

**PACIFIC POWER • UTAH POWER**

324 South State  
P.O. Box 26128  
Salt Lake City, Utah 84126-0128

**PACIFICORP**  
ELECTRIC OPERATIONS GROUP

January 9, 1991

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 81480-1203

Dear Ms. Grubaugh-Littig:

I am enclosing for submittal the 4th Quarter 1990 Engineering Reports for Deer Creek, Cottonwood/Wilberg and Des Bee Dove Waste Rock Sites. Please find also, the 4th Quarter 1990 Report of the Deer Creek Elk Canyon Storage Pad submittal.

Sincerely,

*Guy Davis Sr*

J. Blake Webster  
Permitting Administrator

/do  
Enclosure

cc: Bart Hyita  
File

COTTONWOOD/WILBERG/DES BEE DOVE  
ACT/015/019 AND ACT/015/017  
4TH QUARTER 1990

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 will last for the life of the mines which it serves.

OPERATION

During the quarter, approximately 468 cubic yards of material from the Cottonwood operation was dumped in the original disposal site.

Also during this quarter approximately 1,224 cubic yards of waste material was dumped in the new facility west of State Road 57. A refuse berm was constructed and sampled according to the permit. The refuse piles were leveled and compacted during the quarter. Trash and extraneous material were removed during this time also.

INSPECTION

Both waste storage sites were inspected on December 20, 1990 for structural stability. Inspection of the operation of these facilities is conducted on a continual basis.

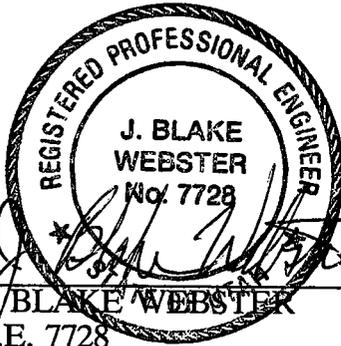
Tension cracks found in the perimeter berm of the original site, Cell #7, are still present but present no problems since the site has been filled with waste material. The cracks are on the inside slope and the backfill with the waste rock has stabilized the slope. No other signs of instability or weakness were found.

No signs of instability or weakness were found at the new storage facility.

The sediment pond and dam at the new site was 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 dry.

CERTIFICATION

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

  
\* *J. Blake Webster* 1/8/91  
\_\_\_\_\_  
J. BLAKE WEBSTER  
P.E. 7728

DEER CREEK  
ACT/015/018  
ELK CANYON STORAGE PAD  
4TH QUARTER 1990

INTRODUCTION

The Elk Canyon Storage Pad was modified in 1988 to provide additional storage space for run of mine coal. The fill structure was constructed of underground development waste and coal processing waste. An estimated 24,000 cubic yards of material were used to construct the fill pad.

OPERATION

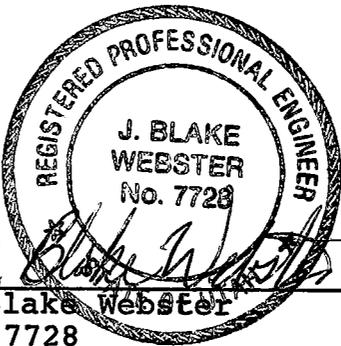
No additional material was added to the storage pad during the quarter. ROM coal was occasionally stored on the pad for short periods of time.

INSPECTION

During an inspection of the site on December 27, 1990, no tension fractures or other evidence of failure were observed. No evidence of structural weakness or other hazardous conditions were noticed.

CERTIFICATION

I do hereby certify that the Elk Canyon Storage Pad is constructed and maintained as designed and in accordance with the approved plan. I also certify that the facility shows no signs of instability, structural weakness or other hazardous conditions.

  
*J. Blake Webster* 1/8/91  
J. Blake Webster  
PE #7728

DEER CREEK  
ACT/015/018  
ORIGINAL WASTE ROCK DISPOSAL SITE  
4TH QUARTER 1990

INTRODUCTION

The original site is located on the northwest end of the material storage yard and now serves as an area for material storage. Its storage capacity is approximately 90,000 cubic yards.

OPERATION

This site is at it's capacity. No new waste rock material was added.

INSPECTION

During the inspection of the site on December 27, 1990, no evidence of fractures or instability were observed. The outslopes of the site were snow covered. The top berm was intact and functional.

DEER CREEK  
ACT/015/018  
WASTE ROCK DISPOSAL SITE  
4TH QUARTER

INTRODUCTION

This area for waste rock storage is located approximately 2.5 miles from the mine site in Huntington Canyon, more specifically in Sections 5 and 6, T17S, R8E, S1M. When complete the site will contain approximately 1.3 million cubic yards of waste rock.

OPERATION

During the quarter 7,546 cubic yards of waste rock material were dumped in this facility. The site was being leveled, with trash and extraneous material being sorted and removed from the site, during the date of inspection.

INSPECTION

Inspection of the facility for structural stability was performed December 27, 1990. Inspection of the operation of the facility was done on a continual basis.

The underdrain was not discharging at the time of the inspection.

The perimeter berm appears to be stable. Minor erosion was observed down the slopes in a few locations. This minor observance does not appear to effect the structural integrity of the berm.

The detention basin and spillway were also inspected for any signs of weakness or instability. The basin was dry at the time of inspection. No signs of instability or weakness were observed in or around the basin or spillway.

No signs of instability were found in any of the waste piles. The piles were being leveled and compacted according to the permit during the inspection.

**CERTIFICATION**

I do hereby certify that the waste rock sites for the Deer Creek Mine are constructed and maintained as designed and in accordance with the approved plan and Utah Coal Mining Rules. I do also certify that there is no evidence of instability, structural weakness, or other hazardous condition within the sites.



J. Blake Webster  
PE #7728

1-8-91