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**GENERAL INFORMATION**

Report Date November 10, 2017  
Permit Number C/007/039  
Company Name Canyon Fuel Company, LLC - Dugout Canyon Mine

**EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION**

Pile Name Dugout Canyon Mine Refuse Pile  
Pile Number 1211-UT-09-01890-01  
MSHA ID Number 42-01890

Inspection Date November 3, 2017  
Inspected By David G. Spillman  
Reason for Inspection Quarterly Inspection & Certification

Attachment to Report?      Yes          No   

**Field Evaluation**

1. Foundation preparation, including the removal of all organic material and topsoil.

The foundation preparation was found to be in accordance with the approved plan. On September 25, 2017, foundation preparation for a portion of the Phase II refuse pile expansion commenced. Test pits were dug for a qualified soil scientist and salvaging depths for both topsoil and subsoil were determined throughout the site. This information was communicated to the contractor. Vegetation was grubbed and boulders were relocated to support the recovery of topsoil & subsoil from this area. At the time of the inspection, all soil recovery efforts were complete and the expansion area was ready to accept refuse placement.

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

All necessary drainage systems were constructed, functional and well established at the time of the inspection.

On June 7, 2017, DOGM granted the final approval of the Phase II expansion of this facility. Construction of the Phase II expansion commenced on August 14, 2017. This initial work concentrated on the construction of the 2<sup>nd</sup> sediment pond for the facility. The 2<sup>nd</sup> sediment pond has subsequently been completed and the "as-built" details are currently being documented for incorporation into the mine's M&RP.

4. Placement and compaction of fill materials

Placement and compaction of this refuse appears to have been completed in accordance with the approved plan.

5. Final grading and revegetation of fill.

As part of the Phase II expansion process, newly recovered soils are to be relocated and utilized for the contemporaneous reclamation of the northern portion of the existing refuse pile. This portion of the pile had previously been graded to the final design slopes by utilizing a GPS guided Cat. The same GPS guided Cat will be used for placement of the required volumes of subsoil & topsoil. At the time of the inspection, subsoil placement was continuing and almost complete. Topsoil placement, seeding and erosion control stabilization methods will continue and are expected to be complete by months' end.

6. Appearances of instability, structural weakness, and other hazardous conditions

There was no appearance of instability, structural weakness or other hazardous conditions observed during this inspection.

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

The site was active at the time of the inspection. A GPS guided Cat was actively placing subsoil to design depths on the Phase I contemporaneous reclamation area. A second Cat was actively working and placing refuse on the southern slope of the refuse pile (towards the Phase II expansion area).

A check of the records indicates that 107,094 tons (72,117 yd<sup>3</sup> at 110 lbs/ft<sup>3</sup>) have been delivered from the Castle Valley Prep Plant to this facility YTD. Records also indicate that the most recent sample of refuse taken for analysis was obtained on 10/31/17.

**CERTIFICATION STATEMENT**

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 the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meet or exceed the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By David G. Spillman, Technical Services Manager  
*Full Name and Title*

Signature David G. Spillman Date 11/10/17

P.E. Number and State No. 151610, State of Utah

[Cert. Stamp]

