

C/015/009 Incoming
CL: Keenan

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
Telephone (801) 538-5340 facsimile (801) 359 3940 TTY (801) 538-7458
www.ogm.utah.gov

RECEIVED
JAN 11 2017



DIV. OF OIL, GAS & MINING

Quarterly Inspection Form - Refuse Disposal Areas
(please provide to DOGM promptly after inspection is complete)

Permit Number :	<u>C/015/009</u>	Inspection Date :	<u>11/10/16</u>
Mine Name :	<u>Fossil Rock Mine</u>	Quarter / Year :	<u>4th / 2016</u>
Mine Operator (Permittee) :	<u>Fossil Rock Resources, LLC</u>	Inspector Name :	<u>Vicky Miller</u>
MSHA ID # :	<u>1211-UT-09-02052-04</u>	Inspector Signature :	
Facility Name / Location / Address :	<u>Fossil Rock Waste Rock Site</u>		

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes):
The final design elevation will be approx. 6,850 ft. Storage Capacity quantities provide by Keenan Storrar of DOGM

2. Lift Height / Thickness Avg 2' Maximum 2' # _____ Elevation of Active Benches : 6803
3. Vertical Angle of Outslope(s) / Location(s) where measured 2.57H:1V South slope / _____ / _____
4. Total storage capacity: 784,000 cy appx. Remaining storage capacity 501,760 cy appx. Volume placed during year : 0

5. Describe foundation preparation (including removal of vegetation, stumps, topsoil, and all other organic material) :
Due to new ownership of the existing pile, an assumption has been made that the foundation was prepared according to the approved plan.

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed) :
No material placed this quarter. The surveyed elevation at the center of the active lift was 6,803.31 ft. (2015 PacifiCorp) Pile elevation will be resurveyed once re-mining of the pile has been completed

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) :
Not applicable.

9. Describe any appearances of instability, structural weakness, or other hazardous conditions :
No material placed since transfer of permit.

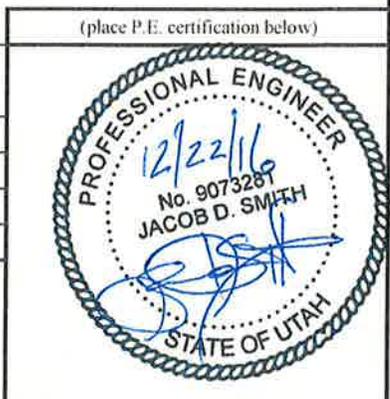
10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)

Are there cracks or scarps in crest ?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	<u>NA</u>
Is there any detectable sloughing or bulging ?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	<u>NA</u>
Do slope erosion problems exist ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	<u>No change since permit transfer in 2015</u>
Cracks or scarps in slope ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	<u>No change since permit transfer in 2015</u>
Surface movements? (valley bottom, hillsides)	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	<u>No change since permit transfer in 2015</u>
Erosion of Toe ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	<u>No change since permit transfer in 2015</u>
Water impounded by structure ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	<u>No change since permit transfer in 2015</u>
Are diversion ditches stable?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Is drainage positive ?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Could failure of structure create an impoundment (provide description) ?	<u>NA</u>		

Are design standards established within the mining and reclamation plan for the disposal facility being met ?
To the best of our knowledge. Pile is in the process of being re-mined, the outcrops of the pile appear to be stable

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.



Fossil Rock Resources, LLC - Fossil Rock Mine

Waste Rock Sediment Pond Quarterly Inspection Report

Inspector Vicky Miller Date 11/10/16

1. Dam Structural Weakness Action Required

A. Cracks or scarps on crest __ Yes X No

None Observed

B. Cracks or scarps on slope __ Yes X No

None Observed

C. Sloughing or bulging on slope __ Yes X No

None Observed

2. Major Erosion Problems __ Yes X No

None Observed

Pond has been dry the majority of the quarter, with evidence of flow into the pond recently at sometime prior to this inspection.

3. Surface Movements of Surrounding Slopes __ Yes X No

Not Observed

4. Visible Sumps or Sinkholes in Slurry Surface __ Yes X No

None Observed

5. Clogging

A. Spillway channels and pipes __ Yes X No

Channels and pipes clear

B. Decant System __ Yes X No

Clear and Operational

C. Diversion ditches were checked on 10/ 25 -26, 11/10, 11/15 and 12/9. Culverts and ditches were cleaned of sediment where needed.

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



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

Inspector Vicky Miller Date 11/10/16

1. Dam Structural Weakness Action Required

A. Cracks or scarps on crest __ Yes X No

None Observed

B. Cracks or scarps on slope __ Yes X No

None Observed

C. Sloughing or bulging on slope __ Yes X No

None Observed

2. Major Erosion Problems __ Yes X No

None Observed

3. Surface Movements of Surrounding Slopes __ Yes X No

Not Observed

4. Visible Sumps or Sinkholes in Slurry Surface __ Yes X No

None Observed

5. Clogging

A. Spillway channels and pipes __ Yes X No

Channels and pipes clear

B. Decant System __ Yes X No

Clear and Operational

C. Diversion ditches and culverts were checked and cleaned where needed.

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

Pond contained water but was not discharging during inspection.