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067/034 #2

SC³ SOLDIER CREEK COAL CO.

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P.O. Box I
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March 15, 1990

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DIVISION OF
OIL, GAS & MINING

Mr. Daron R. Haddock
Permit Supervisor
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: Substation Construction, As-built Details
Soldier Creek Coal Company
Banning Loadout, ACT/007/034

Dear Mr. Haddock:

I have enclosed Drawing D224 which describes the as-built details of the new substation facility at Banning Loadout. This facility was constructed in accordance to the Soldier Creek Coal Company (SCCC) plans dated September 20, 1989 and October 13, 1989.

In order to direct drainage from the substation into the sediment pond, construction of an elevated pad was required. Material for the pad construction was salvaged from an area immediately south of sediment pond, where excess material from the pond construction had been stockpiled. Unfortunately, to facilitate drainage, the pad was constructed to such a height that the out-slope (2H:1V) extended beyond the previously approved permit boundary. Therefore, SCCC is requesting an incidental boundary change (IBC) as detailed on the enclosed drawing. Please note that SCCC is the surface owner of all property requested within the IBC.

In addition to the IBC, a small area drainage exemption for the area outside the immediate substation is requested. This area basically lies between the limits of disturbance and the existing drainage ditch as detailed on the enclosed drawing (approx. 0.9 acres). Several alternative sediment control methods have been provided to prevent the contribution of sediment to runoff outside the permit area. A description of these methods which have been implemented is as follows:

1. Drainage from the actual substation facility flows into the sedimentation pond. The constructed slope of the facility, as well as a berm installed on three sides insures proper

drainage. The complete site is also covered with two inch diameter gravel to further enhance sediment control.

2. The immediate outslope of the substation pad was constructed to have a maximum slope of 2H:1V. The surface has also been stabilized with a two inch diameter gravel covering.
3. All areas disturbed in conjunction with the substation construction (which were not covered with gravel), have been reseeded in accordance with the approved MRP. Straw mulch was also applied followed by traversing the surface with a cleated track dozer.
4. A retention basin was constructed south of the sedimentation pond. This basin collects drainage from approximately 0.38 acres and has a capacity of approximately 12,400 gallons.

The expected runoff volume from a design storm can be determined using the SCS runoff curve number technique (consistent with the methodology described within the approved MRP). Using the 10-yr, 24-hr precipitation depth of 1.78 inches and a curve number of 81 (cultivated land with conservation treatment, hydrologic soil group D), the direct runoff was calculated to be 0.47 inches. This results in a total design runoff volume 4,850 gallons which is only 39% of the basin capacity.

5. Reseeded areas which do not drain to the retention basin are located on extremely flat topography. A defined drainage system cannot be observed and it appears that any excess precipitation will pond within or adjacent to the disturbed sites.

Following Division approval of the requested IBC and small area drainage exemption, thirteen copies of the appropriate information shall be submitted for direct incorporation into the approved MRP.

Please contact me if you have any questions concerning this matter.

Sincerely,

SOLDIER CREEK COAL COMPANY



David G. Spillman
Mine Engineer

Enclosure

DGS/sm