C/007/005 Incoming. ✓

#5456

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

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JUL 13 2017
DIV. OF OIL, GAS & MINING

July 10, 2017

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

RE: Minor Mine site modification – Generator Building, Canyon Fuel Company, LLC, Skyline Mine, C/007/0005, Task ID: 5456

Dear Daron:

Attached to this letter is information necessary to add an enclosed steel building to hold two (2) portable emergency generators. The building would be a basic 40 x 60 x 16 foot steel enclosure including a cement floor with 2-foot high foundation walls. The building will be located immediately east of the existing substation within the existing disturbed area. Included in the application are an updated Surface Facilities map (Plate 3.2.1-1_Rev16_5-17-17) showing the location of the new structure, and modified bond sheets to accommodate demolition/removal of the building. The direct costs of demolition of the building are calculated to total $14,226, with indirect costs calculated at $3814. The reclamation costs to demolish and remove the building are calculated to increase the demolition costs by a total of $18,040. There is adequate funding in the current bond to cover this modification.

Attached to this cover letter are completed C1 and C2 forms. In addition, a total of two (2) clean copies of the modifications referenced in the C2 form.

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

Sincerely:

Gregg A. Galecki

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

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: Bond modification, Generator Building

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

Addition of a Generator Building; Task ID: 5456

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 submitted as clean copies. Two (2) copies of each page is included. (This number includes 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

Cory Heaps, GM, 7-10-17
Sign Name, Position, Date

Subscribed and sworn to before me this 10th day of July, 2017

Kathleen Atwood
Notary Public

My commission Expires: 12-02, 2019

Attest: State of Utah } ss:
County of Carbon

KATHLEEN ATWOOD
NOTARY PUBLIC-STATE OF UTAH
COMMISSION# 686430
COMM. EXP. 12-02-2019

For Office Use Only:	Assigned Tracking Number:	Received by Oil, Gas & Mining
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Form DOGM- C1 (Revised 3/22/2010)

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: Bond modification – Generator Building; Task ID: 5456

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	Chapter 4, Section 4.3, Bond Total page, Demolition Total Page, Shop Warehouse 01 page (3 total sheets)
☐ Add	☒ Replace	☐ Remove	Chapter 3, Plate 3.2.1-1rev. 16
☐ 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.

Two (2) clean hard copies are provided for final approval.

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Bonding Calculations

Direct Costs

Subtotal Demolition and Removal	$2,113,956	
Subtotal Backfilling and Grading	$1,343,339	
Subtotal Revegetation	$313,143	
Direct Costs Subtotal	$3,770,438	

Indirect Costs

Mob/Demob	$377,044	10.0%
Contingency	$188,522	5.0%
Engineering Redesign	$94,261	2.5%
Main Office Expense	$256,390	6.8%
Project Management Fee	$94,261	2.5%
Subtotal Indirect Costs	$1,010,478	26.8%

Total Cost 2014	**$4,780,916**	
Escalation factor		*5*
Number of years		*0.019*
Escalation	*$479,715*	
Reclamation Cost Escalated	$5,260,631	
Reclamation Bond Amount (rounded to nearest $1,000) 2019 Dollars	**$5,261,000**	
Posted Bond March 18, 2015	$5,799,000	
Difference Between Cost Estimate and Bond	$538,000	
Percent Difference	9.28%	

Errors in permittee's total sheet: indirect should be updated, escalation should be held constant at $479,715, TOTAL rec bond amount in 2019 $5,455,000

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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 Warehouse 01																			299852
	Administration Bld 02																			27154
	Mine No 1 Transfer Tower 03																			44106
	BC 2 Drive House 04																			9422
	BC 3 Drive House 05																			42220
	Crusher Raw Coal 06																			20778
	Truck Loadout 07																			4807
	Railcar Loadout 08																			23377
	Conveyors 8 total 09																			114289
	Water Tanks Two 10																			2252
	Pump House 11																			1601
	Well House Three 12																			4756
	Water Treatment Bld 13																			17830
	Misc Storage Bld 14																			8386
	Overland Conveyor 15																			95092
	Guard Rail 16																			18269
	Rock Dust Bld 17																			7075
	Overland Dust Collector 18																			1525
	Substation 19																			2609
	Power Line 20																			528
	Cap Magazine 21																			38
	Fuel Storage 22																			1347
	Propane Tanks 23																			1820
	Stacking Tube 24																			7346
	Reclaim Tunnel 25																			60762
	Slope Proctection Apron 26																			23345
	Concrete Lined Ditch 27																			1175
	Raw Coal Silo 28																			21081
	Parking Area Middle 29																			3262
	Truck Loadout Foundation 30																			310
	Road Pad Lower 31																			5054
	Silo Rail Loadout 32																			186868
	Loadout Foundation RR 33																			7683
	Pavement Rail Loadout 34																			48718
	Steel 35																			11075
	James Canyon 36																			126205
	Culvert Backfilling 37																			9041
	Channel Construction 38																			520548
	Equipment 39																			237900
	Portal Face Door 40																			6295
	Concrete Building 41																			2274
	Winter's Quarters Ventilation 42																			54782
	North of Graben Bleeder Shaft 43																			17181
	Swens Canyon Ventilation Facility 44																			13917
	Total																			2,113,956

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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 Warehouse 01																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF													1969000	CF	177210
	Structure's Vol. Demolished																0.3	21878	CY	
	Structure's Demolition Cost																			
	Truck's Capacity																			
	Structure's Demolition Cost	Steel Bld. Large - Covered Yard Storage	02 41 16 13 0020	0.27	/CF	50	23	15										17250	CF	6055
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4.33	/CY													21878	CY	94732
	Steel's Weight																			
	Structure's Demolition Cost	Steel Bld. Large - Generator Building	02 41 16 13 0020	0.27	/CF	60	40	16										38400	CF	10368
	Disposal Cost Steel	City Services	City Service Price	4.33	/CY												0.3	427	CY	1849
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			290214
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Nielson Concrete <15"	Nielson Quote	13.75	CY													311	CY	4276
	Concrete's Vol. Demolished																1.3	404	CY	
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.67	/CY													404	CY	675
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 ml. md. tri	31 23 23 20 1014	2.95	/CY													404	CY	1192
	Disposal Costs	On site disposal	02 41 16 17 4200	8.65	/CY													404	CY	3495
	Subtotal																			9638
	Total																			**299852**

Note: Volume is in CY

10-18-2016: Added 56 cu-yd concrete and All-Steel demolition for Covered Warehouse storage
5-17-17: Added 65 cu-yd concrete and All-Steel demolition for Generator Building

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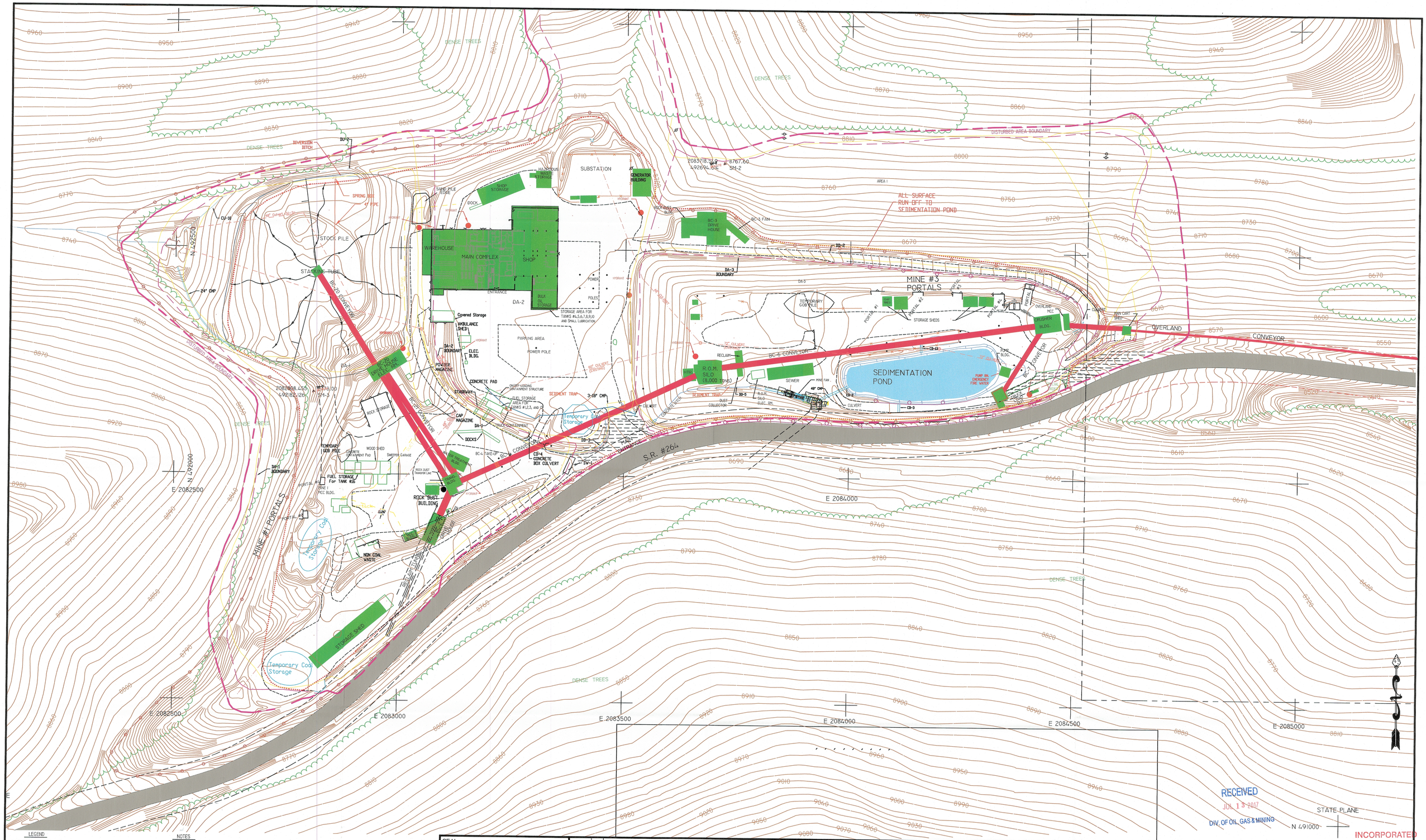

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LEGEND

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

AREA TRIBUTARY TO SEDIMENTATION POND:

SMALL AREA EXEMPTION:

ALTERNATIVE SEDIMENT CONTROL AREAS: (SEDIMENT CONTROLLED WITH STRAWBALES OR OTHER TECHNIQUES)

BEGINNING OR END OF DITCH:

DITCH SLOPE CHANGE:

NOTES

1. THE ALTERNATIVE SEDIMENT CONTROL AREAS WILL BE DISTURBED DURING PHASE 2 RECLAMATION.
2. THE DISTURBED AREAS ARE DESCRIPTIVE, AN ON THE GROUND SURVEY MADE IN 1985 DEFINES THE DISTURBED AREA AS 31.1 ACRES
3. SEE DRAWING 4.4.2-1A AND 4.4.2-1B FOR THE RECLAMATION PLAN AND CROSS SECTIONS.
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.

I CERTIFY THAT THE INFORMATION CONTAINED HEREON IS CORRECT TO THE BEST OF MY KNOWLEDGE.

SEAL:

REGISTERED PROFESSIONAL ENGINEER
No. 8781250-2202
CRAIG WILLIAM BROWN
7/11/2017
STATE OF UTAH

DATE	No.	REVISIONS	MADE BY	CHK'D BY
6/9/99	1	ADDED SEDIMENT TRAPS, SPRING BOX AND PIPE	GT / CWB	
4/27/01	2	ADDED FAN, DELETED FAN AND BUILDINGS	GT / CWB	AJP
7/19/01	3	ADDED SEDIMENT TRAP TO UPPER YARD AT ENTRANCE TO MINE	GT / CWB	AJP
1/30/06	4	ADDED MISSING TITLES TO BUILDINGS		
7/13/06	5	ADDED TEMPORARY COAL STORAGE	GAG / CWB	GAG
9/12/08	6	ADDED BC-3 FAN	ABB / CWB	
3/18/09	7	ADDED OFF-LOADING CONTAINMENT STRUCTURES, REMOVED FUEL ISLAND	ABB / CWB	
6/30/09	8	ADDED ROCK DUST TRANSFER LINE	ABB / CWB	
3/9/10	9	ADDED AMBULANCE SHED	ABB / CWB	
10/16/10	10	ADDED ASPHALT AT TRUCK LOADOUT	GAG / CWB	

DATE	No.	REVISIONS	MADE BY	CHK'D BY
10/27/14	11	ADDED CU-2a 48"CULVERT	GAG / CWB	
04/22/15	12	ADDED 2 NEW SURFACE SHEDS	GAG / CWB	
09/16/15	13	ADDED SWEEPER GARAGE	GAG / SLB	
8-1-16	14	ADDED Fuel Bay Catwalk;BC-4Take-up slab. REMOVED 30Kgal. propane tank	GAG / GAG	
10/18/16	15	ADDED Warehouse covered yard storage	CWB / GAG	
5-17-17	16	ADDED Generator Building		

MINE SURFACE FACILITIES

PLOT PLAN

JUL 14 2017

Div. of Oil, Gas & Mining

Canyon Fuel Company, LLC
Skyline Mines

P.O. BOX 380 HELPER, UTAH 84526
435-448-6463

CAD FILE: P:\PERMITS\SKY\...\3.2.1-1_...
DWG. NO.: 3.2.1-1_REV16

DATE: 6-30-06
SCALE: 1" = 100'
CK.BY: CWB/GAG
DR.BY: GAG

REVISION: 16
5-17-17