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March 31, 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 81480-1203

*File and/or Copy to  
ACT/015/017 #6  
ACT/015/018 #6  
ACT/005/019 #6*

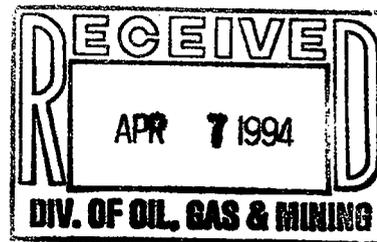
Dear Ms. Grubaugh-Littig:

I am enclosing for submittal the 1st Quarter 1994 Engineering Inspection Reports for Deer Creek, Cottonwood/Wilberg and Des Bee Dove Waste Rock Sites. Please find also, the 1st Quarter 1994 Report of the Deer Creek Elk Canyon Storage Pad submittal.

Sincerely,

A handwritten signature in cursive script that reads "Morgan Moon".

Morgan Moon  
Manager Technical Services



/kl  
Enclosure

cc: J. Blake Webster  
File

COTTONWOOD/WILBERG/DES BEE DOVE  
ACT/015/019 AND ACT/015/017 *Comp*  
1st QUARTER 1994

ACT/015/017 #6  
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

Both sediment pond cleanout material cells have dried and been incorporated into existing waste rock material.

A new cell has been established in the North end of the site for sediment pond cleaning during 2nd quarter of 1994.

INSPECTION

The new waste storage site was inspected on March 31, 1994 for structural stability. Inspection of the operation of this facility is conducted on a continual basis. At the time of inspection, the facility had just been leveled. Refuse covered approximately 10% of the active site.

A new 10 ft. high refuse berm has been constructed as specified in the permit. The small seep noted in last quarters inspection had minimal movement of water. This area does not show any signs of instability or weakness.

No new rills or sluffing were observed during this inspection.

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 5% full of water with minor sediment accumulation.

The old waste storage site has under gone reclamation and 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.



*John Christensen*  
\_\_\_\_\_  
John Christensen  
P.E. #165651

DEER CREEK #6 AC  
ACT/015/018  
ORIGINAL WASTE ROCK DISPOSAL SITE  
1st QUARTER 1994

INTRODUCTION

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

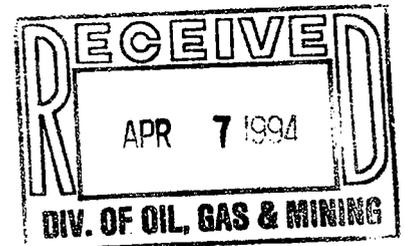
OPERATION

This site is at its capacity. No new waste rock material was added.

INSPECTION

During the inspection of the site on March 31, 1994 no evidence of fractures, slumps or instability were observed. The top berm was intact and functional. No rills or gullies. Some vegetation on the South and East slope.

A damp area was observed at the toe of the waste rock slope.



DEER CREEK #6  
ACT/015/018  
WASTE ROCK DISPOSAL SITE  
1st QUARTER 1994

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, SLM. When complete the site will contain approximately 1.3 million cubic yards of waste rock.

OPERATION

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

INSPECTION

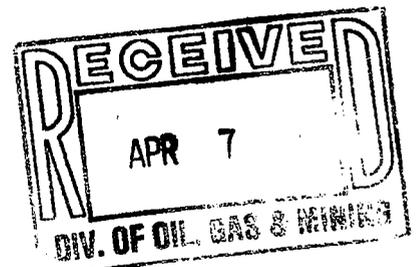
Inspection of the facility for structural stability was performed March 31, 1994. Inspection of the operation of the facility is done on a continual basis.

The underdrain was discharging at the time of the inspection with perceptible movement.

The perimeter berm appears to be stable. Minor erosion down the slopes in a few locations. Minor settlement fractures on outslope of west berm, also inslope at southwest corner berm.

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

The site had recently been leveled and refuse had been hauled in the east side covering approximately 10% of the active site.

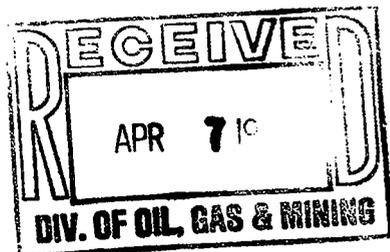


**CERTIFICATION**

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 conditions within the sites.



*John Christensen*  
\_\_\_\_\_  
John Christensen  
PE #165651



DEER CREEK  
ACT/015/018  
ELK CANYON STORAGE PAD  
1st QUARTER 1994

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

ROM coal was occasionally stored on the pad for short periods of time. About 100 tons of coal was being stored on the pad at the time of this inspection.

INSPECTION

During an inspection of the site on March 31, 1994, 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.



*John Christensen*  
John Christensen  
PE #165651