

J. E. STOVER & ASSOCIATES, INC.

2352 NORTH 7th SREET, UNIT B
GRAND JUNCTION, COLORADO 81501
PHONE: (970) 245-4101, FAX 242-7908

MINE ENGINEERING
MINE RECLAMATION

CIVIL ENGINEERING
CONST. MANAGEMENT

Incoming
C0150025
3720
K

March 3, 2011

Mr. James Smith
Utah Coal Regulatory Program
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

Re: Castle Valley Mining LLC
Castle Valley Mines
Conditional Approval, Abatement of NOV#10068
Permit No. C/015/0025

Dear Mr. Smith:

Per a phone conversation with April Abate on February 17, DOGM requested additional information . On behalf of Castle Valley Mining, LLC, eight copies of the amended data are provided and detailed on DOGM form C2.

Please feel free to call me if you have any questions.

Sincerely,



J. E. Stover, P.E.
Consulting Engineer

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DIV. OF OIL, GAS & MINING

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change New Permit Renewal Exploration Bond Release Transfer

Permittee: Castle Valley Mining LLC

Mine: Castle Valley Mines

Permit Number:

C/015/0025

Title: NOV-10068 Abatement

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

Castle Valley Mining LLC purchased the mine from the bankruptcy court.

Instructions: If you answer yes to any of the first eight questions, this application may require Public Notice publication.

- Yes No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ increase decrease.
- Yes No 2. Is the application submitted as a result of a Division Order? DO# _____
- Yes No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area? _____
- Yes No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes No 6. Does the application require or include public notice publication?
- Yes No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes No 9. Is the application submitted as a result of a Violation? NOV # 10068
- Yes No 10. Is the application submitted as a result of other laws or regulations or policies? _____

Explain: _____

- Yes No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes No 13. Does the application require or include collection and reporting of any baseline information?
- Yes No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes No 15. Does the application require or include soil removal, storage or placement?
- Yes No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes No 19. Does the application require or include certified designs, maps or calculation?
- Yes No 20. Does the application require or include subsidence control or monitoring?
- Yes No 21. Have reclamation costs for bonding been provided?
- Yes No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes No 23. Does the application affect permits issued by other agencies or permits issued to other entities?
- Yes No 24. Does the application include confidential information and is it clearly marked and separated in the plan?

Please attach three (3) review copies of the application. If the mine is on or adjacent to Forest Service land please submit four (4) copies, thank you. (These numbers include a copy for the Price Field Office)

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.

Corey Heaps Vice President _____
 Print Name Position Date Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 26th day of February, 2011

Notary Public: _____, state of Utah.

My commission Expires: _____ }
 Commission Number: _____ } ss:
 Address: _____ }
 City: _____ State: _____ Zip: _____ }

For Office Use Only:

Assigned Tracking Number:

Received by Oil, Gas & Mining

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**TABLE 8-1
STRUCTURE LOCATION AND TYPE**

Structure Description	Location	Type	Dimensions			Volume
			Length	Width	Height	
Scale House 01	TS-3	Mixed	34	83	16	45152 CF
Scale House Pavement 02	TS-3	Pavement				1450 SY
Shower House 03	TS-9					
Shower House Bldg 01		Mixed	92	50	8	36800 CF
Shower House Bldg 02		Masonry	92	50	8	36800 CF
Shop 04	TS-5	Steel	40	93	14	52080 CF
Machine Shop 05	TS-5	Steel	30	45	10	13500 CF
Tipple 07	TS-5					
Tipple Bldg Primary @25%		Steel	27	10	25	6750 CF
Tipple Bldg Primary @50%		Steel	27	20	17	9180 CF
Tipple Bldg Primary @25%		Steel	27	10	8	2160 CF
Tipple Bldg Secondary		Steel	20	30	51	30600 CF
Control House		Mixed	12	20	10	2400
Substation 08	TS-17	Other ²	27			27 LF
Coal Storage Bin 09	TS-5	Other ²	163			163 LF
LumpCoal 10	TS-5	Other ²	225			225 LF
Coal Recovery Bin 11	TS-5	Concrete				
Slack Bin 12	TS-5	Other ²	8			8 LF
WHR Surge Bin 13	TS-12	Other ²	458			LF
Ditch D 8D 14	TS-3	Concrete ¹	20	4	0.5	40 CF
Lump Coal Storage Pad 15	TS-5	Concrete ¹				
Equipment Wash Pad 16	TS-5	Concrete ¹				
Transformer Pad Shop 17	TS-5	Concrete ¹				
Water Tanks 18	TS-5					
4 Tanks		Steel	14		10	6158 CF
1 Tank		Steel	10		20	1571 CF
Fuel Tanks 19	TS-5					
2 Tanks		Steel	135		10	2863 CF
1 Tank		Steel	115		23	2389 CF
3 Tanks		Steel	9		19	3626 CF
1 Tank		Steel	4		11	138 CF
1 Tank ⁸		Steel	7		7	269 CF
1 Tank ⁸		Steel	95		5	354 CF
Fuel Lines 20	TS-3/TS-5	Pipe	400			400 LF
Fans 21	TS-7/TS-15/TS-17					
Fan 01		Other ²	58			58 LF
Fan 02		Other ²	72			72 LF
Conveyor 22	TS- 5,TS-12 Thru 15					
Beltline		Steel	6230	5	5	155750 CF
Towers 39 Total		Steel	60	8	8	3840 CF
BLD Tank Seam 23	TS-11	Steel	12	12	8	1152 CF
Septic Tanks 24	TS-3/TS-5/TS-9	Concrete ¹				
Culverts 25	Various ⁴	CMP/RCP				
Watchman Trailer 26	RECLAIMED	Mixed	8	8	7	448 CF
Cap and Powder Mag 27 ³	TS- 12/TS-13	Steel	5	6	8	18 CF
Conveyor Tunnel 28	TS-13	Concrete ¹				
Plug Well 29	Within Permit ⁷	Other ⁵				4 EA
Seal Portals 30 x 18	TS-7/TS-15/TS-17	Other ⁶				18 EA
Power Lines and Poles 31	Various ⁴					
Poles x 50		Other				50 EA
Wires		Other	8700			8700 LF
Ditch Flow Meter Box 33		Concrete	8	6.2	0.67	33 CF

1. See Table 8-1A
2. Other-Structure Cutting Torch
3. 2 Structures Included
4. Located throughout Mine Site
5. Estimated cost \$5,000.00
6. Estimated cost 1 @ \$5,200.00
7. Located on top of Gantry Mountain
8. Same Tank, double lined

**TABLE 8-1A
STRUCTURE LOCATION AND TYPE: CONCRETE DEMOLITION**

Structure Description	Location	Dimensions			Volume ¹
		Length	Width	Height	
Scale House 01	TS-3				
Footings		234	2	0.67	12 CY
Foundation		234	4	0.67	23 CY
Floor		83	34	0.33	34 CY
Shower House 03	TS-9				
Foundation		284	2	0.67	14 CY
Footings		319	2	0.67	16 CY
Floor		92	50	0.33	56 CY
Boot Wash Floor		12	5.5	0.33	1 CY
Shop 04	TS-5				
Foundation		195	4	0.67	19 CY
Footings		266	2	0.67	13 CY
Floor		40	93	0.33	45 CY
Machine Shop 05	TS-5				
Foundation		135	1	0.67	3 CY
Footings		150	2	0.67	7 CY
Floor		30	45	0.33	17 CY
Tipple 07	TS-5				
Bldg 01 Footings x 11		2	2	1.5	2 CY
Bldg 02 Footings x 4		3	3	2	3 CY
Bldg 01 Slab		27	40	0.29	12 CY
Bldg 02 Slab		20	30	0.29	6 CY
Substation 08	TS-17				
Slab x 2		19	19	0.05	1 CY
Slab		30	9	0.5	5 CY
Coal Storage Bin 09	TS-5				
Wall		60	1	6	13 CY
Footings x 4		3	3	1	1 CY
Slab		30	30	0.67	22 CY
Lump Coal 10	TS-5	102	2	1	8 CY
Coal Recovery Bin 11	TS-5				
Slab		12	12	0.33	2 CY
Footings x 4		12	2.5	1	4 CY
Slack Bin 12	TS-5				
Slab		12	16	0.33	2 CY
Footings x 4		2.5	2.5	1	1 CY
WHR Surge Bin 13	TS-12				
Wall		120	6	0.67	18 CY
Footings x 4		3	3	1	1 CY
Slab		60	50	0.5	56 CY
Lumo Coal Storage Pad 15	TS-5				
Wall		118	4	1	17 CY
Slab		38	80	0.67	75 CY
Equipment Wash Pad 16	TS-5	40	25	0.5	19 CY
Transformer Pad Shop 17	TS-5	11	9	0.5	2 CY
Fans 21 @ 3 Fans	TS-7/TS-15/TS-17				
Footings x 2		7.5	2	0.67	2 CY
Slab		16	13	0.67	15 CY
Conveyor 22 ²	TS-5, TS-12 Thru 15				
Tower Footings x 39		3	3	1	52 CY
Ground Footings x 8		3	3	1	11 CY
Septic Tanks 24 ³	TS-3/TS-5/TS-9	1.5			6 CY
Culverts 25	Various				
D-8D Concrete Apron	TS-9	20	4	0.5	1 CY
C-10U ⁵	TS-3	140	5	0.33	27 CY
C-8U ⁵	TS-5	175	1.5	0.33	10 CY
Conveyor Tunnel 28 ⁶	TS-13				
Tunnel Height		470	7	0.5	122 CY
Tunnel Width		470	8	0.5	139 CY
Ditch Flow meter Box 33	TS-9				
Walls x 4		8	6.2	0.67	5 CY
Floor & Ceiling x 2		8.2	6.2	0.67	3

1. Calculation does not include swell factor
2. Each structure includes 4 footings in calculation
3. Value given in Length column is Volume (CY) and is calculated at 4 each; 1@TS-3, 1@TS-5, 2@TS-9
4. Located throughout Mine Site
5. Dimensions are given in length, diameter, thickness
6. Volume multiplied by 2 each side

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		
	Power Lines and Poles 32																					
	Structures Demolition Cost																					
	Structures Vol. Demolished																					
	Rubble's Weight (exclude steel)																					
	Truck's Capacity																					
	Haulage																					
	Transportation Cost, Non-Steel Truck																					
	Transportation Cost, Non-Steel Drive																					
	Disposal Cost Non-Steel																					
	Steel's Weight																					
	Truck's Capacity																					
	Mileage																					
	Transportation Cost Steel Truck																					
	Transportation Cost Steel Truck Drive																					
	Disposal Cost Steel																					
	Subtotal:																					
	Equipment Disposal Cost	Wire Removal	Old Means 1	11.3 (CUF)	5700											FT			87	CUF	983	
	Dismantling Cost																					
	Equipment's Vol. Demolished																					
	Loading Costs																					
	Transport Costs																					
	Disposal Costs																					
	Subtotal:																				993	
	Equipment Disposal Cost	Power Pole	Means	100	EA											80	EA		50	EA	5000	
	Dismantling Cost																					
	Equipment's Vol. Demolished																					
	Loading Costs																					
	Transport Costs																					
	Disposal Costs																					
	Subtotal:																				5000	
	Concrete Demolition																					
	Demolition Cost																					
	Concrete Volume Demolished																					
	Loading Cost																					
	Transportation Cost																					
	Disposal Cost																					
	Subtotal:																				0	
	Concrete Demolition																					
	Demolition Cost																					
	Concrete Volume Demolished																					
	Loading Cost																					
	Transportation Cost																					
	Disposal Cost																					
	Subtotal:																				0	
	Concrete Demolition - Ditch Flow Meter Box																					
	Demolition Cost	Concrete Demolition-Walls x 4		9.92 (CY)	8	6.2	0.67													1	CY	49
	Demolition Cost	Concrete Demolition-Floor & Ceiling 12		9.92 (CY)	8	6.2	0.67													1	CY	24
	Concrete Volume Demolished	Total (Walls + Floor & Ceiling)																		1.3		
	Loading Cost	Front End Loader, wheel 3CY		0.98 (CY)	31	23	16	43	1681											3	CY	3
	Transportation Cost	12 CY (16 Ton) Wheel Dump Truck		3.73 (CY)	31	23	16	43	1681											3	CY	11
	Disposal Cost																					
	Subtotal:																					88
	Total																					6071