

C/015/009 Incoming  
C/015/017  
C/015/018  
C/015/019  
cc: Ken, James, Pete



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

July 10, 2013

Mr. Daron Haddock  
Permit Supervisor  
Utah Division of Oil, Gas, and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RECEIVED

JUL 12 2013

DIV. OF OIL, GAS & MINING

Subject: Submittal of Waste Rock Site and Pond Inspection Reports for 2<sup>nd</sup> Quarter 2013:

We are hereby submitting the waste rock site and pond inspection reports for Energy West Mining Company for the 2nd Quarter of 2013. Hard copies are being sent in the regular mail.

Please call me if you have any questions, or require additional information.

*Kenneth S. Fleck*

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

435 687-4712

enclosures: Waste Rock Site and Pond Reports for 2<sup>nd</sup> Quarter 2013

cc: Steve Demczak, Price Office  
Guy Davis

<b>Permit Number</b>	C/015/0019	<b>Report Date</b>	June 27, 2013
<b>Mine Name</b>	Cottonwood/Wilberg		
<b>Company Name</b>	PacifiCorp		
<b>Impoundment Name...</b>	<b>North Pond</b>	<b>South Pond</b>	<b>Waste Rock Pond</b>
<b>Impoundment Number.</b>			
<b>UPDES Permit Number</b>		UT 0022896-003A	UT 0022896-005
<b>MSHA ID NUMBER.....</b>	1211-UT-09-02052-02	1211-UT-09-02052-03	

**IMPOUNDMENT INSPECTION**

<b>Inspection Date</b>	June 19, 2013
<b>Inspected By</b>	Rick Cullum/ Mark Reynolds
<b>2nd Quarter Inspection 2013</b>	

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.
- North Pond:** No instabilities or weaknesses observed.
- South Pond:** No instabilities or weaknesses observed.
- Waste Rock Site Pond:** No instabilities observed.

Required for an impoundment which functions as a <b>SEDIMENTATION POND.</b>	Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.		
	<u>North Pond</u>	<u>South Pond</u>	<u>Waste Rock</u>
	<u>Pond</u>		
	.34 A.F.	.19 A.F.	1.45 A.F.
	Storage Capacity at 7351.0 ft.	at 7322.3 ft.	at 6761.5 ft.
	.56 A.F.	.32 A.F.	2.42 A.F.
	100% Sediment Capacity at 7354.83 ft.	at 7325.33 ft.	at 6765.3 ft.
	Principle and emergency spillway elevations.		
	<u>North Pond</u>	<u>South Pond</u>	<u>Waste Rock Pond</u>
	<u>Principal Spillway Elevation</u>		
	7354.83	7325.33	6766.3
	<u>Emergency Spillway Elevation</u>		
	7363.33	7334.2	6770.0

**Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.

	<u>North Pond</u>	<u>South Pond</u>	<u>Waste Rock Pond</u>
Water Elevation	Dry	DRY	Dry
Discharging	NO	NO	No
Inlet/Outlet Condition	Good	Good	Good
Slope conditions	Good	Good	Good

\*See "Hydrologic Monitoring Data" report submitted to DOGM quarterly for monitoring information.

**Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

	<u>North Pond</u>	<u>South Pond</u>	<u>Waste Rock Pond</u>
Sediment Volume	0.10 AF @7348 ft.	0.00 AF	1.31 AF @6760.7 ft
Remaining Sediment Storage Capacity	0.24 AF	0.19 AF	.14 AF
Water Impounded	0.00 AF	0.00 AF	0.0 AF

**Changes, Comments,**

THE COTTONWOOD MINE WAS IDLED IN 2001, SO THE ONLY WATER THAT REPORTS TO THE PONDS ARE RUN-OFF DURING A STORM EVENT. REPAIRS TO THE BASE OF THE STANDPIPE AREA WERE COMPLETED.

**Qualification Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.



Signature: Mark Reynolds Date: 6-27-13

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			
Permit Number	C/015/0018	Report Date	June 27, 2013
Mine Name	Deer Creek Mine		
Company Name	Energy West Mining		
Impoundment Identification	Impoundment Name	Rilda Canyon Pond	
	Impoundment Number		
	UPDES Permit Number	N/A	
	MSHA ID Number	N/A	N/A

Inspection Date	June 19, 2013		
Inspected By	Rick Cullum / Mark Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	2nd Quarter 2013 Inspection		

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.  
POND  
Conditions, Comments Etc. No hazards observed. Small amount of water from recent rain storms.

Required for an impoundment which functions as a SEDIMENTATION POND.	Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment. <u>POND:</u> 60% Design Storage Capacity ----- .076 A.F. 100% Sediment Capacity ----- .126 A.F.
	Principle and emergency spillway elevations. <u>POND</u> Principle Spillway Elevation (F.A.S.L.): 7516.5 Emergency Spillway Elevation 7516.5

Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.

	<u>POND</u>
Water Elevation	Dry
Discharging	no
Inlet, Outlet, Spillway Conditions	Good
Out slope Conditions	Good

Sediment A. Volume	0.00 A.F.
Remaining Sediment Storage Capacity	.126 A.F.
Water impounded	0.00 A.F.

Changes, Comments, etc. The construction of the pond was completed in early 4<sup>th</sup> quarter 2008. The pond is functioning as designed.

Qualification Statement  	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.  Signature: <u>Mark Reynolds</u> Date: <u>6-27-13</u>  Signature: _____ Date: _____
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<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>			Page 1 of 2						
<b>Permit Number</b>	C/015/0018	<b>Report Date</b>	June 27, 2013						
<b>Mine Name</b>	Deer Creek Mine								
<b>Company Name</b>	Energy West Mining								
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	<b>Mine Site Pond:</b>	<b>Waste Rock Pond:</b>						
	<b>Impoundment Number</b>								
	<b>UPDES Permit Number</b>	UT-0023604-001							
	<b>MSHA ID Number</b>	N/A	N/A						
<b>Inspection Date</b>	6/20/13	<b>Waste Rock Pond</b>	6/20/13						
<b>Inspected By</b>	Rick Cullum / Mark Reynolds								
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		2nd Quarter 2013 Inspection							
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <table border="0"> <thead> <tr> <th></th> <th style="text-align: center;"><u>Mine Site Pond</u></th> <th style="text-align: center;"><u>Waste Rock Pond</u></th> </tr> </thead> <tbody> <tr> <td><b>Conditions, Comments Etc.</b></td> <td style="text-align: center;">No hazards observed.</td> <td style="text-align: center;">No hazards observed.</td> </tr> </tbody> </table>					<u>Mine Site Pond</u>	<u>Waste Rock Pond</u>	<b>Conditions, Comments Etc.</b>	No hazards observed.	No hazards observed.
	<u>Mine Site Pond</u>	<u>Waste Rock Pond</u>							
<b>Conditions, Comments Etc.</b>	No hazards observed.	No hazards observed.							
<b>Required for an impoundment which functions as a SEDIMENTATION POND.</b>	Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.								
		<u>Mine Site Pond:</u>	<u>Waste Rock Pond:</u>						
	<b>60% Design Storage Capacity</b> 1.87 A.F. at 7213.1 ft. ft.		.59 A.F. at 6312.7 ft.						
	<b>100% Sediment Capacity</b> 3.12 A.F. at 7216.0 ft. ft.		.98 A.F. at 6313.45 ft.						
	Principle and emergency spillway elevations.								
		<u>Mine Site Pond</u>	<u>Waste Rock Pond</u>						
	<b>Principle Spillway Elevation (F.A.S.L.):</b>	7218.64	6318.0						
	<b>Emergency Spillway Elevation</b>	7232.03	6318.0						

**Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.

	<u>Mine Site Pond</u>	<u>Waste Rock Pond</u>
Water Elevation	7222.76	None
Discharging	Yes	Never
Inlet, Outlet, Spillway Conditions	Good	Good
Out slope Conditions	No Change	No Change

\*See "Hydrologic Monitoring Data" report submitted quarterly to DOGM for monitoring information.

	<u>Mine Site Pond</u>	<u>Waste Rock Pond</u>
Sediment Volume	2.17 @7214.14	None
Remaining	.95 A.F.	0.59 A.F.
Water impounded	4.23 A.F.	

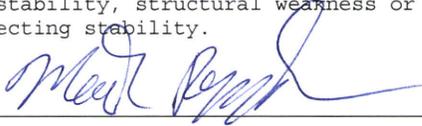
**Changes, Comments, etc.**

The pond was cleaned in Oct. of 2012. There was ice on the pond at time of inspection. It will be surveyed in June for the second quarter inspection.

**Qualification Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: \_\_\_\_\_



Date: \_\_\_\_\_

6-27-13

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 1 of 1	
Permit Number	ACT/015/0017/ACT/015/019	Report Date	June 27, 2013
Mine Name	Cottonwood/Wilberg/Des-Bee-Dove		
Company Name	Energy West Mining Company		
Excess Spoil Pile or Refuse Pile Identification	File Name	Old Waste Rock Site	
	File Number		
	June		
Inspection Date	March 19, 2013		
Inspected By	Mark Reynolds/Rick Cullum		
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	2013 Second Quarter Inspection		
	Attachments to Report?	X No	Yes
<b>Field Evaluation</b>			
Foundation preparation, including the removal of all organic material and topsoil. Constructed according to plan.			
Placement of underdrains and protective filter systems. Not applicable.			
Installation of final surface drainage systems. All surfaces are at their final configuration and drainage established.			
Placement and compaction of fill materials. This site is complete and at capacity.			
Final grading and revegetation of fill. Site is complete and vegetation has been established.			
Appearances of instability, structural weakness, and other hazardous conditions. None observed.			
Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.			
The site will continued to be inspected until MSHA confirms the Refuse site has been abandoned.			
<b>Certification Statement</b> I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.			
By: <u>Mark Reynolds, Sr. Construction Engineer</u> <small>(Full Name and Title)</small>			
Signature:		Date:	<u>6-27-13</u>
P.E. Number & State:	<u>5049079-2202, Utah</u>		



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 1 of 2	
Permit Number	ACT/015/018	Report Date	June 27, 2013
Mine Name	Deer Creek		
Company Name	Energy West Mining Company		
Excess Spoil Pile or Refuse Pile Identification	File Name	Waste Rock Disposal Site	
	File Number		
	MSHA ID Number	1211-UT-09-00121-02	
Inspection Date	June 20, 2013		
Inspected By	Mark Reynolds/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		2013 Second Quarter Inspection	
		Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
<b>Field Evaluation</b>			
<p>1.Foundation preparation, including the removal of all organic material and topsoil.</p> <p>All construction was done according to the permitted, professional engineered design specifications.</p>			
<p>2.Placement of underdrains and protective filter systems.</p> <p>An under-drain was installed when the site was constructed in 1989. The drain had a small amount of flow coming through it at the time of the inspection.</p>			
<p>3.Installation of final surface drainage systems.</p> <p>All interim slopes are maintained at their proper grade. The final slopes are surveyed to assure they are correct. Also the two final designed rip-rap ditches were installed as per the permitted plan and are extended as more lifts are added.</p>			
<p>4.Placement and compaction of fill materials.</p> <p>The site is leveled as they reach capacity. Trash and extraneous material are removed from the piles shortly after they are placed.</p>			
<p>5.Final grading and revegetation of fill.</p> <p>See No. 3.</p> <p>The sub-soil berm surrounding the site was seeded shortly after construction. The total capacity of Phase I is 468,215 yd<sup>3</sup>, this includes both cells 1 and 2.</p>			

6. Appearances of instability, structural weakness, and other hazardous conditions.  
No weakness or instabilities are evident at this time.

7. Other Comments.

Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

CELL	ELEVATION *	DESIGN ELEV.	CAPACITY**
1 (Upper, northern)	6365.72	6369.2	87%
2 (Lower, southern)	6340.64	6369.2	44%

\*The elevations are taken on top of the last compacted lift. The elevation of the dumped piles will not be surveyed until the active lift is compacted and leveled. The survey location is approximately the center of each cell.

\*\* The capacity is based on the last survey elevation compared to available height of waste rock in each cell. To figure the available height an approximate elevation of the original ground was determined based on pre-construction ground contours. The capacity will be updated when a new elevation is survey. The capacity is not based on material hauled to site, as described below.

As of June 1, 2013 there were 4,306.83 cu yd<sup>3</sup> of material hauled YTD. This estimate is based on invoices from the trucking company of truckloads hauled to the site. Each truckload is assumed to be full at 15 tons and a density of 88 pcf. This estimate could lag actual haul dates by 1 to 3 months, depending of invoicing and accounting.

Berms were constructed to hold pond cleaning sediment from the Deer Creek Mine. These berms and sediment will be spread over the site after it has dried out.

**Certification Statement**



I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: Mark Reynolds, Sr. Construction Engineer  
(Full Name and Title)

Signature: *Mark Reynolds* Date: 6-27-13

P.E. Number & State: 5049079-2202, Utah

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 1 of 1	
Permit Number	ACT/015/017/ACT/015/019	Report Date	June 27, 2013
Mine Name	Cottonwood/Wilberg/Des-Bee-Dove/Trail Mountain		
Company Name	Energy West Mining Company		
Excess Spoil Pile or Refuse Pile I.D.	File Name	Cottonwood Waste Rock Site	
	File Number	1211-UT-09-01211-03	
Inspection Date	June 19, 2013		
Inspected By	Mark Reynolds/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	2013 2nd Quarter Inspection		
	Attachments to Report?	x No	Yes
<b>Field Evaluation</b>			
Foundation preparation, including the removal of all organic material and topsoil.			
Foundation was prepared according to the approved plan.			
Placement of underdrains and protective filter systems.			
Not applicable.			
Installation of final surface drainage systems.			
The out slopes of the containment berms are at their final configuration and have been revegetated. The inlet ditch to the pond has been lined with rip rap and is extended as the pile changes elevation.			
Placement and compaction of fill materials.			
The Trail Mountain Mine has ceased production. Mine refuse will no longer be hauled to this site. The site will remain active to accommodate future pond cleanings at Trail Mountain and Cottonwood Mines.			
Final grading and revegetation of fill.			
The out slopes of each containment/lift berm have had final grading and vegetation completed.			
Appearances of instability, structural weakness, and other hazardous conditions.			
None seen.			
Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.			
The total storage capacity of the site is a 784,000 cubic yards. The elevation of the current lift varies with the required drainage slope. The surveyed elevation at the center of the active lift is 6,803.31 ft. The final design elevation will be 6,850 ft. The entire site is approximately 36% capacity. The useable area of the present lift is approximately 97%.			
Certification Statement	<p>I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.</p> <p>By: <u>Mark Reynolds, Sr. Construction Engineer</u> (Full Name and Title)</p> <p>Signature: <u><i>Mark Reynolds</i></u> Date: <u>6-27-13</u></p> <p>P.E. Number &amp; State: <u>5049079-2202, Utah</u></p>		

