

One Utah Center
201 South Main, Suite 2100
Salt Lake City, Utah 84140-0021
(801) 220-2000



January 6, 1994

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ms. Grubaugh-Littig:

Enclosed are the 1993 Annual Engineering Reports for the Sedimentation structures at the Deer Creek, Cottonwood, Trail Mountain and Des Bee Dove mines and the Cottonwood Exploration Site.

Sincerely,

Morgan Moon
Manager Technical Services

/dw
Enclosure

Route to Jess - Ken ✓



JAN 18 1994

DEPT OF
OIL, GAS & MINING

Then file
PUT COVER LETTER
& CERTIFICATION
WITH EACH.
file
015/009 # 6
015/017 # 6
015/018 # 6
015/019 # 6

File Act 1015/009 # 6
015/017 # 6
015/018 # 6
015/018 # 6

ENGINEERS STATEMENT:

I do hereby certify that the 1993 Annual Engineering Reports for the Sedimentation Structures for the Deer Creek, Cottonwood/Wilberg, Trail Mountain, Des Bee Dove Mines, and the Cottonwood Exploration Site are true and correct to the best of my knowledge and belief.



Steven E. Kochevar

Steven E. Kochevar
PE # 171933

**ANNUAL ENGINEERING REPORT
DES BEE DOVE SEDIMENT POND
1993**

ACT/015/017 #6

This report is submitted as required by Federal and State regulations:

**R645-301-514.300
30 CFR 77.216-4
30 CFR 817.49**

Design data:

Top of Dam Elevation	6775.00
Toe of Dam Elevation	6756.00
Spillway Crest Elevation	6771.80
Total Storage Capacity	19.80 ac.ft.
Sediment Storage Capacity	2.00 ac.ft.
Control Points	0+00 - 6775.20
	0+85 - 6775.00
	1+25 - 6775.20
	1+65 - 6775.40

Operational data:

	<u>ACCUMULATED SEDIMENT</u>	<u>WATER ELEVATION</u>	<u>CONTROL POINT ELEVATION</u>
1st Quarter 3-26-93	0.0	6756.30	No Change
2nd Quarter 6-22-93	0.0	6758.27	No Change
3rd Quarter 9-29-93	0.0	6756.67	No Change
4th Quarter 12-21-93	Frozen	6757.27	No Change

Inspection:

Visual inspections were made during each quarter, no stability problems or other concerns were found.

COTTONWOOD/WILBERG/DES BEE DOVE
ACT/015/019 AND ACT/015/017
4TH QUARTER 1993

*Route to Jess^{OK}
then file in #6
for both mines*

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

Sediment pond cleanout material from last summer (1992) is drying in a cell constructed for that purpose.

A cell in the SW corner of the site also has sediment pond cleanout material drying. This came from the north pond at Cottonwood Mine in April of 1993.

INSPECTION

The new waste storage site was inspected on December 28, 1993 for structural stability. Inspection of the operation of this facility is conducted on a continual basis. At the time of inspection, the facility was being leveled. Refuse covered approximately 30% of the active site.

Refuse berm out slopes have been seeded and mulched with curlex blanket. Excellent vegetative growth on the subsoil and topsoil piles. A small seep of less than 1/2 gpm was observed at the base of the bottom refuse berm. This area does not show any signs of instability or weakness.

The minor rills and sluffing that were noted in the 1st quarter report have not increased and appear to be stabilizing in those areas.

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. The pond was less than 10% full of water/ice with minor sediment accumulation.

The old waste storage site has undergone reclamation activity. Cell 7 is complete, final seeding has been completed.

CERTIFICATION

I do hereby certify that the Coltonwood/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.

A handwritten signature in black ink, appearing to read "Steven E. Kochevar", written over a horizontal line.

Steven E. Kochevar
P.E. 171933

Route to Geo then file JK #6
ACT/015/017

**COTTONWOOD/WILBERG/DES BEE DOVE
ACT/015/019 AND ACT/015/017
2ND QUARTER 1993**

Copy to
ACT/015/019 #6

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

Sediment pond cleanout material from last summer (1992) is drying in a cell constructed for that purpose.

A cell in the SW corner of the site also has sediment pond cleanout material drying. This came from the north pond at Cottonwood Mine in April of 1993.

INSPECTION

The new waste storage site was inspected on June 29, 1993 for structural stability. Inspection of the operation of this facility is conducted on a continual basis.

Refuse berm out slopes have been seeded and mulched with curlex blanket. Excellent vegetative growth on the subsoil and topsoil piles.

The minor rills and sluffing that were noted in the 1st quarter report have not increased and appear to be stabilizing in those areas.

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. The pond was less than 20% full of water with minor sediment accumulation.

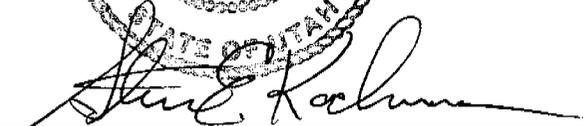
No water seeps observed.

The old waste storage site is undergoing reclamation activity. Ninety percent of the final reclamation is complete.

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.




Steven E. Kochevar
P.E. 7889



May 5, 1993

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180-1203

Re: PacifiCorp, 1992 Annual Hydrologic Reports, Des-Bee-Dove Mine ACT 015/017,
Deer Creek Mine ACT 015/018, Cottonwood/Wilberg Mine ACT 015/019, Trail
Mountain Mine ACT 015/009, Emery County, Utah

Dear Ms. Littig:

Transmitted herewith are 1992 Annual Hydrologic reports for the above referenced operations. Reports included are Hydrologic Monitoring - East Mountain (1 volume, 1 copy) and Trail Mountain (1 volume, 1 copy). If additional copies are required, we will be happy to provide them at your request.

The Trail Mountain Annual report submittal is consistent with the format utilized by Beaver Creek Coal Company. Data collected in 1993 will be submitted using the East Mountain format, i.e. historical water quality and quantity comparisons.

Very truly yours,

Val Payne
Senior Environmental Engineer

CS\sh\1756
Enclosure

cc: J. Blake Webster, without transmittal
Steve Kochevar, " "
Chuck Semborski, " "

Disk: Chuck\h2oannrp.593

ACT/015/017 #6
018 #6
019 #6
009 #6
RECEIVED
MAY 06 1993

DIVISION OF
OIL GAS & MINING

One Utah Center
201 South Main, Suite 2100
Salt Lake City, Utah 84140-0021
(801) 220-2000

File #6
Copy all four mines

RECEIVED

APR 15 1993

DIVISION OF
OIL GAS & MINING

PACIFICORP
POWER SUPPLY

March 30, 1993

Mr. Lowell P. Braxton
Associate Director, Mining
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: SUBMITTAL OF ANNUAL REPORT OF 1992, PACIFICORP, DES BEE DOVE MINE, ACT/015/017, DEER CREEK MINE, ACT/015/018, COTTONWOOD/WILBERG MINE, ACT/015/019, TRAIL MOUNTAIN MINE, ACT/015/009, EMERY COUNTY, UTAH

Dear Mr. Braxton:

Transmitted herewith please find one (1) copy of the Annual Reports for the above referenced PacifiCorp operations. The materials are organized as outlined in your request.

The information addressing Items A and B will not be completed until April 15, following final data analysis. Please allow a two (2) week extension of the deadline for submittal of this information.

If you have questions regarding this submittal, please call me at 653-2312.

Sincerely,



Val Payne
Sr. Environmental Engineer

VP/dw
Enclosure

cc: Steve Kochevar w/o enclosure
Blake Webster w/o enclosure
File