

# 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>7-7-97</b>                           | By: <b>Sarah By: David</b> | PERMIT NUMBER   | <b>ACT/007/022</b>          |
| Title of Proposal: <b>Proposed Road Surface</b>       |                            | PERMIT CHANGE # | <b>97C</b>                  |
| Description:  |                            | 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:

|  |               |           |                      |
|--|---------------|-----------|----------------------|
| <input type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION OR INITIAL COMPLETENESS REVIEW | DATE DUE      | DATE DONE | LETTER TO PERMITTEE: |
|  | <b>8/1/97</b> |           |                      |

|   |           |           |                          |
|---|-----------|-----------|--------------------------|
| <input type="checkbox"/> 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 type="checkbox"/> Lead <input type="checkbox"/> Generalist      |        |                | <input type="checkbox"/> Lead           |        |      |
| <input type="checkbox"/> Administrative                                |        |                | <input type="checkbox"/> Administrative |        |      |
| <input type="checkbox"/> Land Use/AQ <b>UWA</b>                        |        | <b>7/18/97</b> | <input type="checkbox"/> Land Use/AQ    |        |      |
| <input type="checkbox"/> Biology <b>UWA</b>                            |        | <b>7/18/97</b> | <input type="checkbox"/> Biology        |        |      |
| <input type="checkbox"/> Engineering <b>Required / See PFO Comment</b> |        |                | <input type="checkbox"/> Engineering    |        |      |
| <input type="checkbox"/> Geology <b>UWA</b>                            |        | <b>7/18/97</b> | <input type="checkbox"/> Geology        |        |      |
| <input type="checkbox"/> Soils <b>UWA</b>                              |        | <b>7/18/97</b> | <input type="checkbox"/> Soils          |        |      |
| <input type="checkbox"/> Hydrology <b>UWA</b>                          |        | <b>7/18/97</b> | <input type="checkbox"/> Hydrology      |        |      |

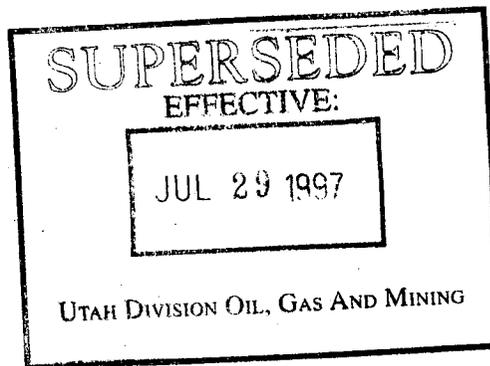
|               |       |   |       |  |
|---------------|-------|---|-------|--|
| TA Review Due | Date: | Permittee Response Due  | Date: | DIVISION DECISION LETTER                                       |
|               |       | <input type="checkbox"/> Stipulation <input type="checkbox"/> Condition<br><input type="checkbox"/> No Requirements |       | <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>7/29/97</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      |                |
| <input type="checkbox"/> UT Wildlife Resources |               |      |     |          | CHIA MODIFIED                  |                |
| <input type="checkbox"/> UT SITLA              |               |      |     |          | UPDATE MASTER TA   DONE/NEEDED |                |

|   |                      |
|---|----------------------|
| PRICE FIELD OFFICE COMMENTS:<br>Recommend Engineer/Reclamation review be completed and finding prepared as may be required. | SLC OFFICE COMMENTS: |
|---|----------------------|

**Mining and Reclamation Plan  
Savage Coal Terminal**



**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.

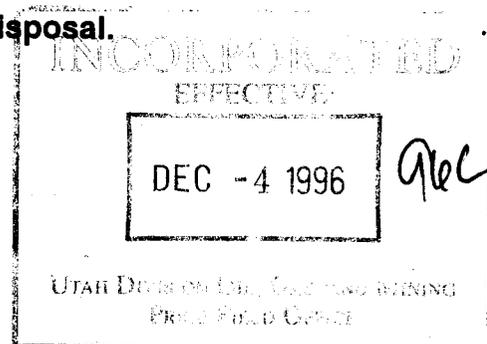
There are two large road fill embankments at Savage Coal Terminal. The embankments were built as truck dumps and their locations are shown on Plates 3-1 and 3-2. The embankments are constructed of reinforced concrete and steel and compacted earth materials and are a maximum 30 feet in height. Figures 3-5 and 3-6 show cross-sections of the truck dumps.

*An additional truck dump has been constructed near the southeast corner of the preparation plant. 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.*

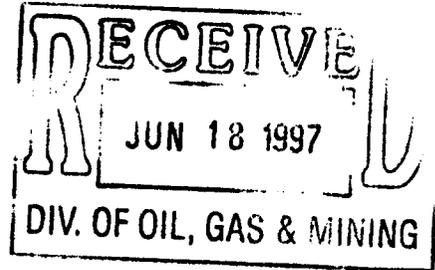
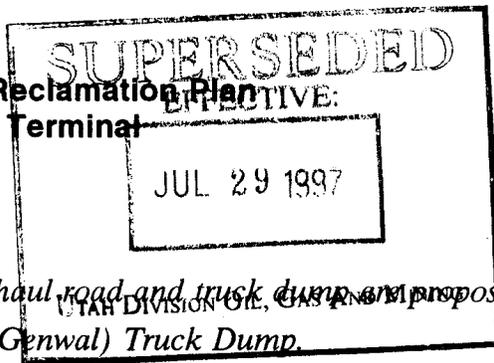
*A 220' long by-pass conveyor and 225 ton truck loadout bin have been constructed south/southwest of the preparation plant. The locations of the structures are shown on Plate 3-2, and construction details are shown on Plates 3-2C, 3-2D and 3-2E.*

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 Savage Coal Terminal are used exclusively for road surface drainage and no ditch relief culverts are planned.

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 phase of refuse disposal.



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 truck dump will consist of a 12' x 15' x 10' steel hopper mounted on a concrete pad. The hopper will receive coal from bottom dump trucks and feed it onto a portable stacking conveyor system, approximately 300' in length. The new truck dump, hopper and conveyor system have been discussed and approved in the Air Quality Approval Order. The conveyor units and hopper are all portable, and will simply be removed from site upon reclamation. The concrete and fill will be disposed of on site during reclamation. Reclamation costs are included in Appendix 3-3.

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 the stacking conveyor, discussed above.

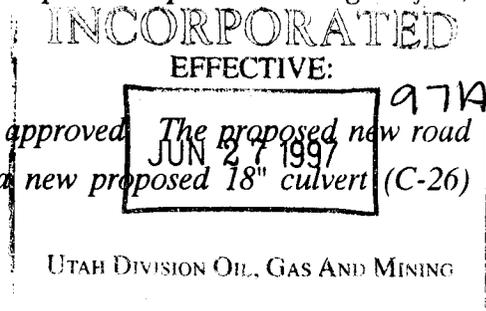
The purpose of the new haul road is to split up the existing truck traffic and allow trucks dumping specific coals to enter and exit through the southwest entrance. (This was the original main entrance and haul road into the site).

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.

The road will be surfaced with 6" of 3/4" gravel, furnished from a commercial gravel pit. Such material will be non-acid and non-toxic forming. The gravel surface will be used for approximately 4 months, after which time the new road may be paved with asphalt.

Gravel haul roads will be watered on an as-needed basis to minimize dust emissions. In addition, the roads will be maintained, graded and repaired to prevent damage to fish, wildlife and related environmental values.

The existing road drainage will remain as presently approved. The proposed new road will require the re-routing of an existing ditch to a new proposed 18" culvert (C-26)





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

Michael O. Leavitt  
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801-359-3940 (Fax)  
801-538-7223 (TDD)

July 28, 1997

James Jensen  
Savage Industries, Inc.  
5250 South 300 West, Ste 200  
Salt Lake City, Utah 84107

Re: Paving of 2,000 Feet of Haul Road, Savage Industries, Inc., Savage Coal Terminal,  
ACT/007/022-97C, File #2, Carbon County, Utah

Mr. Jensen:

The above referenced amendment is hereby approved effective July 29, 1997. Enclosed is a stamped incorporated copy for insertion into your Mining and Reclamation Plan.

If you have any questions please call me at 538-5290.

Sincerely,

*James W. Kelley for Joseph C. Helfrich*

Joseph C. Helfrich  
Permit Supervisor

tat  
Enclosure

cc: Mark Page, Water Rights, w/o  
Dave Ariotti, DEQ, w/o  
Bill Bates, DWR, w/o  
Jim Sauls, Savage Industries, w/o  
Dan Guy, Blackhawk Engineering, w/o  
Price Field Office

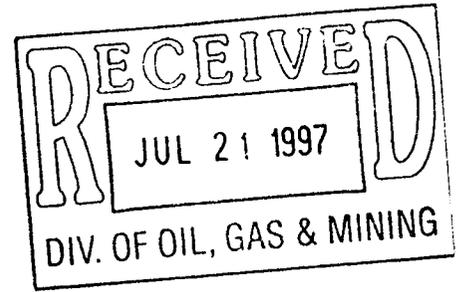
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(801) 359-3940 (Fax)



July 18, 1997

To: File

Thru: Joe Helfrich, Permit Supervisor *JK for JH*

From: Wm. J. Malencik, Reclamation Specialist *WJM*

RE: Proposed Road Surface Amendment, Savage Industries, Inc., Savage Coal Terminal, ACT/007/022-97C, Folder #2, Carbon County, Utah

This amendment was received at the Price Field Office on July 17, 1997.

Summary

The amendment application proposes to pave/blacktop about 2000 feet of primary road and the office parking area. The area to be paved is shown on plate 3-2 and is shaded to identify the project area. The project is all within the disturbed permitted area and utilizes existing backbone environmental systems.

Technical Analysis and Findings

It can be concluded that the paving project as described in the application does not involve nor have any adverse impacts on the following environmental items:

- (1) Soils, R645-301-200. Blacktop material is a commercial source.
- (2) Biology, R645-301-300.
- (3) Land Use and Air Quality, R645-301-400. The surface estate is patented and paving the road is propitious from an air quality standpoint.
- (4) Geology, R645-301-600. Not applicable.



- (5) Hydrology, R645-301-700. It would appear that the treatment of disturbed runoff and the runoff conveyance system remains intact and no modifications have been proposed in the application.

The exception to the foregoing five items are engineering and bonding/reclamation.

- (6) Engineering, R645-301-500. Item 19 on form C-1 has been checked in the affirmative. Engineering designs and cross sections and other similar information has been included in the application. Therefore, recommend an engineer review and prepare findings on this matter.
- (7) Bonding and Reclamation, R645-301-800. The application is silent on bonding and reclamation. On form C-1 the applicant responded to item 21 in the negative.

On the matter of bonding, this needs to be addressed and the application is deficient. How the blacktopped material would be handled in reclamation, perhaps, needs to be addressed. Suggest this time be evaluated by an engineer who will review the engineering aspects.

#### Recommendation

- (A) Engineering, reclamation, and bonding need to be reviewed by a qualified engineer and prepare required findings, and
- (B) The application be approved providing favorable findings are made in (A) above.