Canyon Fuel Company, LLC
A Subsidiary of Bowie Resource Holdings, LLC

Skyline Mine
Gregg A. Galecki, Environmental Engineer
HC35, Box 380
Helper, Utah 84526
(435) 448-2636
Fax (435) 448-2632

C/007/0005
Received 8/14/15
Task ID #4968

August 14, 2015

Mr. Daron R. Haddock
Division of Oil, Gas, and Mining
1594 West North Temple
Salt Lake City, Utah 84114-5801

RE: Rail Loadout Updates, Response to Task ID 4899, Canyon Fuel Company, LLC, Skyline Mine, C/007/0005,

Dear Daron:

Attached to this letter is pertinent information addressing modifications to the Skyline Mine M&RP to include minor improvements and maintenance items to the site. Concrete will replace asphalt west of the silos, the entrance and exit east of SR-96 will be widened, and a cement silt trap will be added to disturbed ditch DD-11 to reduce the sediment load to the sediment pond. No topsoil or subsoil needs to be relocated in these activities. The permit modification consists of: 1) referencing the addition of the silt trap in the text in Section 3.2; 2) updating Plate 3.2.1-3_REV30 illustrating the concrete additions; 3) adding text to pages 3-30a,3-44, 3-44a, 3-69, 3-71 and 4) the appropriate adjustments to the Reclamation bond to accommodate demolition and disposal of the concrete and asphalt.

Attached to this cover letter are completed C1 and C2 forms, redline-strikeout versions of M&RP modifications in Section 3.2, (1) plate; and three (3) bond pages in Section 4.3,. Two (2) hard copies of the information will be submitted at final approval.

If you have any questions regarding this information, please give me a call at (435) 448-2636.

Sincerely:

Gregg A. Galecki
Canyon Fuel Company, LLC.
Environmental Engineer – Skyline Mines

Enclosures

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

Permittee: Canyon Fuel Company, LLC
Mine: Skyline Mine **Permit Number:** C/007/005
Title: Rail Loadout Updates
Description, Include reason for application and timing required to implement:
Addition of pavement, concrete, silt trap to Rail Loadout – Response to Task ID 4899

Instructions: If you answer yes to any of the first eight (gray) 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?

Information has been submitted electronically. (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
Print Name

Corey Heaps 8-14-15
Sign Name, General Manager, Date

Subscribed and sworn to before me this 14 day of August, 20 15

Melissa S Willden
Notary Public

My commission Expires: 03-19, 20 19

Attest: State of Utah } ss:
County of Carbon

MELISSA S WILLDEN
Notary Public - State of Utah
My Commission Expires
March 19, 2019
Commission #682454

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

Form DOGM- C1 (Revised March 12, 2002)

APPLICATION FOR COAL PERMIT PROCESSING
Detailed Schedule Of Changes to the Mining And Reclamation Plan

Permittee: Canyon Fuel Company, LLC
Mine: Skyline Mine **Permit Number:** C/007/005
Title: Rail Loadout Updates - Response to Task ID 4899

Provide a detailed listing of all changes to the Mining and Reclamation Plan, which is required as a result of this proposed permit application. Individually list all maps and drawings that are added, replaced, or removed from the plan. Include changes to the table of contents, section of the plan, or other information as needed to specifically locate, identify and revise the existing Mining and Reclamation Plan. Include page, section and drawing number as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED
☐ Add	☒ Replace	☐ Remove	
☐ Add	☒ Replace	☐ Remove	
☐ Add	☒ Replace	☐ Remove	Section 3.2 Skyline Mining Operation Plan - pages 3-30a, 3-44, 3-69, 3-71
☒ Add	☐ Replace	☐ Remove	Section 3.2 Skyline Mining Operation Plan - page 3-44a
☐ Add	☒ Replace	☐ Remove	Plate 3.2.1-3_rev30
☐ Add	☐ Replace	☐ Remove	Section 4.3 Cost Estimate for Performance Bond - Total Bond Amount Page,
☐ Add	☐ Replace	☐ Remove	Section 4.3 Cost Estimate for Performance Bond - Demolition Costs Summary page, Concrete Lined Ditch 27 demolition page, Pavement Rail Loadout 34 demolition (3 total pages)
☐ Add	☐ Replace	☐ Remove	
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Any other specific or special instruction required for insertion of this proposal into the Mining and Reclamation Plan. This application is submitted electronically.	**Received by Oil, Gas & Mining**

Form DOGM - C2 (Revised March 12, 2002)

Section 3.2

Due to the severe winter conditions most of the water conveniences become iced up and are not maintained during the winter months. During the spring thaw water is directed back into the water ways as they slowly thaw out.

Coal Storage and Load out Facilities

The enclosed coal storage, open coal storage, and the rail loadout facilities are shown in plan view on Map 3.2.1-3.

Facilities within this area consist of two 15,000-ton coal storage silos, an open coal storage area, the unloading facilities for the overland pipe conveyor (discussed in subsection 3.2.3), and a rail car load-out for unit trains. A sedimentation pond has been provided for the treatment of runoff water from the disturbed areas. A diversion channel is used to intercept runoff from the undisturbed hillside and route this water around the facilities into Eccles Creek. Due to space limitations in this area, it was necessary to divert the creek from its existing channel. This diversion was accomplished in such a manner as to mitigate any damage to the surrounding environment.

With an increase in truck traffic beginning in approximately 2009, the truck loop around the storage silos accessed from SR-96 was upgraded from gravel to asphalt to help control both dust and track-out. In 2015, areas of high traffic where asphalt deteriorated quickly were replaced with concrete. In addition, while high maintenance areas were being upgraded with concrete (approximately 123 cy), the entrances were widened to address problematic safety issues involving the turning radius and view corridors for the coal trucks exiting and entering SR-96. Sediment control for all disturbed areas within the Rail Loadout site report to the sediment pond via sheet-flow or ditches, with the exception of Alternate Sediment Control Areas (ASCAs) and Small Area Exemptions (SAEs) identified on Plate 3.2.1-3 and discussed in Section 3.2.12. The areas accessing SR-96 are considered Small Area Exemptions (SAEs) because they are part of the permit area not reporting to the sediment pond. Areas 18-22a were enlarged in 2015 (see Section 3.2.12 pages 3-69 through 3-71). Existing culverts in Areas 21 and 22 conveying SR-96 runoff were extended to accommodate the increased area of ditch covered with the expansion.

material used to construct the dam. The dam was constructed in lifts of heights which ensured maximum compaction. A spillway pipe was added during the construction of the dam. After the dam was completed, a principal emergency spillway was constructed. The pond is shown in plan view and in cross section on (Map 3.2.1-4). The pond requires only limited maintenance, i.e., sediment removal to an approved disposal site when 60% of the design sediment storage volume is exceeded. ~~The pond was enlarged in 1993 to facilitate a small (.04 acres) area being added to the drainage area. Not in hard copy nor incorporated.~~To help minimize sediment deposition into the pond, a concrete-lined sediment trap was constructed on ditch DD-11 which can be cleaned regularly with a front-end loader (see page 3-44a for design)

3.2.7 Signs and Markers

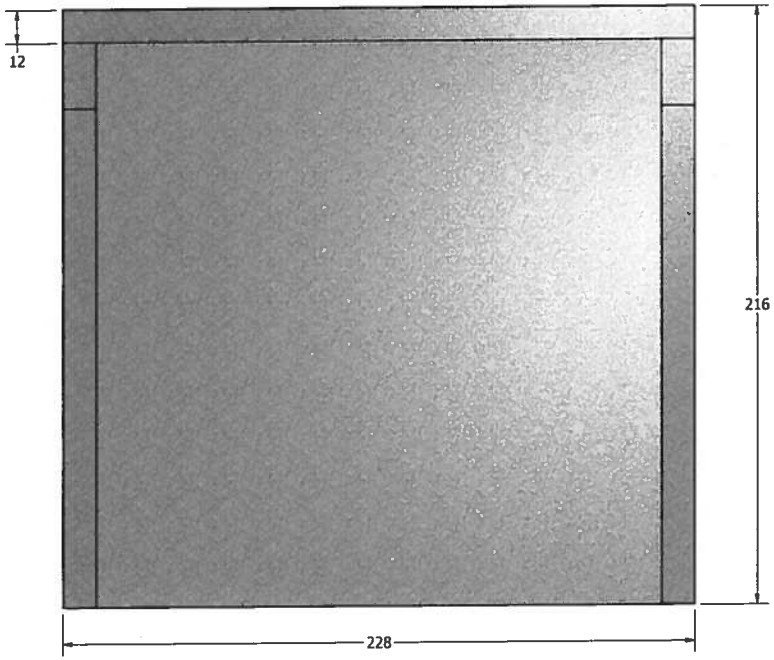
The Permittee has posted all signs and markers required by State of Utah and Federal requirements. Signs are constructed of durable material and are uniformly designed for high visibility and readability. All signs and markers will be maintained during operations to which they pertain and will conform to local ordinances and codes.

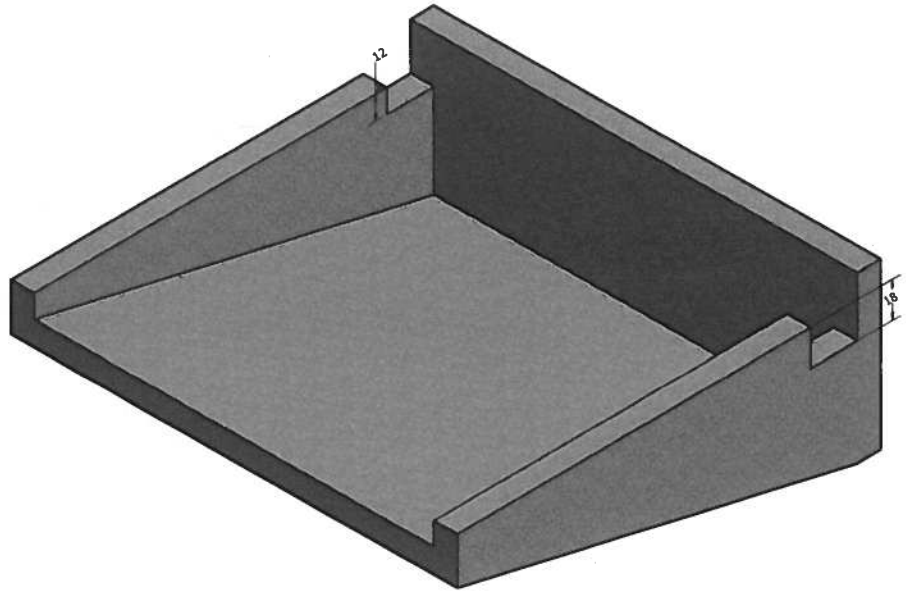
Mine and Permit Identification Signs

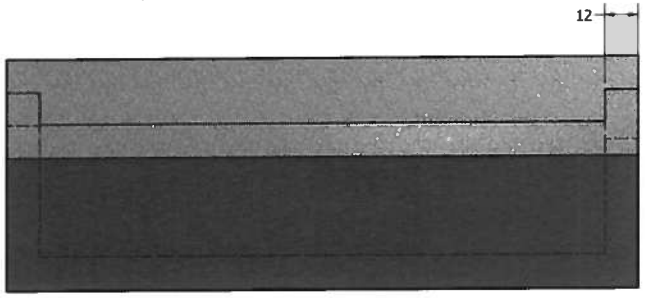
The Permittee has posted identification signs at the points of access to the permit area from public roads and highways. The signs state the name, business address and telephone number of the Permittee, the identification numbers of current mining and reclamation permits and other authorizations to operate in a color that will provide significant contrast to the color of the sign board and can easily be seen and read. The identification signs will be maintained in place until after release of all bonds.

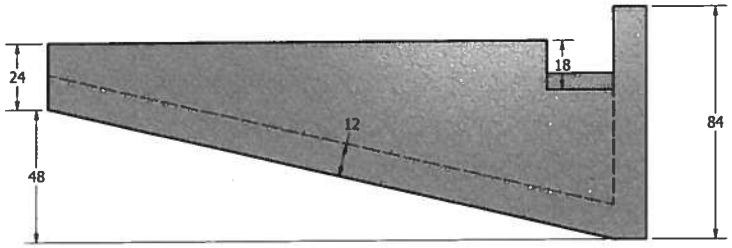
Perimeter Markers

The perimeter of the areas affected by surface operations or mining facilities has been posted with easily identifiable markers with blue steel fence posts.









PROFESSIONAL ENGINEER
MMB 5/22/15
No. 8186171-2202
MASON DALE BISHOP
STATE OF UTAH

DRAWN TEarl	5/22/15	Skyline Mine
CHECKED MBishop		TITLE
QA		Rail Load Out Sediment Trap
MFG		
APPROVED		SIZE C / DWG NO Page 3-44a / REV 0
		SCALE / SHEET 1 OF 1

seeded and mulched, and, where needed, additional straw bales and/or silt fences, erosion mats installed to treat any runoff. Part of the area also has a collection ditch below the straw bales. Where needed, this ditch has a series of straw bales across the drainage at 15-20 feet intervals. Much of the ditch has become well grassed-in and is almost indistinguishable from the adjacent undisturbed areas and does not need any additional silt control devices as the runoff has already been treated with strawbales and/or silt fences.

Area 16. This area is south of the truck dump and is shown on Map No. 3.2.1-3. This area contains .61 acres and is the fill slope of the access road. The slope has been reseeded and basically has a well established cover of vegetation. The disturbance around the overland conveyor towers have been seeded and mulched, and have additional straw bales and/or silt fences, erosion mats, where needed, to treat any surface runoff. (See Area 10a)

Area 17. This area is south of the RLO sediment pond and is shown on Map No. 3.2.l-3. This area contains .35 acres and has been classified as an "Alternative Sediment Control Area." Much of the area has been paved. There are straw bales and/or silt fences and three small straw dikes to treat any runoff water. One of these straw dikes is on the UDOT rights-of-way of SR-96. This treatment location has been approved by UDOT (refer to UDOT letter dated 7/18/89 from L. Archie Hamilton, District Four Pre/construction Engineer, Page 3-70).

Area17a. This area is adjacent to RRLO sediment ponds and is shown on Map 3.2.1-3. This area contains .15 acres and has been classified as an "Exempt Area" since it is the outslope of the sediment pond embankment.

Areas 18. This area is adjacent to the Railroad Loadout structure and is shown on Map No. 3.2.l-3. This area contains .1 acres and has been classified as an exempt area as the entire area is paved with concrete.

Area 19. This area is adjacent to the Railroad loadout structure and is shown on Map No. 3.2.1-3. This area contains .1 acres and has been classified as a Small Area Exception (SAE) as the entire area is paved with asphalt.

Areas 20, 21, 22 AND 22a. These areas are the highway approaches from SR-96 to the Railroad Loadout area itself (two approaches), and the area south of the loadout structure. These areas are shown on Map 3.2.l-3. ~~These~~ Areas 21 and 22 also encompass areas~~s~~ 18 and 19. Areas 21/19 and 22/22a/18 contain approximately 0.1 acres and 0.20 acres, respectively and have been classified as "Special Exempt Areas." ~~These road~~ Road approach 21/19, and 22a are paved with asphalt while 22/18 ~~es~~ are paved with concrete to handle loaded trucks. Area 20 also contains a small straw dike to treat water from the area that is not paved and additional treatment for water leaving the paved area. All of these areas are part of the permitted area and will be reclaimed during final reclamation; however, these areas fall within the rights-of-way of SR-96 (refer to UDOT letter dated 7-18-89 from L. Archie Hamilton, District Four Pre/Construction Engineer, found in this section). The Permittee has no control over the activities of UDOT or the public who utilize these approaches; therefore, the Permittee is not responsible for the activities (other than his own) which occur on these approaches. In 2015 Areas 21 and 22 increased in size to accommodate increased truck traffic; both to accommodate the turning radius of larger trucks and to have a better field of view leaving the site.

Area 23. This area is the South Fork Breakout Area and is shown on Map No. 3.2.11-1. This area contains .96 acres (see Areas 32 and 33 which are classified as exempt areas). The South Fork Breakout Area was reclaimed in 2003 and the access trail was completely reclaimed in 2005 and is considered a Small Area Exemption. All existing silt fencing was removed, with the exception of temporary silt fencing that was used during reclamation construction. Extreme surface roughening or >deep gouging= was used as the form of sediment control until vegetation is established. Figure 3.2.11-1 will be modified to reflect these changes once the area is flown to establish the reclamation topography.

Area 24. The access road to the Scofield Waste Rock Disposal Site is shown on Map No. 3.2.8-1. It contains 3.45 acres and is classified as a "Primary Access Road".

Area 24a. A small area of .1 acre was disturbed adjacent to the Scofield Waste Rock access road. This area has been reseeded and is becoming well re-vegetated. Any runoff water leaving this area enters the roadside drainage. A Sed-Cad model program has been done for this area which demonstrated that alternate sedimented control measurers are not needed. This area is therefore classified as an exempt area. (See Vol. 5 Sec. 21 and 21 (a))

Area 25. This area goes from overland conveyor bent 155 to bent 154a, shown on Map 3.2.3-3a. This area is permitted but has no disturbance within it. The overland conveyor does span across this area.

~~Revised: 8-14-15~~ ~~3-71~~

Section 4.3

Skyline Mine TC/007/005
2015 RLO Updates
Task # 4899

Total Required Bond Amount
2014 Dollars

Revised August 14, 2015

Bonding Calculations

Direct Costs

Subtotal Demolition and Removal	$2,140,504	
Subtotal Backfilling and Grading	$1,597,728	
Subtotal Revegetation	$425,908	
Direct Costs Subtotal	$4,164,139.76	

Indirect Costs

Mob/Demob	$416,414	10.0%
Contingency	$208,207	5.0%
Engineering Redesign	$104,103	2.5%
Main Office Expense	$283,162	6.8%
Project Management Fee	$104,103	2.5%
Subtotal Indirect Costs	$1,115,989	26.8%

Total Cost 2014	**$5,280,129**	

Escalation factor		5
Number of years		0.019
Escalation	$521,039	
Reclamation Cost Escalated	$5,801,168	

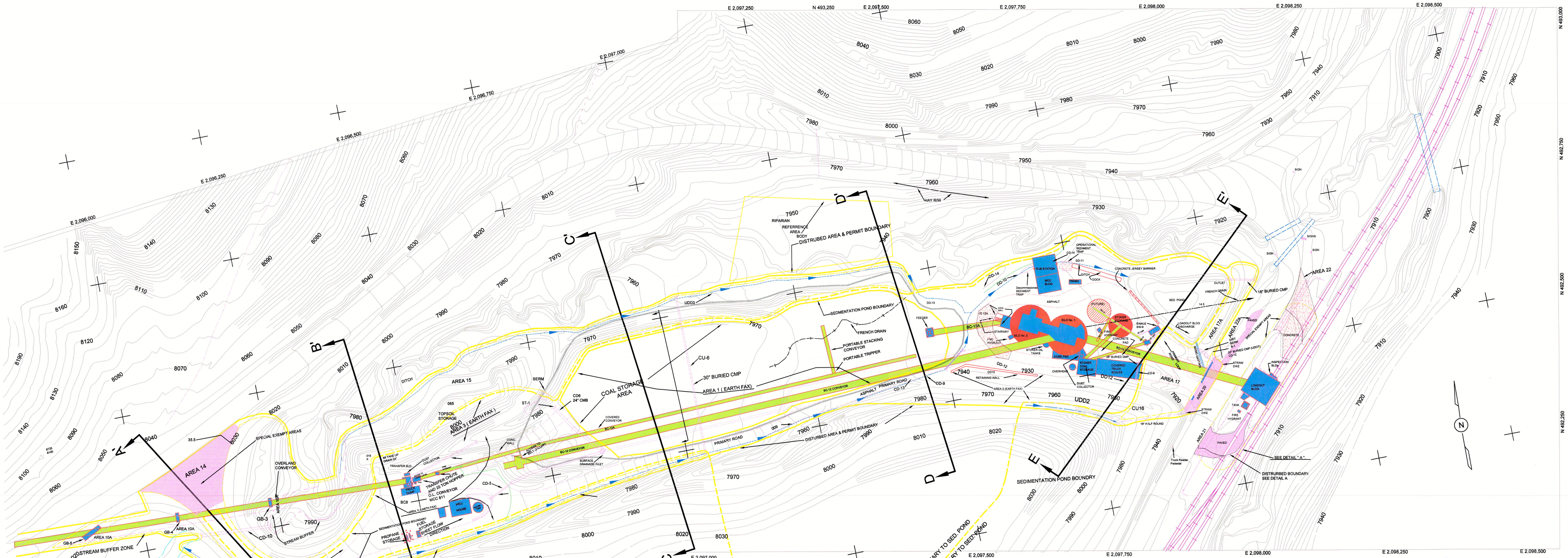
Reclamation Bond Amount (rounded to nearest $1,000) 2019 Dollars	**$5,801,000**

Posted Bond March 18, 2015	$5,799,000
Difference Between Cost Estimate and Bond	-$2,000
Percent Difference	0%

Ref.		Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Shop Warehouse 01																			394012
	Administration Bld 02																			27154
	Mine No 1 Transfer Tower 03																			44110
	BC 2 Drive House 04																			9422
	BC 3 Drive House 05																			40300
	Crusher Raw Coal 06																			29295
	Truck Loadout 07																			7090
	Railcar Loadout 08																			23377
	Conveyors 8 total 09																			99678
	Water Tanks Two 10																			6318
	Pump House 11																			1126
	Well House Three 12																			4756
	Water Treatment Bld 13																			17830
	Misc Storage Bld 14																			3598
	Overland Conveyor 15																			95092
	Guard Rail 16																			18195
	Rock Dust Bld 17																			5743
	Overland Dust Collector 18																			1296
	Substation 19																			1797
	Power Line 20																			528
	Cap Magazine 21																			34
	Fuel Storage 22																			2634
	Propane Tanks 23																			470
	Stacking Tube 24																			4900
	Reclaim Tunnel 25																			40535
	Slope Proctection Apron 26																			15574
	Concrete Lined Ditch 27																			890
	Raw Coal Silo 28																			14063
	Parking Area Middle 29																			2178
	Truck Loadout Foundation 30																			206
	Road Pad Lower 31																			3372
	Silo Rail Loadout 32																			124659
	Loadout Foundation RR 33																			5124
	Pavement Rail Loadout 34																			82049
	Steel 35																			11075
	James Canyon 36																			126205
	Culvert Backfilling 37																			8667
	Channel Construction 38																			520548
	Equipment 39																			265747
	Portal Face Door 40																			6297
	Concrete Building 41																			1750
	Winter's Quarters Ventilation																			72809
	Total																			2140504

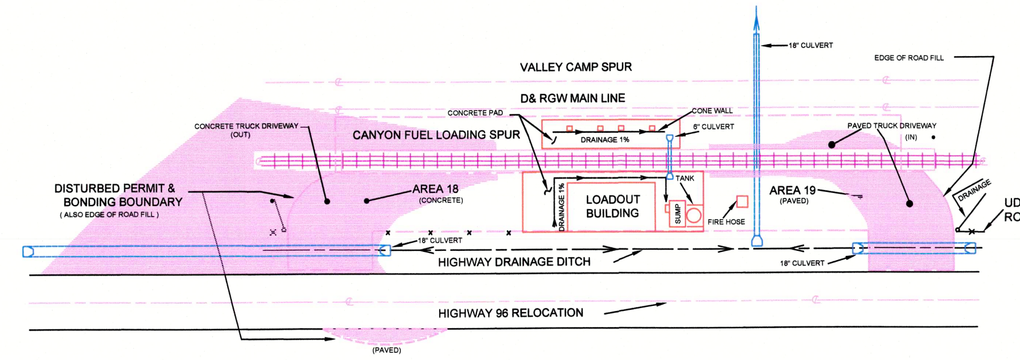
Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Concrete Lined Ditch 27																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	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																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Silt Trap at Rail Loadout																			
	Equipment 's Disposal Cost																			
	Dismantling Cost	Concrete Demo <=15-inches thick	Local cost	13.75	/CY	17	17	5			17							17	CY	234
	Equipment 's Vol. Demolished																			
	Loading Costs	Front end Loader 3 CY	31 23 16 42 1300	1.67	/CY						17							17	CY	28
	Transport Costs	12 CY (16 Ton) Dump Truck 6 mi. rnd. trip	31 23 23 20 1014	2.95	/CY						17							17	CY	50
	Disposal Costs	On site disposal	02 41 16 17 4200	8.65	/CY						17							17	CY	147
	Subtotal																			459
	Concrete Demolition																			
	Demolition Cost	Slab on grade 4"thick with reinforced	02 41 16.17 0240	3.43	SF													21	SF	72
	Concrete's Vol. Demolished																1.3	27	CY	
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.67	/CY													27	CY	45
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. tri	31 23 23 20 1014	2.95	/CY													27	CY	80
	Disposal Costs	On site disposal	02 41 16 17 4200	8.65	/CY													27	CY	234
	Subtotal																			431
	Total																			890

Ref.			Means Reference Number	Unit Cost	Unit	Length		Height	Diameter	Area	Volume	Weight	Density	Time	Number		Swell Factor		Unit	Cost
	Pavement Rail Loadout 34																			
	Structure's Demolition Cost																			
	Structure's 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																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	West of Silos - on turn	Concrete road west of silos																		
	Concrete Demolition	Pavement Removal 8"																		
	Structure's Demolition Cost	Concrete Demo <=15-inches thick	Local cost	13.75	/CY	150	33.5	0.66			123					YD		123	CY	1691
	Concrete's Vol. Demolished																			
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.67	/CY						123					YD		123	CY	205
	Transportation Cost	12 CY (16 Ton) Dump Truck 6 mi. rnd. trip	31 23 23 20 1014	2.95	/CY						123					YD		123	CY	363
	Disposal Costs	On site disposal	02 41 16 17 4200	8.65	/CY						123					YD		123	CY	1064
	Subtotal																			3323
	Concrete Demolition	Pavement Removal 3"																		
	Demolition Cost	Concrete Demo <=15-inches thick	Local cost	13.75	/CY					4727	4					CY		5	CY	60
	Concrete's Vol. Demolished	0	0	0				0.66								YD	1.3	7	CY	
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.67	/CY													7	CY	12
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 20 1014	2.95	/CY													7	CY	21
	Disposal Costs	On site disposal	02 41 16 17 4200	8.65	/CY													7	CY	61
	Subtotal																			163
	Concrete Demolition	Pavement Removal 3"																		
	Demolition Cost	Disposal at approved facility																		
	Concrete's Vol. Demolished																			
	Loading Cost	Front end loader 3CY		4.81	CY													142	CY	685
	Transportation Cost																			
	Disposal Costs			40	TON						15371		0.61			Ton		87	Ton	3045
	Subtotal																			3730
	Paving From W entracne to Silos	Pavement Removal - 5" entire length	02 41 13 1705050	9.4	SY						4592					SY		4592	SY	43165
	Asphalt Demolition																			
	Concrete's Vol. Demolished																			
	Loading Cost	Front end loader 3CY	31 23 16 42 1300	1.67	CY													241	CY	402
	Transportation Cost																			
	Disposal Costs	Disposal at approved facility		40	TON							579	1.35			ton		781.65	Tons	31266
	Subtotal																			74833
	Total																			82049



RAIL LOADOUT SITE

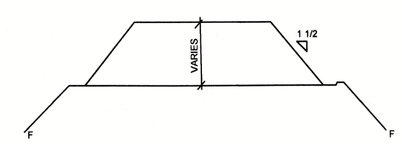
SCALE 1"=50' CONTOUR INTERVAL 2', 10'



DETAIL "A"

NO SCALE

STRAWBALE AND/OR SILT FENCE —S S S S S
MSHA BERM
GOB DISPOSAL AREA



LEDGEND

DISTURBED AREA BOUNDARY: (AREA WITHIN WHICH RECLAMATION MUST TAKE PLACE)

ALTERNATIVE SEDIMENT CONTROL AREA: (SEDIMENT CONTROLED WITH STRAW BALES OR OTHER TECHNEQUES)

DRAINAGE DITCH OR PATH:

FRENCH DRAIN:

AREA TRIBUTARY TO SEDIMENTATION POND:

SPECIAL EXEMPT AREAS:

BEGINING OR END OF DITCH — DITCH SLOPE CHANGE

NOTES

(1.) SEE DRAWINGS 4..4.2-1C AND 4.4.2-1D FOR THE RECLAMATION PLAN AND CROSS SECTIONS.

(2.) THE DISTURBED AREA ON THIS MAP IS 13.82 ACRES.

(3.) AREAS THAT WERE USED IN THE SEPT. 1984 EARTH FAX ENGINEERING STUDY WHICH DEFINES THE REQUIRED SEDIMENTATION POND VOLUME AND RETENTION TIME ARE SHOWN ABOVE WITH ARROWS DEFINING THE AREA. BOUNDRIES.

(4.) NUMEROUS DEVICES SUCH AS PAVEMENT, TEMPORARY DRAINAGE AND GRADING CONTROLS, WHICH ARE NOT SHOWN ON THIS DRAWING ARE USED AS NECESSARY TO DIRECT RUNOFF TO THE PERMANENT DIVERSION FACILITIES SHOWN ABOVE.

NO.	DATE	REVISION	DRWN	APPR
1	9-25-89	MINOR CHANGES TO LEGEND AND SPEC. EXEMPT AREAS		
2	9-30-89	EARHTFAX STUDIE AREAS ADDED		
3	11-19-89	NOTE ADDED: TEMP DRAINAGE REMOVED		
4	11-27-89	MINOR CHANGES TO NOTES AND DITCHES		
5	4-11-90	MINOR CHANGES TO AREA 20		WWS
6	1-30-90	ADDED TEMP TRUCK REPAIR BLDG & STORAGE AREA		WWS
7	7-29-91	UPDATED SURFACE FACILITIES		WWS
8	9-24-91	UPDATED SURFACE FACILITIES		WWS
9	10-11-91	ADD OPEN COAL STORAGE AREA		WWS
10	12-5-91	ADDED OVERLAND CONVEYOR		WWS
11	4-14-92	UPDATE SURFACE FACILITIES		WWS
12	4-22-92	CHANGE PERMIT BOUNDARY		WWS
13	6-10-92	ADDED OVERLAND CONVEYOR INFO AND UPDATED BC-13A INFO		WWS
14	7-7-92	CHANGE CD-8 & DD9 ELIMINATED CD-7 & CD-8		WWS
15	9-3-92	ADDED NEW CONTOURS, B12A, DD-8, CONCRETE CHANNEL, SEDIMENT TRAP, COAL STORAGE		WWS
16	9-15-92	BNDRY OF GOB DISPOSAL AREA ADDED		WWS
17	9-25-92	ADDED RIPARIAN REFERENCE AREA		WWS
18	4-23-93	ADDED PERMIT AREA, DD-13, 13A, 14, ENLARGED SEDIMENT POND		WWS
19	8-2-93	ADD CD-13, DIRT BERM, CHANGED COAL BNDRY		WWS
20	9-28-93	ADDED CD-14		CW
21	10-21-93	ADDED CD-5 EXTENSION AND SEDIMENT TRAP -1		
22	2-8-94	ADD BC-17 CONVEYOR		
23	12-1-94	ADD PRIMARY ROAD LOCATION	JTP	
24	7-17-96	ADD CONCRETE PAD AND DD-15	RJB	
25	12-9-97	EXTENDED DD-12	JTP	
26	8-3-09	ADDED ASPHALT AROUND SILOS	CWW	
27	6-28-10	ADDED ASPHALT AND CONCRETE TO RAILROAD ENTRANCE AND SR96	CWW	
28	10-10-13	REMOVED NON-FUNCTIONING SILT FENCE BY LOADOUT BUILDING	CWW	
29	10-20-14	Improved road from upper pad to silo / added asphalt from west entrance to silos	CWW	
30	6-14-15	Added asphalt at entrances, replaced asphalt with concrete at silo, added silt trap, widened RLO exit	MCB	

		DATE
DESIGNED BY	K. ZOBEEL , W. SHRIVER	7-89
DRAWN BY	A. GUYMON	7-89
CHECKED BY	TCH 7-89	
APPROVED BY	KLU 7-89	
APPROVED BY		
APPROVED BY		

PROFESSIONAL ENGINEER No. 8186171-2202 MASON DALE BISHOP STATE OF UTAH 8/15/15

FILE NO. P:\PERMITS\ACT.MRP Approved drawings\3.3.1-3.DWG

LOADOUT FACILITIES

DRAINAGE AND PERMIT BOUNDARY MAP

Canyon Fuel Company, LLC
Skyline Mines

DATE: 07-19-89 DR.BY:G. TAYLOR
SCALE: 1" = 50' DR.BY:L. PORTER

REVISION: 20
8/14/15

DWG. NO.: 3.3.1-3