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DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
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Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 1, 2017

Ken Fleck, Manager of Geology and Environmental Affairs
Interwest Mining Company
P.O. Box 310
Huntington, Utah 84528

Subject: 2016 Annual Report Review Completion, PacifiCorp, Cottonwood/Wilberg Mine,
Task ID #5411, C/015/0019

Dear Mr. Fleck:

The Division has completed the review of the 2016 Annual Report. Enclosed is a copy of the reviews with each reviewer's comments.

Thank you for your diligence in completing the Annual Report. 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	Interwest Mining Company	Mine Name	Cottonwood/Wilberg
Permit Number	C/015/0019	Permit expiration Date	07/06/2019
Operator Name	PacifiCorp	Phone Number	+1 (435) 687-4712
Mailing Address	15 North Main Street	Email	kenneth.fleck@pacificorp.com
City	Huntington		
State	Utah	Zip Code	84528

DOG M File Location or Annual Report Location

Excess Spoil Piles

- Required
 Not Required

Refuse Piles

- Required
 Not Required

See Operator Comment below.

Impoundments

- Required
 Not Required

Impoundment inspection reports for 2016 are found in Attachment A.

Other:

OPERATOR COMMENTS

The Cottonwood/Wilberg refuse pile was approved for transfer to the Trail Mountain Mine MRP on March 5, 2015

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
		<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

REPORTING OF OTHER TECHNICAL DATA

Please list attachments:

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.

1. In 2016, Interwest Mining conducted it's 5 year vegetation sampling of all its reference areas. The vegetation report is found in Attachment B.
2. Water monitoring of surface and groundwater sources is submitted to DOGM on a quarterly basis and can be reviewed in the DOGM water database.

Reviewer Comments

Mt. Nebo Scientific conducted vegetation monitoring of the reference areas in 2016. Two Pinyon-Juniper reference areas shall be used to determine revegetation success of the Cottonwood/Wilberg Mine and the Cottonwood/Trail Mountain Portal. Raw data and photos are located on pages 38 through 45. (LR 4/4/17)

The annual report meets the State of Utah R645 requirements for Hydrology. The annual report includes impoundment inspection reports for the North and South ponds at the Cottonwood mine. Rick Cullum and Mark Reynolds P.E. inspected the sediment ponds March 8, 2016, June 6, 2016, September 9, 2016 and December 6, 2016. The surveyed sediment and water levels in each pond were below the 60% Cleanout Elevations. The inlets and outlets were reported to be in good condition and the slopes appeared to stable. The ponds are filled with little to no of sediment (KS 5/10/2017).

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: To evaluate vegetation success

Frequency: Annual

Status: Pending revegetation

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: V. 2, part 4, page 25, Figure 3

Operator Comments

In 2016, Interwest mining conducted it's 5 year vegetation sampling of all its reference area. The vegetation report is found in Attachment B.