

September 30, 1998

ACT/015/018 #4
ACT/015/017 #4
ACT/015/019 #4

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Dear Ms. Grubaugh-Littig:

I am enclosing for submittal the 3rd Quarter 1998 Engineering Inspection Reports for Deer Creek, Cottonwood/Wilberg/Des Bee Dove Waste Rock Sites. Please find also 3rd Quarter 1998 Report of the Deer Creek Elk Canyon storage Pad submittal.

Sincerely,

John Christensen, P.E.
Sr. Construction Engineer

Encl.

cc J. Blake Webster

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

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 1 of 3	
Permit Number	ACT/015/0017/ACT015/019	Report Date	September 30, 1998
Mine Name	Cottonwood/Wilberg/Des-Bee-Dove		
Company Name	Energy West Mining Company		
Excess Spoil Pile or Refuse Pile Identification	Pile Name	Old Waste Rock Site	
	Pile Number		
	MSHA ID Number	42-01944 & 42-00988	
Inspection Date	September 25, 1998		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1998 Third Quarter Inspection		
	Attachments to Report? <input type="checkbox"/> No <input type="checkbox"/> Yes		
Field Evaluation			
<p>1. Foundation preparation, including the removal of all organic material and topsoil.</p> <p>Constructed according to plan.</p>			
<p>2. Placement of underdrains and protective filter systems.</p> <p>Not applicable.</p>			
<p>3. Installation of final surface drainage systems.</p> <p>All surfaces are at their final configuration and drainage established.</p>			

4. Placement and compaction of fill materials.

This site is complete and at capacity.

5. Final grading and revegetation of fill.

Site is complete and vegetation has been established.

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

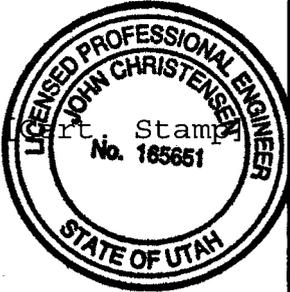
None observed.

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.

No changes in the site have occurred 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.



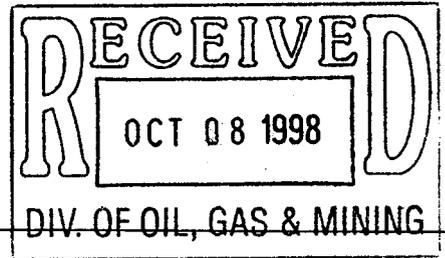
By: John Christensen, Construction Engineer

(Full Name and Title)

Signature: *John Christensen*

Date: 10/4/95

P.E. Number & State: 165651 UTAH



September 30, 1998

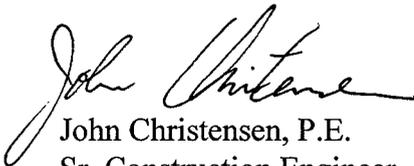
ACT/015/018 #4
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John Christensen, P.E.
Sr. Construction Engineer

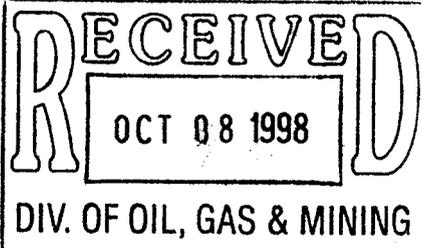
Encl.

cc J. Blake Webster

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INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 1 of 3	
Permit Number	ACT/015/017/ACT/015/019	Report Date	September 30, 1998
Mine Name	Cottonwood/Wilberg/Des-Bee-Dove/Trail Mountain		
Company Name	Energy West Mining Company		
Excess Spoil Pile or Refuse Pile Identification	File Name	Cottonwood Waste Rock Site	
	File Number		
	MSHA ID Number	1211-UT-09-01944-01	
Inspection Date	September 25, 1998		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		1998 3rd Quarter Inspection	
		Attachments to Report? <input type="checkbox"/> No <input type="checkbox"/> Yes	
Field Evaluation			
<p>1. Foundation preparation, including the removal of all organic material and topsoil.</p> <p>Foundation was prepared according to the approved plan.</p>			
<p>2. Placement of underdrains and protective filter systems.</p> <p>Not applicable.</p> <div style="text-align: right;">  </div>			
<p>3. Installation of final surface drainage systems.</p> <p>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.</p>			

4. 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 active lift is approximately 35% capacity. The containment area in the North end of the site was full from recent pond cleanings. The sediment from the Des-Bee-Dove pond cleaning remain in piles until the next site leveling.

5. Final grading and revegetation of fill.

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

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

The south face of the refuse pile shows no indication of weakness or instabilities. The settlement fractures in the top of the southeast corner of the berm have all silted in and show no sign of movement.

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 site is 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 6,798.5 ft. the final design elevation will be 6,850 ft. The entire site is approximately 35% capacity. The estimated volume hauled to the site through August was 7,177 cubic yards. This excludes sediment from pond cleanings. The useable area of the present lift is approximately 35% full of refuse piles. Cottonwood North 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, Construction Engineer
(Full Name and Title)
Signature: *John Christensen* Date: 10/4/98
P.E. Number & State: 165651 UTAH

ACT/DRE 019 #0 ACT 107/017 #0

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 1 of	
Permit Number	ACT/015/0017/ACT/015/019	Report Date	June 26, 1998
Mine Name	Cottonwood/Wilberg/Des-Bee-Dove		
Company Name	Energy West Mining Company		
Excess Spoil Pile or Refuse Pile Identification	Pile Name	Old Waste Rock Site	
	Pile Number		
	MSHA ID Number	42-01944 & 42-00988	
Inspection Date	6/24/98		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		1998 Second Quarter Inspection	
		Attachments to Report? <input type="checkbox"/> No <input type="checkbox"/> Yes	
Field Evaluation			
<p>1. Foundation preparation, including the removal of all organic material and topsoil. Constructed according to plan.</p>			
<p>2. Placement of underdrains and protective filter systems. Not applicable.</p>			
<p>3. Installation of final surface drainage systems. All surfaces are at their final configuration and drainage established.</p>			

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JUL 13 1998
DIV. OF OIL, GAS & MINING

4. Placement and compaction of fill materials.

This site is complete and at capacity.

5. Final grading and revegetation of fill.

Site is complete and vegetation has been established.

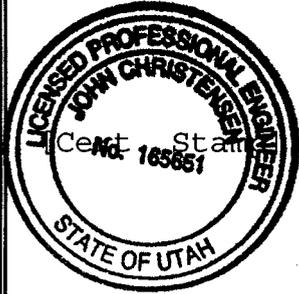
6. Appearances of instability, structural weakness, and other hazardous conditions.

None observed.

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.

No changes in the site have occurred since the last inspection.

Certification
Statement



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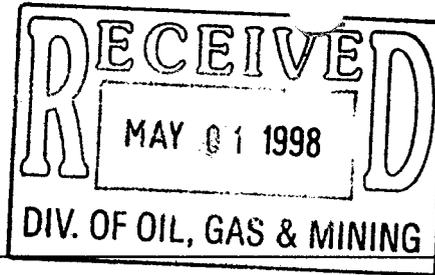
By: JOHN CHRISTENSEN, CONST. ENG.
(Full Name and Title)

Signature: *John Christensen* Date: 7/6/98

P.E. Number & State: 165651, UTAH



PO Box 310
Huntington, Utah 84528



Charles A. Semborski
Geology/Permitting Supervisor
(801) 687-4720
FAX (801) 687-2695

DATE: April 30, 1998
TO: Distribution
FROM: Charles A. Semborski
SUBJECT: Annual Subsidence Monitoring Report - East/Trail Mountain Properties 1997

Enclosed is a copy of the Annual Subsidence Monitoring Report - East/Trail Mountain Properties for 1997.

Distribution:

United States Forest Service:
Price Office - 2 copies (Carter Reed/Jeff DeFreest)

Bureau of Land Management:
Salt Lake Office - Jim Kohler
Price Office - Mark Bailey

Energy West Mining Company:
Deer Creek Mine
Cottonwood Mine
Main Office

ACT/015/009 #6
Copy ACT/015/017 #6
015/018 #6
015/019 #6

cc: Carl Pollastro, with enclosure
Rodger Fry without enclosure
File

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Fax (435) 687-2285

Trail Mountain Mine:
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Fax (435) 748-5125

Copy ACT/015/019 #6

Permit Number ACT/015/017/ACT/015/019 Report Date March 30, 1998

Mine Name Cottonwood/Wilberg/Des-Bee-Dove

Company Name Energy West Mining Company

Excess Spoil Pile or Refuse Pile Identification
Pile Name Old Waste Rock Site
Pile Number
MSHA ID Number 42-01944 & 42-00988

Inspection Date 3/10/98

Inspected By John Christensen/Richard Jensen

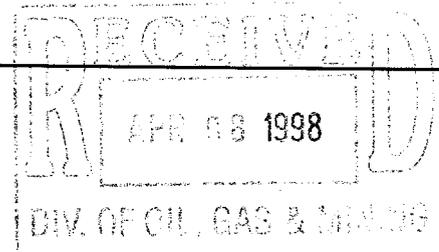
Reason for Inspection 1998 First Quarter Inspection
(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)
Attachments to Report? X No Yes

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.
Constructed according to plan.

2. Placement of underdrains and protective filter systems.
Not applicable

3. Installation of final surface drainage systems.
All surfaces are at their final configuration and drainage established.



4. Placement and compaction of fill materials.

This site is complete and at capacity.

5. Final grading and revegetation of fill.

Site is complete and vegetation has been established.

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

None observed.

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.

No changes in the site have occurred 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.

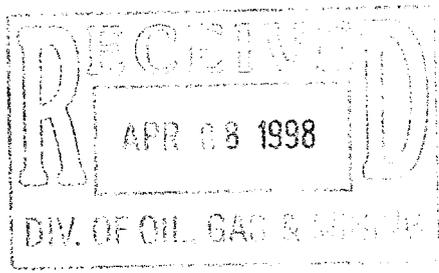
By: John Christensen, Construction Engineer
(Full Name and Title)

Signature: John Christensen Date: 3/30/98

P.E. Number & State: 165651, Utah

Copy ACT/010/019 #6

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE #6		Page 1 of	
Permit Number	ACT/015/017/ACT/015/019	Report Date	March 30, 1998
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-09-01944-01	
Inspection Date	3/10/98		
Inspected By	John Christensen		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		1998 First 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. Foundation was prepared according to the approved plan.			
2. Placement of underdrains and protective filter systems. Not applicable			
3. 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.			



4. 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 active lift is approximately 50% capacity. The containment area in the North end of the site was full from the 4th quarter cleaning of the Cottonwood, Trail Mountain, and Des-Bee-Dove ponds. Areas of the site where the Des-Bee-Dove sediment had been dumped were dozed into piles to make room for more pond cleanings and the regular refuse hauls. These piles will be leveled after drying.

5. Final grading and revegetation of fill.

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

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

Snow covers the top and inside areas of the upper berm. The South face of the refuse pile was visible and shows no indication of weakness or instabilities. The settlement fractures in the top of the South East corner of the berm will continued to be monitored.

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 site is 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 6,798.5 ft. The final design elevation will be 6,850 ft. The site is approximately 35% capacity. The estimated volume hauled to the site in 1998 was 3,090 cubic yards. This excludes sediment from pond cleanings. Additional sediment from the Des-Bee-Dove pond was placed in the site during the 1st quarter 1998. This material covers approximately 1/3 of the total area and will be spread when dry. The refuse on the remaining area was leveled and picked of trash this quarter. The usable area of the present lift is approximately 50% full of refuse piles.

Certification Statement



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By: John Christensen, Construction Engineer
(Full Name and Title)

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

P.E. Number & State: 165651, Utah