

*1998 Annual Report*

*Savage Coal Terminal*

*ACT/007/022*

File in:

Confidential

Shelf

Expandable

Refer to Record No. 0010, Date 04/01/1999

In CR 0070022, 1998, Submitting

For additional information

0010

**COPY**

SLC



**Savage Industries Inc.**  
2025 E. 5000 S.  
Price, Utah 84501  
(801) 637-5664  
(801) 637-3418 FAX

**Mary Ann Wright**  
**Associate Director of Mining**  
**Utah Coal Regulatory Program**  
**1594 West North Temple, Suite 1210**  
**Box 145801**  
**Salt Lake City, Utah 84114-5801**

**Re: Submittal of 1998 Annual Reports**  
**Savage Coal Terminal**  
**ACT/007/022; Folder #2**  
**Carbon County, Utah**

**Dear Ms. Wright:**

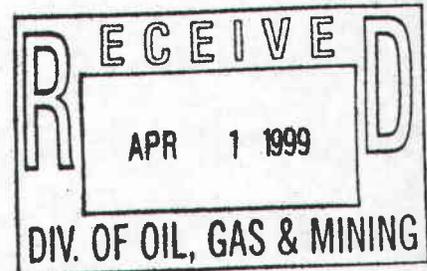
**Enclosed are 2 copies of the Annual Report for 1998 for the Savage Coal Terminal.**

**The report is filed in the format provided by the Division.**

**Sincerely,**

**Dan W. Guy**  
**for**  
**Boyd Rhodes**

**cc: Jeff Chesler - Savage**  
**Dan Guy - Blackhawk**  
**File**



*C10070022 1999 Incoming*

Refer to:

- Confidential
- Shelf
- Expandable

Date *04/01/99* For additional information

<b>GENERAL INFORMATION</b>
----------------------------

1. Permit Number	ACT/007/022
2. Mine Name	Savage Coal Terminal
3. Permittee Name	Savage Industries, Inc.
4. Operator Name (if other than Permittee)	
5. Permit Expiration Date	08/07/99
6. Company Representative, Title	Boyd Rhodes,
7. Phone Number	(435) 637-5664
8. Fax Number	(435) 637-3418
9. Mailing Address	Savage Industries, Inc.
	5250 South 300 West
	Suite 200
	Salt Lake City, Utah 84107
10. Resident Agent, Title	Corp. Trust Company
Mailing Address	1209 Orange Street
	Wilmington, DE 19801

<b>IDENTIFICATION OF OTHER PERMITS</b>
--

Identify other permits which are required in conjunction with mining and reclamation activities.

Permit Type	ID Number	Description	Expires on
1. MSHA Mine ID(s)	42-01444	Plant Loadout	N/A
	1211-UT-09-0034	Refuse Pile	N/A
2. MSHA Impoundment(s)	N/A		
3. NPDES/UPDES Permit(s) (water)	UTG040005	UPDES Permit 06/01/98	04/30/03

1998 ANNUAL REPORT	Savage Coal Terminal	ACT/007/022	Page 2
4. PSD (Air ) Permit(s)	DAQE-007-97	Approval Order	N/A
5.			
6.			

### CERTIFIED REPORTS

List the certified inspection reports as required by the rules and under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX A to this Annual Report or currently ON FILE with the Division.

Certified Reports:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Excess Spoil Piles		X		X		
2. Refuse Piles	X		X			
3. Impoundments	X		X			Ponds 1 thru 6
4.						
5.						

### REPORTING OF OTHER TECHNICAL DATA

List other technical data and information as required under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX B to this Annual Report or currently ON FILE with the Division.

Technical Data:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Climatological Data		X		X		
2. Subsidence Monitoring Data		X		X		
3. Vegetation Monitoring Data		X		X		
4. Raptor Data		X		X		
5. Soils Monitoring Data		X		X		None Taken.
6. Water Monitoring Data	X				X	Previously Submitted.
First Quarter Report	X				X	
Second Quarter Report	X				X	
Third Quarter Report	X				X	
Fourth Quarter Report	X				X	
7. Geological/Geophysical Data		X		X		
8. Engineering Data		X		X		
9. Other Data						



# APPENDIX A

## Certified Reports

Excess Spoil Piles  
Refuse Piles  
Impoundments

as required under R645-301-314

### CONTENTS

Refuse Pile Inspections

Annual Pond Inspections

SAVAGE COAL TERMINAL

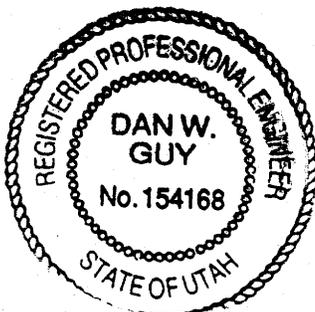
REFUSE PILE INSPECTION REPORT

MSHA SITE: 1211-UT-09-0034

QUARTER: 4/98

ITEM	REMARKS
(1) <i>Potential Safety Hazards</i>	<i>None Noted.</i>
(2) <i>Slope Stability</i>	<i>Slopes appear stable.</i>
(3) <i>Removal of Topsoil/Organics</i>	<i>N/A - No new removal necessary.</i>
(4) <i>Construction and Maintenance Performance Standards</i>	<i>Some Pond Sediment on Pile.</i>
	<i>Culvert -O.K.</i>
	<i>Ditches - O.K.</i>
(5) <i>Recommendations/Comments</i>	<i>Minor erosion on top of pile.</i>
	<i>Grade out sediment as it dries.</i>

*I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time.*



*Dan W. Guy*  
(Signature)

11/09/98  
(Date)

SAVAGE COAL TERMINAL

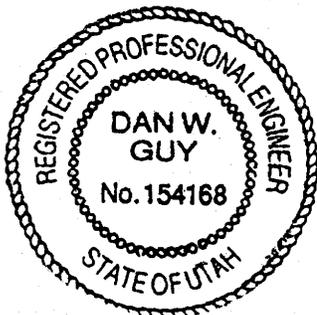
REFUSE PILE INSPECTION REPORT

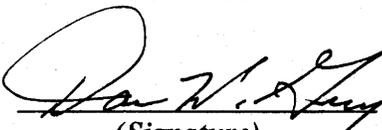
MSHA SITE: 1211-UT-09-0034

QUARTER: 3/98

ITEM	REMARKS
(1) Potential Safety Hazards	None Noted.
(2) Slope Stability	Slopes appear stable.
(3) Removal of Topsoil/Organics	N/A - No new removal necessary.
(4) Construction and Maintenance Performance Standards	Sediment Pond material placed on pile. Culvert - O.K. Ditches - O.K.
(5) Recommendations/Comments	Minor erosion on top of pile. Grade out rills and sediment pond material when dry.

I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time.



  
(Signature)

09/24/98  
(Date)

**SAVAGE COAL TERMINAL**

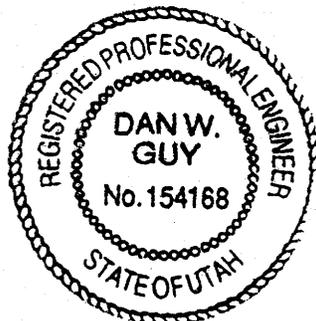
**REFUSE PILE INSPECTION REPORT**

MSHA SITE: 1211-UT-09-0034

QUARTER: 2/98

<i>ITEM</i>	<i>REMARKS</i>
<i>(1) Potential Safety Hazards</i>	<i>None Noted.</i>
<i>(2) Slope Stability</i>	<i>Slopes appear stable.</i>
<i>(3) Removal of Topsoil/Organics</i>	<i>N/A - No new removal necessary.</i>
<i>(4) Construction and Maintenance Performance Standards</i>	<i>Pile Graded - O.K.</i>
	<i>Culvert -O.K.</i>
	<i>Ditches - O.K.</i>
<i>(5) Recommendations/Comments</i>	<i>Minor erosion on top of pile.</i>

*I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time.*



*Dan W. Guy*  
(Signature)

06/10/98  
(Date)

SAVAGE COAL TERMINAL

REFUSE PILE INSPECTION REPORT

MSHA SITE: 1211-UT-09-0034

QUARTER: 1/98

ITEM	REMARKS
(1) Potential Safety Hazards	None Noted.
(2) Slope Stability	Slopes appear stable.
(3) Removal of Topsoil/Organics	N/A - No new removal necessary.
(4) Construction and Maintenance Performance Standards	Pile Graded - O.K. Culvert -O.K. Ditches - O.K.
(5) Recommendations/Comments	Minor erosion on top of pile.

I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time.



Dan W. Guy  
(Signature)

03/30/98  
(Date)

SAVAGE INDUSTRIES, INC.

1998 ANNUAL POND INSPECTION REPORT

POND: SED. POND 1

LOCATION: SAVAGE COAL TERMINAL

IMPOUNDMENTS

- |                                 |                                     |
|---------------------------------|-------------------------------------|
| (1) Stability                   | <u>Slopes Stable. Incised Pond.</u> |
| (2) Structural Weakness/Erosion | <u>None Noted.</u>                  |
| (3) Potential Safety Hazards    | <u>None Noted.</u>                  |
| (4) Depth of Impounded Water    | <u>0.5'</u>                         |
| (5) Existing Storage Capacity   | <u>1.18 acre feet</u>               |
| (6) Monitoring Procedures       | <u>Quarterly Inspection.</u>        |

SEDIMENT PONDS ONLY

- |  |                       |
|--|-----------------------|
| (7) Sediment Accumulation (Elev.)                | <u>5486.4</u>         |
| (8) Sediment Cleanout Level (Elev.)              | <u>5487.2</u>         |
| (9) Principle Spillway (Elev.)                   | <u>5491.8</u>         |
| (10) Emergency Spillway (Elev.)                  | <u>5491.8</u>         |
| (11) Existing Sediment Capacity<br>(To Cleanout) | <u>0.29 acre feet</u> |

GENERAL

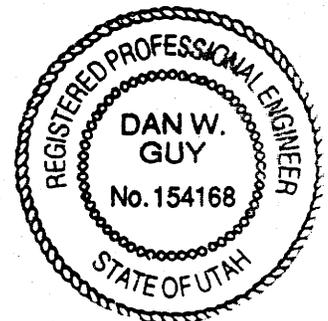
- |                               |                      |
|-------------------------------|----------------------|
| (12) Comments/Recommendations | <u>Pond O.K.</u>     |
|                               | <u>No Discharge.</u> |

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

  
(Signature)

11/09/98  
(Date)



SAVAGE INDUSTRIES, INC.

1998 ANNUAL POND INSPECTION REPORT

POND: SED. POND 2

LOCATION: SAVAGE COAL TERMINAL

IMPOUNDMENTS

- (1) Stability Slopes Stable. Incised Pond.
- (2) Structural Weakness/Erosion None Noted.
- (3) Potential Safety Hazards None Noted.
- (4) Depth of Impounded Water 2.0'
- (5) Existing Storage Capacity 0.66 acre feet
- (6) Monitoring Procedures Quarterly Inspection.

SEDIMENT PONDS ONLY

- (7) Sediment Accumulation (Elev.) 5484.8
- (8) Sediment Cleanout Level (Elev.) 5485.5
- (9) Principle Spillway (Elev.) 5492.3
- (10) Emergency Spillway (Elev.) 5492.3
- (11) Existing Sediment Capacity (To Cleanout) 0.14 acre feet

GENERAL

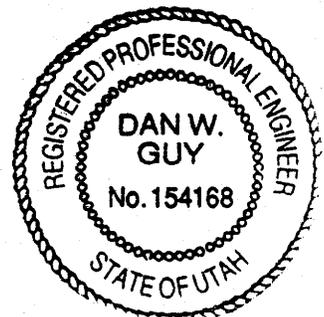
- (12) Comments/Recommendations No Discharge.

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

*Dan W. Guy*  
(Signature)

11/09/98  
(Date)



SAVAGE INDUSTRIES, INC.

1998 ANNUAL POND INSPECTION REPORT

POND: SED. POND 3

LOCATION: SAVAGE COAL TERMINAL

IMPOUNDMENTS

- |                                 |                                     |
|---------------------------------|-------------------------------------|
| (1) Stability                   | <u>Slopes Stable. Incised Pond.</u> |
| (2) Structural Weakness/Erosion | <u>None Noted.</u>                  |
| (3) Potential Safety Hazards    | <u>None Noted.</u>                  |
| (4) Depth of Impounded Water    | <u>N/A - Dry.</u>                   |
| (5) Existing Storage Capacity   | <u>0.90 acre feet</u>               |
| (6) Monitoring Procedures       | <u>Quarterly Inspection.</u>        |

SEDIMENT PONDS ONLY

- |  |                       |
|--|-----------------------|
| (7) Sediment Accumulation (Elev.)                | <u>5484.1</u>         |
| (8) Sediment Cleanout Level (Elev.)              | <u>5484.8</u>         |
| (9) Principle Spillway (Elev.)                   | <u>5491.4</u>         |
| (10) Emergency Spillway (Elev.)                  | <u>5491.4</u>         |
| (11) Existing Sediment Capacity<br>(To Cleanout) | <u>0.14 acre feet</u> |

GENERAL

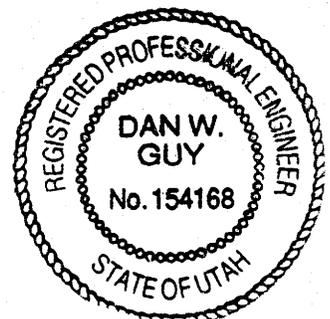
- |                               |                      |
|-------------------------------|----------------------|
| (12) Comments/Recommendations | <u>No Discharge.</u> |
|-------------------------------|----------------------|

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

*Dan W. Guy*  
(Signature)

11/09/98  
(Date)



SAVAGE INDUSTRIES, INC.

1998 ANNUAL POND INSPECTION REPORT

POND: PLANT OVERFLOW (#4)

LOCATION: SAVAGE COAL TERMINAL

IMPOUNDMENTS

- |                                 |   |
|---------------------------------|---|
| (1) Stability                   | <u>Slopes Stable. Incised Pond.</u>                         |
| (2) Structural Weakness/Erosion | <u>None Noted.</u>  |
| (3) Potential Safety Hazards    | <u>None Noted.</u>  |
| (4) Depth of Impounded Water    | <u>5.0'</u>   |
| (5) Existing Storage Capacity   | <u>0.05 acre feet</u>                                       |
| (6) Monitoring Procedures       | <u>Not a Sediment Pond.</u><br><u>Quarterly Inspection.</u> |

SEDIMENT PONDS ONLY

- |  |            |
|--|------------|
| (7) Sediment Accumulation (Elev.)                | <u>N/A</u> |
| (8) Sediment Cleanout Level (Elev.)              | <u>N/A</u> |
| (9) Principle Spillway (Elev.)                   | <u>N/A</u> |
| (10) Emergency Spillway (Elev.)                  | <u>N/A</u> |
| (11) Existing Sediment Capacity<br>(To Cleanout) | <u>N/A</u> |

GENERAL

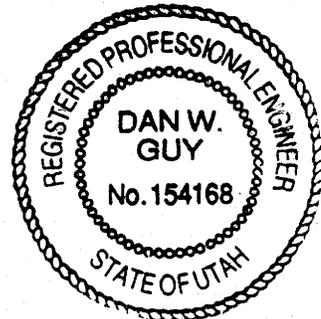
- |                               |   |
|-------------------------------|---|
| (12) Comments/Recommendations | <u>Overflow to Sed. Pond</u><br><u>6 - then recirculated.</u> |
|-------------------------------|---|

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

  
(Signature)

11/09/98  
(Date)



SAVAGE INDUSTRIES, INC.

1998 ANNUAL POND INSPECTION REPORT

POND: SED. POND 5

LOCATION: SAVAGE COAL TERMINAL

IMPOUNDMENTS

- |                                 |                                     |
|---------------------------------|-------------------------------------|
| (1) Stability                   | <u>Slopes Stable. Incised Pond.</u> |
| (2) Structural Weakness/Erosion | <u>None Noted.</u>                  |
| (3) Potential Safety Hazards    | <u>None Noted.</u>                  |
| (4) Depth of Impounded Water    | <u>0.5'</u>                         |
| (5) Existing Storage Capacity   | <u>3.95 acre feet</u>               |
| (6) Monitoring Procedures       | <u>Quarterly Inspection.</u>        |

SEDIMENT PONDS ONLY

- |  |                       |
|--|-----------------------|
| (7) Sediment Accumulation (Elev.)                | <u>5474.0</u>         |
| (8) Sediment Cleanout Level (Elev.)              | <u>5475.2</u>         |
| (9) Principle Spillway (Elev.)                   | <u>5482.0</u>         |
| (10) Emergency Spillway (Elev.)                  | <u>5482.0</u>         |
| (11) Existing Sediment Capacity<br>(To Cleanout) | <u>0.40 acre feet</u> |

GENERAL

- |                               |                      |
|-------------------------------|----------------------|
| (12) Comments/Recommendations | <u>No Discharge.</u> |
|                               | <u>Pond Cleaned.</u> |

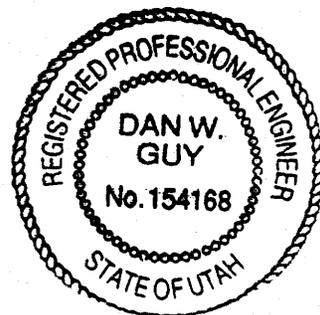
STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

\_\_\_\_\_  
(Signature)

11/09/98

(Date)



SAVAGE INDUSTRIES, INC.

1998 ANNUAL POND INSPECTION REPORT

POND: SED. POND 6

LOCATION: SAVAGE COAL TERMINAL

IMPOUNDMENTS

(1) Stability	<u>Slopes Stable. Incised Pond.</u>
(2) Structural Weakness/Erosion	<u>None Noted.</u>
(3) Potential Safety Hazards	<u>None Noted.</u>
(4) Depth of Impounded Water	<u>3.0'</u>
(5) Existing Storage Capacity	<u>1.13 acre feet</u>
(6) Monitoring Procedures	<u>Quarterly Inspection.</u> <u>U.P.D.E.S. Discharge.</u>

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	<u>5474.0</u>
(8) Sediment Cleanout Level (Elev.)	<u>5474.7</u>
(9) Principle Spillway (Elev.)	<u>5480.3</u>
(10) Emergency Spillway (Elev.)	<u>5480.3</u>
(11) Existing Sediment Capacity (To Cleanout)	<u>0.14 acre feet</u>

GENERAL

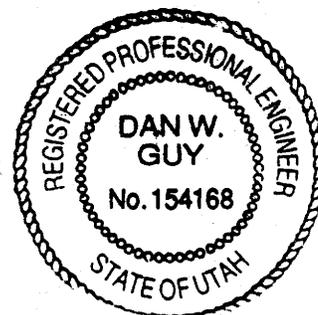
(12) Comments/Recommendations	<u>No Discharge.</u> <u>Inlets Cleaned.</u>
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STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

  
(Signature)

11/09/98  
(Date)



## APPENDIX B

### Reporting of Technical Data

including monitoring data, reports, maps, and other information  
as required under the approved plan  
or as required by the Division

in accordance with the requirements of R645-301-130 and R645-301-140.

### CONTENTS

4<sup>th</sup> Quarter Water Monitoring - On File

## APPENDIX C

Legal, Financial, Compliance and Related Information

Annual Report of Officers  
as submitted to the Utah Department of Commerce  
and other changes in ownership and control information  
as required under R645-301-110.

### CONTENTS

(No Change)

## **APPENDIX D**

Mine Maps

as required under R645-301-525.270.

### **CONTENTS**

N/A - Not Required

# APPENDIX E

Other Information

in accordance with the requirements of R645-301 and R645-302.

## CONTENTS

N/A