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C/05/08 Incoming
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INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 1 of 2	
Permit Number	ACT/015/018	Report Date	DEC. 27, 2011
Mine Name	Deer Creek		
Company Name	Energy West Mining Company		
Excess Spoil Pile or Refuse Pile Identification	Pile Name	Waste Rock Disposal Site	
	Pile Number		
	MSHA ID Number	1211-UT-09-00121-02	
Inspection Date	DEC. 16, 2011		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		2011 Fourth Quarter Inspection	
		Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	

Field Evaluation

1.Foundation preparation, including the removal of all organic material and topsoil.

All construction was done according to the permitted, professional engineered design specifications.

2.Placement of underdrains and protective filter systems.

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.

3.Installation of final surface drainage systems.

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.

4.Placement and compaction of fill materials.

The site is leveled as they reach capacity. Trash and extraneous material are removed from the piles shortly after they are placed.

5.Final grading and revegetation of fill.

See No. 3.

The sub-soil berm surrounding the site was seeded shortly after construction. The total capacity of Phase I is 468,215 yd³, this includes both cells 1 and 2.

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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)	6337.58	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 DEC. 1, 2011 there were 12150.06 cu yd³ 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: John Christensen, Sr. Construction Engineer
(Full Name and Title)

Signature: *John Christensen*

Date: 1/20/12

P.E. Number & State: 165651, Utah

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