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# UNC PLATEAU MINING

Subsidiary of United Nuclear Corporation  
A **UNC RESOURCES** Company

P.O. Drawer PMC  
Price, Utah 84501

Telephone 801/637-2875



March 20, 1980

Larry Damran  
Inspector No. 13  
Office of Surface Mining  
Brooks Towers  
1020 15th Street  
Denver CO 80202

Dear Larry:

Enclosed you will find a copy of our temporary sediment control plan. As I told you on the phone yesterday, we are currently working on the implementation of this plan.

If you have any questions or comments on this subject, please let me know.

Best regards,

Mark L. Adkins  
Geologist

MLA:ajc

cc: Joe Helfrich

Enclosures

P.S. We received the books today, Thanks.

TEMPORARY SEDIMENT CONTROL MEASURES

As a temporary measure, until the construction of permanent sedimentation control structures is completed, several sediment control methods will be implemented.

1. Straw filtration dams will be placed in at least two drainages. Initially, these dams shall be one bale high, two bales wide and long enough to extend across the bottom of the wash. This will prevent the dam from being by-passed. Where possible, the bales will probably be placed in a trench approximately 0.5 feet deep to reduce undercutting of the structure. The two rows of bales will be staggered to attempt maximum filtration. The bales will be secured by driving steel or roof bolts through them and into the ground. In addition, stones will be placed against the bales on both the upstream and downstream sides.
  - (a) To determine the effectiveness of the filtration dams, water samples will be taken both above and below the structure.
    - (1) The sampling will be done approximately once a week.
    - (2) The sample will be analyzed for each of the following:
      - (i) Total suspended solids (TSS)
      - (ii) pH
      - (iii) Total Iron
      - (iv) Manganese, total
  - (b) If the water analyses do not show that the dams are somewhat effective in reducing the TSS, some changes in the design will be implemented.
2. Every attempt will be made to clean and maintain the ditches and culverts on the property which will enable proper control of drainage, i.e., runoff will stay in the channels rather than flowing down the roads.
3. The "gravel pit" at the east end of the lower refuse pile will be used as a temporary settling basin. A ditch and berm will be used to channel runoff from the south side of the refuse-stockpile area which will also channel runoff into a filtration dam below the existing culvert and into the basin.
4. A straw dam will be constructed below the filter-cake pile and the water will be sampled as above.

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5. In addition to the above, small settling basins will be constructed adjacent to the truck load-out - this design and construction will be dependent upon the weather.