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PO Box 310  
Huntington, Utah 84528

July 10, 2001

Ms. Pamela Grubaugh-Littig  
 Permit Supervisor  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

*John Christensen*  
 [Redacted]  
 [Redacted]  
 Copy 8/15/08  
 Copy 8/15/09

Dear Ms. Grubaugh-Littig:

I am enclosing for submittal the 2nd. Quarter 2001 Engineering/Inspection Reports for Cottonwood/Wilberg and Des Bee Dove Waste Rock Site and the old Waste Rock Site. Also, the Deer Creek Waste Rock Site and Elk Canyon/Original Site are enclosed.

Sincerely,

John Christensen, P.E.  
 Sr. Construction Engineer

Encls.

**RECEIVED**

JUL 13 2001

**DIVISION OF  
OIL, GAS AND MINING**

Huntington Office:  
 (435) 687-9821  
 Fax (435) 687-2695  
 Purchasing Fax (435) 687-9092

Deer Creek Mine:  
 (435) 687-2317  
 Fax (435) 687-2285

Trail Mountain Mine:  
 (435) 748-2140  
 Fax (435) 748-5125

Permit Number

ACT/015/0017/ACT/015/019  
*[Signature]*

Report Date

June 29, 2001

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

MSHA ID Number

42-01944 & 42-00988

Inspection Date

6/26/01

Inspected By

John Christensen/Rick Cullum

Reason for Inspection

(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)

2001 Second Quarter Inspection

Attachments to Report?     No     Yes

**Field Evaluation**

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.

There hasn't been any changes at the site since the last inspection.

**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: 7/10/01

P.E. Number & State: 165651, Utah



**Permit Number**

ACT/015/017/ACT/015/019

**Report Date**

June 26, 2001

**Mine Name**

Cottonwood/Wilberg/Des-Bee-Dove/Trail Mountain

**Company Name**

Energy West Mining Company

**Excess Spoil Pile or Refuse Pile Identification**

**Pile Name**

Cottonwood Waste Rock Site

**Pile Number**

**MSHA ID Number**

1211-UT-09-01211-03

**Inspection Date**

June 26, 2001

**Inspected By**

John Christensen/Rick Cullum

**Reason for Inspection**

(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)

2001 Second Quarter Inspection

**Attachments to Report?**  No  Yes

**Field Evaluation**

**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 refuse piles are leveled in lifts with trash and extraneous material sorted according to the permitted plan. The containment area in the North end of the site was partially filled with sediment from the Cottonwood north and south pond and the Trail Mountain pond cleaning. Some of the sediment from the Des-Bee-Dove pond cleaning remain in piles until the next berm construction. The site was leveled and cleaned in November of 2000.

The Trail Mountain Mine has ceased production. Mine refuse will no longer be haul to this site. The site will remain active to accommodate future pond cleanings at Trail Mountain, Cottonwood and Des-Bee-Dove Mines.

**Final grading and revegetation of fill.**

The outslopes of each containment/lift berm have had final grading and vegetation completed.

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

The south face of the refuse pile shows no indication of weakness or instabilities.

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 6,801.95 ft. The final design elevation will be 6,850 ft. The entire site is approximately 36% capacity. The estimated volume hauled to the site year to date as of June 1, 2001 was 2273.4 cubic yards. The useable area of the present lift is approximately 80%. Cottonwood North and South pond cleanings were placed in the containment area on the north end of the site.

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: 7/10/01

P.E. Number & State: 165651, Utah