

C/007/022 Incoming

#3707

OK

SAVAGE

Savage Services Corporation
Coal & Power Services Group
2025 East 5000 South
Box 1001
Price, UT 84501

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

Mr. Daron Haddock
Coal Program Manager
Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Water Monitoring Amendment
Savage Coal Terminal
C/007/022
Carbon County, Utah

Dear Mr. Haddock:

Enclosed are 3 copies of a proposed amendment to the Savage Coal Terminal MRP. This proposal is to clarify the commitment to take baseline water samples every 5 years, and to list the parameters that will be analyzed.

Modified pages for Chapter 7 and required C1/C2 Forms are included with this submittal.

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

Sincerely,



Garth Nielsen
General Manager

cc: Dan W. Guy, Blackhawk Engineering, Inc.
Pete Hess, DOGM
File

RECEIVED
DEC 13 2010
DIV. OF OIL, GAS & MINING

APPLICATION FOR PERMIT PROCESSING

<input checked="" type="checkbox"/> Permit Change X	<input type="checkbox"/> New Permit	<input type="checkbox"/> Renewal	<input type="checkbox"/> Transfer	<input type="checkbox"/> Exploration	<input type="checkbox"/> Bond Release	Permit Number: C/007/022
Title of Proposal:						Mine: Savage Coal Terminal
Water Monitoring Amendment						Permittee: Savage Services Corp.

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

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 specialist.

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres Disturbed Area? _____ acres <input 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 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 checked="" type="checkbox"/> Yes	<input 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 checked="" type="checkbox"/> Yes	<input 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.

[Signature] Signed - Name - Position - Date *General Manager 12-9-10*

Subscribed and sworn to before me this 9 day of Dec. 12 2010

07-02-2014 Notary Public *[Signature]*
 My Commission Expires: 12-19-10 2010
 Attest: STATE OF UTAH
 COUNTY OF CARBO

TAMI L MCKENDRICK
 NOTARY PUBLIC-STATE OF UTAH
 COMMISSION# 583388
 COMM EXP 07-02-2014

Received by Oil, Gas & Mining

RECEIVED

DEC 13 2010

DIV. OF OIL, GAS & MINING
 ASSIGNED TRACKING NUMBER

731.200. There are presently 2 surface water monitoring points and 3 groundwater monitoring stations at the Savage Coal Terminal. All other ground water monitoring wells have been removed and sealed as of May 1999. The following is a list of existing water monitoring stations, along with sample frequency:

WATER MONITORING PROGRAM

Station	Location	Type	Frequency	Flow Device	Results To	Remarks
CV-1-W	Pumphouse	French Drain	Bi-annually	Time/Volume or Depth	DOGM	Sample during 2 nd and 4 th Quarters.
CV-14-W	N.E. Corner Property	Ditch	Bi-annually	Time/Volume	DOGM	Sample during 2 nd and 4 th Quarters.
CV-15-W	Sediment Pond Discharge	Pond Outlet	Monthly	Hand-Held Time/Volume	E.P.A., DOGM, Utah Health Dept.	Monitored per UPDES Permit
S-1-GW	South of French Drain	Ground Water Monitoring Well	Quarterly	Grab Sample Depth	DOGM	Quarterly - 2 years Bi-Annual - After
S-2-GW	South of Pond 5	Ground Water Monitoring Well	Quarterly	Grab Sample Depth	DOGM	Quarterly - 2 years Bi-Annual - After

Note: In addition to the above regular water monitoring schedule, baseline sampling will be completed on all stations at least once each 5 years. Baseline samples were taken in the 4th Quarter of 2009 and are scheduled to be taken again in the 4th Quarter of 2013. Baseline samples are analyzed per the parameter list on Table 7-17.

Water monitoring will include parameters on Table 7-17. Results will be submitted to the Division within 60 days following the end of each sampling cycle.

731.210. Ground-Water Monitoring. Ground-water monitoring will be conducted according to the plan approved under R645-301-731.200 and the following:

731.211. See 731.200 and Table 7-17.

731.212. Ground-water will be monitored and data will be submitted at least every six months for the French Drain and every quarter for the ground water monitoring wells S-1-GW and S-2-GW. Monitoring submittals will include analytical results from each sample taken during the approved reporting period. When the analysis of any ground-water sample indicates noncompliance with the permit conditions, then the operator will promptly notify the Division and immediately take the actions provided for in R645-300-145 and R645-301-731.

732.213. N/A - Not requested.

731.214. Groundwater monitoring will continue through operation; however, since the French Drain and monitoring wells will be removed during reclamation further monitoring of those sites will not be possible.

**TABLE 7-17
SAVAGE COAL TERMINAL WATER MONITORING PARAMETERS**

Field Measurements:		
Water Level or Flow:		
pH:		
Specific Conductivity:		
Temperature:		
Dissolved Oxygen: (Perennial streams only)		
Laboratory Measurements (mg/l): (Standard)	Additional Parameters for 5-Year Baseline	
**Total Settleable Solids:	Alkalinity	
Total Suspended Solids:	Ammonia	
Total Dissolved Solids:	Lead (Dissolved)	
Total Hardness (as CaCO ₃):	Boron (Dissolved and Total)	
Acidity (CaCO ₃):	Selenium (Dissolved and Total)	
*Carbonate (CO ₃ ⁻²):	Molybdenum (Dissolved)	
*Bicarbonate (HC ₃ ⁻¹):	Nitrite	
*Calcium (Ca):	Orthophosphate	
Chloride (Cl ⁻):	Nitrate	
Iron (Fe):	Arsenic (Dissolved)	
*Magnesium (Mg):	Aluminum (Dissolved)	
*Total Manganese (Mn):	Cadmium (Dissolved)	
*Potassium (K):	Zinc (Dissolved)	
*Sodium (Na):		
*Sulfate (SO ₄ ⁻²):		
***Oil and Grease:		
Cation - Anion Balance:		
* Dissolved Form	** UPDES Samples Only	*** Designated Samples Only