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State of Utah

DEPARTMENT OF NATURAL RESOURCES

BRIAN C. STEED
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 26, 2020

Dennis Oakley
PacifiCorp Thermal Generation Env Services
1407 West North Temple, Suite 210
Salt Lake City, Utah 84116

Subject: 2019 Annual Report Review Completion, PacifiCorp, Cottonwood/Wilberg Mine, C/015/0010, Task #6075

Dear Mr. Oakley:

The Division has completed the review of the 2019 Annual Report. Upon review of the submitted annual report, please note the following unmet condition:

Attachment 1: Cottonwood Sediment, Erosion and Vegetation Monitoring 2019 partially fulfills requirements established at bond release for the Cottonwood site. Since soils analyses included in Attachment 5 of the bond release application revealed that Left Fork and Main Channel of Grimes Wash had unacceptable SAR values in five locations: shown on Bond Release App. A-2 Plate: Left Fork locations CTW1417, CTW1517, CTW0118 and CTW0218, and main channel location CTW0918. These locations were to be added to the annual spring evaluation of the site and to the list of annual vegetation monitoring reporting on p. 14 of Vol 2, Part 4 (personal communication with D. Oakley, 4/3/2019). These locations were not included in the Attachment 1 report. **If there is any information on these sites for 2019, please provide the information. If not, please include these sites in the 2020 spring evaluation.**

Please provide a response by July 10, 2020.

If you have any questions, please feel free to call me at (801) 538-5350.

Sincerely,

Steve Christensen
Coal Program Manager

SKC/sqs
Enclosure
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2019 ANNUAL REPORT

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

GENERAL INFORMATION

Company Name	PacifiCorp	Mine Name	Cottonwood/Wilberg
Permit Number	C/015/0019	Permit Expiration Date	July 6, 2024
Operator Name	PacifiCorp Thermal Generation Env Services	Phone Number	+1 (435) 220-4632
Mailing Address	1407 West North Temple, Suite 210	Email	dennis.oakley@pacificorp.com
City	Salt Lake City		
State	Utah	Zip Code	84116

DOG M File Location or Annual Report Location

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

OPERATOR COMMENTS

The Cottonwood/Wilberg Mine final reclamation was completed March 2018. Phase I Bond Release was approved May 7, 2019.

REVIEWER COMMENTS

Met Requirements Did Not Meet Requirements

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: VEGETATION MONITORING

Objective: To evaluate vegetation success

Frequency: Annual

Status: Ongoing

Reports: All vegetation monitoring data will be reported annually. This report will contain a narrative of the actual monitoring methods used, results, and a discussion of the overall success or failure of each area. Raw data sheets will also be included in the annual reports.

Citation: Volume 2, part 4, page 16

OPERATOR COMMENTS

Vegetation Monitoring Schedule for mine and remote areas:

Mine: 2022.

Leach Field: monitoring for bond release was conducted in 2017 and 2018, respectively.

Rock and Soil Storage: 2022.

TMA Access: 4th year completed 2018. Years 9/10 will be conducted in 2023 and 2024, respectively.

There was no vegetation monitoring in 2019.

REVIEWER COMMENTS Met Requirements Did Not Meet Requirements

There was no vegetation monitoring in 2019.

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:

Attachment 1: Cottonwood Sediment, Erosion, and Vegetation Monitoring 2019 Attachment 2: Cottonwood Hydrology Monitoring Rpt
Note: The mine discharge data from the UPDES point source in Cottonwood Canyon ((UT0022896-001) can be found in DOGM's Water Data Base as well as on EPA's ECHO data base (<https://echo.epa.gov/tools/data-downloads/icis-ndes-dmr-and-limit-data-set>)

REVIEWER COMMENTS Met Requirements Did Not Meet Requirements

4/23/2020, PB. Attachment 1: Cottonwood Sediment, Erosion and Vegetation Monitoring 2019 partially fulfills requirements established at bond release for the Cottonwood site. Since soils analyses included in Attachment 5 of the bond release application revealed that Left Fork and Main Channel of Grimes Wash had unacceptable SAR values in five locations: shown on Bond Release App. A-2 Plate: Left Fork locations CTW1417, CTW1517, CTW0118 and CTW0218, and main channel location CTW0918. These locations were to be added to the annual spring evaluation of the site and to the list of annual vegetation monitoring reporting on p. 14 of Vol 2, Part 4 (personal communication with D. Oakley, 4/3/2019). These locations were not included in the Attachment 1 report. If there is any information on these sites for 2019, please provide the information. If not, please include these sites in the 2020 Spring evaluation.

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
NA		<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