

0018

SAVAGE

Savage Services Corporation
2025 East 5000 South
Price, UT 84501

(435) 637-5664
Fax (435) 637-3418

Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Re: Clean Copies
B.T.U. Resource Recovery
Plan for Refuse Material
Savage Coal Terminal M.R.P.
ACT/007/022
Carbon County, Utah

*Incoming
c/007/0022*

Dear Pam:

Enclosed are 3 clean copies of the plan to utilize a portion of the Savage Coal Terminal refuse pile as a B.T.U. resource recovery material. A C₁/C₂ Form is also included.

If you need any additional information, please let me know.

Sincerely,



Dan W. Guy
for
Boyd Rhodes, Manager

cc: Pete Hess - DOGM
Boyd Rhodes - Savage
File

RECEIVED

AUG 19 2005

DIV. OF OIL, GAS & MINING

Creative Solutions for Materials Management and Transportation Systems and Facilities

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: ACT/007/022
Title of Proposal: B.T.U. Resource Recovery Plan for Refuse - Clean Copies.						Mine: Savage Coal Terminal
						Permittee: Savage Services Corp.

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

Refuse/Waste Utilization.

Instructions: If you answer yes to any of the first 8 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to your reclamation

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres Disturbed Area? <u>13.3</u> acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Is the application submitted as a result of a Division Order? DO #
<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 proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Is the application submitted as a result of a Violation? NOV #
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain: Division Request
<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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input type="checkbox"/> Yes	<input checked="" 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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

X Attach 3 complete copies of the application.

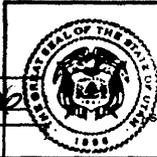
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Wendel L. Jacobson
Signed - Name - Position - Date

Subscribed and sworn to before me this 17 day of Aug., 2005

Wendel L. Jacobson
Notary Public

My Commission Expires: 1-7, 2006
Attest: STATE OF Ut Carbon COUNTY OF _____



WENDEL L. JACOBSON
NOTARY PUBLIC • STATE of UTAH
821 CASTLE GATE CIRCLE
HELPER, UTAH 84526
COMM. EXP. 1-7-2006

Received by RECEIVED AUG 19 2005 DIV. OF OIL, GAS & MINING
ASSIGNED TRACKING NUMBER

Mining and Reclamation Plan
Savage Coal Terminal

The main refuse disposal area (#2 - Plate 3-3) will be removed and burned in the Sunnyside Cogeneration Power Plant, starting in the fall of 2000. The pile has been surveyed and found to contain approximately 684,000 cubic yards of material. As of 2005, only a relatively small amount of material has been removed from the east and west ends of the pile. The power plant has been utilizing waste material from another site; however, it is still anticipated that the Savage Coal Terminal refuse will be used in the future.

An alternative proposal has been made to use the refuse as a B.T.U. resource recovery material. This is simply another form of waste utilization for the refuse, and provides Savage Services Corporation with an alternate method of removing the refuse pile and having it used beneficially. The details of the B.T.U. resource recovery plan are provided in Appendix 3-6. This plan is not intended to replace or supercede the original plan for the refuse pile removal, but merely to supplement the original plan. Having an additional or alternate plan will help ensure that the refuse is removed and used in an approved and beneficial manner.

The material will be removed over a period of 3-4 years, and the area will be utilized as a coal storage area through the operational life of the facility. When the area is no longer required for the operation, it will be reclaimed according to the approved plan.

Details on the refuse pile and plan for removal are found in Appendices 3-4 and 3-6 of this plan. Information on the refuse areas provided on the following pages of this Chapter has not been modified or eliminated at this time, since the pile is still in place and design, maintenance and inspection details are still relevant. Once the pile is removed, all non-relevant information concerning refuse disposal on this site will be removed from the plan.

5/2005

APPENDIX 3-6

B.T.U. Resource Recovery Plan

for

Refuse Pile

**B.T.U. Resource Recovery Plan
for
Refuse Material**

Introduction : Savage Services Corporation is proposing to utilize a portion of the existing Savage Coal Terminal refuse pile as a B.T.U. Resource Recovery Material. A plan and approval are in place for removal of the refuse pile and subsequent burning of the material in the Sunnyside Cogeneration Associates power plant. This proposal is not intended to replace that plan, but to supplement it, since the power plant has not been consistent in its usage of the material.

General : The proposal is to remove at least 15,000 tons of refuse material to be used as a B.T.U. resource recovery material. The refuse will be blended with a coal product, shipped to and burned in cement plants. The actual amount of refuse material to be recovered will be determined by analyses and customer demand.

The plan for removal is detailed in Appendix 3-4. The overall plan will remain the same; however, dates of removal will vary since Sunnyside Cogeneration Associates have not been taking the refuse on a regular basis.

Under this alternate scenario, refuse will be removed, blended and shipped to the customer for burning. Refuse will be provided at no cost as per the "no value determination". Refuse remains under ownership of Savage Services Corporation until shipped.

The refuse, or B.T.U. resource recovery material, will be handled and burned by the customer in the same manner as any other fuel product at their site.

The material has been tested and found to be non-acid and non-toxic. (See Attachment 1)

The removal plan will be as shown and described in Appendix 3-4, whether the refuse material is shipped to Sunnyside Cogeneration Associated, or utilized as a B.T.U. resource recovery material.

Existing Approvals :

- 1- Removal of the entire refuse pile for burning at the Sunnyside Cogeneration Plant was approved by the Division on 8/10/2000;

- 2- A "No Value Determination" for the refuse was made by OSM on 10/28/2000;
- 3- MSHA approved the removal and ground control plan on 7/31/2000.

Environmental Controls : The method of removal and environmental controls will remain the same as described and approved in Appendix 3-4 of this M.R.P.

Attachment 1

Acid-Toxic Analysis
for
Savage Coal Terminal Refuse



General Offices: P.O. Box 995 Price, Utah 84501 435-637-4343
 Laboratory: 545 East 100 North Price, Utah 84501

Submitted to:

6/1/2005

Commonwealth Coal Sales

5413 Patterson Ace.
 Suite 205
 Richmond, VA 23226

Date Sampled: 5/4/2005
 Date Received: 5/4/2005

Sample Identification:
 Composite of Savage Holes
 H33-S1, H31-S2, H34-S1

Sampled By: SCT Auto
 Identification By: WRRJ

Analysis Report #: 49997

CERTIFICATE OF ANALYSIS

Mineral Ash Analysis

Parameter	Percent Weight Ignited Basis
Silica, SiO ₂	55.34
Alumina, Al ₂ O ₃	10.51
Titania, TiO ₂	0.97
Lime, CaO	6.55
Ferric Oxide, Fe ₂ O ₃	2.87
Potassium Oxide, K ₂ O	0.82
Magnesia, MgO	2.44
Sodium Oxide, Na ₂ O	0.71
Sulfure Trioxide, SO ₃	17.30
Phosphorus Pentoxide, P ₂ O ₅	0.50
Undetermined	1.99
Alkalie Content, Total on Ash =	0.26
Silica Value =	82.35
Base to Acid Ratio =	0.20
Estimated Temperature of Critical Viscosity =	xxxx
Estimated T250 Temperature =	2700

Respectfully Submitted,
 HORIZON LABORATORIES

A handwritten signature in black ink, appearing to read "W. R. R. J.", is written over the printed name of the Laboratory Manager.

Laboratory Manager



General Offices: P.O. Box 995 Price, Utah 84501 435-637-4343
 Laboratory: 545 East 100 North Price, Utah 84501

Submitted to:

6/1/2005

Commonwealth Coal Sales

5413 Patterson Ace.

Suite 205

Richmond, VA 23226

Date Sampled: 5/4/2005

Date Received: 5/4/2005

Sampled By: SCT Auto

Identification By: WRR1

Sample Identification:

Composite of Savage Holes

H33-S1, H31-S2, H34-S1

Analysis Report #: 49997

CERTIFICATE OF ANALYSIS

Proximate

	As Received Basis	Dry Basis
% Moisture	7.73	-----
% Ash	19.21	20.82
% Volatile Matter	34.67	37.57
% Fixed Carbon	38.39	41.61
	<hr/> 100.00	<hr/> 100.00
% Sulfur	0.66	0.71
Btu/Lb.	10053	10895

Moisture Ash Free Btu/Lb.

13760

Respectfully Submitted,
 HORIZON LABORATORIES

Laboratory Manager



General Offices: P.O. Box 995 Price, Utah 84501 435-637-4343
 Laboratory: 545 East 100 North Price, Utah 84501

Submitted to:

6/1/2005

Commonwealth Coal Sales

5413 Patterson Ace.
 Suite 205
 Richmond, VA 23226

Date Sampled: 5/4/2005

Date Received: 5/4/2005

Sampled By: SCT Auto
 Identification By: WRR1

Sample Identification:

Composite of Savage Holes
 H33-S1, H31-S2, H34-S1

Analysis Report #: 49997

CERTIFICATE OF ANALYSIS

Ultimate Analysis

%	As Received Basis	Dry Basis
Moisture	7.73	-----
Carbon	57.90	62.75
Hydrogen	3.77	4.09
Nitrogen	1.23	1.33
Ash	19.21	20.82
Sulfur	0.66	0.71
Oxygen	9.50	10.30
	100.00	100.00

Respectfully Submitted,
 HORIZON LABORATORIES

A handwritten signature in black ink, appearing to read "W. R. R. 1", is written over the printed name of the Laboratory Manager.

Laboratory Manager