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# State of Utah

DEPARTMENT OF NATURAL RESOURCES
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file

August 6, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Tom Munson, Sr. Reclamation Hydrologist TM

RE: Reclamation Success, Western States Minerals Corporation, J. B. King Mine, ACT/015/002, Folder #2, Emery County, Utah

## Synopsis

This memo reviews the reclamation success to date and provides an overview of the success or failure of erosion control at the J. B. King Mine site, based on the information provided.

## Analysis

The main area of concern currently is the west and southwest facing slopes of the reclaimed refuse pile. The rilling of this slope and other slopes at the site have been a constant problem for the operator in terms of overall maintenance. The use of silt fence and rock anchored straw is very much contingent on erosive flows from intense thunderstorms to provide functional erosion control.

After these structures fill in, they must be cleaned and repaired if necessary. The operator must be looking towards pertinent solutions to the erosion problem at the site. The phasing out of silt fences and providing permanent rock and straw structures, perhaps incorporating a fabric lining under the rock, would prevent undercutting in the long term.

No long-term goals are being established currently to phase out the maintenance items and incorporate more permanent solutions to the erosion control problem. The success of vegetation has proved to be limited in prevention of erosion and cannot be considered a long term solution unless drastic vegetative changes occur.

Recommendation

The operator should provide long term solutions to the phasing out of silt fences and incorporating permanent erosion control structures. A plan must be presented to the Division to show that the operator is working in this direction.

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