

October 24, 2016

Permit Supervisor, Utah Coal Regulatory Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

RECEIVED
OCT 28 2016
DIV. OF OIL, GAS & MINING

Re: Amendment to MRP to Bond and Revise An Appendix to Include a Catwalk and Shed to Protect Pipes, Task ID# 5301, Sufco Mine, Canyon Fuel Company, LLC, Permit Number C/041/0002

Dear Sirs:

Please find enclosed with this letter clean copies of an amendment to the Sufco Mine Permit to address modifications to the permit to do the following:

In 2016 Sufco Mine plans to modify the Office Building by added a catwalk to the roof to provide secure footing and handholds to personnel doing maintenance to equipment on the roof. A drawing has been attached of the proposed addition.

A shed adjacent to existing 3,000 gallon water tank is to be constructed to protect existing pipes from frost and freezing. The pipes around which the shed will be built are currently within a depression on the water tank pad, the topsoil/subsoil have been removed previously from the area during the construction of the water tank pad. A drawing has been included showing the dimensions of the proposed shed.

If you have questions or need addition information please contact Vicky Miller at (435)286-4481.

CANYON FUEL COMPANY, SUFCO Mine



John Byars
General Manager

Encl.

cc: DOGM Correspondence File

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change New Permit Renewal Exploration Bond Release Transfer

Permittee: Canyon Fuel Company, LLC

Mine: Sufco Mine

Permit Number: C/041/0002

Title: Clean Copies of Bond and Appendix Revision to Include Catwalk and Frost Shed to Protect Pipes, Task ID#5301

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

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?

Please attach one (1) review copy 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.

John D. Byers
Print Name

John D. Byers Gen. Mgr. 10-24-16
Sign Name, Position, Date

Subscribed and sworn to before me this 24 day of October, 2016

Jacquelyn Nebeker
Notary Public



My commission Expires: _____, 20____ }
Attest: State of _____ } ss:
County of _____

<p>For Office Use Only:</p>	<p>Assigned Tracking Number:</p>	<p>Received by Oil, Gas & Mining</p> <p style="text-align: center; color: blue; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="text-align: center; color: red; font-weight: bold;">OCT 28 2016</p> <p style="text-align: center; color: blue; font-weight: bold;">DIV. OF OIL, GAS & MINING</p>
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CHAPTER 5
ENGINEERING

APPENDIX 5-9
Reclamation Bond Estimate

Direct Costs

Subtotal Demolition and Removal	\$1,735,166	
Subtotal Backfilling and Grading	\$1,261,248	
Subtotal Revegetation	\$164,246	
Direct Costs	\$3,160,660	<i>2014 Dollars</i>

Indirect Costs

Mob/Demob	\$316,066	10.0%
Contingency	\$158,033	5.0%
Engineering Redesign	\$79,016	2.5%
Main Office Expense	\$214,925	6.8%
Project Management Fee	\$79,016	2.5%
Subtotal Indirect Costs	\$847,056	26.8%

Total Cost	\$4,007,715.76	<i>2014 Dollars</i>
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<i>Escalation factor for 2014</i>	<i>0.019</i>
<i>Number of years to next midterm</i>	<i>5</i>
<i>Escalation Amount</i>	<i>\$354,219.00</i>
<i>Reclamation Cost Escalated</i>	<i>\$ 4,361,935 2019 Dollars</i>

Bond Amount (rounded to nearest \$1,000) 2019	\$4,362,000.00
Dollars	

Posted Bond 8/10/15	\$4,362,000.00
Difference Between Cost Estimate and Bond	\$0.00
Percent Difference	0.00%

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Qty	Description	Material	Unit	Length	Width	Height	Frequency	Area	Volume	Weight	Density	Line	Number	Unit	Quantity	Unit	Cost 2013 Dollars
Main Facilities																	
2	Ambulance Garage																\$3,483.00
3	Annex Building																\$32,483.00
4	Blast Channels A																\$152,004.00
5	Blast Channels B																\$56,770.00
6	Bulk and Used Oil Storage																\$3,372.00
7	Cap Magazine																\$790.00
8	Chlorinator Bld																\$785.00
9	Diesel Tank - 16,900 Gal																\$2,938.00
10	Drainage Culverts																\$31,195.00
11	Electrical Bld																\$1,176.00
12	Fan																\$7,063.00
13	Fire Water Tank 300,000 Gal																\$15,841.00
14	Fuel Deck																\$1,429.00
15	Guard House																\$535.00
16	Loadout Belt																\$4,209.00
17	Lower Stacker Coal Storage																\$3,498.00
18	Lump Coal Belt																\$1,545.00
19	Lump Coal Storage																\$2,332.00
20	Mine 1 Pad																\$18,588.00
21	No 1 Belt																\$4,760.00
22	Office Building																\$113,323.00
23	Pavement Removal																\$183,257.00
24	Powder Magazine																\$790.00
25	Pump Houses																\$1,906.00
26	Riprap Filter Fabric																\$358,602.00
27	Rock Dust Bin																\$4,852.00
28	ROM Coal Storage																\$1,457.00
29	ROM MCC Bld																\$115,388.00
30	Sampler Building																\$1,851.00
31	Sand and Salt Storage																\$3,167.00
32	Seal Portals																\$69,600.00
33	Sediment Trap																\$2,358.00
34	Septic Tanks																\$12,234.00
35	Shelves																\$5,686.00
36	Shop and Warehouse																\$109,669.00
37	Shop Garage																\$16,117.00
38	Shop Office																\$3,166.00
39	Side Release Tank																\$1,857.00
40	Steam Cleaner Building																\$10,744.00
41	Stoker Belt																\$2,009.00
42	Stoker Bin																\$11,600.00
43	Stoker Coal Storage																\$3,411.00
44	Stoker Oil Tanks																\$4,866.00
45	Storage Trailers																\$2,142.00
46	Substation Lower*																\$75,387.00
47	Ticket Printers																\$862.00
48	Tipple Building																\$77,804.00
49	Tipple MCC Building																\$5,652.00
50	Tipple Office Building																\$4,371.00
51	Trash Pit																\$822.00
52	Transfer Building																\$14,034.00
53	Truck Loader Bin																\$3,037.00
54	Truck Scale																\$49,354.00
55	Water Tank Lower																\$1,050.00
56	Water Tank Upper																\$1,050.00
57	West Lease Tunnels																\$45,811.00
58	Yard Hoist																\$1,630.00
Link Canyon Facilities																	
60	Link Canyon Portals																\$366.00
61	Link Canyon Substation																\$24,055.00
Fourth East Facilities																	
63	Fan Generator Building																\$4,007.00
64	Four East Fan																\$22,819.00
Mitigation																	
66	Northwater Mitigation																\$18,217.00
Total																	\$1,735,166.00

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Ref	Description	Material	Machine Description (Code)	Unit Price	Unit	Length	Width	Height	Volume	Weight	Quantity	Rate	Quantity	Unit	Price
	Pump Houses														
	Structure's Demolition Cost	Steel Bid Large	02-41-16-13-0020	0.27 /CF					3000.65				3001 CF		910
	Structure's Vol. Demolished												11 CY		
	Truck's Capacity								12				1 Trips		
	Haulage														
	Transportation Cost Steel Truck														
	Transportation Cost Steel Truck Drive														
	Transportation Cost Truck/Driver	Nielson Construction - 10 w/1 DT - 12 CY	Truck & Driver *14	760 /Day											760
	Subtotal														1516
	Equipment's Disposal Cost														
	Dismantling Cost														
	Equipment's Vol. Demolished														
	Loading Costs														
	Transport Costs														
	Disposal Costs														
	Subtotal														
	Concrete Demolition														
	Demolition Cost	Foundations 415"	Nielson *14	1375 /CY					11						151
	Concrete's Vol. Demolished														
	Laying Cost	Front end loader 3 CY	31-23-16-42-1300	1.67 /CY											23
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. ind. trip	31-23-25-20-1014	2.95 /CY											41
	Disposal Costs	On site disposal	02-41-16-17-4200	8.65 /CY											121
	Subtotal														336
	Total														1906

Assumptions
 Building with no internal walls
 Added pump shed 10/11/16

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October 11, 2016

APPENDIX 5-11

OFFICE BUILDING CATWALK AND PIPE PROTECTION SHED

In 2016 Sufco Mine plans to modify the Office Building by added a catwalk to the roof to provide secure footing and handholds to personnel doing maintenance to equipment on the roof. A drawing has been attached of the proposed addition.

A shed adjacent to existing 3,000 gallon water tank is to be constructed to protect existing pipes from frost and freezing. The pipes around which the shed will be built are currently within a depression on the water tank pad, the topsoil/subsoil have been removed previously from the area during the construction of the water tank pad. A drawing has been included showing the dimensions of the proposed shed.

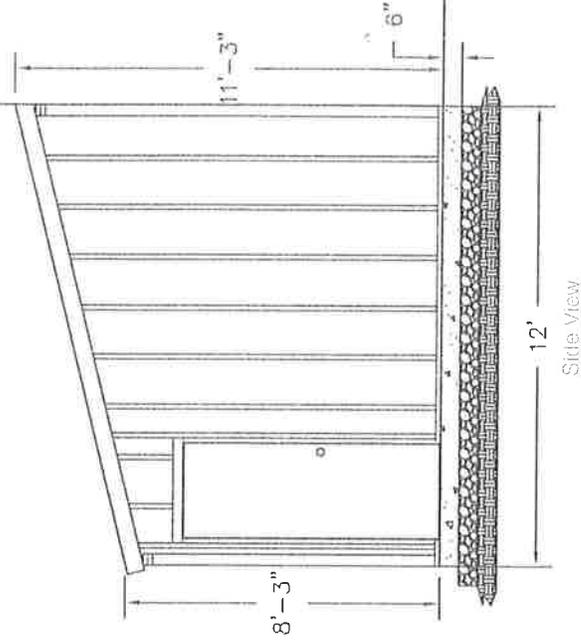
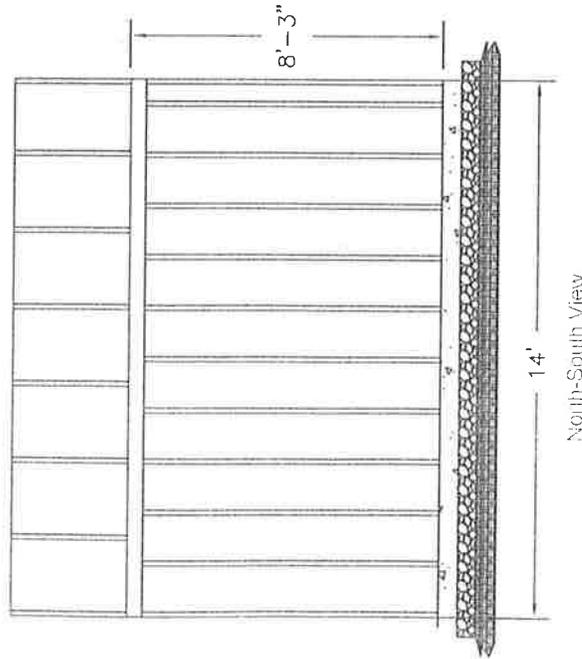
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300k gallon storage tank

300-gallon storage tank



- 111 ft² E-W Walls
- 176ft² Top
- 110 ft² N Wall
- Flashing 4@ 5 ft² = 20 ft²
- Door 17ft²

Total 434 ft² (.0015 ft thick) = 0.65 ft³ Steel

Concrete = 4 yds³ Concrete W/Rebar

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Canyon Fuel Company, LLC

SUFCO Mine

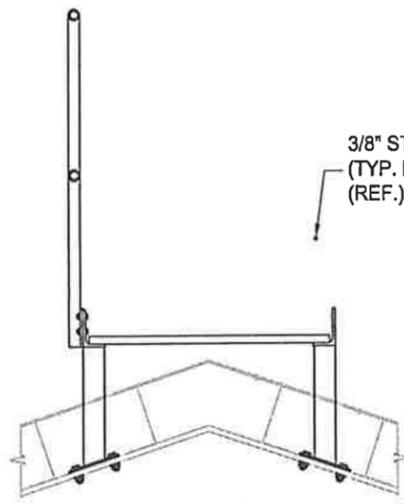
**Pipe Frost Protection Shed
300k Gallon Tank**

DATE: October, 2016 SCALE: 1:5

397 SOUTH 800 WEST
SALINA, UTAH 84654

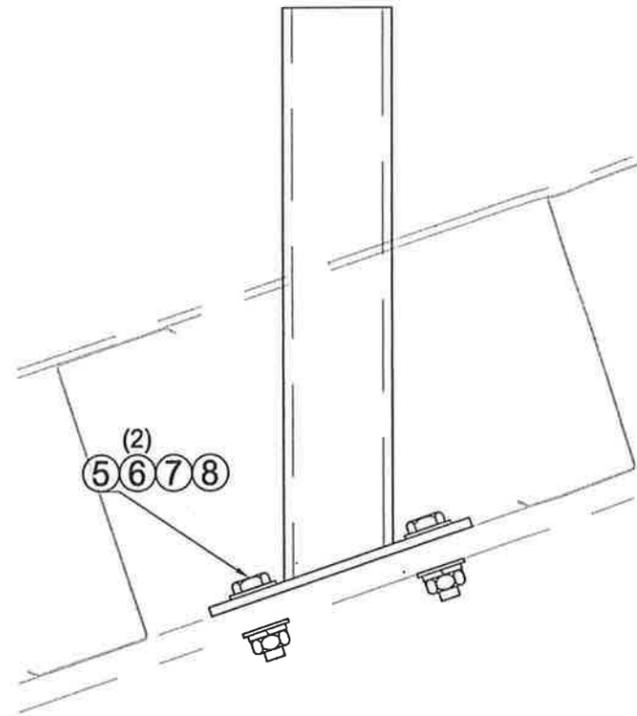
DRAWN BY: CLM

FILENAME: ###



SUPPORT LEG DETAIL
Scale: 1/2" = 1'-0"

3/8" STEEL CABLE
(TYP. HORIZONTAL LIFE LINE)
(REF.)



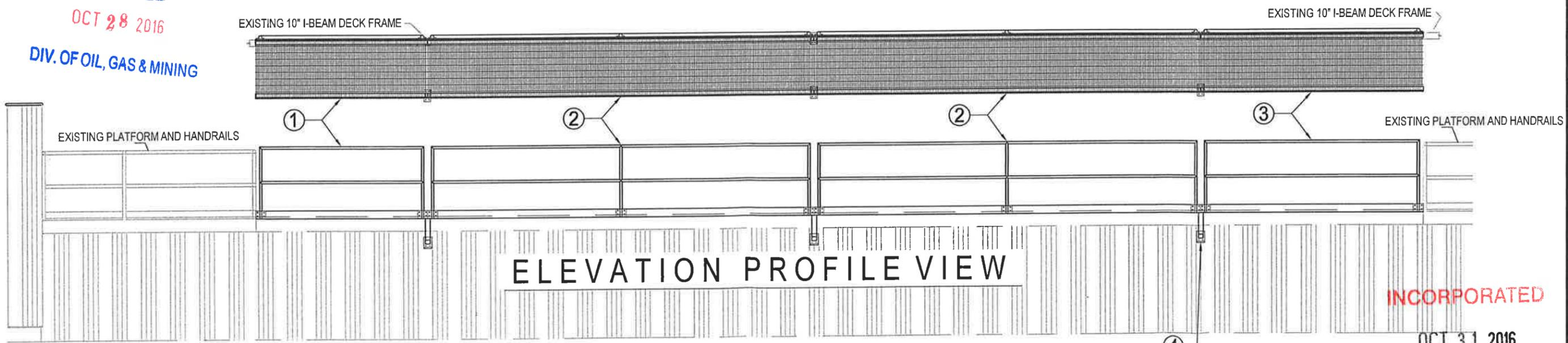
SUPPORT LEG INSTALL DETAIL
Scale: 1" = 5'

ASSEMBLY NOTES:
 1- Install support legs from below to ensure proper placement on existing structural steel.
 2- Seal all support leg roof penetrations with rubber gasket and silicone before deck installation.
 3- Install 5"x 3"x 3/8" angle across support legs with 1/4" weld on all sides of support leg.
 4- Install 1" bar grating between angle, welded every 12" with 3/16" weld.
 5- Install handrail after all of decking is completely installed.

Bill of Material				
Item	Qty.	Mat'l	Description	tot. wgt.
1	1	STL	Catwalk Section (see dwg CAT3)	257.8 lbs
2	2	STL	Catwalk Section (see dwg CAT4)	1132.2 lbs
3	1	STL	Catwalk Section (see dwg CAT5)	329.3 lbs
4	4	STL	Support Leg (see dwg CAT2)	63.5 lbs
5	16	STL	Hx Hd Bolt 5/8"-11 X 3" length	-
6	36	STL	Flat Washer 5/8"	-
7	16	STL	Lock Washer 5/8"	-
8	16	STL	Nut 5/8"- 11	-
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
Approximate Cubic Feet of Steel				3.64 ft ³
Approximate Total Weight				1782.8 lbs

NOTES:
 1- Break or deburr all sharp edges.
 2- Paint to prevent rust and/or corrosion.
 3- All welds to be 1/2" unless otherwise specified.

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ELEVATION PROFILE VIEW

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10/6/2016 9:21 AM

Canyon Fuel Company, LLC
SUFCO Mine
 597 South SR 24 - Salina, UT 84654
 (435) 286-4880 Phone
 (435) 286-4499 Fax

SUFCO Mine Building Rooftop Catwalk

Assembly

SCALE: 3/16" = 1'-0" DATE: 10/6/2016 DRAWN BY: J.C.S. ENGINEER: J.C.S. CHECKED BY: J.G.C.
 FILE NAME: P:\SeiterJ\Catwalk\Catwalk Final Design.dwg PROJ: CATWALK

REVISIONS				
NO.	DATE	REQ. BY	DWG. BY	REMARKS

SHEET NO.
CAT1