

February 7, 2020

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

Re: Permit Revision Associated with Refuse Sampling, Refuse Pile, Canyon Fuel Company, LLC, Dugout Canyon Mine, C/007/039

Dear Sirs:

Please find enclosed with this letter an amendment to update information associated with the sampling frequency at the Dugout refuse pile.

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

CANYON FUEL COMPANY
Dugout Canyon Mine



Robert Marshall
Technical Services Manager

Encl.

cc: DOGM Correspondence File

RECEIVED

FEB 13 2020

DIV OF OIL, GAS & MINING

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change New Permit Renewal Exploration Bond Release Transfer

Permittee: Canyon Fuel Company, LLC

Mine: Dugout Canyon Mine

Permit Number: C/007/039

Title: Revision to M&RP – Refuse Sampling

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.

R. Jay Marshall
Print Name

R. Jay Marshall Engineering Manager 2/7/20
Sign Name, Position, Date

Subscribed and sworn to before me this 7th day of February, 20 20

Teresa L Guymon
Notary Public



My commission Expires: _____
 Attest: State of Utah _____ } ss:
 County of Carbon

For Office Use Only:	Assigned Tracking Number:	Received by Oil, Gas & Mining RECEIVED FEB 13 2020 DIV OF OIL, GAS & MINING
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CHAPTER 5
ENGINEERING

Waste rock loads containing non-cemented, soft shale, clay, or fine-grained materials shall be mixed with coarser graded loads in a controlled manner to limit concentrations of fine materials within the fill. This will be especially true for sediment pond wastes from either the mine site or refuse area sediment pond.

All lifts will be emplaced in a controlled manner to ensure the mass stability of the refuse pile and prevent mass movement during and after construction. Additionally, the lifts shall be graded to promote drainage off the pile surface. No intentional impoundments will be created by the placement of the refuse materials.

As the limits of the site area are reached laterally, the outer slope shall conform to the slope indicated in RA Plate 5-1.

Maintenance. Coal mine and underground development waste may have high moisture content. Controlled placement and compaction of the refuse materials will minimize the potential for spontaneous combustion or ignition of these materials. In the unlikely event that any burning waste is found during the regular inspections of the refuse pile area, it will be separated and extinguished either by burying the burning materials or by using water sprays. Once extinguished, the material will be placed, compacted, and buried on the active refuse pile bench.

Testing. Due to the anticipated coarse, open graded nature of the refuse materials, most quality control work for the fill will have to be on a visual basis. Conventional in-place density tests will not give reliable results under these circumstances.

Based on analyses of the materials that have been encountered in the Dugout Canyon Mine and other CFC mines to date, no acid-forming problems are anticipated. When the site is receiving materials, a representative sample will be collected of the material at a rate of one sample per 2,000 cubic yards of material through the fourth quarter of 2005, and one sample per 5,000 cubic yards of material **thru 2019**, thereafter **one sample per month**. These samples will be analyzed for the parameters listed in Table 6 of the Division's topsoil and overburden guidelines (Leatherwood and Duce, 1988). ~~Analyses reports of the sampled waste rock will be submitted with the annual report.~~

Should a problem be identified, a mitigation plan will be prepared and submitted to the Division for approval. All identified potential acid or toxic-forming materials will be buried after the material handling plan is approved by the Division.

Historically (pre 2019), copies of the toxicity/acid-base results from the samples collected at the Dugout Canyon Mine are **were** presented in RA Attachment 5-4 and Appendix 5-7 of the approved M&RP. **Analyses reports of the sampled waste rock will be submitted with the annual report.**

537 Regraded Slopes

537.100 Division Approval

No mining or reclamation activities will be conducted in the refuse pile permit area that require approval of the Division for alternative specifications or for steep cut slope.

537.200 Regrading of Settled and Revegetated Fills