

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

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Quarterly Inspection Form - Refuse Disposal Areas

(please provide to DOGM promptly after inspection is complete)

Permit Number :	<u>C/007/005</u>	Inspection Date :	<u>December 19, 2017</u>
Mine Name :	<u>Skyline Mine</u>	Quarter / Year :	<u>Q04/Y2017</u>
Mine Operator (Permittee) :	<u>Canyon Fuel Company, LLC</u>	Inspector Name :	<u>Craig Brown</u>
MSHA ID # :	<u>42-01566; Pile 1211-UT-09-01566</u>	Inspector Signature :	
Facility Name / Location / Address :	<u>7 miles SW of Scofield, Utah. HC35 Box 380, Helper, Utah 84526</u>		

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 4th Quarter 2017 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 of Volume placed during year: 16,015 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 occurring 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) :
Material was moved and placed in piles were leveled and compacted prior to the end of 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 2017 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 <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Is there any detectable sloughing or bulging ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Do slope erosion problems exist ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Cracks or scarps in slope ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Surface movements? (valley bottom, hillsides)	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Erosion of Toe ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Water impounded by structure ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Are diversion ditches stable?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	<u>appear to be functioning as designed. The area is covered in 3-ft of</u>
Is drainage positive ?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Could failure of structure create an impoundment (provide description) ?	<u>Yes. Failure of the south slope could dam a small ephemeral stream.</u>		

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.

