

C/015/032 Incoming

#4385
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P.O. Box 910, East Carbon, Utah 84520 794 North "C" Canyon Rd, East Carbon, Utah 84520
Telephone (435) 888-4000 Fax (435) 888-4002

Daron Haddock
Permit Supervisor
Utah Division of Oil, Gas and Mining
P.O. Box 145801
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

July 24, 2013

Re: Bond Calculations for the Burma Pond Fence (13-009))

Dear Mr. Haddock:

Please find attached five (5) copies of the calculations for bonding of the Burma Pond Fence.

Completed C1 and C2 forms are included.

If you have any questions please give me a call at (435) 888-4007.

Sincerely,

R. Jay Marshall P.E.
Resident Agent

RECEIVED
RECEIVED
JUL 29 2013
DIV. OF OIL, GAS & MINING
DIV. OF OIL, GAS & MINING

APPLICATION FOR PERMIT PROCESSING

<input 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: 015/032
Title of Proposal: Burma Pond Fence Bond Calculations (13-009)						Mine: GENWAL Mine
						Permittee: GENWAL Resources, Inc.

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 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 type="checkbox"/> No	2. Is the application submitted as a result of a Division Order?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input 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 type="checkbox"/> No	9. Is the application submitted as a result of a Violation?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain:
<input type="checkbox"/> Yes	<input type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing?
<input 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 type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input 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 type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

Attach 5 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. (R645-301-123)

R. Jay Marshall 7/24/13
Signed Name - Position - Date

Subscribed and sworn to before me this 24th day of July, 2013.

Linda Kerns
Notary Public
My Commission Expires: 3.27.17
Attest: Utah STATE OF
COUNTY OF Carbon



Received by Oil, Gas & Mining

RECEIVED

JUL 29 2013

DIV. OF OIL, GAS & MINING
ASSIGNED TRACKING NUMBER

Bonding Calculations
Crandall Canyon Mine C/007/032
Revised

July 24, 2013

Bond Summary

Direct Costs

Subtotal Demolition and Removal	\$782,294.67	
Subtotal Backfilling and Grading	\$552,982.72	
Subtotal Revegetation	\$62,735.00	
Direct Costs	\$1,398,012.39	

Indirect Costs

Mob/Demob	\$139,801.00	10.0%
Contingency	\$69,901.00	5.0%
Engineering Redesign	\$34,950.00	2.5%
Main Office Expense	\$95,065.00	6.8%
Project Management Fee	\$34,950.00	2.5%
Subtotal Indirect Costs	\$374,667.00	26.8%

Total

\$1,772,679.39

Escalation factor

0.012

Number of years

5

Escalation

\$108,944.00

Total Main Mine

\$1,881,623.39

East Mountain

\$404,619.00

Reclamation Cost 2015

\$2,286,242.39

Bond Amount (rounded to nearest \$1,000)

\$2,286,000.00

Bond Posted 2011

\$2,327,000.00

Difference Between Cost Estimate and Bond
Percent Difference

\$41,000.00
1.79%

Demolition

Crandell Canyon Mine C015/032

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
	Shop 01																				\$37,324.00
	Ventilation Fan 02																				\$11,767.00
	Rock Dust Silo 03																				\$1,950.00
	Concrete Dump Pad 04																				\$25,358.00
	Power Center 05																				\$11,869.00
	Power Poles 06																				\$2,859.00
	Underground Bathhouse 07																				\$8,124.00
	Portals 08																				\$31,200.00
	Belt/Portals 09																				\$5,200.00
	Crusher Pad 10																				\$3,490.00
	Mine Belt 11																				\$1,845.00
	Silo 13																				\$41,918.00
	Weight Shed 14																				\$426.00
	Bulk Oil 15																				\$825.00
	Truck Pad 17																				\$16,346.00
	General Storage 18																				\$3,075.00
	Reclaim Hopper Belt 19																				\$615.00
	Visual Disconnect 20																				\$14,575.00
	New Shop 21																				\$4,316.00
	Shop Extension 22																				\$1,366.00
	Shotcrete Slopes 23																				\$1,778.00
	Fan Transformer 24																				\$463.00
	Chain Link Fence 25																				\$5,340.00
	Concrete Guard 26																				\$3,495.00
	Retaining Wall 27																				\$77,965.00
	Culverts 28																				\$1,976.00
	Guard Rail 29																				\$1,620.00
	Inlets 30																				\$545.00
	Sed Pond Culvert 31																				\$2,191.00
	Gabion Retaining Wall 32																				\$773.00
	Overhead Conveyor Supports 35																				\$2,257.00
	Reclaim Tunnel 36																				\$3,965.00
	Feeder Boxes 37																				\$69.00
	Reclaim Conveyor Supports 38																				\$1,096.00
	Crusher Platform Supports 39																				\$89.00
	Feeder Conveyor Supports 40																				\$5,199.00
	Scale Pads 41																				\$2,141.00
	New Scale House 42																				\$3,772.00
	Proposed Bathhouse 43																				\$9,564.00
	Coal Silo 44																				\$62,128.00
	Conveyors 45																				\$20,295.00
	Parking Lot 46																				\$173,049.00
	Rubber liner 47																				\$66,096.00
	Culvert Bedding Removal 48																				\$81,720.00
	Off Site Dump Fee 49																				\$10,862.00
	Drainage Control 50																				\$10,347.67
	WaterTreatmentArea51																				\$162,294.67
																					\$162,294.67

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Demolition

Crandell Canyon Mine C/015/032

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
31	Demolish and remove CMP	Demolition of 18" CMP	02 41 13.40 0120	2.35 LF	LF	20	20	1.5								FT		20 LF		\$47.00	
	Excavation of CMP	Excavate 3/8 CY excavator	31 23 16.13 0050	9.10 LF	LF	20	5	4.5								BCY		16.67 BCY		\$151.67	
	Demolish and Remove Fence	Remove 5 Strand Fence	32 31 26 10 0500	10.6 LF	LF	940		5								FT		940		\$9,964.00	
	Demolish and Remove Gates	Remove and dispose of 2 gates	32 31 13.30 6600	92.5 Each	Each	20		5								Each		2		\$185.00	
	Subtotal																			\$10,347.67	
	Subtotal																				
	Subtotal																				
	Subtotal																				
	Subtotal																				
	Total																				\$10,347.67

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