



## United States Department of the Interior

OFFICE OF SURFACE MINING  
Reclamation and Enforcement  
BROOKS TOWERS  
1020 15TH STREET  
DENVER, COLORADO 80202

FILE  
ACT/OIS/009

RECEIVED

NOV 12 1980

DIVISION OF  
OIL, GAS & MINING

4 NOV 1980

Mr. Thomas Suchoski  
Engineering Geologist  
Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Dear Tom:

In regard to our meeting with Trail Mountain Coal Company on October 22, 1980, it is my understanding that the following items are needed before the runoff control plan can be approved:

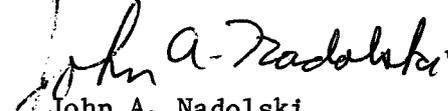
1. Runoff from undisturbed areas needs to be diverted away from the sedimentation pond. In order to reach this goal, a ditch along the highwall and a by-pass culvert is needed. The ditch along the highwall would divert runoff from the undisturbed area above the highwall into natural drainages north and south of the portal. A 48-inch culvert needs to be installed in the drainage north of the portal. Runoff from the area around the powder magazine can be treated with alternative erosion control methods (i.e., revegetation, straw filters, etc.).
2. Trail Mountain must demonstrate the adequacy of the size of the pond. Trail Mountain should take into account the fact that most of the runoff from undisturbed areas which formerly flowed into the pond is now to be diverted away from the pond.
3. Information is needed as to what controls Trail Mountain plans to install in order to control erosion at the inlets and outlets to the pond.
4. Trail Mountain needs to insure that the outslopes of the sedimentation pond will be stable through the peak runoff resulting from the 50-year 24-hour precipitation event. It is suggested that large riprap be installed on the outslope where it infringes on the 50-year flood plain.
5. Because the sedimentation pond has side slopes greater than slopes allowed by regulation, a stability analysis must be performed on the embankment. If the analysis shows that the embankment is stable (static safety factor of 1.5 or greater), then no reduction in slope will be necessary.
6. The berm on the east side of Cottonwood Creek must be maintained and stabilized. This is presently done through the use of some riprap and a revegetation program. If the water monitoring program or visual inspections shows that the creek is eroding the berm, additional controls may be necessary.

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All of these requirements can be performed on a short time basis this field season. If I can be of any further assistance, please call me.

I am also enclosing the copies of our regulations that you requested.

Sincerely,

  
John A. Nadolski  
Hydrologist

Enclosure

cc: Niebergal, Ferron Ranger District