



Suzanne Steab <suzannesteab@utah.gov>

2019 Annual Report Review Completion

Suzanne Steab <suzannesteab@utah.gov>
To: Bryant Bunnell <bbunnell@wolverinefuels.com>
Cc: Justin Eatchel <jeatchel@utah.gov>

Fri, Apr 3, 2020 at 5:28 AM

Hello,

The Division staff have completed the review of the 2019 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**
33K

2019 ANNUAL REPORT

Submit the completed document and any additional information identified to the Division by March 31, 2020.

GENERAL INFORMATION

Company Name	Fossil Rock Resources, LLC	Mine Name	Fossil Rock Mine
Permit Number	C/015/0009	Permit Expiration Date	2025-02-21
Operator Name	Fossil Rock Resources, LLC	Phone Number	+1 (801) 695-9107
Mailing Address	9815 South Monroe Street, Suite 203	Email	cheaps@wolverinefuels.com
City	Sandy		
State	UT	Zip Code	84070

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

OPERATOR COMMENTS

REVIEWER COMMENTS Met Requirements Did Not Meet Requirements

Impoundment inspection reports have been completed for the sediment ponds at the main mine site as well as the waste rock site. Quarterly inspections were completed for the impoundments on the following dates: 3/27/2019, 6/28/2019, 7/19/2019, 9/17/2019, and 10/31/2019. There were no signs of structural weakness, instability, cracks, major erosion, or hazardous features observed in either of the impoundments in 2019. Quarterly inspection reports for the Refuse Disposal Area at the waste rock site were also included with the impoundment reports as they were inspected on the same dates. The reports all state that no signs of instability or other problems were detected, and no major changes in the geometry of the structure were observed throughout 2019. The quarterly refuse inspection forms were all signed and P.E. stamped by Jacob D. Smith, a Professional Engineer in the State of Utah. (JE - 4/2/2020)

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:** As-Built Drawings and Salvaged Soil Quantities**Frequency:** Ongoing, within 6 months of conclusion of Re-mining operations**Status:** Annually, One time**Reports:** Annual Reports**Citation:** MRP, R645-301-231.100**OPERATOR COMMENTS**

A letter declaring cessation of mining activities at the Fossil Rock Waste Rock site was sent to the Division in October of 2018. As-built drawings and salvaged soil quantities were submitted.

REVIEWER COMMENTS

Met Requirements



Did Not Meet Requirements

The mine was originally placed into cessation in 2001, but was changed to active status when 42,198 tons of coal waste were removed from the waste rock site in the first quarter of 2016. The site has since remained inactive until the present day, and was officially placed back into cessation on October 15, 2018. MRP Volume 4 Chapter 2 contains a commitment to provide as-built drawings and soil salvage volumes for the waste rock site. These commitments were satisfied with the approval of Task# 5973 in October 2019. (JE - 4/2/2020)

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: Chapter 6 Section 6.6.5 page 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: Chapter 6 Section 6.7 page 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:

REVIEWER COMMENTS

Met Requirements

Did Not Meet Requirements

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

The mine is currently in temporary cessation. There has been no underground mining activity since 2001.