

0008

C/007/022 Incoming

COPY

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#3282

SAVAGE

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

April 30, 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: Proposed Culvert Addition
Savage Coal Terminal
C/007/022
Carbon County, Utah

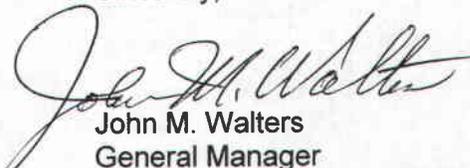
Dear Mr. Haddock:

Enclosed are 3 copies of a proposed amendment to add a new culvert at the Savage Coal Terminal. The proposed culvert will be installed in an existing drainage area on the access road (PR-13) to the settling ponds. This area has a very small amount of runoff, but it does tend to collect water and create muddy conditions on the road crossing. The culvert will drain into the existing disturbed ditch (CD-6), which flows to Sediment Pond No. 1.

Since this is a simple culvert installation in a drainage area already designated to flow to the sediment ponds, there is no need to revise pond or drainage calculations. The reclamation cost would also be insignificant compared to the overall bond and contingency.

Revised pages and plates for the approved MRP are included with this submittal. A C₁/C₂ Form is also enclosed. If you have any questions, or need additional information, please let me know.

Sincerely,


John M. Walters
General Manager

RECEIVED

MAY 11 2009

DIV. OF OIL, GAS & MINING

cc: Pete Hess, DOGM
File

File in:
C/007/0022 2009 Incoming

Refer to:
 Confidential
 Shelf

Expandable
Date: 043009 For additional information

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						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.

9 Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres Disturbed Area? _____ acres 9 increase 9 decrease.
9 Yes	<input checked="" type="checkbox"/> No	2. Is the application submitted as a result of a Division Order? DO #
9 Yes	<input checked="" type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
9 Yes	<input checked="" type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
9 Yes	<input checked="" type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
9 Yes	<input checked="" type="checkbox"/> No	6. Does the application require or include public notice/publication?
9 Yes	<input checked="" type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
9 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?
9 Yes	<input checked="" type="checkbox"/> No	9. Is the application submitted as a result of a Violation? NOV #
9 Yes	<input checked="" type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain: Request by Division. Permit Renewal
9 Yes	<input checked="" type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
9 Yes	<input checked="" type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)
9 Yes	<input checked="" type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
9 Yes	<input checked="" type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
9 Yes	<input checked="" type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
9 Yes	<input checked="" type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
X Yes	<input type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
X Yes	<input type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
X Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
9 Yes	<input checked="" type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
9 Yes	<input checked="" type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
9 Yes	<input checked="" type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
9 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

Tami L Wardle 4/30/09
GENERAL MANAGER

Subscribed and sworn to before me this 30 day of APRIL 2009

Louis L. Wardle
Notary Public
03-07-2010 to 2009



TAMI L WARDLE
NOTARY PUBLIC - STATE of UTAH
1323 SOUTH 600 WEST
PRICE UT 84501

My Commission Expires: STATE OF COUNTY OF

Received by Oil, Gas & Mining

RECEIVED

MAY 11 2009

DIV. OF OIL, GAS & MINING
ASSIGNED TRACKING NUMBER

MY COMMISSION EXPIRES: 03-07-2010

Circular Channel Analysis & Design
Solved with Manning's Equation

Open Channel - Uniform flow

Worksheet Name: Savage Coal Terminal

Comment: Culvert C-29

Solve For Full Flow Diameter

Given Input Data:

Slope.....	0.0330 ft/ft
Manning's n.....	0.020
Discharge.....	0.48 cfs

Computed Results:

Full Flow Diameter.....	0.44 ft
Full Flow Depth.....	0.44 ft
Velocity.....	3.11 fps
Flow Area.....	0.15 sf
Critical Depth....	0.36 ft
Critical Slope....	0.0332 ft/ft
Percent Full.....	100.00 %
Full Capacity.....	0.48 cfs
QMAX @.94D.....	0.52 cfs
Froude Number.....	FULL

Open Channel Flow Module, Version 3.43 (c) 1991
Haestad Methods, Inc. * 37 Brookside Rd * Waterbury, Ct 06708

Project Title = Culvert C-29 (10/24)

WATERSHED HYDROGRAPH

Inflow into structure # 1

Structure type: Null

-- Watershed data for watershed # 1

Curve number = 90.0
Area = 0.6 acres
Hydraulic length = 300.00 Feet
Elevation change = 10.0 feet.
Concentration time = 0.05 hours
Concentration time type = SCS Upland Curves
Unit hydrograph type = Disturbed

-- Total Area = 0.6 acres

-- Storm data

Total precipitation = 1.7 inches
Storm type = SCS Type 2 storm, 24 hour storm
Peak Discharge = 0.48 cfs
Discharge volume = 0.04 acre ft