ACT/015/017 #6

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE			Page 1 of
Permit Number	ACT/015/017/ACT/015/019	**Report Date**	Dec. 16, 1999
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-09-01211-01	
Inspection Date	Dec. 14, 1999		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1999 Fourth 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 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 site was currently being leveled. The containment area in the North end of the site was partially filled with sediment from the Cottonwood north 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.

5. **Final grading and revegetation of fill.**

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

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 2 of

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

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

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 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 6,800.48 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 Nov. 1, 1999 was 9836 cubic yards. The useable area of the present lift should be approximately 90% once the level process is complete. Cottonwood North pond cleanings were placed in the containment area on the north end of the site.

Certification Statement

LICENSED PROFESSIONAL ENGINEER
JOHN CHRISTENSEN
No. 165651
[Cert. Stamp]
STATE OF UTAH

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. CONST. ENGINEER
(Full Name and Title)

Signature: John Christensen Date: 12/16/99

P.E. Number & State: 165651 UTAH

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

RECEIVED
DEC 20 1999
DIVISION OF OIL, GAS & MINING

December 16, 1999

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

Dear Ms. Grubaugh-Littig:

I am enclosing for submittal the 4th quarter 1999 Engineering Inspection Reports for Cottonwood/Wilberg and Des Bee Dove Waste Rock Site and 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.

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

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

AUGUST 26, 1999

Ms. Pamela Grubaugh-Littig
Permit Supervisor
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 1999 Engineering Inspection Reports for Cottonwood/Wilberg/Des Bee Dove old Waste Rock Site and the Deer Creek Elk Canyon/Original Site. The reports were inadvertingly left out of the July 21, 1999 submittal. The inspections were completed on the date indicated.

Sincerely,

John Christensen, P.E.
Sr. Construction Engineer

Encls.

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/ACT/015/019	**Report Date**	JUNE 21, 1999
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	JUNE 17, 1999		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1999 2ND 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 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.

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

Certification Statement

[Cert. 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. CONST. ENG.
(Full Name and Title)

Signature: John Christensen Date: 8/27/99

P.E. Number & State: 165651 Utah

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

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

Permit Number	ACT/015/017/ACT/015/019	**Report Date**	Sept. 28, 1999
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-09-01211-01	
Inspection Date	Sept. 22, 1999		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1999 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 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 lift was leveled in May. The active lift is approximately 65% capacity. The containment area in the North end of the site was partially cleaned and spread throught out the pile to make room for the North pond cleaning this took place in July. Some of the sediment from the Des-Bee-Dove pond cleaning remain in piles until the next berm construction.

5. **Final grading and revegetation of fill.**

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

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 2 of

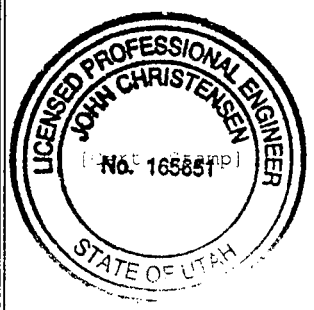
6. Appearances of instability, structural weakness, and other hazardous conditions.

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

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 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 6,800.10 ft. The final design elevation will be 6,850 ft. The entire site is approximately 35% capacity. The estimated volume hauled to the site year to date as of Sept. 1, 1999 was was 6535 cubic yards. The useable area of the present lift is approximately 65% 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, SR. CONST. ENG.
(Full Name and Title)

Signature: John Christensen Date: 9/28/99

P.E. Number & State: 165651, UTAH

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE			Page 1 of 3
Permit Number	ACT/015/0017/ACT/015/019	**Report Date**	SEPT. 28, 1999
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	9/24/99		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1999 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 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.

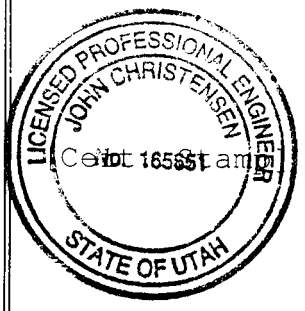
None observed.

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.

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. CONST. ENG.
(Full Name and Title)

Signature: John Christensen Date: 9/28/99

P.E. Number & State: 165651 UTAH

Original 015/019 #6
cc: Bill

1998 Annual Report Review

Permittee: PacifiCorp
Mine Name: Cottonwood/Wilberg
Permit Number: ACT/015/019
Date Report Received 4/30/99
Assigned Reviewers: Jim Smith, Bill Malencik, Susan White
S. DEMCZAK

Instructions: The assigned staff will review their respective portions of the Annual report and provide a written determination (findings) on how the Mine has or has not met the permit requirements for reporting. If the report is deficient or remedial action is required to obtain compliance, this should be noted and the inspector notified. Once all reviewers have completed the report, they should initial it and a copy will be filed in the Mine folder #6.

Assignments: **Inspectors:** Review cover sheet, AVS legal/financial, Mine sequence map
Hydrologists: Review water monitoring data, Precipitation and climatological data, Non-coal waste
Biologists: Review vegetation/revegetation success monitoring, Raptor survey
Engineers: Review subsidence monitoring data, Annual impoundment certification, Annual overburden, spoils, refuse, floor, etc.

Section to review	**Submitted** Yes	No	**Findings**
Cover sheet	X		
AVS; Legal/Financial Update	X		
Mine Sequence Map	X		
Water Monitoring Data	X		Reported manganese is not identified as total or dissolved. Iron reported for springs is not identified as total or dissolved. Manganese concentrations are not reported at all for 1998 samples from wells, in-mine, Rilda Cyn springs, and surface-water. A spot check of quarterly reports indicates that both total and dissolved iron and manganese data were collected.

Precipitation & Climatological Data	X ___	
Non-Coal Waste report	X ___	"Abandon Mine Equipment Support Information" is in Appendix E.
Subsidence monitoring data	X ___	Meets requirements
Annual Impoundment Certification	X ___	Certified by P.E.
Annual Overburden, Spoil, Refuse, Floor, etc.	X ___	Meets requirements
Vegetation data	X ___	Mostly qualitative observations on each interim revegetated site. Some quantative data on cover,shrub density and production.
Revegetation Success monitoring	___ X	Waste Rock site
Raptor survey	___ x	Verbal conversation with Dennis Oakley indicates Rator survey done but not submitted, on file with DWR.
Other information	___ ___	

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

April 29, 1999

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

Utah Coal Regulatory Program
Division of Oil, Gas and Mining
1594 West North Temple, Suite 121 0
Box 145801
Salt Lake City, Utah 84114-5801

Attention: Ms. Pamela Grubaugh-Littig

Re: Submittal of Annual Report for 1998, PacifiCorp, Trail Mountain Mine, ACT/015/009, Cottonwood Mine, ACT/015/019, Deer Creek Mine, ACT/015/018, Des-Bee-Dove, ACT/015/017, Emery County, Utah.

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company as mine operator, herewith submit the Annual Report for 1998.

Please find enclosed two copies each of all forms and activities of the above mines related to coal mining and reclamation monitoring during the 1998 year, including the Subsidence and Hydrologic reports.

If there are any questions or concerns please call Dennis Oakley at 687-4825.

Sincerely,

Charles A. Semborski
Geology/Environmental Supervisor

cc: Blake Webster
Carl Pollastro
Barbara Adams (File)

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RECEIVED
APR 30 1999
DIV. OF OIL, GAS & 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

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

April 13, 1999

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

ACT/015/018 #0
ACT/015/017 #4
ACT/015/099 #0

Dear Ms. Grubaugh-Littig:

I am enclosing for submittal the lst 1999 Engineering Inspection Reports for Cottonwood/Wilberg and Des Bee Dove Waste Rock Site and 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.

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
Permit Number	ACT/015/017/ACT/015/019	**Report Date**	April 12, 1999
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	March 31, 1999		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1999 First 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 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 70% capacity. The containment area in the North end of the site was full from recent pond cleanings. Some of 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.

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 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 6,800.6 ft. The final design elevation will be 6,850 ft. The entire site is approximately 35% capacity. The estimated volume hauled to the site year to date as of March 1, 1999 was was 2774 cubic yards. The useable area of the present lift is approximately 70% full of refuse piles. Cottonwood North pond cleanings were placed in the containment area on the north end of the site.

Certification Statement

LICENSED PROFESSIONAL ENGINEER JOHN CHRISTENSEN No. 165651 Seal Stamp STATE OF UTAH

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:** 4/15/99

P.E. Number & State: 165651 Utah

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE			Page 1 of 3
Permit Number	ACT/015/0017/ACT/015/019	**Report Date**	April 12, 1999
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	March 31, 1999		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1999 First 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 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.

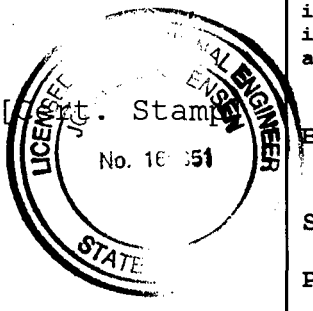
None observed.

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.

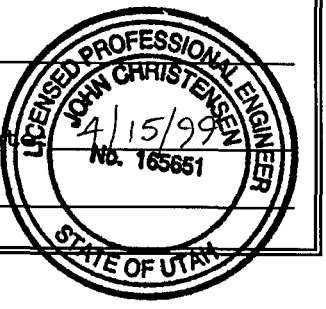


[illegible]. Stamp

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

Signature: John Christensen Date: 4/15/99

P.E. Number & State: 165651 Utah



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

January 28, 1999

ACT/015/018 #7
ACT/015/019 #7
ACT/015/009 #7
ACT/015/017 #7

Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, UT 84114-4870

Gentleman:

Enclosed are the monthly discharge reports for the Deer Creek, Des-Bee-Dove, Trail Mountain, and Wilberg mines and the Hunter Coal Preparation and Blending Facility for the month of November 1998.

Please be advised that the Deer Creek Mine, UPDES permit number UT0023604-001 and 002 exceeded effluent limitations on Total Suspended Solids (TSS) with a value of 29 mg/L and 27 mg/L respectively. Two samples were taken (8th and 15th) at each of the sites during the month of December. At site 001 TSS values are reported at 22 mg/L and 36 mg/L for each of the sampling days. The average for the month equates to 29 mg/L. At site 002, both samples are reported at 27 mg/L TSS. The lab analysis reports for the December 15th sampling day was not received until January 8, 1999, after the time which the discharge point could not be resampled.

Energy West contributes the exceeded TSS limitation at site 001 to low sediment pond conditions. The flow of the discharge was closed down to approximately 5 gpm to allow the pond to regain longer retention times. The problem at site 002 is still under investigation.

Dennis Oakley called Steve McNeal (Division of Water Quality) on the 4th and 8th of January and reported the exceedances for sites 001 and 002. If you have any questions concerning this report, please feel free to call Dennis Oakley at 687-4825 or Chuck Semborski at 687-4720.

Sincerely,

Carl Pollastro
Technical Services Manager

J:\PCCOMMON\Environmental\UPDES\COVER\Dec98.doc

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

Cc: Division of Oil, Gas and Mining, without Hunter reports
Coal Regulatory Program
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801
Chuck Semborski, with enclosures
Dennis Oakley, "
Tom Lloyd, "
Ken Fleck "
J. Blake Webster, without enclosures

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

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

January 11, 1999

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

Dear Ms. Grubaugh-Littig:

I am enclosing for submittal the 4th Quarter 1998 Engineering Inspection Reports for Cottonwood/Wilberg and Des Bee Dove Waste Rock Site and old Waste Rock Site. Also, the Deer Creek Waste Rock Site and Elk Canyon/Original Site are enclosed.

Sincerely,

John Christensen

John Christensen, P.E.
Sr. Construction Engineer

Encls.

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 #16			Page 1 of 3
Permit Number	ACT/015/0017/ACT/015/019	**Report Date**	January 11, 1999
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	December 31, 1998		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1998 Fourth 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 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.

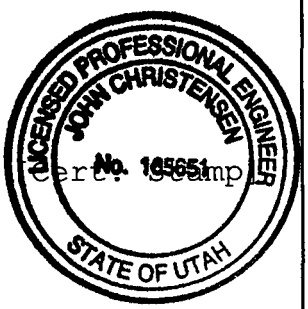
6. **Appearances of instability, structural weakness, and other hazardous conditions.**

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: 1/12/99

P.E. Number & State: 165651, UTAH

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE #4			Page 1 of
Permit Number	ACT/015/017/ACT/015/019	**Report Date**	January 11, 1999
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	December 31, 1998		
Inspected By	John Christensen/Rick Cullum		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	1998 Fourth 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 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 20% capacity. The containment area in the North end of the site was full from recent pond cleanings. Some of 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.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Page 2 of

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

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

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 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 6,800.6 ft. The final design elevation will be 6,850 ft. The entire site is approximately 35% capacity. The estimated volume hauled to the site year to date as of December 9, 1998 was was 9965 cubic yards. This excludes sediment from pond cleanings. The useable area of the present lift is approximately 20% full of refuse piles. Cottonwood North pond cleanings were placed in the containment area on the north end of the site.

Certification Statement

LICENSED PROFESSIONAL ENGINEER JOHN CHRISTENSEN [Cert. Stamp] No. 165651 STATE OF UTAH

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:** 1/12/99

P.E. Number & State: 165651 UTAH

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