

### Document Information Form

Mine Number: C/015/018

File Name: Incoming

To: DOGM

From:

Person N/A

Company N/A

Date Sent: April 08, 1998

Explanation:

Inspection and Certified Report

cc:

File in: C/015/018, Incoming

Refer to:

- Confidential
- Shelf
- Expandable

Date \_\_\_\_\_ For additional information

*Folder # 6*

Permit Number	ACT/015/018	Report Date	March 30, 1998
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	3/12/98		
Inspected By	John Christensen/Richard Jensen		

Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	1998 First Quarter Inspection
	Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes

**Field Evaluation**

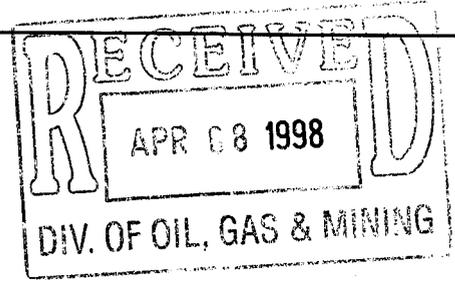
- Foundation preparation, including the removal of all organic material and topsoil.

All construction was done according to the permitted, professional engineered design specifications.
- Placement of underdrains and protective filter systems.

An underdrain 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.
- 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.

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4. Placement and compaction of fill materials.

The site was leveled in February, trash and extraneous material were removed. Lift was sampled as required. The active lift is at approximately 10% capacity.

5. Final grading and revegetation of fill.

See No. 3.

The sub-soil berm surrounding the site was seeded shortly after construction.

6. Appearances of instability, structural weakness, and other hazardous conditions.

Snow still covers all but the South facing slopes. 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.

The total storage capacity of the Area #1 cell is 460,000 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 6,349 ft. The final design elevation will be 6,369 ft. The Area #1 cell is approximately 32% capacity.

The estimated volume of material hauled in 1998 to the site was 4,669 cubic yards, as of February 28.

Containment basins were constructed within the #1 cell to hold sediment from the cleaning of the Deer Creek mine site sediment pond. The cleaning was completed in December 1997. A small amount of water was transported to the waste rock site pond in association with the sediment cleaning process. The waste rock site access road was graded following the sediment cleaning.

**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, Construction Engineer  
(Full Name and Title)

Signature: *John Christensen* Date: 3/30/98

P.E. Number & State: 165651, Utah