



C/015/0025
7/1/2014
Task ID #4636

25 June 2014

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

Re: Response to Deficiencies to Chapter 2 Changes for Midterm Review, Castle Valley Mining, LLC, C/015/025 under Task ID #4594

Dear Mr. Haddock

This submittal is to address the deficiencies found by Ms. Priscilla Burton during the review of the changes in Chapter 2, Soil, as part of the midterm review of the Castle Valley Mining permit. The changes to Table 2-8 need to be clarified and how the numbers were developed. After meetings with Ms. Burton and Mr. Gary Taylor of EIS, it was determined to use the numbers found in Appendices 5I, 5J, and 5K for values in Table 2-8. The new values in Table 2-8 also changed the values in Table 2-5. Plate 2-1A was changed and the letter "D" was removed from the reclaimed areas.

The redline/strikeout tables are attached.

If you have any questions, please call me at (435) 687-5454

Sincerely,

Tony Welch
Resident Agent

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change New Permit Renewal Exploration Bond Release Transfer

Permittee: Castle Valley Mining, LLC

Mine: _____

Permit Number: ACT 015/0025

Title: Changes to Chapter 2 - Midterm Review

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

Changes to Tables 2-2, 2-5, and 2-8 in Chapter 2

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 # _____
- 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.

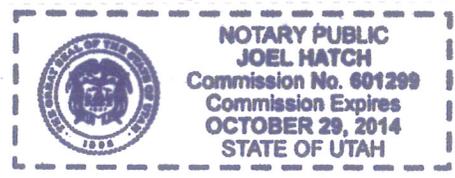
JAREN JORGENSEN ENGINEER TECH 6/25/14 JAREN JORGENSEN
 Print Name Position Date Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 25th day of June, 2014

Notary Public: Joel Hatch, state of Utah.

My commission Expires: 10-29-2014
 Commission Number: 601299 } ss:

Address: _____
 City: Henrieville State: UT Zip: 84528



For Office Use Only: 	Assigned Tracking Number:	Received by Oil, Gas & Mining
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222.300 Soil description

A description of each soil-mapping unit is contained in the reports in [Appendix 2-E](#) and [2-F](#). [Table 2-2](#) lists the Acreage of each soil unit found in the disturbed area. Following is a summary of each map unit.

Table 2-2 Soil Unit Acreages Within the Disturbed Area

Soil Symbol	Total Disturbed Acreage	Acreage with Topsoil Recovered	Est. Topsoil Depth (inches)
Disturbed	23.70	2.56¹	In place material²
DZE & D	1.83 19.46	1.83 ³ 4.75^{1&2}	6
PDR	1.91 0.00	1.91 0.00	0-6
TR	1.66 3.77	1.66 3.77	0-3
PC	0.53 0.47	0.41	12
WIN	2.45 2.21	0.52	15
WR	0.72 0.75	0.50	10
DON	0.45 0.43	0.43	40
DG	3.96 3.64	2.22 3.23	6-30
GP	1.55 2.22	0.23	6-10
DCP	0.75 0.71	0.29 0.22	6-15

1 Main Topsoil Pile, 1,480 cu yds recovered from Scalehouse Pad area.

2 See [Appendix 2-D](#): Shower House Topsoil material, 1,200 cu. yds. Recovered.

3 ~~Shower House Topsoil material, 1,200 cu yds recovered.~~

The following table summarizes the volumes of topsoil being stored.

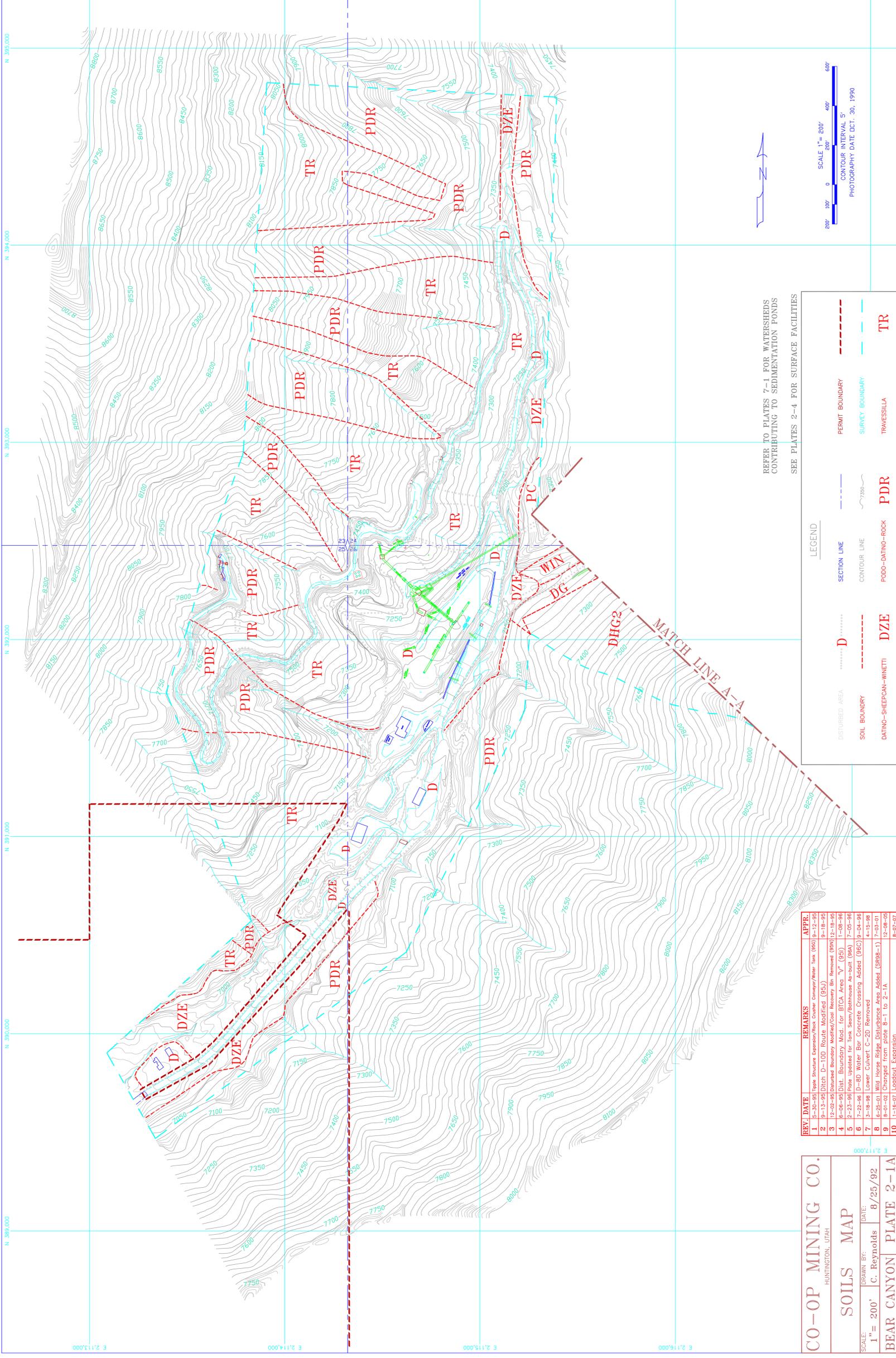
Table 2-5 Topsoil Summary Table

<u>Description</u>	<u>cu yd</u>
Main Topsoil Pile	1,480
Tank Seam Road Topsoil Storage Areas	1,000
Wild Horse Ridge Topsoil Pile	12,254
Wild Horse Ridge Tank Seam Topsoil Pile	<u>1,760</u>
Subtotal	16,494 15,494
On-site Material (Substitute Topsoil)	36,452 52,060
Total	52,586 67,554

The proposed substitute topsoil material will be re-tested in the final five years of operations according to [Table 50-1](#) and will include Total Petroleum Hydrocarbons by EPA Methods 8015 and 418.1. The location of these samples will correlate with the areas generating the most substitute topsoil material as described in [Appendix 5-I](#). Following regrading, soils remaining on the surface as substitute topsoil material will be sampled for pH, EC, and Total Hydrocarbons by EPA method 8015 for diesel fuel and 418.8 for waste oil.

Table 2-8 Substitute Topsoil Summary
Numbers Generated from Appendices 5I, 5J, and 5K

Location	Topsoil Amounts Required			Substitute Topsoil Generated from Cuts (cu. yd.)			
	Area (acres)	Depth (in.)	Volume (cu. yd.)	Topsoil Stockpile	Sub. Topsoil Generated	Sub. Topsoil Not Regraded	Total Topsoil
TS-3	1.41	12	2,275	0	2,080 858	2,563 610	4,6431,468
TS-4	.75	10	1,008	0	1,008	0	1,008
TS-5	9.41	12	15,181	0	20,814	4,537	25,351
TS-6	3.25	12	5,243	0	7,111	0	7,111
TS-7	1.81 0.52	12	2,920 839	0	4,170	0	4,170867
TS-8	.83 0	12	1,339	0	3,552	0	3,5520
TS-9	1.83	12	2,952	1,200	3,761 2,561	0	4,9613,761
TS-10	2.41						
TS-11	.59						
TS-12	.22	15	444				
TS-13	1.14	14	2,146	2,354	1,225		3,579
TS-14	.66	14	1,242	2,171			2,171
TS-15	1.58	14	2,974	4,860			4,860
TS-16	.00			124			124
TS-17	1.74	8	1,871	1,760			1,760
Total			36,452 36,175				50,796 52,060



REFER TO PLATES 7-1 FOR WATERSHEDS CONTRIBUTING TO SEDIMENTATION PONDS
SEE PLATES 2-4 FOR SURFACE FACILITIES



LEGEND	
DISTURBED AREA	D
SOIL BOUNDARY	---
DATINO-SHEEPSCAN-WINNETTI	DZE
SECTION LINE	---
CONTOUR LINE	~
POGO-DATINO-ROCK	PDR
PERMIT BOUNDARY	---
SURVEY BOUNDARY	---
TRAVESSILLA	TR

REV.	DATE	REMARKS	APPR.
1	5-30-95	Pipe Structure Expansion/Block Culvert	Comery/Water Tank (95)
2	9-13-95	Ditch D-100 Route Modified (95)	9-18-95
3	12-02-95	Disturbed Boundary Modified/Coal Recovery Bin Removed (95)	12-18-95
4	6-06-95	Dist. Boundary Mod. for BICA Area "Y" (95)	1-08-96
5	2-23-96	Plate updated for Tank Seam/Bathroom As-built (96)	7-05-96
6	7-22-96	D-80 Water Bar Concrete Crossing Added (96)	9-04-96
7	3-18-98	Lower Culvert C-2D Removed	4-15-98
8	6-25-01	Mid. Horse Ridge Disturbance Area Added (SR98-1)	7-03-01
9	6-01-02	Changed from plate 8-1 to 2-1A	12-08-05
10	1-16-07	Loadout Expansion	8-07-07

CO-OP MINING CO.
HUNTINGTON, UTAH

SOILS MAP

SCALE: 1" = 200'
DRAWN BY: C. Reynolds
DATE: 8/25/92

BEAR CANYON PLATE 2-1A

N 399,000 E 2,113,000 N 393,000 E 2,114,000 N 387,000 E 2,115,000 N 381,000 E 2,116,000 N 375,000