

December 27, 2017

Utah Coal Program  
Utah Division of Oil, Gas, and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Dear Program Supervisor:

Enclosed are the 4th quarter (quarterly) inspection reports for the Fossil Rock Mine and the Fossil Rock Waste Rock Site.

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

Sincerely,  
CANYON FUEL COMPANY  
Fossil Rock Mine



Rick Parkins  
General Manager Manager

Encl.

cc: DOGM Correspondence File

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

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801  
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**Quarterly Inspection Form - Refuse Disposal Areas**  
 (please provide to DOGM promptly after inspection is complete)

Permit Number : C/015/009 Inspection Date : 12/19/2017  
 Mine Name : Fossil Rock Mine Quarter / Year : 4th / 2017  
 Mine Operator (Permittee) : Fossil Rock Resources, LLC Inspector Name : Bryant Bunnell  
 MSHA ID # : UT09-01211-14 Inspector Signature :   
 Facility Name / Location / Address : Fossil Rock Waste Rock site

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes):  
**No major changes in the geometry of the structure during this quarter.**  
**It's estimated that ~ 121,000 cy of material has been removed. It's estimated that there is ~ 316,000 cy left to be removed.**

2. Lift Height / Thickness Avg NA Maximum NA # \_\_\_\_\_ Elevation of Active Benches : NA  
 3. Vertical Angle of Outslope(s) / Location(s) where measured 2.57H:1V / South slope / \_\_\_\_\_ / \_\_\_\_\_  
 4. Total storage capacity: 784,000 cy Remaining storage capacity 501,760 cy Volume placed during year: 0

5. Describe foundation preparation (including removal of vegetation, stumps, topsoil, and all other organic material):  
**Foundation was prepared according to the approved plan.**

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed):  
NA

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

8. Describe placement of under drains, protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow):  
NA

9. Describe any appearances of instability, structural weakness, or other hazardous conditions:  
None

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

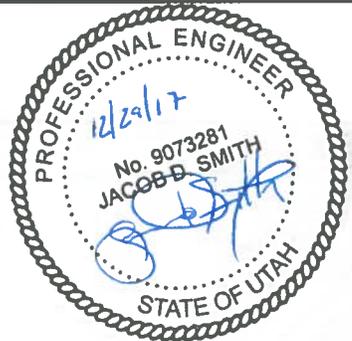
Are there cracks or scarps in crest? YES  NO  NA  
 Is there any detectable sloughing or bulging? YES  NO   
 Do slope erosion problems exist? YES  NO   
 Cracks or scarps in slope? YES  NO   
 Surface movements? (valley bottom, hillsides) YES  NO   
 Erosion of Toe? YES  NO   
 Water impounded by structure? YES  NO   
 Are diversion ditches stable? YES  NO   
 Is drainage positive? YES  NO   
 Could failure of structure create an impoundment (provide description)? \_\_\_\_\_

Are design standards established within the mining and reclamation plan for the disposal facility being met?  
To the best of our knowledge.

Proctor Determination : NA

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. certification below)



Fossil Rock Resources, LLC - Fossil Rock Mine  
Sediment Pond Quarterly Inspection Report

Inspector Bryant Bunnell Date 12/19/17

1. Dam Structural Weakness Action Required
  - A. Cracks or scarps on crest \_\_ Yes  No  
None Observed
  - B. Cracks or scarps on slope \_\_ Yes  No  
None Observed
  - C. Sloughing or bulging on slope \_\_ Yes  No  
None Observed
2. Major Erosion Problems \_\_ Yes  No  
None Observed
3. Surface Movements of Surrounding Slopes \_\_ Yes  No  
None Observed
4. Visible Sumps or Sinkholes in Slurry Surface \_\_ Yes  No  
None observed
5. Clogging
  - A. Spillway channels and pipes \_\_ Yes  No  
Channels and pipes clear
  - B. Decant System \_\_ Yes  No  
Clear and Operational

C. Diversion ditches  Yes  No

Ditches were clear  
\_\_\_\_\_

6. Seepage (Specify Location, Color and Approx. Volume)

Yes  No

None observed  
\_\_\_\_\_

7. Any appearance of instability, structural weakness, or  
other hazardous conditions  Yes  No

\_\_\_\_\_  
\_\_\_\_\_

8. Other Comments

Ditches were dry and clear. Pond had no water.  
\_\_\_\_\_

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\_\_\_\_\_



12 19 2017

Fossil Rock Resources, LLC - Fossil Rock Waste Rock Site  
Sediment Pond Quarterly Inspection Report

Inspector Bryant Bunnell Date 12/19/17

1. Dam Structural Weakness Action Required
  - A. Cracks or scarps on crest \_\_ Yes  No  
None Observed
  - B. Cracks or scarps on slope \_\_ Yes  No  
None Observed
  - C. Sloughing or bulging on slope \_\_ Yes  No  
None Observed
2. Major Erosion Problems \_\_ Yes  No  
None Observed
3. Surface Movements of Surrounding Slopes \_\_ Yes  No  
Not Observed
4. Visible Sumps or Sinkholes in Slurry Surface \_\_ Yes  No  
None observed
5. Clogging
  - A. Spillway channels and pipes \_\_ Yes  No  
Channels and pipes clear
  - B. Decant System \_\_ Yes  No  
Clear and Operational

C. Diversion ditches  Yes  No

Ditches were functional and clear.

6. Seepage (Specify Location, Color and Approx. Volume)

Yes  No

7. Any appearance of instability, structural weakness, or other hazardous conditions

Yes  No

\_\_\_\_\_  
\_\_\_\_\_

8. Other Comments

Ditches appeared clear and pond was ~1/2 full.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

