Folder #6

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	??	Page 1 of

Permit Number	ACT/015/0017 ACT/015/019 D	**Report Date**	October 9, 1997
Mine Name	Cottonwood/Wilberg/Des Bee Dove		
Company Name			
Excess Spoil Pile or Refuse Pile Identification	**Pile Name**	**Old Waste Rock Site**	
	Pile Number		
	MSHA ID Number	42-01944 & 42-00988	
Inspection Date	9/15/97		
Inspected By	John Christensen and Richard Jensen		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1997 Third Quarter Inspection		
	Attachments to Report? ☐ 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 final slope 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.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	??	Page 3 of

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, CONST. ENG.
(Full Name and Title)

Signature: John Christensen Date: 10/24/97

P.E. Number & State: 165651 UT.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE			Page 1 of
Permit Number	ACT/015/017,ACT/015/019	**Report Date**	10/09/97
Mine Name	Cottonwood/Wilberg/Des Bee Dove/Trail Mountain		
Company Name	Energy West Mining		
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	9/15/97		
Inspected By	John Christensen		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1997 Third Quarter Inspection		
	Attachments to Report? ☐ No ☐ 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 west inlet ditch riprap was repaired during the 3rd quarter.

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 20% capacity. The site was leveled during the 2nd quarter. Some of the lump material that contain good quality coal was hauled back to the mine tipple.

5. Final grading and revegetation of fill.

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

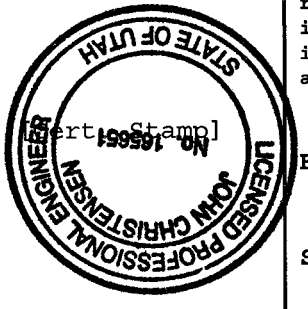
6. Appearances of instability, structural weakness, and other hazardous conditions.

There is evidence of a couple of settlement fractures on the top of the present lift's berm. These are located on the southeast end and will be monitored more closely in the future. There has been no change in these fractures during the 3rd quarter.

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 6798 ft. The final design elevation will be 6850 ft. The site is approximately 35% capacity. The estimated volume hauled to the site in 1977 as of June 1, is 14,386 cubic yards.

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 CONST. ENG.
(Full Name and Title)

Signature: John Christensen **Date:** 10/24/97

P.E. Number & State: 165651 UT

ENERGY WEST Mining Co.
PO Box 310
Huntington, Utah 84528

June 30, 1997

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

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

Dear Ms. Grubaugh-Littig:

I am enclosing for submittal the 2nd Quarter 1997 Engineering Inspection Reports for Deer Creek, Cottonwood/Wilberg/Des Bee Dove Waste Rock Sites. Please find also 2nd Quarter 1997 Report of the Deer Creek Elk Canyon storage Pad submittal.

Sincerely,

John Chuntema
for
Carl Pollastro
Manager Technical Services

Encl.

cc J. Blake Webster

Huntington Office:
(801) 687-9821
Fax (801) 687-2695
Purchasing Fax (801) 687-9092

Deer Creek Mine:
(801) 381-2317
Fax (801) 381-2285

Cottonwood Mine:
(801) 748-2319
Fax (801) 748-2380

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:** 6/13/97	
Mine Name	Cottonwood/Wilberg/Des Bee Dove		
Company Name	Energy West Mining Co.		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name**	Old Waste Rock Site	
	Pile Number		
	MSHA ID Number	42-01944 & 42-00988	
Inspection Date	6/12/97		
Inspected By	John Christensen		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1997 Second Quarter Inspection		
	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 final slope 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.**

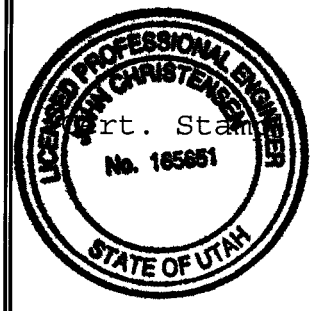
None observed.

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.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 3 of 3

Certification Statement



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

Signature: John Christensen Date: 6/13/97

P.E. Number & State: 165651 UTAH

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** 6/13/97	
Mine Name	Cottonwood/Wilberg/Des Bee Dove/Trail Mountain		
Company Name	Energy West Mining		
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	6/9/97		
Inspected By	John Christensen		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1997 Second Quarter Inspection		
	Attachments to Report? x☐ No ☐ 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 west inlet rip rap will require repair as a result of recent storms.

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 25% capacity. The site was leveled during the 2nd quarter.

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.

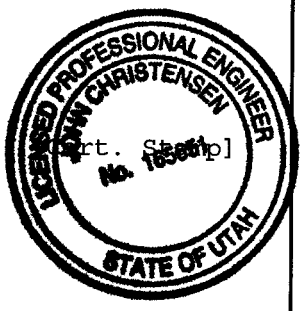
There is evidence of a couple of settlement fractures on the top of the present lift's berm. These are located on the southeast end and will be monitored more closely in the future.

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 6798 ft. The final design elevation will be 6850 ft. The site is approximately 35% capacity. The estimated volume hauled to the site in 1997, as of June 1, is 12988 cubic yards.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 3 of 3

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 ENG.
(Full Name and Title)

Signature: John Christensen Date: 6/13/97

P.E. Number & State: 165651 UTAH

ENERGY WEST Mining Co.
PO Box 310
Huntington, Utah 84528

April 29, 1997

Utah Coal Regulatory Program
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

ACT/015/009 #6
Copy to ACT/015/017, ACT/015/018 & ACT/015/019 #6

Attention: Ms. Pamela Grubaugh-Littig

Re: Submittal of Annual Report for 1996, PacifiCorp, Trail Mountain Mine, ACT/015/009, Cottonwood Mine, ACT/015/019, Deer Creek Mine, ACT/015/018, Des-Bee-Dove, ACT/015/017, Folder #2, Emery County, Utah.

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, herewith submit the Annual Report for 1996.

Please find enclosed two copies each of all forms and activities of the above mines related to coal mining and reclamation monitoring during the 1996 year, including the Subsidence and Hydrologic reports.

If there are any questions or concerns please call Charles Semborski at 687-4720 or Richard Northrup at 687-4822.

Sincerely,

Charles A. Semborski
Geology/Environmental Supervisor

cc: Blake Webster
Carl Pollastro
Barbara Adams (File)

Huntington Office:
(801) 687-9821
Fax (801) 687-2695
Purchasing Fax (801) 687-9092

Deer Creek Mine:
(801) 381-2317
Fax (801) 381-2285

Cottonwood Mine:
(801) 748-2319
Fax (801) 748-2380

Orig. - ACT/015/019 #6

Copy to ACT/015/017 #6

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**	3/31/97
Mine Name	Cottonwood/Wilberg/Des Bee Dove		
Company Name	Energy West Mining Co.		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name**	Old Waste Rock Site	
	Pile Number		
	MSHA ID Number	42-01944 & 42-00988	
Inspection Date	3/21/97		
Inspected By	John Christensen		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1997 First Quarter Inspection		
	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 final slope 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. The berm on the southern end of the pile had been breached from recent storm runoff. It was repaired and is back to original condition.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 3 of 3

Certification Statement

[Insert Stamp]

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 ENG.
(Full Name and Title)

Signature: John Christensen Date: 4/1/97

P.E. Number & State: 165651 UTAH

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**	3/31/97
Mine Name	Cottonwood/Wilberg/Des Bee Dove/Trail Mountain		
Company Name	Energy West Mining		
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	3/21/97		
Inspected By	John Christensen		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1997 First Quarter Inspection		
	Attachments to Report? x☐ No ☐ 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 west inlet rip rap ditch to the sediment pond remains in good operative condition, as well as the easterly rip rap channel.

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 60% capacity.

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.

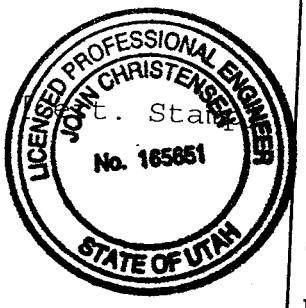
There is evidence of a couple of settlement fractures on the top of the present lift's berm. These are located on the southeast end and will be monitored more closely in the future.

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 6797 ft. The final design elevation will be 6850 ft. The site is approximately 35% capacity. The estimated volume hauled to the site in 1997, as of March 1, is 6900 cubic yards.

INSPECTION AND CERTIFIED REPORT
ON EXCESS SPOIL PILE OR REFUSE PILE

Certification Statement



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

Signature: John Christensen Date: 4/1/97

P.E. Number & State: 165651 UTAH

ENERGY WEST Mining Co.
A Subsidiary of PacifiCorp
PO Box 310
Huntington, Utah 84528

January 7, 1997

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

Dear Ms. Grubaugh-Littig:

ACT/015/017 #6
and ACT/015/012 #6

I am enclosing for submittal the 4th Quarter 1996 Engineering Inspection Reports for Deer Creek, Cottonwood/Wilberg and Des Bee Dove Waste Rock Sites. Also enclosed is the 4th Quarter 1996 Report of the Deer Creek Elk Canyon Storage Pad submittal.

Sincerely,

Carl Pollastro
Manager Technical Services

Encls.

cc J. Blake Webster

Huntington Office
(801) 687-9821
Fax # (801) 687-2695

Deer Creek Mine
(801) 381-2317
Fax # (801) 381-2285

Cottonwood Mine
(801) 748-2319
Fax # (801) 748-2380

COTTONWOOD/WILBERG/DES BEE DOVE
ACT/015/019 AND ACT/015/017
4th QUARTER 1996

INTRODUCTION

The original Waste Rock Disposal Site is located on a 16 acre right-of-way from the BLM located approximately two miles from the Cottonwood/Wilberg mine site along the east side of State Road 57.

A new disposal site was constructed during the spring and summer of 1990 on an approved right-of-way from the BLM located west of State Road 57 and 1.75 miles south of the Cottonwood/Wilberg mine site. This facility is designed for 784,000 cubic yards of material and is planned to last for the life of the mines which it serves.

OPERATION

Refuse piles are leveled in lifts according to plan with trash and extraneous material sorted according to the permitted plan.

INSPECTION

The new waste storage site was inspected on December 18, 1996 for structural stability. Inspection of the operation of this facility is conducted on a continual basis. At the time of inspection, refuse covered approximately 70% of the active site. The current lift was being cleaned of trash and extraneous material at the time of inspection.

This area does not show any signs of instability or weakness. The small seep at the inlet to the sediment pond had a minimal amount of water flowing. Water seepage was occurring in the ditch leading to the pond.

Some of the rills on the south slope were repaired during the fourth quarter Also, the west inlet rip rap ditch was repaired back to original design.

The sediment pond and dam at the new site were inspected. No signs of instability or weakness were found. The discharge structure and emergency spillway were intact and operational according to design.

CERTIFICATION

I do hereby certify that the Cottonwood/Wilberg/Des Bee Dove Waste Rock Sites are constructed according to sound engineering practices, and I do also certify that there was no evidence of significant instability structural weakness, or other hazardous conditions at the time of this inspection.

John Christensen P.E. #165651