State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

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UTAH DNR OIL, GAS & MINING

Quarterly Inspection Form - Refuse Disposal Areas

(please provide to DOGM promptly after inspection is complete)

Permit Number :	C/007/005	Inspection Date :	March 7, 2018
Mine Name :	Skyline Mine	Quarter / Year :	Q01/Y2018
Mine Operator (Permittee) :	Canyon Fuel Company, LLC	Inspector Name :	G. Galecki / Craig Brown
MSHA ID # :	42-01566; Pile 1211-UT-09-01566	Inspector Signature :	

Facility Name / Location / Address : 7 miles SW of Scofield, Utah. HC35 Box 380, Helper, Utah 84526

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes):
No obvious instability or structural weakness was observed during the 1st Quarter 2018 inspection.
No signs of slumping or heating were observed. No instrumentation is used at the site.

2. Lift Height / Thickness Avg 2-ft Maximum _____ # ____ Elevation of Active Benches : _____ , _____ , _____

3. Vertical Angle of Outslope(s) / Location(s) where measured 1 1/2h:1v / _____ / _____ / _____

4. Total storage capacity: 334,125 tons (cu Remaining storage capacity ~89,000 tons. H Volume placed during year : 0 tons

5. Describe foundation preparation (including removal of vegetation, stumps, topsoil, and all other organic material) :
The Refuse Pile is currently disturbed, and material placement is occuring in previously disturbed areas.
Subsoil that was collected from a DOGM reclamation project is stored in the lower topsoil/subsoil storage area.

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed) :
No refuse material was placed at the site during the quarter.
Once a sufficient amount of waste rock has accumulated, the material is placed in lifts of 24-inches or less and compacted in pl

7. Is there any evidence of fires or burning on the structure ? (If YES, specify extent, location, and abatement/extinguishment of such fires) :
There is no evidence of fires or burning on the refuse pile.

8. Describe placement of under drains, protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow) :
No under-drains are present or required at the site. Areas that are to final grade are capped with the prescribed amount of topso

9. Describe any appearances of instability, structural weakness, or other hazardous conditions :
No obvious instability or structural weakness, or other hazardous conditions were noted during the 1st Quarter 2018 inspection

10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)

Are there cracks or scarps in crest ?	YES ☐	NO ☑	
Is there any detectable sloughing or bulging ?	YES ☐	NO ☑	
Do slope erosion problems exist ?	YES ☐	NO ☑	
Cracks or scarps in slope ?	YES ☐	NO ☑	
Surface movements? (valley bottom, hillsides)	YES ☐	NO ☑	
Erosion of Toe ?	YES ☐	NO ☑	
Water impounded by structure ?	YES ☐	NO ☑	
Are diversion ditches stable?	YES ☑	NO ☐	appear to be functioning as designed. The area is partially covered i
Is drainage positive ?	YES ☑	NO ☐	

Could failure of structure create an impoundment (provide description) ? Yes. Failure of the south slope could dam a small ephemeral stream.

Are design standards established within the mining and reclamation plan for the disposal facility being met ?
Yes

Proctor Determination : N/A

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

(place P.E. seal below)

REGISTERED PROFESSIONAL ENGINEER
No. 8781250-2202
CRAIG WILLIAM BROWN
3/26/18
STATE OF UTAH