

**TABLE 7-25  
CULVERT DESIGN SPECIFICATIONS**

Culvert Number	Discharge (cfs)	Diameter (ft)	Length (ft)	Normal Depth	Velocity (ft/sec)
C-1	0.81	1.0	30	0.45	2.38
C-1a	0.81	2.0	55	0.45	2.38
C-2	0.98	1.5	400	0.35	2.80
C-3	3.70	(2) 1.5	60	0.59	2.90
C-4	1.11	1.5	100	0.40	2.05
C-5	9.68	2.0	260	1.35	3.59
C-6	0.80	1.5	30	0.38	2.20
C-6A	0.80	2.0	300	0.38	2.20
C-7	10.56	2.0	40	1.43	4.40
C-8	0.77	1.5	60	0.38	2.20
C-9	1.44	1.5	50	0.51	2.70
C-10	11.97	2.0	40	1.60	4.44
C-12	5.11	1.5	40	1.11	3.64
C-13	5.11	1.5	130	1.17	4.73
C-13A	5.11	1.5	60	1.11	3.64
C-13B	5.11	1.50	100	1.11	3.64
C-15	20.50	2.0	30	2.87*	7.60*
C-16	1.34	2.0	350	0.45	2.10
C-17	0.80	1.5	160	0.46	2.20
C-18	0.80	1.5	100	0.46	2.20
C-19	0.22	1.0	50	0.28	1.19
C-20	0.22	1.0	50	0.28	1.19
C-21	1.11	2.0	200	0.34	2.05
C-22	13.88	2.0	175	2.10*	11.49
C-23	0.15	1.0	45	0.20	1.50
C-24	1.44	1.5	40	0.51	2.70
C-25	1.11	1.5	60	0.40	2.05
C-25A	1.11	1.5	50	0.40	2.05
C-26	1.44	1.5	50	0.51	2.70
C-27	1.44	1.5	50	0.51	2.70
C-28	1.44	1.5	50	0.51	2.70
C-29	0.48	1.5	40	0.44	3.11

\*Head Water Depth = 3.50 ft.

\*\*\*Erosion to be minimized by the use of 9" med. diam. rip-rap at the culvert outlet.

File in:  
 Confidential  
 Shelf  
 Expandable  
Refer to Record No 0014 Date 0604/2009  
In C10070022, 2007 Incomeing  
For additional information

0014

**COPY**

*C/007/022 Incoming*

*#3282*

*OK*

**SAVAGE**

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

June 4, 2009

(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

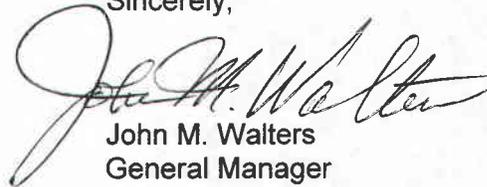
Re: Culvert Addition – Clean Copies  
Savage Coal Terminal  
C/007/022  
Carbon County, Utah

Dear Mr. Haddock:

Enclosed are 4 clean copies of the previously submitted culvert addition at the Savage Coal Terminal. These copies are for the conditionally approved MRP Reformatted Plan.

Revised pages and plates for the conditionally approved MRP are included with this submittal. A C<sub>1</sub>/C<sub>2</sub> Form is also enclosed. If you have any questions, or need additional information, please let me know.

Sincerely,



John M. Walters  
General Manager

cc: Pete Hess, DOGM  
File

*C/007/002 2009 Incoming*

Refer to:

- Confidential
- Shelf
- Expandable

Date *6/6/09* for additional information

**RECEIVED**

**JUN 10 2009**

## 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: C/007/022
Title of Proposal:						Mine: Savage Coal Terminal
Proposed Culvert Addition – Clean Copies						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 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 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.

Signed - Name - Position - Date

Subscribed and sworn to before me this 8 day of JUNE, 2009

03-07-2010 Notary Public  
 My Commission Expires: 6-8-2009  
 Attest: STATE OF UTAH  
 COUNTY OF CANYON

TAMI L WARDLE  
 NOTARY PUBLIC • STATE OF UTAH  
 1323 SOUTH 600 WEST  
 PRICE UT 84501  
 MY COMMISSION EXPIRES 02-07-2010



Received by Oil, Gas &amp; Mining

**RECEIVED**

JUN 10 2009

DIV. OF OIL, GAS &amp; MINING

ASSIGNED TRACKING NUMBER

