

July 5, 2019

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

C/041/0002  
Received 7/8/19  
Task #5974

**Re: Phase 3,4 Construction Amendment: Additional Information, Canyon Fuel Company, LLC, Sufco Mine, Sufco Waste Rock Site, Permit Number C/041/0002**

Dear Sirs,

During the construction of phase 3 and 4 of the Sufco Waste Rock Site composite samples were taken of the salvaged top soil in each phase. Attached is lab data associated with the composite samples as required by the division. Please add this information to Appendix V(A).

Thank you for reviewing this amendment. If you have questions or need additional information, please contact Bryant Bunnell at (435) 286-4490.

Regards,



Bryant Bunnell  
Environmental Engineer

Canyon Fuel Company, LLC  
SUFSCO Mine  
P: (435) 286 – 4490  
E: [bbunnell@wolverinefuels.com](mailto:bbunnell@wolverinefuels.com)

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, WRS

**Permit Number:** C/041/0002

**Title:** WRS As-Built: Amendment: Additional Information

**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.

Jacob Smith  
Print Name

[Signature] Engineering Manager, 7/5/19  
Sign Name, Position, Date

Subscribed and sworn to before me this 5th day of July, 2019

Jill White  
Notary Public  
My commission Expires: 3/28, 2020  
Attest: State of Utah } ss:  
County of Sullivan



<b>For Office Use Only:</b>	<b>Assigned Tracking Number:</b>	<b>Received by Oil, Gas &amp; Mining</b>



Appendix V(A)  
Soil Survey Reports

Phase 3, 4 Construction  
Top Soil Composite Sample Lab Data



**Soil Analysis Report**  
**Canyon Fuel Company, LLC.**

397 South 800 West  
Salina, UT 84654

Report ID: S1906351001

Project: WRS Sampling

Date Received: 6/20/2019

Date Reported: 6/28/2019

Work Order: S1906351

Lab ID	Sample ID	pH	Saturation	Electrical	Organic	Calcium	Magnesium	Potassium	Sodium	SAR	
		s.u.	%	Conductivity	Matter	CaCO3	PE	PE	PE		PE
				dS/m	%	%	meq/L	meq/L	meq/L	meq/L	
S1906351-001	Phase 3 Comp	7.7	38.4	4.75	2.6	6.0	7.57	2.37	0.53	44.9	20.2
S1906351-002	Phase 4 Comp	7.8	39.8	4.42	2.5	6.9	6.97	2.24	0.50	43.0	20.0

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neutral. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage, TOC=Total Organic Carbon

Reviewed by: Karen A Secor  
Karen Secor, Soil Lab Supervisor



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**Canyon Fuel Company, LLC.**

397 South 800 West  
Salina, UT 84654

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Project: WRS Sampling

Date Reported: 6/28/2019

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Lab ID	Sample ID	Sand %	Silt %	Clay %	Texture	Very Fine		Available	
						Sand %	Phosphorus ppm	Nitrate(as N) ppm	Potassium meq/100g
S1906351-001	Phase 3 Comp	52.0	31.0	17.0	Sandy Loam	21.4	14	25.4	0.79
S1906351-002	Phase 4 Comp	47.0	34.0	19.0	Loam	19.7	13	32.0	0.77

These results apply only to the samples tested.

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Reviewed by: Karen A Secor  
Karen Secor, Soil Lab Supervisor