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DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 1, 2017

Richard Parkins, General Manager
Fossil Rock Resources, LLC
225 North 5th Street, Suite 900
Grand Junction, Colorado 81501

Subject: 2016 Annual Report Review Completion, Fossil Rock Mine, Fossil Rock Resources, LLC, C/015/0009, Task #5412

Dear Mr. Parkins:

The Division staff has completed the review of the 2016 Annual Report. A commitment required by the approved Mining and Reclamation Plan has been identified as outstanding. Enclosed is a copy of the review where a more detailed discussion of the outstanding commitment is provided. Enclosed is a copy of the review with each reviewer's comments completed on July 27, 2017.

Please submit the additional information to the Division by September 1, 2017. If you have any questions, please call me at (801) 538-5350.

Sincerely,

Steve Christensen
Permit Supervisor

SKC/ss
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Print Form

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Annual Report

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by the date specified in the cover letter. During a complete inspection an inspector will check and verify the information.

GENERAL INFORMATION

Company Name	Fossil Rock Resources	Mine Name	Fossil Rock
Permit Number	C/015/0009	Permit expiration Date	2020-02-21
Operator Name	Fossil Rock Resources LLC	Phone Number	+1 (970) 263-5130
Mailing Address	225 North 5th Street, 9th Floor	Email	rparkins@bowieresources.com
City	Grand Junction		
State	CO	Zip Code	81501

DOG M File Location or Annual Report Location

Excess Spoil Piles	<input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required	
Refuse Piles	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	Submitted Quarterly to DOGM
Impoundments	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	Submitted Quarterly to DOGM
Other:		

OPERATOR COMMENTS

REVIEWER COMMENTS

Met Requirements Did Not meet Requirements

The annual report meets the State of Utah R645 requirements for Hydrology.

Sediment ponds at the Fossil Rock mine are inspected quarterly and submitted to the Division. The sediment ponds were in good condition during 2016 and were apparently structurally sound (KS 5/10/2017).

Updated 7/27/2017. 7/18/2017, PB. The annual report does not meet the requirements for Waste rock quarterly inspection reports. Waste Rock inspection reports were received and filed in 015009 Incoming on the following dates 1/08/2016 (4th Qtr 2015), 6/27/16 (2nd Qtr 2016), 9/27/2016 (3rd Qtr 2016), and 1/11/2017 (4th Qtr 2016). (First Quarter 2016 was completed on February 12, 2016 and

was received by the Division on July 20, 2017.) The Quarterly inspections do not, but should, indicate the volume of refuse re-mined from the site. The total storage capacity reported does not, but should, reflect the re-mining. i.e. total storage capacity should be increasing as re-mining progresses.

COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the Mining and Reclamation Plan and conditions accepted with the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If additional written response is required, it should be filed as an attachment to this report.

Title: REMINING WASTE ROCK FACILITY

Objective: Provide an as-built drawing of the work, including soil salvage volumes

Frequency: Annually

Status: Ongoing

Reports: Annual Reports

Citation: MRP, R645-301-231.100

Operator Comments

According to the approved permit with an DOGM incorporated date of Dec 07 2015 on the page - "Within six months of the completion of the mining of the pile an as-built drawing and salvaged soil quantities will be incorporated into the permit." (Section 200 Soils, page 4, R645-301-231.100) The mining of the pile was not completed in 2016 and when completed the information will be incorporated in the permit as written in the commitment referenced above.

Reviewer Comments Met Requirements Did Not Meet Requirements

7/18/2017, PB. Fossil Rock MRP Vol 4 contains the commitment described above. Section R645-301-231.100 explains that during remining, the expectation is for 673 CY of topsoil to be salvaged and placed on the west end of topsoil stockpile #2. About 1,347 CY of subsoil will be removed and placed on the north end of the existing subsoil stockpile. During a site visit on May 16, 2017, we discussed amending the topsoil storage location provided an amendment to the plan is filed.

Title: Subsidence Monitoring

Objective: Use aerial photogrammetric survey methods and annual helicopter reconnaissance flights to monitor subsidence

Frequency: Annually

Status: Ongoing

Reports: Annual Reports

Citation: MRP V.1, Ch.3, Section 3.4.8.3, pg. 52, Section 3.5.6.2 pg 68

Operator Comments

There has been no underground mining at this location since March 15, 2001. Therefore, no subsidence occurred in 2016.

Per permitting revisions with incorporation date on the page of APR 05 2016, Section 3.4.8.3 no longer has a subsidence monitoring commitment, therefore it should be removed from the citation. Section 3.5.6.2 does have the following commitment "Annual surveys will be conducted to determine surface deformation due to subsidence and possible movement of surface subsidence monuments.

Reviewer Comments Met Requirements Did Not Meet Requirements

FUTURE COMMITMENTS AND CONDITIONS

The following commitments are not required for the current annual report year, but will be required by the permittee in the future as indicated by the "status" field. These commitments are included for information only, and do not currently require action. If you feel that the commitment is no longer relevant or needs to be revised, please contact the Division.

Title: Vegetation Monitoring

Objective: Observe revegetation efforts

Frequency: Annually upon revegetation

Status: Revegetation efforts have not been initiated

Reports: Annual Reports

Citation: MRP, R645-301-231.100

Title: Roof and Floor Samples

Objective: To determine if toxic or acid forming potential exists

Frequency: Annually during mining operations

Status: To be initiated if mining resumes

Reports: Annual Reports

Citation: MRP Vol 1 Chapt 6 Section 6.6.5 pg 6-8

Title: Groundwater Monitoring

Objective: Analyze mine working water balance, account for mine inflows, outflows, consumptive uses, and sump storage

Frequency: Annually during mining operations

Status: To be initiated if mining resumes

Reports: Annual Reports

Citation: MRP Vol 1 Chapt 6 Section 6.7 pg 6-10

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

Reviewer Comments

MAPS

Copies of mine maps, current and up-to-date, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
Mine Map With Five Year Projected Plan	No mining since 3/15/2001	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reviewer Comments Met Requirements Did Not Meet Requirements

7/18/2017, PB. Re-mining of the Fossil Rock waste site is occurring. What is the five year projection for this activity? Due to the commitment to provide topsoil/subsoil as-builts at the completion of mining stated in MRP Section R645-301-231.100, a projection for completion of mining is requested.