6	0.80	1.50	30	0.38	2.20
C-7	10.56	2.00	30	1.43	4.40
C-8	0.77	1.50	60	0.38	2.20
C-9	1.44	1.50	50	0.51	2.70
C-10	11.97	2.00	70	1.60	4.44
C-11	Removed				
C-12	5.11	1.50	40	1.11	3.64
C-13A	5.11	1.50	50	1.11	3.64
C-13	5.11	1.50	30	1.11	3.64
C-14**	Removed				
C-15	20.50	2.00	20	* 2.87	* 7.60
C-16	1.34	2.00	30	0.45	2.10
C-17	0.36	2.00	40	0.26	1.81
C-18	0.80	1.00	40	0.46	2.20
C-19	0.22	1.00	20	0.28	1.19
C-20	0.22	1.00	20	0.28	1.19
C-21	1.11	2.00	60	0.34	2.05
C-22	13.88	2.00	100	***2.10	11.49
C-23	0.15	1.00	30	0.20	1.50
C-24	1.44	1.50	30	0.51	2.70
C-25	1.11	1.50	20	0.40	2.05

\* Head Water Depth = 3.50 ft.

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

\*\*\* Head Water Depth = 3.50 ft.

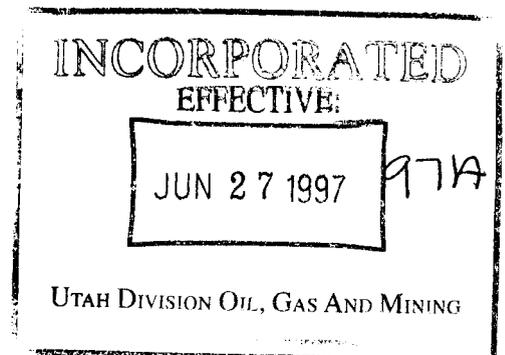
Note: Culvert C-11 was removed and replaced with extended 24" culvert C-21.



***APPENDIX 3-3***

***Reclamation Bond Estimate***

***New Haul Road / Truck Dump Amendment***



**Reclamation Bonding Estimate**  
**New Haul Road / Truck Dump Amendment**

**Introduction:**

All reclamation costs are based on estimates taken from the Means "Heavy Construction Cost Data", Ninth Annual Edition, 1995. Equipment costs are taken from the "Caterpillar Performance Handbook", 25th Anniversary Edition, 1995.

**Procedure:**

The only additional reclamation costs included on this area will be the removal of the truck hopper, disposal of concrete and removal/regrading of approximately 9000 cubic yards of pit-run material from the road/ramp.

The proposed reclamation will include removal and transport of steel structures. Concrete will be broken up and placed into the refuse sediment pond (No. 5) during final reclamation. The truck ramp material will be used to regrade the stockpile area and fill in ponds as necessary.

**Calculations:**

**Equipment / Cost**

Fill Material	-	9000 cu. yds.
Concrete	-	15 cu. yds.
Truck Hopper	-	12' x 15' x 10' steel
Common Labor	-	\$15.05 / hr.
960 Loader	-	\$0.80 / cu. yd. (Load earth to truck)
10 cu. yd. Truck	-	\$0.31 / cu. yd. (Haul earth to Pond)
55 Ton Crane	-	\$94 / hr. (Structure Removal)
40 Ton Tractor/Trailer	-	\$48.50 / hr. (Structure Haulage)
Trackhoe	-	\$0.90 / cu. yd. (Dig out Concrete/Load)
10 cu. yd. Truck	-	\$1.02 / cu. yd. (Haul Concrete to Pond)
Concrete Demolition	-	\$0.28 / ft <sup>3</sup> (Breakage/Cutting)

**Structure:**

Removal	-	2 Hrs. (Crane) x \$94.00/hr.
Haulage	-	2 Hrs. (Truck) x \$48.50/hr.
Labor	-	8 Hrs. x 15.05/hr.

Sub-Total

=\$	188.00
=\$	187.00
=\$	EFFECTIVE:
=\$	405.40
=\$	JUN 27 1997 \$ 405.40
=\$	97A
UTAH DIVISION OIL, GAS AND MINING	

Reclamation Bond Estimate

**Concrete:**

Removal	-	15 cu. yds. x \$ 0.90/cu. yd.	= \$	13.50	
Demolition	-	405 cu. ft. x \$ 0.28/cu. ft.	= \$	113.40	
Haulage	-	15 cu. yds. x \$ 1.02/cu. yd.	= \$	15.30	
				<hr/>	
		Sub-Total	= \$	142.20	\$ 142.20

**Earthwork:**

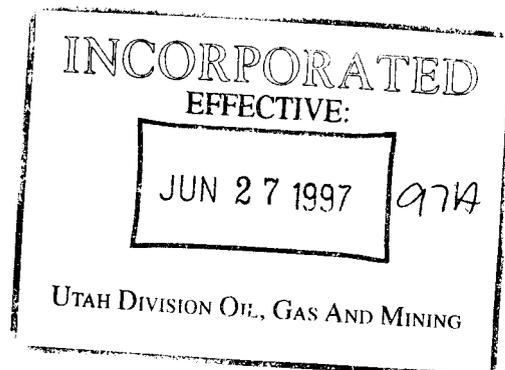
Loading	-	9000 cu. yds. x \$0.80 /cu. yd.	= \$	7200.00	
Haulage	-	9000 cu. yds. x \$0.31/cu. yd.	= \$	2790.00	
				<hr/>	
				= \$	9990.00
				<hr/>	

Sub-Total Reclamation	=	\$10,537.60
+ 10% Contingency	=	\$ 1,053.76
		<hr/>

<b>TOTAL RECLAMATION COST</b>	<b>=</b>	<b>\$11,591.36</b>
		<hr/> <hr/>

**Summary:**

The total projected reclamation cost for the New Haul Road/Truck Dump is \$11,591.36. The Savage Coal Terminal is presently bonded for a total of \$2,728,178.00. This figure includes a 10% contingency of \$272,818.00. If this proposed reclamation is assumed to be covered in the 10% contingency along with 2 previously approved amendments totalling \$7127.21, it would reduce the contingency by only 6.86%, to \$254,099.43. This should have no effect on the existing reclamation bond.







State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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

1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

June 30, 1997

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

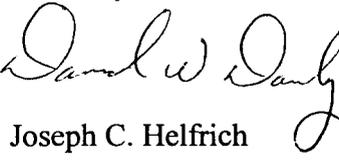
Re: Proposed Haul Road/Truck Dump, Savage Industries Inc., Savage Coal Terminal,  
ACT/007/022-97A, File #2, Carbon County, Utah

Dear Mr. Rhodes:

The additional information for the referenced amendment was received by the Division on June 18, 1997. This amendment is hereby approved effective June 27, 1997. A stamped approved copy is enclosed for insertion into your Mining and Reclamation Plan.

Please call if you have any questions.

Sincerely,

*for* 

Joseph C. Helfrich  
Permit Supervisor

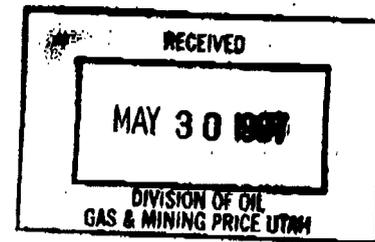
tt  
Enclosure  
cc: Bill Malencik, PFO  
O:\007022.SA\FINAL\APPROVAL.97A



# Savage

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

*Mr. William Malencik  
Reclamation Specialty  
Utah Division of Oil, Ga, & Mining  
451 East 400 North  
Price, Utah 84501*



*Re: Proposed New Haul Road / Truck Dump  
Savage Coal Terminal  
ACT/007/022  
Carbon County, Utah*

*Dear Ms. Malencik:*

*Enclosed are 4 copies of a proposed amendment to the Savage Coal Terminal Permit. The proposal is to reactivate approximately 1200' of previously used haul road, construct approximately 1100' of new haul road and construct a new truck dump/hopper on the south side of the existing coal stockpiles. This proposal will allow trucks carrying specific coals to enter and exit through the southwest gate, to help alleviate congestion at the main, west entrance. No net increase in truck traffic or decrease in air quality is expected, since this proposal is primarily to split up the present ( and approved proposed) traffic.*

*A bond estimate for reclamation of this system has also been completed (See Appendix 3-3). The estimate shows the expected reclamation cost to be approximately \$11,591.36. The present bond for the facility is \$2,728,178.00 and includes a 10% contingency of \$272,818.00. Recently approved amendments were estimated to have reclamation costs of \$7127.21. When this amount is added to the estimated reclamation costs for the proposed new haul road/truck dump, the total reclamation costs is \$18,718.57, reducing the bond contingency to \$254,099.43; therefore, there should be no need to increase the bond as a result of this amendment.*

*Required permit change forms are enclosed. All pages and plates are numbered, and should replace corresponding items or be added to the M. R. P. as noted.*

*In the interest of safety, it is our hope to start this project as soon as possible. If you have any questions, or need any further information, please contact me or Dan Guy.*

*Sincerely,*



*Boyd Rhodes  
Manager*

cc: *Jim Sauls - Savage  
Dan W. Guy - Blackhawk  
File*

# APPLICATION FOR PERMIT PROCESSING

Permit Change <input checked="" type="checkbox"/>	New Permit <input type="checkbox"/>	Renewal <input type="checkbox"/>	Transfer <input type="checkbox"/>	Exploration <input type="checkbox"/>	Bond Release <input type="checkbox"/>
---	-------------------------------------	----------------------------------	-----------------------------------	--------------------------------------	---------------------------------------

Permit Number: ACT10071022  
 Mine: Savage Coal Terminal  
 Permittee: Savage Industries

Title of Proposal: PROPOSED NEW HAUL ROAD/TRUCK DUMP

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

Instructions: If you answer yes to any of the first 7 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to an inspector.

- |   |  |   |
|---|--|---|
| <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. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?               |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 4. Does application include operations in hydrologic basins other than as currently approved?                           |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?                   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 6. Does the application require or include public notice/publication?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 7. Does the application require or include ownership, control, right-of-entry, or compliance information?               |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 8. Is the application submitted as a result of a Violation? Violation #   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 9. Is the application submitted as a result of a Division Order? D.O. #   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 10. Is the application submitted as a result of other laws or regulations or policies? Explain:                         |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 11. Does the application affect the surface landowner or change the post mining land use?                               |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)     |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 13. Does the application require or include collection and reporting of any baseline information?                       |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?                 |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 15. Does application require or include soil removal, storage or placement?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 16. Does the application require or include vegetation monitoring, removal or revegetation activities?                  |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 17. Does the application require or include construction, modification, or removal of surface facilities?               |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 18. Does the application require or include water monitoring, sediment or drainage control measures?                    |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 19. Does the application require or include certified designs, maps, or calculations?                                   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 20. Does the application require or include subsidence control or monitoring?   |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 21. Have reclamation costs for bonding been provided for?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 22. Is proposed activity within 100 feet of a public road or perennial stream or 300 feet of an occupied dwelling?      |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 23. Is this coal exploration activity?  |

Attach 4 complete copies of the application.

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.

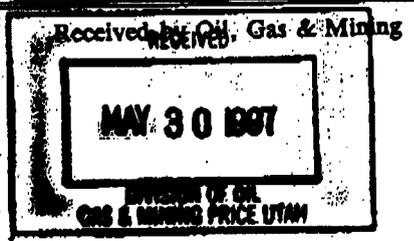
DJR MGR - 5-29-97  
 Signed - Name - Position - Date

Notary Public before me on this 29 day of May 19 97



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

My Commission Expires: 9-27-97  
 Attest: STATE OF UTAH COUNTY OF



ASSIGNED PERMIT CHANGE NUMBER

