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ACT/015/018-93A #2

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PACIFICORP
POWER SUPPLY

February 22, 1993

RECEIVED
FEB 26 1993
DIVISION OF
OIL GAS & MINING

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

RE: PLACEMENT OF SNOW REMOVAL MATERIAL, PACIFICORP, DEER CREEK MINE, ACT/015/018-93A, EMERY COUNTY, UTAH

#2

Dear Ms. Grubaugh-Littig:

Per your letter dated February 12, 1993 and conversations with Ken Wyatt on February 19, 1993 please find enclosed Page 3-33, Volume 2 and Page 2-8, Volume 10 which have been revised (2/19/93) and Page 3-33.1, Volume 2 and Page 2-8.1, Volume 10 which have been added (2/19/93) to reflect technical changes reflected in your letter as follows:

1) *"Provide a specific location with a map showing where the snow would be placed in areas which drain into the sediment basin."*

As discussed with Ken Wyatt, due to the dynamics of the waste rock site, a site specific location for snow storage cannot be given as it may vary. However, Page 3-33, Volume 2 and Page 2-8, Volume 10 have been revised to state that the snow will be placed in a controlled manner so that it will drain into the sediment basin.

2) *"Maintain records which may be available to inspection staff showing the amount of snow hauled to the Waste Rock Site."*

Records will be maintained and made available to inspectors upon request of the amount of snow removed from the mine site and placed at the Waste Rock Site. Pages 3-33, Volume 2 and 2-8, Volume 10 have been revised to indicate this change.

3) *"Commit to notify the Division by the fastest available means if a potential discharge exists and a UPDES permit would be sought prior to any discharge."*

PacifiCorp commits to notifying the Division by the fastest available means if a potential discharge exists and to take appropriate action to avoid a discharge or receive permission for the discharge from the Division of Water Pollution Control.

If you have any questions, please feel free to contact Karl Houskeeper or myself at 653-2312.

Sincerely,

Val Payne

Val Payne
Sr. Environmental Engineer

Enclosures

cc: Morgan Moon
Steve Kochevar
Blake Webster

outside the office-bathhouse with spaces designated for 18 vehicles. The main parking lot in the mine yard has 110 designated parking spaces. In addition a 120′ x 70′ parking garage is adjacent to the belt. This steel frame structure has a concrete floor and aluminum siding and roofing.

Parking lots are cleared of snow and debris and resurfaced as needed. When snow removal from the mine site is necessary due to heavy snowfall and accumulation, it will be transported and stored at the Waste Rock Site in a controlled manner so that it will drain into the sediment basin. Records of the amount of snow removed and stockpiled will be maintained and made available upon request.

Drains are inspected and cleaned periodically to ensure proper drainage.

During reclamation, the parking garage will be dismantled. Steel parts will be salvaged or sold for scrap. Concrete floors, etc. will be broken up and used for course backfill. Asphalt of the parking lots will be broken up and used as coarse backfill during reclamation.

Mine Ventilation Fans - Deer Creek Mine is ventilated through a 150′ long, 20′ diameter, vertical shaft. A Joy Series 1000 Axivane Fan is anchored to a concrete foundation set in a cut-and -fill embankment. Mine exhaust is drawn through steel ducting and exhausted through an evase′. The fan motor is housed in a steel frame building.

Under normal operation, the fan is driven by a 1,000 hp

electric motor as the prime mover. Through a clutch arrangement, a Model D346 Caterpillar diesel engine is installed to provideback up for the electric motor. The electric motor and the diesel engine are installed in a motor house, separated from the mine ventilation fan and duct by a long shaft-type coupling.

is found this material will be segregated from the berm construction and not used as fill. It will be treated as spoil and placed on the bottom of the Deer Creek Waste Rock Storage Facility. (Refer to soil analysis data, Pages 7-2 through 7-3.1 and Map CM-10788-DR, Packet 7-2 for soil quality and soil stripping plans.)

D. UNDERGROUND DEVELOPMENT WASTE

The underground development waste generated during coal mining, sediments from the sediment pond and trommel rejects will be hauled to the site by truck and dumped. The composition of this material i.e. waste rock will be a mixture from the various sources. It is estimated that the coal rock ratio should be less than 50/50. As the material is spread and placed in the fill it will be thoroughly mixed helping to blend the materials. When the quantity of material dumped at the site needs to be leveled it will be spread, placed and compacted in 24" thick horizontal lifts. Large rock etc., will be worked into the fill to avoid forming voids. As the fill lifts are made the top working surface will be sloped to allow for drainage. Any acid or toxic forming materials will be buried in the fill with a least 4 foot of non-toxic cover material.

During the leveling process extraneous material, trash, and etc. will be separated from the fill material and disposed of in an approved sanitary landfill. (Refer to Chapter VII "Soil" for composition of the waste rock fill material.)

E. SNOW STORAGE

When snow removal from the mine site is necessary due to heavy snowfall and accumulation, it will be transported and stored at the waste rock site in a controlled manner so that it will drain into the sediment basin. Records of the amount of snow removed and stockpiled will be maintained and made available upon request.

SECTION IV OPERATIONAL MONITORING PLANS

A. UMC 784.13 (b) (7)

Any acid forming or toxic-forming materials encountered during construction will be hauled to the Deer Creek Waste Rock Storage Facility and buried by at least 4 feet of non-toxic or acid forming material. The vegetative material removed prior to topsoil removal will be broken up and used as mulch during interim reclamation. Any material left over will be disposed of in an approved sanitary landfill.

B. UMC 784.14 (a), (b)

Refer to Chapter VI - Hydrology.

C. UMC 784.16

The design of the facility has been prepared and certified under the direction of a qualified registered professional engineer. A preliminary hydrologic survey and a geological survey have been conducted for the area. (Refer to Chapter IV Engineering Designs: for certifications, refer to Chapter V Geology and Subsidence; Geotechnical Analysis and to Chapter VI "Hydrology": for hydrologic information.)