



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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April 5, 1984

Mr. Glenn H. Sides
U. S. Steel Mining Company, Inc.
P. O. Box AE
Paonia, Colorado 81428

RE: Technical Review of NOV
N84-2-1-2, #2 of 2
Wellington Coal Cleaning Plant
ACT/007/012, #7
Carbon County, Utah

Dear Mr. Sides:

After reviewing your current plan to alleviate the problems associated with the slurry pipeline, the Division still has certain areas of concern to address regarding the design.

The overall conceptual idea is innovative and looks as if it will serve the purpose for which it is intended. Although it is felt several modifications in design will help to improve the efficiency and cut the cost of installation and maintenance. It is assumed that all efforts have been exhausted by U. S. Steel with regard to correcting the source of the problem (i.e., modifying the pipe and/or pipe joint connections).

Each area of concern will be listed and then discussed individually.

1. Erosion of berms and embankments.
2. Replacement of silt fences with rock gabion structures.
3. Discussion of soil material used to construct berms and related structures.

Item #1

Due to the possibility of erosion of berms and related structures, it is the Division's recommendation to use riprap in areas of steep gradients or high velocities. Since most of the problems of pipeline leakage occurs during the colder winter months, construction and observation could occur this summer. Summer storms will hopefully be able to point out particular problem areas not attended to during construction. These areas can then be stabilized with riprap.

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Item #2

Enclosed is an article on the construction of rock gabion structures and their obvious successful use in other applications similar to what you have planned. It is felt that the integrity of the silt fences and downspouts may be questionable and possibly expensive to maintain. Rocks used in the construction of the gabions would be more easily obtained and possibly more cost effective in the long run. All questions about sizing and construction should be answered in the attachment.

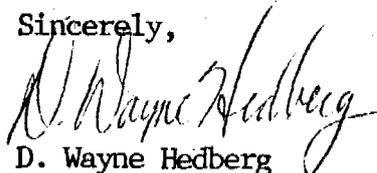
Item #3

A phone conversation between Barbara Filas and Sandy Pruitt on April 3, 1984 discussed the need to address the issue of salvageable topsoil in the construction borrow area. Basically, if the material is taken from a previously disturbed area, then no topsoil will have to be saved. If topsoil is present, at least the top six inches must be saved and protected.

This letter addresses the three main areas of concern and presents the Division's stand regarding this plan. A response to this letter must be returned to the Division no later than April 25, 1984.

Any questions or concerns should be addressed to D. Wayne Hedberg or Tom Munson of the Division staff.

Sincerely,



D. Wayne Hedberg
Reclamation Hydrologist/
Special Permits Supervisor

DWH/TM:btb

cc: Allen Klein, OSM, Denver
Jodie Merriman, OSM
J. Helfrich, DOGM
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