

June 27, 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/015/0009
Received 7/8/19
Task #5973

Re: Fossil Rock Waste Rock Site As-built Information Amendment, Fossil Rock Mine, Canyon Fuel Company, LLC, Permit Number C/015/0009

Dear Sirs:

Cessation of operations was declared at the Fossil Rock Waste Rock Site fall of 2018. This amendment includes an as-built map and other required information regarding soil salvage. A small amount of subsoil was salvaged during the remaining process. This small pile was pocked and gouged and berms were assured to be in place as required. Seeding and stabilization of this small addition will begin summer 2019 and be completed fall 2019 as specified in Chapter 2 of the MRP.

The pagination, redline/strikeout text, and the table of contents will be updated when changes to the MRP are approved and clean copies are sent to the Division.

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

Regards,



Bryant Bunnell
Environmental Engineer
CANYON FUEL COMPANY, Fossil Rock Mine

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: Fossil Rock Mine, WRS

Permit Number: C/015/0009

Title: WRS As-Built Information Amendment

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.

Jim Abshire
Print Name

Jim Abshire Engineering Manager, 6/27/19
Sign Name, Position, Date

Subscribed and sworn to before me this 27th day of June, 2019

Jill White
Notary Public

My commission Expires: 3/28, 2020;

Attest: State of Utah ; ss: County of Sevier



JILL WHITE
Notary Public
State of Utah
My Commission Expires 03/28/2020
COMMISSION NUMBER 687959

<p>For Office Use Only:</p>	<p>Assigned Tracking Number:</p>	<p>Received by Oil, Gas & Mining</p>
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CHAPTER 2 - Soils

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Appendix A Soils Report

Appendix B Prime Farmland Statement

Appendix C 2001 Soil Sampling Analysis Results and Location Map

Appendix D As-Built Information

Within six months of the completion of the mining of the pile an as-built drawing and salvaged soil quantities will be incorporated into the permit. Section R645-301-526 has a description of the planned process for re-mining the waste rock pile.

Re-mining 2016-2018

Re-mining operations at the WRS officially concluded fall of 2018 for an indefinite period of time. A notice of temporary cessation for the Fossil Rock Minesite and Waste Rock Site was sent to the Division October of 2018. As indicated in this permit an as-built drawing and salvaged soil quantities will be submitted to the Division ~~within 6 months~~. With the permission and oversight from Division personnel all salvaged soil was considered as subsoil. A soils specialist from the Division visited the site in May of 2017 and approved this action. The salvaged subsoil was placed on the existing subsoil pile on the east side of the site (See Appendix D). **Approximately 680 cubic yards of subsoil was salvaged and was pocked and gouged during the fall of 2018. Due to weathering and erosion since the waste rock was covered, the amount salvaged was significantly less than what was estimated prior to re-mining.** Soil pile protection methods and interim reclamation will commence **summer of 2019** and **will be completed in the fall of 2018** per specifications given in Section 341.200 of this permit. ~~An overview and detailed report of this action will be included in the required as-built information.~~

R645-301-234 Topsoil Storage

Construction of the Waste Rock Storage Facility commenced as soon as the permit was issued. Sediment control measures were put in place to minimize the effects of the initial construction. Straw bales and silt fences were erected in the natural drainages to treat any runoff during the initial construction period. Interim revegetation was used on the bare slopes of the soil stockpiles and along the roadway to stabilize and prevent erosion. The topsoil stockpiles have been marked as such. Drainage structures have been constructed and will be maintained to ensure that they are in good repair and capable of handling the design flow rates. Silt fences have been constructed at the base of the soil stockpiles outside slopes. These silt fences will also be monitored and repaired as needed to ensure they are in good working order.

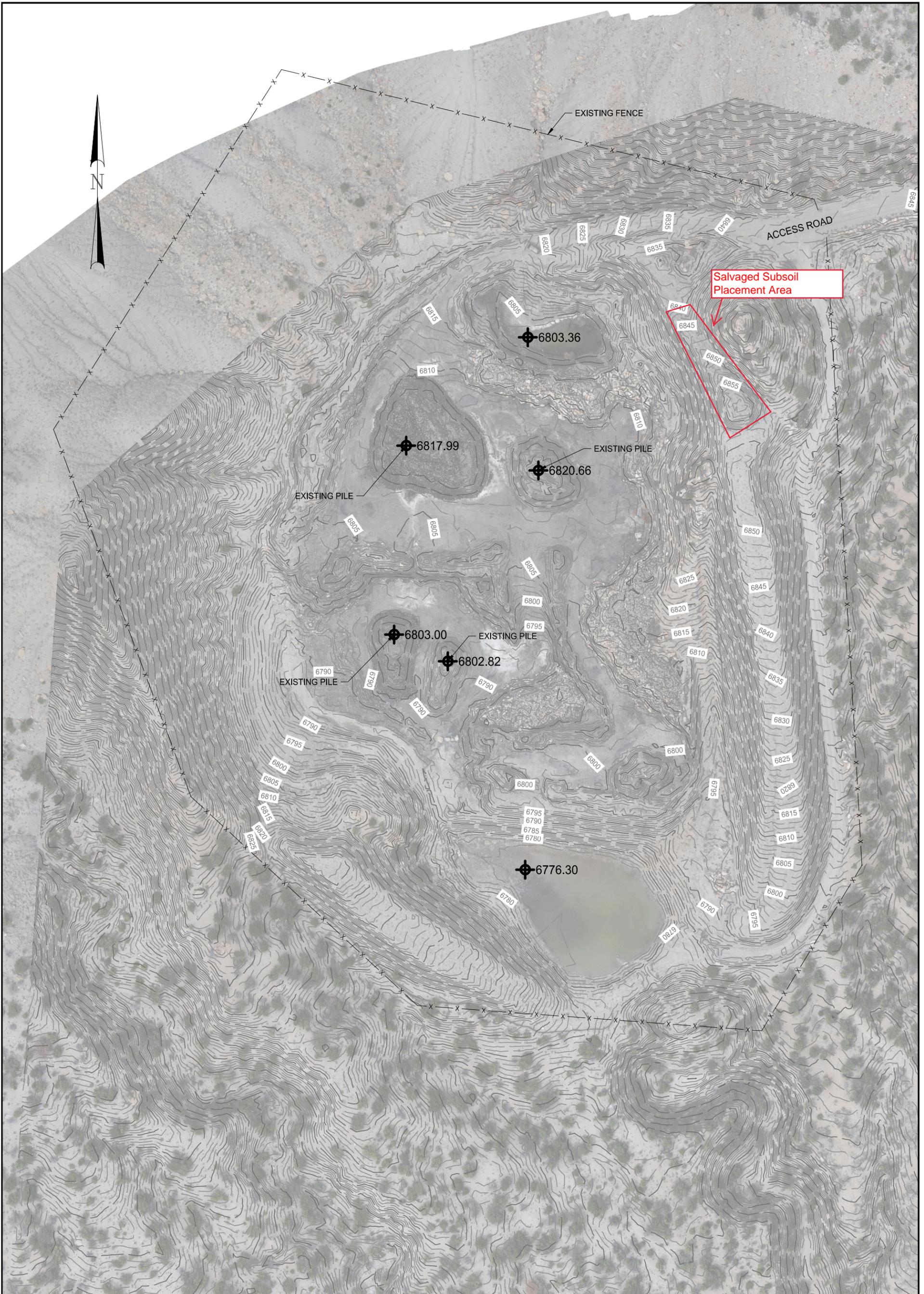
R645-301-240 Reclamation Plan

Construction of the refuse pile will incorporate a plan to allow contemporaneous reclamation of the outside slopes of the pile. Refuse material will be used to construct a berm, approximately 10 feet high, to contain the waste material to be deposited.

Prior to contemporaneously reclaiming the slopes, quality sampling shall be conducted as outlined in R645-536 Coal Mine Wastes. Prior to covering the top surface of the waste pile, quality sampling shall be conducted as outlined in R645-541 Reclamation Plan. These sampling procedures shall be conducted to identify any acid-forming and/or toxic-forming materials within the top four (4) feet of the proposed reclaimed surface. The top four (4) feet consists of 1 foot of waste material and 3 feet of soil cover.

Appendix D

As-Built Information



SHEET NO. 01	EMERY COUNTY		 Jones & DeMille Engineering, Inc. CIVIL ENGINEERING - SURVEYING - TESTING GIS - ENVIRONMENTAL 1.800.748.5275 www.jonesanddemille.com																											
	FOSSIL ROCK WASTE ROCK SITE																													
	AS BUILT		APPROVAL RECOMM.	DESIGN:	CHECK:	REVIEW																								
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