INTERWEST MINING COMPANY
A SUBSIDIARY OF PACIFICORP

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

September 23, 2015

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 revised monthly discharge reports for the Interwest Mines, Deer Creek and Cottonwood for the Month of August. All parameters were within permit limits. I have also attached revised reports for Deer Creek for the months of May, June and July 2015. As reported earlier, Total Suspended Solids for the Deer Creek Mine Permit (Outfall 001) exceeded the Suspended Solids limits for June. High rainfall events in May led to the high TSS in the 001 discharge. A total settleable solids sample was not taken or analyzed at the time. The July 2015 result for this outfall has been received. Its value was <5 mg/L, which is in compliance with the permit.

Analyses for the SUM-A sampling point was in compliance with TDS for June and July. SUM-A was not being submitted due to lack of Deer Creek discharge (Outfall 002). I have included SUM-A for May, June, and July. SUM-A TDS for May exceeded the permit limit at 1292 mg/L. This was probably due to high usage of salt during the winter months being washed in with snow melt at the mine site. SUM-A returned to compliance levels for June, July, and August.

For your information, as of September 14, 2015 all three outfalls at Deer Creek are dry.

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

Sincerely,

Rick M. Poulson
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

8/1/2015 | 8/31/2015
Monitoring Period

Sediment Pond Outfall

001A
Discharge Number

No Discharge ☐

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	0.0126	*******		*******	*******	*******	*******	0		Measured
	Permit Requirement	0.19 30 day avg	*******	mgd	*******	*******	*******	*******		Monthly	Measured
pH 00400 1 0 Effluent Gross Value	Sample Measurement	*******	*******	*******	8.16	*******	8.16		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	*******	*******	*******	<5	<5	<5		0		
	Permit Requirement	*******	*******	*******	25 30 day avg	35 7 day avg	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	*******	******	******	*******	*******	<5		0		
	Permit Requirement	*******	*******	*******	*******	*******	10 Daily max	mg/L		Monthly	Grab
Iron, Total (as Fe) 01045 10 Effluent Gross Value	Sample Measurement	*******	*******	*******	*******	0.06	0.06		0		
	Permit Requirement	*******	*******	*******	*******	*******	1.0 Daily max	mg/L		Monthly	Grab
Floating Solids, waste or visible foam; Visual 45613 1 0	Sample Measurement	*******	0		*******	*******	*******	*******	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	*******	*******	*******	*******	*******	845		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

Name/Title Principal Executive Officer		Date:	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.	9/23/2015 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

8/1/2015 | 8/31/2015
Monitoring Period

Deer Creek Mine Discharge

002A
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	30 day avg	*******	mgd	*******	*******	*******	*******		Continuous	RCOTOT
pH 00400 1 0 Effluent Gross Value	Sample Measurement	*******	*******		*******	*******			0		
	Permit Requirement	*******	*******		6.5 Daily min	*******	9.0 max	SU		Monthly	Grab
Solids, Total Suspended 00530 1 0 Effluent Gross Value	Sample Measurement	*******	*******		*******	*******	*******		0		
	Permit Requirement	*******	*******		15 30 day avg	25	*******	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 inst max	yes=1 no=0	*******	*******	*******	*******		Monthly	Visual

No Discharge

Name/Title Principal Executive Officer		Date: 9/23/2015	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.	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

8/1/2015 | 8/31/2015
Monitoring Period

Deer Creek Mine Discharge

SUM-A
Discharge Number

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	*******	845		*******	*******	*******	*******			
	Permit Requirement	*******	1200 Daily max	mg/l	*******	*******	*******	*******		Monthly	Calculated

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: 9/4/2015	Telephone
Typed or Printed		Rick M. Poulson Signature of Principal Executive Officer or Authorized Representative	435 (Area Code) 687-9821 (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

8/1/2015 – 8/31/2015
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	Sample Measurement	*****	0.0335		*******	*******	*******	****	0	1/30	
00056 1 0	Permit Requirement	*******	054 30 Day Avg	MGD	*******	*******	*******	****		Monthly	Measured
Effluent Gross											
pH	Sample Measurement	*******	*******		7.41	*******	7.41		0	1/30	
00400 1 0	Permit Requirement	*******	*******		6.5 Daily Min	*******	9.0 Daily Max	SU		Monthly	Grab
Effluent Gross											
Solids, Total Suspended	Sample Measurement	*******	*******		*****	<5	<5		0	1/30	
00530 1 0	Permit Requirement	*******	*******		*******	20 30 Day Avg	30 7 Day Avg	mg/L		Monthly	Grab
Effluent Gross											
Iron, Total (as Fe)	Sample Measurement	*******	*******		*******	*******	0.12		0	1/30	
01045 1 0	Permit Requirement	*******	*******		*******	*******	1.0 Daily max	mg/L		Monthly	Grab
Effluent Gross											
Oil and Grease	Sample Measurement	*******	*******		*******	*******	N/A		0	1/30	
03582 1 0	Permit Requirement	*******	*******		*******	*******	10 Daily Max	mg/L		Monthly	Grab
Effluent Gross											
Floating Solids or Visible Foam-visual	Sample Measurement	*******	******		*******	*******	0		0	1/30	
45613 1 0	Permit Requirement	*******	******		*******	*******	0 Daily Max	Y=1;N=0		Monthly	Visual
Effluent Gross											
Sanitary waste discharged-assessment	Sample Measurement	*******	******		*******	*******	0		0	1/30	
45614 1 0	Permit Requirement	*******	******		*******	*******	0 Daily Max	Y=1;N=0		Monthly	Visual
Effluent Gross											

Name/Title Principal Executive Officer

Rick M. Poulson - Manager of Mines, Interwest Mining Company

Typed or Printed

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.

Date: 9/23/2015

Rick M. Poulson

Signature of Principal Executive Officer or Authorized Representative

Telephone

Area Code	Number
435	687-9821

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

8/1/2015 | 8/31/2015
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	*******	*******		******	*******	712		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	*******	*******		*******	*******	*******			Monthly	Visual/Grab

Name/Title Principal Executive Officer		Date: 9/23/2015	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.	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

8/1/2015 | 8/31/2015
Monitoring Period

DMR Zip Code: 84528

Dischrg Sed Pond Grimes Wash
External Outfall

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	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 Day Avg	15 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

Name/Title Principal Executive Officer

Rick M. Poulson - Manager of Mines, Interwest Mining Company

Typed or Printed

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.

Date: 9/23/2015

Rick M. Poulson

Signature of Principal Executive Officer or Authorized Representative

Telephone

Area Code	Number
435	687-9821

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

8/1/2015 | 8/31/2015
Monitoring Period

DMR Zip Code: 84528

Dischrg Sed Pond Grimes Wash
External Outfall

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			
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	*******	*******		*******	*******	*******			Monthly	Visual/Grab

Name/Title Principal Executive Officer		Date: 9/23/2015	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.	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**

005-A
Discharge Number
UT0022896
Permit Number

8/1/2015	8/31/2015
Monitoring Period	

DMR Zip Code: 84528

Waste Rock Sed Pond to 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	*******	[illegible] Max	SU		Monthly	Grab
Solids, Total Suspended 00530 1 0 Effluent Gross	Sample Measurement	*******	*******		******	[illegible]	******				
	Permit Requirement	*******	*******		25 [illegible] Day Avg	30 [illegible] 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		Monthly	Visual

No Discharge

Name/Title Principal Executive Officer		Date	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.	9/23/2015 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**

005-A
Discharge Number
UT0022896
Permit Number

8/1/2015 | 8/31/2015
Monitoring Period

DMR Zip Code: 84528

Waste Rock Sed Pond to Grimes Wash External Outfall

No Discharge [X]

No Discharge

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
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

Name/Title Principal Executive Officer		Date: 9/23/2015	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.	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

8/1/2015 | 8/31/2015
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: 9/23/2015	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.	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)

Discharge Monitoring Report

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

UT0023604
Permit Number

7/1/2015 | 7/31/2015
Monitoring Period

Sediment Pond Outfall

001A
Discharge Number

No Discharge ☐

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	0.0136	*******		*******	*******	*******	*******	0		Measured
	Permit Requirement	0.19 30 day avg	*******	mgd	*******	*******	*******	*******		Monthly	Measured
pH 00400 1 0 Effluent Gross Value	Sample Measurement	*******	*******	*******	8.13	*******	8.13		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	*******	*******	*******	<5	<5	<5		0		
	Permit Requirement	*******	*******	*******	25 30 day avg	35 7 day avg	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	*******	******	******	*******	*******	<5		0		
	Permit Requirement	*******	*******	*******	*******	*******	10 Daily max	mg/L		Monthly	Grab
Iron, Total (as Fe) 01045 10 Effluent Gross Value	Sample Measurement	*******	*******	*******	*******	<0.05	<0.05		0		
	Permit Requirement	*******	*******	*******	*******	*******	1.0 Daily max	mg/L		Monthly	Grab
Floating Solids, waste or visible foam; Visual 45613 1 0	Sample Measurement	*******	0		*******	*******	*******	*******	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	*******	*******	*******	*******	*******	580		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

Name/Title Principal Executive Officer		Date: 9/23/2015	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.	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

7/1/2015 | 7/31/2015
Monitoring Period

Deer Creek Mine Discharge

002A
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	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	*******	*******		19 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 daily max	yes =1 no=0	*******	*******	*******	*******		Monthly	Visual

No Discharge

Name/Title Principal Executive Officer		Date: 9/23/2015	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.**	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

7/1/2015	7/31/2015
Monitoring Period	

Deer Creek Mine Discharge

SUM-A
Discharge Number

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	*******	580		*******	*******	*******	*******			
	Permit Requirement	*******	1200 Daily max	mg/l	*******	*******	*******	*******		Monthly	Calculated

Name/Title Principal Executive Officer	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: 9/23/2015	Telephone	
Rick M. Poulson - Mine Manager Energy West Mining		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:
Deer Creek is participating in a "Salinity Offset Program."

Discharge Monitoring Report

Revised 9/4/15

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

UT0023604
Permit Number

6/1/2015 | 6/30/2015
Monitoring Period

Sediment Pond Outfall

001A
Discharge Number

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	0.0096	*******		*******	*******	*******	*******	0		Measured
	Permit Requirement	0.39 30 day avg	*******	mgd	*******	*******	*******	*******		Monthly	Measured
pH 00400 1 0 Effluent Gross Value	Sample Measurement	*******	*******	*******	8.21	*******	8.21		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	*******	*******	*******	151*	151*	151*		3		
	Permit Requirement	*******	*******	*******	25 30 day avg	35 7 day avg	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	*******	*******	*******	*******	*******	<5		0		
	Permit Requirement	*******	*******	*******	*******	*******	10 Daily max	mg/L		Monthly	Grab
Iron, Total (as Fe) 01045 10 Effluent Gross Value	Sample Measurement	*******	*******	*******	*******	<0.05	<0.05		0		
	Permit Requirement	*******	*******	*******	*******	*******	1.0 Daily max	mg/L		Monthly	Grab
Floating Solids, waste or visible foam; Visual 45613 1 0	Sample Measurement	*******	0		*******	*******	*******	*******	0		
	Permit Requirement	*******	0 daily 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	*******	*******	*******	*******	*******	485		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 daily max	yes =1 no=0	*******	*******	*******	*******		Monthly	Visual

Name/Title Principal Executive Officer		Date: 9/23/2015	Telephone	
Rick M. Poulson - Mine Manager Energy West 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.	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: *High Precipitation and runoff at end of May. Total Settleable Solids was not run on this water. 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, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Deer Creek Mine**

UT0023604
Permit Number

6/1/2015 | 6/30/2015
Monitoring Period

Deer Creek Mine Discharge

002A
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			
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 daily max	yes =1 no=0	*******	*******	*******	*******		Monthly	Visual

No Discharge

Name/Title Principal Executive Officer		Date: 9/23/2015	Telephone	
Rick M. Poulson - Mine Manager Energy West 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.	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	6/1/2015	6/30/2015
	Monitoring Period	

Deer Creek Mine Discharge

SUM-A Discharge Number

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	*******	485		*******	*******	*******	*******			
	Permit Requirement	*******	1200 Daily max	mg/l	*******	*******	*******	*******		Monthly	Calculated

Name/Title Principal Executive Officer	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: 9/23/2015	Telephone	
Rick M. Poulson - Mine Manager Energy West Mining		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:
Deer Creek is participating in a "Salinity Offset Program."

Discharge Monitoring Report

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

UT0023604
Permit Number

5/1/2015 | 5/31/2015
Monitoring Period

Sediment Pond Outfall

001A
Discharge Number

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	0.0048	*******		*******	*******	*******	*******	0		Measured
	Permit Requirement	0.19 30 day avg	*******	mgd	*******	*******	*******	*******		Monthly	Measured
pH 00400 1 0 Effluent Gross Value	Sample Measurement	*******	*******	*******	7.88	*******	7.88		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	*******	*******	*******	20	20	20		0		
	Permit Requirement	*******	*******	*******	25 30 day avg	35 7 day avg	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	*******	******	******	*******	*******	<5		0		
	Permit Requirement	*******	*******	*******	*******	*******	10 Daily max	mg/L		Monthly	Grab
Iron, Total (as Fe) 01045 10 Effluent Gross Value	Sample Measurement	*******	*******	*******	*******	0.17	0.17		0		
	Permit Requirement	*******	*******	*******	*******	*******	1.0 Daily max	mg/L		Monthly	Grab
Floating Solids, waste or visible foam; Visual 45613 1 0	Sample Measurement	*******	0		*******	*******	*******	*******	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	*******	*******	*******	*******	*******	1292		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

Name/Title Principal Executive Officer		Date:	Telephone	
Rick M. Poulson - Mine Manager Energy West 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.	9/23/2015 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, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Deer Creek Mine**

UT0023604
Permit Number

5/1/2015 | 5/31/2015
Monitoring Period

Deer Creek Mine Discharge

002A
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			
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 max	yes =1 no=0	*******	*******	*******	*******		Monthly	Visual

No Discharge

Name/Title Principal Executive Officer		Date:	Telephone	
Rick M. Poulson - Mine Manager Energy West 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.	9/23/2015	435	687-9821
Typed or Printed		Rick M. Poulson 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	5/1/2015 – 5/31/2015 Monitoring Period	SUM-A Discharge Number	Deer Creek Mine Discharge

No Discharge ☐

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
Solids, Total Dissolved 70295 1 0 Effluent Gross	Sample Measurement	*******	1292*		*******	*******	*******	*******	1		
	Permit Requirement	*******	1200 Daily max	mg/l	*******	*******	*******	*******		Monthly	Calculated

Name/Title Principal Executive Officer		Date: 9/23/2015	Telephone	
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, including the possibility of	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: High precipitation and road salt application at mine site (since closed)
Deer Creek is participating in a "Salinity Offset Program."

Energy West
Deer Creek Mine
UPDES Permit UT0023604
Salinity (TDS) Offset Cost Calculation Sheet

See Sheet 2 for Constants, Variables, Assumptions
See Sheet 3 for TDS Loading Calculation

Calendar Year 2015

2015		
Mine Discharge Rate	1,100	g/d
Average TDS Concentration	550	mg/l
Calculated daily TDS load	3.64	tons
Minus 1 ton per day allowed	-1	ton
Needed Credit per day	2.64	tons
Needed Credit per year	962.00	tons

Total Credits for 1-Year Plan:	Credits:
2015	962.00
One Year Total Credits Required:	962.00
Total Cost For Credits	$47,724.82
(Assume $49.61 per ton)	

Energy West Mining Company Deer Creek Mine TDS Credits Month - Year:	Average Daily TDS Load (Tons)	TDS Credits Used (Curr. Month)	TDS Credits Used (Cumulative)	Available TDS Credits:	Percentage of Fund Remaining
				962.0	100.0%
January-15	5.275	163.5	163.5	798.5	83.0%
February-15	0.023	0.6	164.2	797.8	82.9%
March-15	1.029	31.9	196.1	765.9	79.6%
April-15	0.059	1.8	197.9	764.1	79.4%
May-15	-0.788	0.0	197.9	764.1	79.4%
June-15	-0.577	0.0	197.9	764.1	79.4%
July-15	-0.442	0.0	197.9	764.1	79.4%
August-15	-0.804	0.0	197.9	764.1	79.4%
September-15					
October-15					
November-15					
December-15					

Salinity (TDS) is measured at the new compliance point (SUM-A) below the confluence of DCD-001 and DCD-002.
(BASIS FOR EFFLUENT LIMITATIONS, 5. a. i. & ii, UPDES Permit UT0023604, Energy West Deer Creek Mine)

"Salt" Loading Calculations

Constants:

1 day =	1440	minutes
1 gallon=	3.78541	liters
1 pound=	453592	milligrams

Assumptions:

Discharge TDS	550	mg/l	Total Dissolved Solids
Discharge Vol	1100	gpm	from now until shutdown
Discharge Vol	350	gpm	after shutdown
Cost per Credit	49.61		Cost Calculated by DWQ

At 1100 gpm, salt load per day will be:

Discharge per day =	1,584,000	gallons per day
	5,996,089.4	liters per day
	3,297,849,192	milligrams of salt per day
	7,270.5	pounds of salt per day
	3.64	tons of salt per day

At 350 gpm, salt load per day will be:

Discharge per day =	504,000	gallons per day
	1,907,846.6	liters per day
	1,049,315,652	milligrams of salt per day
	2,313.3	pounds of salt per day
	1.16	tons of salt per day

DEER CREEK MINE SEDIMENT POND DISCHARGE - DC Combined Discharge (SUM-A)

MONTH: January
YEAR: 2015

POUNDS OF SALT DISCHARGE

	INPUT TDS LEVEL	LBS./ GALLON	INPUT DISCHARGE RATE (GPM)	TONS OF SALT/DAY	POUNDS PER/DAY	INPUT # OF DAYS	TOTAL TONS OF SALT DISCHARGE/MONTH
MONTHLY AVERAGE	685	0.006	1524.5	6.27	12,549.26	31	194.51
SAMPLE AVERAGE	685	0.006	1524.5	6.27	12,549.26	31	194.51
SAMPLE MAXIMUM	685	0.006	1533.0	6.31	12,618.90		
SAMPLE MINIMUM	685	0.006	1143.0	4.70	9,408.61		

TOTAL GALLONS DISCHARGE FOR **January** 68,055,466

DMR REPORTING: **MAX. = Sampled TDS(1 sample) with sampled flow rate.**
AVG. = Sampled TDS(1 sample) with sampled flow rate.

DAYS OF DISCHARGE: 31 **DAYS**
SAMPLE AVERAGE TDS =1 SAMPLE **Mean =** 685 **mg/l**
SAMPLE AVERAGE FLOW = 1524.54 **GPM**
DURATION OF DISCHARGE = 31 **Days**

AVERAGE FLOW	1524.5	**GPM**	2,195,338	**GPD**
MAXIMUM FLOW	1533	**GPM**	2,207,520	**GPD**

DEER CREEK MINE SEDIMENT POND DISCHARGE - DC Combined Discharge (SUM-A)

MONTH: February
YEAR: 2015

POUNDS OF SALT DISCHARGE

	INPUT TDS LEVEL	LBS./ GALLON	INPUT DISCHARGE RATE (GPM)	TONS OF SALT/DAY	POUNDS PER/DAY	INPUT # OF DAYS	TOTAL TONS OF SALT DISCHARGE/MONTH
MONTHLY AVERAGE	579	0.005	294.0	1.02	2,045.57	28	28.64
SAMPLE AVERAGE	579	0.005	294.0	1.02	2,045.57	28	28.64
SAMPLE MAXIMUM	579	0.005	1455.0	5.06	10,123.49		
SAMPLE MINIMUM	579	0.005	0.0	0.00	0.00		

TOTAL GALLONS DISCHARGE FOR **February** 11,854,080

DMR REPORTING: **MAX. = Sampled TDS(1 sample) with sampled flow rate.**
AVG. = Sampled TDS(1 sample) with sampled flow rate.

DAYS OF DISCHARGE: 28 **DAYS**
SAMPLE AVERAGE TDS =1 SAMPLE **Mean =** 579 **mg/l**
SAMPLE AVERAGE FLOW = 294 **GPM**
DURATION OF DISCHARGE = 28 **Days**

AVERAGE FLOW	294.0	**GPM**	423,360	**GPD**
MAXIMUM FLOW	1455	**GPM**	2,095,200	**GPD**

DEER CREEK MINE SEDIMENT POND DISCHARGE - DC Combined Discharge (SUM-A)

MONTH: March
YEAR: 2015

POUNDS OF SALT DISCHARGE

	INPUT TDS LEVEL	LBS./ GALLON	INPUT DISCHARGE RATE (GPM)	TONS OF SALT/DAY	POUNDS PER/DAY	INPUT # OF DAYS	TOTAL TONS OF SALT DISCHARGE/MONTH
MONTHLY AVERAGE	457	0.004	739.1	2.03	4,058.90	31	62.91
SAMPLE AVERAGE	457	0.004	739.1	2.03	4,058.90	31	62.91
SAMPLE MAXIMUM	457	0.004	870.0	2.39	4,777.76		
SAMPLE MINIMUM	457	0.004	536.0	1.47	2,943.54		

TOTAL GALLONS DISCHARGE FOR **March** 32,993,424

DMR REPORTING: **MAX. = Sampled TDS(1 sample) with sampled flow rate.**
AVG. = Sampled TDS(1 sample) with sampled flow rate.

DAYS OF DISCHARGE: 31 **DAYS**
SAMPLE AVERAGE TDS =1 SAMPLE **Mean =** 457 **mg/l**
SAMPLE AVERAGE FLOW = 739.1 **GPM**
DURATION OF DISCHARGE = 31 **Days**

AVERAGE FLOW	739.1	**GPM**	1,064,304	**GPD**
MAXIMUM FLOW	870	**GPM**	1,252,800	**GPD**

DEER CREEK MINE SEDIMENT POND DISCHARGE - DC Combined Discharge (SUM-A)

MONTH: April
YEAR: 2015

POUNDS OF SALT DISCHARGE

	INPUT TDS LEVEL	LBS./ GALLON	INPUT DISCHARGE RATE (GPM)	TONS OF SALT/DAY	POUNDS PER/DAY	INPUT # OF DAYS	TOTAL TONS OF SALT DISCHARGE/MONTH
MONTHLY AVERAGE	457	0.004	385.8	1.06	2,118.69	30	31.78
SAMPLE AVERAGE	457	0.004	385.8	1.06	2,118.69	30	31.78
SAMPLE MAXIMUM	457	0.004	888.0	2.44	4,876.61		
SAMPLE MINIMUM	457	0.004	0.0	0.00	0.00		

TOTAL GALLONS DISCHARGE FOR **April** 16,666,560

DMR REPORTING: **MAX. = Sampled TDS(1 sample) with sampled flow rate.**
AVG. = Sampled TDS(1 sample) with sampled flow rate.

DAYS OF DISCHARGE: 30 **DAYS**
SAMPLE AVERAGE TDS =1 SAMPLE **Mean =** 457 **mg/l**
SAMPLE AVERAGE FLOW = 385.8 **GPM**
DURATION OF DISCHARGE = 30 **Days**

AVERAGE FLOW	385.8	**GPM**	555,552	**GPD**
MAXIMUM FLOW	888	**GPM**	1,278,720	**GPD**

DEER CREEK MINE SEDIMENT POND DISCHARGE - DC Combined Discharge (SUM-A)

MONTH: May
YEAR: 2015

POUNDS OF SALT DISCHARGE

	INPUT TDS LEVEL	LBS./ GALLON	INPUT DISCHARGE RATE (GPM)	TONS OF SALT/DAY	POUNDS PER/DAY	INPUT # OF DAYS	TOTAL TONS OF SALT DISCHARGE/MONTH
MONTHLY AVERAGE	1292	0.011	27.3	0.21	423.23	31	6.56
SAMPLE AVERAGE	1292	0.011	27.3	0.21	423.23	31	6.56
SAMPLE MAXIMUM	1292	0.011	27.3	0.21	423.23		
SAMPLE MINIMUM	1292	0.011	27.3	0.21	423.23		

TOTAL GALLONS DISCHARGE FOR **May** 1,216,886

DMR REPORTING: **MAX. = Sampled TDS(1 sample) with sampled flow rate.**
AVG. = Sampled TDS(1 sample) with sampled flow rate.

DAYS OF DISCHARGE: 31 **DAYS**
SAMPLE AVERAGE TDS =1 SAMPLE **Mean =** 1292 **mg/l**
SAMPLE AVERAGE FLOW = 27.26 **GPM**
DURATION OF DISCHARGE = 30 **Days**

AVERAGE FLOW	27.3	**GPM**	39,254	**GPD**
MAXIMUM FLOW	27.26	**GPM**	39,254	**GPD**

DEER CREEK MINE SEDIMENT POND DISCHARGE - DC Combined Discharge (SUM-A)

MONTH: June
YEAR: 2015

POUNDS OF SALT DISCHARGE

	INPUT TDS LEVEL	LBS./ GALLON	INPUT DISCHARGE RATE (GPM)	TONS OF SALT/DAY	POUNDS PER/DAY	INPUT # OF DAYS	TOTAL TONS OF SALT DISCHARGE/MONTH
MONTHLY AVERAGE	485	0.004	145.0	0.42	845.08	30	12.68
SAMPLE AVERAGE	485	0.004	145.0	0.42	845.08	30	12.68
SAMPLE MAXIMUM	485	0.004	145.0	0.42	845.08		
SAMPLE MINIMUM	485	0.004	145.0	0.42	845.08		

TOTAL GALLONS DISCHARGE FOR **June** 6,264,000

DMR REPORTING: **MAX. = Sampled TDS(1 sample) with sampled flow rate.**
AVG. = Sampled TDS(1 sample) with sampled flow rate.

DAYS OF DISCHARGE: 30 **DAYS**
SAMPLE AVERAGE TDS =1 SAMPLE **Mean =** 485 **mg/l**
SAMPLE AVERAGE FLOW = 145 **GPM**
DURATION OF DISCHARGE = 30 **Days**

AVERAGE FLOW	145.0	**GPM**	208,800	**GPD**
MAXIMUM FLOW	145	**GPM**	208,800	**GPD**

DEER CREEK MINE SEDIMENT POND DISCHARGE - DC Combined Discharge (SUM-A)

MONTH: July
YEAR: 2015

POUNDS OF SALT DISCHARGE

	INPUT TDS LEVEL	LBS./ GALLON	INPUT DISCHARGE RATE (GPM)	TONS OF SALT/DAY	POUNDS PER/DAY	INPUT # OF DAYS	TOTAL TONS OF SALT DISCHARGE/MONTH
MONTHLY AVERAGE	580	0.005	160.0	0.56	1,115.16	31	17.28
SAMPLE AVERAGE	580	0.005	160.0	0.56	1,115.16	31	17.28
SAMPLE MAXIMUM	580	0.005	160.0	0.56	1,115.16		
SAMPLE MINIMUM	580	0.005	160.0	0.56	1,115.16		

TOTAL GALLONS DISCHARGE FOR **July** 7,142,400

DMR REPORTING: **MAX. = Sampled TDS(1 sample) with sampled flow rate.**
AVG. = Sampled TDS(1 sample) with sampled flow rate.

DAYS OF DISCHARGE: 31 **DAYS**
SAMPLE AVERAGE TDS =1 SAMPLE **Mean =** 580 **mg/l**
SAMPLE AVERAGE FLOW = 160 **GPM**
DURATION OF DISCHARGE = 30 **Days**

AVERAGE FLOW	160.0	**GPM**	230,400	**GPD**
MAXIMUM FLOW	160	**GPM**	230,400	**GPD**

DEER CREEK MINE SEDIMENT POND DISCHARGE - DC Combined Discharge (SUM-A)

MONTH: August
YEAR: 2015

POUNDS OF SALT DISCHARGE

	INPUT TDS LEVEL	LBS./ GALLON	INPUT DISCHARGE RATE (GPM)	TONS OF SALT/DAY	POUNDS PER/DAY	INPUT # OF DAYS	TOTAL TONS OF SALT DISCHARGE/MONTH
MONTHLY AVERAGE	845	0.007	38.7	0.20	392.46	31	6.08
SAMPLE AVERAGE	845	0.007	38.7	0.20	392.46	31	6.08
SAMPLE MAXIMUM	845	0.007	38.7	0.20	392.46		
SAMPLE MINIMUM	845	0.007	38.7	0.20	392.46		

TOTAL GALLONS DISCHARGE FOR **August** 1,725,336

DMR REPORTING: **MAX. = Sampled TDS(1 sample) with sampled flow rate.**
AVG. = Sampled TDS(1 sample) with sampled flow rate.

DAYS OF DISCHARGE: 31 **DAYS**
SAMPLE AVERAGE TDS =1 SAMPLE **Mean =** 845 **mg/l**
SAMPLE AVERAGE FLOW = 38.65 **GPM**
DURATION OF DISCHARGE = 30 **Days**

AVERAGE FLOW	38.7	**GPM**	55,656	**GPD**
MAXIMUM FLOW	38.65	**GPM**	55,656	**GPD**