



Suzanne Steab <suzannesteab@utah.gov>

2017 Annual Report Review Completion

Suzanne Steab <suzannesteab@utah.gov>

Fri, Jul 13, 2018 at 8:32 AM

To: Bryant Bunnell <bbunnell@bowieresources.com>, Vicky Miller <vmiller@bowieresources.com>

The Division staff completed the review of the 2017 Annual Report for the Fossil Rock Mine. Attached is a copy of the review with comments.

No hard copy will follow.

Thank you for your diligence in completing the Annual Report.

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Fossil Rock.pdf

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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, LLC	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

DOGM 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

6/26/2018, PB. Waste Rock inspection reports were received on the following dates 3/29/2017 (1st Qtr 2017), 9/28/2017 (3rd Qtr), and 12/27/2017 (4th Qtr). The 1st Qtr report states that 42,198 Tons of waste were removed from the site in 2016. No material was salvaged in 2017. The active bench elevation was surveyed by PacifiCorps in 2015 at 6,803.31 ft. Q 4th Quarter report states that 121,000CY of refuse was removed and there is 316,000 CY remaining (in stockpiles) to be removed. Total storage capacity remaining is 501,760 CY. Final design elevation at capacity is 6,850 ft.

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

On page 4, Section 200: Soils (R645-301-231.100), Volume 4 of the MRP it states the following: "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". The mining of the pile was not completed in 2017, therefore an as-built drawing is not included in this report.

Reviewer Comments Met Requirements Did Not Meet Requirements

6/26/2018, PB. 6/26/2018, PB. Fossil Rock MRP Vo. 4. contains the commitment described above. The re-mining of the waste was initiated in 2014, but the site has been idle for the last three years. The Permittee should provide a temporary cessation notice to the Division. At present, the volume of topsoil and subsoil removed from the contemporaneous reclamation area is unknown. The Division will request updated soil resource information during the mid-term review this year.

Title: Subsidence Monitoring

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

Frequency: Annually

Status: Ongoing

Reports: Annual Reports

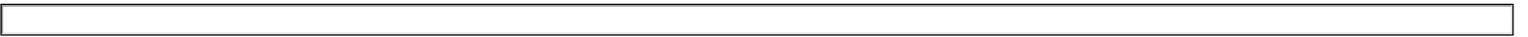
Citation: MRP V.1, Ch.3, Section 3.4.8.3, pg. 52, Section 3.5.6.2 pg 68

Operator Comments

There has been no underground mining at this location since March 15, 2001, therefore no subsidence occurred in 2017. Subsidence monitoring commitments are no longer on the pages cited above.

Reviewer Comments Met Requirements Did Not Meet Requirements

The Division concurs with the permittees findings



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 Chapter 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

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:

Confidential:
Figure 1, 2017 Raptor survey

Reviewer Comments

The 2017 raptor survey included previously identified nests #'s TT13_GOEA, TT14_GOEA, TT15_GOEA, TT16_GOEA, and TT17_GOEA. There was no evidence of occupancy in these nests.

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 checked="" 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

No mining has occurred here since 2001. This commitment will take effect once mining activities are resumed at Fossil Rock. JE