INTERWEST MINING COMPANY
A SUBSIDIARY OF PACIFICORP

Interwest Mining Company
P. O. Box 310
15 No Main Street
Huntington, UT 84528

August 27, 2016

Mike Herkimer
Department of Environmental Quality
Division of Water Quality
195 North 1950 West
P.O. Box 144870
Salt Lake City, UT 84114-4870

Mike:

Enclosed are discharge reports for the Interwest Mines, Deer Creek and Cottonwood, for the Month of July, 2016. All parameters were within permit limits.

If you have any questions concerning these reports, please feel free to call Ken Fleck at (435) 687-4712.

Sincerely,

Kenneth S. Fleck

Rick M. Poulson For
Mine Manager

Encl

CC: Division of Oil, Gas and Mining
Coal Regulatory Program
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801
Dennis Oakley w/ enclosures
Ken Fleck "

Discharge Monitoring Report

Name: PacifiCorp, Interwest Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Deer Creek Mine**

UT0023604
Permit Number

7/1/2016 | 7/31/2016
Monitoring Period

Sediment Pond Outfall

001A
Discharge Number

No Discharge [X]

Parameter		Quantity or Loading Value	Quantity or Loading Value	Quantity or Loading Units	Quantity or Concentration Value	Quantity or Concentration Value	Quantity or Concentration Value	Quantity or Concentration Units	No. Ex.	Frequency of Analysis	Sample Type
Flow Rate 00056 1 0 Effluent Gross Value	Sample Measurement	*******	*******		*******	*******	*******	*******	0		Measured
	Permit Requirement	0.19 30 day avg	*******	mgd	*******	*******	*******	*******		Monthly	Measured
pH 00400 1 0 Effluent Gross Value	Sample Measurement	*******	*******	*******	*******	*******	*******		0		
	Permit Requirement	*******	*******	*******	6.5 daily min	*******	9.0 daily max	SU		Monthly	Grab
Solids, Total Suspended 00530 1 0 Effluent Gross Value	Sample Measurement	*******	*******	*******	*******	*******	*******		0		
	Permit Requirement	*******	*******	*******	25 30 day avg	35 daily max	70 daily max	mg/L		Monthly	Grab
Settleable Solids 00545 R 0 Effluent Gross Value	Sample Measurement	*******	*******	*******	*******	*******	N/A		0		
	Permit Requirement	*******	*******	*******	*******	*******	0.5 Daily max	mL/L		See Permit	Grab
Oil and Grease 00556 1 0 Effluent Gross Value	Sample Measurement	*******	******	******	*******	*******	*******		0		
	Permit Requirement	*******	*******	*******	*******	*******	10 Daily max	mg/L		Monthly	Grab
Iron, Total (as Fe) 01045 10 Effluent Gross Value	Sample Measurement	*******	*******	*******	*******	*******	*******		0		
	Permit Requirement	*******	*******	*******	*******	*******	1.0 Daily max	mg/L		Monthly	Grab
Floating Solids, waste or visible foam; Visual 45613 1 0	Sample Measurement	*******	*******	*******	*******	*******	*******	*******	0		
	Permit Requirement	*******	0 inst max	yes =1 no=0	*******	*******	*******	*******		Monthly	Visual
Sanitary waste discharged - assessment 45614 1 0	Sample Measurement	*******	*******	*******	*******	*******	*******		0		
	Permit Requirement	*******	*******	*******	*******	*******	0 daily max	yes =1 no=0		Monthly	Visual
Solids, Total dissolved 70295 1 0 Effluent Gross	Sample Measurement	*******	*******	*******	*******	*******	*******		0		
	Permit Requirement	*******	*******	*******	*******	*******	Req. Mon. daily max	mg/L		See Permit	Grab
Oil and Grease visual 84066 1 0 Effluent Gross	Sample Measurement	*******	******		*******	*******	*******	*******	0		
	Permit Requirement	*******	0 inst max	yes =1 no=0	*******	*******	*******	*******		Monthly	Visual

No Discharge

Name/Title Principal Executive Officer		Date: 8/27/2016	Telephone	
Rick M. Poulson - Manager of Mines, Interwest Mining Company	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Kenneth S. Fleck for Rick M. Poulson	435	687-9821
Typed or Printed		Signature of Principal Executive Officer or Authorized Representative	Area Code	Number

Comments and explanation of any violations:
Settleable Solids limits will apply during runoff event less than or equal to the 10yr/24hr storm event. Otherwise enter N/A for settleable Solids. See Permit.

Copied from EPA Form 3320-1 (8-95)

Discharge Monitoring Report

Name: PacifiCorp, Interwest Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Deer Creek Mine**

UT0023604
Permit Number

7/1/2016 | 7/31/2016
Monitoring Period

Deer Creek Mine Discharge

002A
Discharge Number

No Discharge
X

No Discharge

Parameter		Quantity or Loading			Quantity or Concentration				No. Ex.	Frequency of Analysis	Sample Type
		Value	Value	Units	Value	Value	Value	Units			
Flow Rate 00056 1 0 Effluent Gross Value	Sample Measurement	*******	*******		*******	*******	*******	*******	0		Measured
	Permit Requirement	5 30 day avg	*******	mgd	*******	*******	*******	*******		Continuous	RCOTOT
pH 00400 1 0 Effluent Gross Value	Sample Measurement	*******	*******		*******	*******			0		
	Permit Requirement	*******	*******		6.5 Daily min	*******	9.0 daily max	SU		Monthly	Grab
Solids, Total Suspended 00530 1 0 Effluent Gross Value	Sample Measurement	*******	*******		*******	*******	*******		0		
	Permit Requirement	*******	*******		15 30 day avg	7[illegible]	*******	mg/L		Monthly	Grab
Oil and Grease 00556 O 0 Effluent Gross Value	Sample Measurement	*******	*******		*******	*******	*******		0		
	Permit Requirement	*******	*******		*******	*******	10 Daily max	mg/L		Monthly	Grab
Iron, Total (as Fe) 01045 10 Effluent Gross	Sample Measurement	*******	*******		*******	*******	*******		0		
	Permit Requirement	*******	*******		*******	*******	1.0 Daily max	mg/L		Monthly	Grab
Visual Foam - Visual 45613 1 0 Effluent Gross	Sample Measurement	*******	*******		*******	*******	*******	*******	0		
	Permit Requirement	*******	0 daily max	yes =1 no=0	*******	*******	*******	*******		Monthly	Visual
assessment 45614 1 0 Effluent Gross Value	Sample Measurement	*******	*******	*******	*******	*******	*******		0		
	Permit Requirement	*******	*******	*******	*******	*******	0 daily max	yes =1 no=0		Monthly	Visual
Solids, Total Dissolved 70295 1 0 Effluent Gross	Sample Measurement	*******	*******		*******	*******	*******		0		
	Permit Requirement	*******	*******	lbs/day	*******	*******	Req. Mon. Daily Max	mg/L		See Permit	Grab
Oil and Grease Visual 84066 O 0 See Comments	Sample Measurement	*******	*******		*******	*******	*******	*******	0		
	Permit Requirement	*******	0 just max	yes =1 no=0	*******	*******	*******	*******		Monthly	Visual

Name/Title Principal Executive Officer		Date: 8/27/2016	Telephone	
Rick M. Poulson - Manager of Mines, Interwest Mining Company	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Kenneth S. Fleck FOR Rick M. Poulson	435	687-9821
Typed or Printed		Signature of Principal Executive Officer or Authorized Representative	Area Code	Number

Comments and explanation of any violations:
Monitoring for Oil and Grease and also do a visual. Sample TDS as per permit, the same value should be entered for 001 and 002. *Deer Creek Mine portals sealed on 4/17/2015 - no discharge after sealing.

Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Deer Creek Mine**

UT0023604
Permit Number

7/1/2016 | 7/31/2016
Monitoring Period

Deer Creek Mine Discharge

SUM-A
Discharge Number

No Discharge
X

Parameter		Quantity or Loading			Quantity or Concentration				No. Ex.	Frequency of Analysis	Sample Type
		Value	Value	Units	Value	Value	Value	Units			
Solids, Total Dissolved 70295 1 0 Effluent Gross	Sample Measurement	*******	*******		*******	*******	*******	*******			
	Permit Requirement	*******	1200 Daily max	mg/l	*******	*******	*******	*******		Monthly	Calculated

No Discharge

Name/Title Principal Executive Officer			
Rick M. Poulson - Mine Manager Energy West Mining	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.	Date: 8/27/2016	Telephone
Typed or Printed		Kenneth S. Fleck for Rick M. Poulson	435 687-9821
		Signature of Principal Executive Officer or Authorized Representative	Area Code Number

Comments and explanation of any violations:
Deer Creek is participating in a "Salinity Offset Program."

Discharge Monitoring Report (DMR)

Name: PacifiCorp, Interwest Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Cottonwood / Wilberg Mine**

001-A
Discharge Number
UT0022896
Permit Number

7/1/2016 | 7/31/2016
Monitoring Period

DMR Zip Code: 84528

Cont GW Disch to CTW Crk
External Outfall

No Discharge ☐

Parameter		Quantity or Loading			Quantity or Concentration				No. Ex.	Frequency of Analysis	Sample Type
		Value	Value	Units	Value	Value	Value	Units			
Flow Rate 00056 1 0 Effluent Gross	Sample Measurement	*****	0.0250		*******	*******	*******	****	0	1/30	
	Permit Requirement	******	.054 30 Day Avg	MGD	*******	*******	*******	****		Monthly	Measured
pH 00400 1 0 Effluent Gross	Sample Measurement	*******	*******		7.26	*******	7.26		0	1/30	
	Permit Requirement	*******	*******		6.5 Daily Min	*******	9.0 Daily Max	SU		Monthly	Grab
Solids, Total Suspended 00530 1 0 Effluent Gross	Sample Measurement	*******	*******		*****	<5	<5		0	1/30	
	Permit Requirement	*******	*******		******	20 30 Day Avg	30 7 Day Avg	mg/L		Monthly	Grab
Iron, Total (as Fe) 01045 1 0 Effluent Gross	Sample Measurement	*******	*******		*******	*******	<0.05		0	1/30	
	Permit Requirement	*******	*******		*******	*******	1.0 Daily max	mg/L		Monthly	Grab
Oil and Grease 03582 1 0 Effluent Gross	Sample Measurement	*******	*******		*******	*******	N/A		0	1/30	
	Permit Requirement	*******	*******		*******	*******	10 Daily Max	mg/L		Monthly	Grab
Floating Solids or Visible Foam-visual 45613 1 0 Effluent Gross	Sample Measurement	*******	******		*******	*******	0		0	1/30	
	Permit Requirement	*******	******		*******	*******	0 Daily Max	Y=1;N=0		Montly	Visual
Sanitary waste discharged-assessment 45614 1 0 Effluent Gross	Sample Measurement	*******	******		*******	*******	0		0	1/30	
	Permit Requirement	*******	******		*******	*******	0 Daily Max	Y=1;N=0		Monthly	Visual

Name/Title Principal Executive Officer		Date: 8/27/2016	Telephone	
Rick M. Poulson - Manager of Mines, Interwest Mining Company	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Kenneth S. Fleck FOR Rick M. Poulson	435	687-9821
Typed or Printed		Signature of Principal Executive Officer or Authorized Representative	Area Code	Number

Comments and explanation of any violations:
Sample for Setteable Solids (SS) instead of TSS during runoff events <10 yr 24 hr storm event (see permit part I.E. 3-5) Enter N/A for SS as appropriate.

Copied from EPA Form 3320-1 (Rev.01/06)

Discharge Monitoring Report (DMR)

Name: PacifiCorp, Interwest Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Cottonwood / Wilberg Mine**

001-A
Discharge Number
UT0022896
Permit Number

7/1/2016	7/31/2016
Monitoring Period	

DMR Zip Code: 84528

Cont GW Disch to CTW Crk
External Outfall

No Discharge ☐

Parameter		Quantity or Loading			Quantity or Concentration				No. Ex.	Frequency of Analysis	Sample Type
		Value	Value	Units	Value	Value	Value	Units			
Solids, Total Dissolved 70295 1 0 Effluent Gross	Sample Measurement	*******	*******		******	*******	723		0	1/30	
	Permit Requirement	*******	*******		******	*******	1136 Daily Max	mg/L		Monthly	Grab
Oil and Grease Visual 84066 O 0 Effluent Gross	Sample Measurement	*******	0		*******	*******	*******	****	0	1/30	
	Permit Requirement	*******	0 Inst Max	Y=1;N=0	*******	*******	*******	****		Monthly	Visual
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Montly	Visual/Grab

Name/Title Principal Executive Officer		Date: 8/27/2016	Telephone	
Rick M. Poulson - Manager of Mines, Interwest Mining Company	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Kenneth S. Fleck FOR Rick M. Poulson	435	687-9821
Typed or Printed		Signature of Principal Executive Officer or Authorized Representative	Area Code	Number

Comments and explanation of any violations:
Sample for Setteable Solids (SS) instead of TSS during runoff events <10 yr 24 hr storm event (see permit part I.E. 3-5) Enter N/A for SS as appropriate.

Copied from EPA Form 3320-1 (Rev.01/06)

Discharge Monitoring Report (DMR)

Name: PacifiCorp, Interwest Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Cottonwood / Wilberg Mine**

003-A
Discharge Number

UT0022896
Permit Number

7/1/2016 | 7/31/2016
Monitoring Period

DMR Zip Code: 84528

Dischrg Sed Pond Grimes Wash
External Outfall

No Discharge [X]

Parameter		Quantity or Loading			Quantity or Concentration				No. Ex.	Frequency of Analysis	Sample Type
		Value	Value	Units	Value	Value	Value	Units			
Flow Rate 00056 1 0 Effluent Gross	Sample Measurement	******	******		*******	*******	*******	****			
	Permit Requirement	*******	5 30 Day Avg	MGD	*******	*******	*******	****		Monthly	Measured
pH 00400 1 0 Effluent Gross	Sample Measurement	*******	*******		******	*******	******				
	Permit Requirement	*******	*******		6.5 Daily Min	******	9.0 Daily Max	SU		Monthly	Grab
Solids, Total Suspended 00530 1 0 Effluent Gross	Sample Measurement	*******	*******		******	******	******				
	Permit Requirement	*******	*******		25 30 Day A	5 7 Day Avg	70 Daily Max	mg/L		Monthly	Grab
Solids, Settleable 00545 O 0 See Comments	Sample Measurement	*******	*******		******	*******	*******				
	Permit Requirement	*******	*******		******	*******	0.5 Daily max	mL/L		Monthly	Grab
Iron, Total (as Fe) 01045 1 0 Effluent Gross	Sample Measurement	*******	*******		*******	*******	******				
	Permit Requirement	*******	******		*******	*******	1.0 Daily max	mg/L		Monthly	Grab
Oil and Grease 03582 1 0 Effluent Gross	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	10 Daily Max	mg/L		Monthly	Grab
Floating Solids or Visible Foam-visual 45613 1 0 Effluent Gross	Sample Measurement	*******	******		*******	*******	*******	****			
	Permit Requirement	*******	******		*******	*******	0 Daily max	Y=1;N=0		Montly	Visual

No Discharge

Name/Title Principal Executive Officer		Date: 8/27/2016	Telephone	
Rick M. Poulson - Manager of Mines, Interwest Mining Company	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Kenneth S. Fleck FOR Rick M. Poulson	435	687-9821
Typed or Printed		Signature of Principal Executive Officer or Authorized Representative	Area Code	Number

Comments and explanation of any violations:
Sample for Setteable Solids (SS) instead of TSS during runoff events <10 yr 24 hr storm event (see permit part I.E. 3-5) Enter N/A for SS as appropriate.

Copied from EPA Form 3320-1 (Rev.01/06)

Discharge Monitoring Report (DMR)

Name: PacifiCorp, Interwest Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Cottonwood / Wilberg Mine**

003-A
Discharge Number
UT0022896
Permit Number

7/1/2016	7/31/2016
Monitoring Period	

DMR Zip Code: 84528

Dischrg Sed Pond Grimes Wash
External Outfall

No Discharge [X]

Parameter		Quantity or Loading			Quantity or Concentration				No. Ex.	Frequency of Analysis	Sample Type
		Value	Value	Units	Value	Value	Value	Units			
Sanitary waste discharged-assessment 45614 1 0 Effluent Gross	Sample Measurement	*******	******	****	*******	*******	******				
	Permit Requirement	******	******	****	*******	*******	0 Daily max	Y=1;N=0		Monthly	Visual
Solids, Total Dissolved 70295 1 0 Effluent Gross	Sample Measurement	*******	*******		******	*******	******				
	Permit Requirement	*******	*******		******	*******	1200 Daily Max	mg/L		Monthly	Grab
Oil and Grease Visual 84066 1 0 Effluent Gross	Sample Measurement	*******	******		*******	*******	*******	****			
	Permit Requirement	*******	0 Inst Max	Y=1;N	*******	*******	*******	****		Monthly	Visual
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Montly	Visual/Grab

No Discharge

Name/Title Principal Executive Officer		Date: 8/27/2016	Telephone	
Rick M. Poulson - Manager of Mines, Interwest Mining Company	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Kenneth S. Fleck FOR Rick M. Poulson	435	687-9821
Typed or Printed		Signature of Principal Executive Officer or Authorized Representative	Area Code	Number

Comments and explanation of any violations:
Sample for Setteable Solids (SS) instead of TSS during runoff events <10 yr 24 hr storm event (see permit part I.E. 3-5) Enter N/A for SS as appropriate.

Copied from EPA Form 3320-1 (Rev.01/06)

Discharge Monitoring Report (DMR)

Name: PacifiCorp, Interwest Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Cottonwood / Wilberg Mine**

SUM-A
Discharge Number
UT0022896
Permit Number

7/1/2016	7/31/2016
Monitoring Period	

DMR Zip Code: 84528

Sum of All Outfalls
External Outfall

No Discharge [X]

Parameter		Quantity or Loading			Quantity or Concentration				No. Ex.	Frequency of Analysis	Sample Type
		Value	Value	Units	Value	Value	Value	Units			
Solids, Total Dissolved 70295 1 0 Effluent Gross	Sample Measurement	*******	*******		*******	*******	*******		0	1/30	
	Permit Requirement	*******	2000 Daily max	lbs/day	*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Monthly	Grab
	Sample Measurement	*******	*******		*******	*******	*******				
	Permit Requirement	*******	*******		*******	*******	*******			Montly	Grab

No Discharge 03, 05

Name/Title Principal Executive Officer		Date: 8/27/2016	Telephone	
Rick M. Poulson - Manager of Mines, Interwest Mining Company	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Kenneth S. Fleck FOR Rick M. Poulson	435	687-9821
Typed or Printed		Signature of Principal Executive Officer or Authorized Representative	Area Code	Number

Comments and explanation of any violations:
If TDS is 500 mg/L or less at each outfall enter N.A for SUM-A

Copied from EPA Form 3320-1 (Rev.01/06)