



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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October 6, 1995

E.M. Gerick, Vice President of Operations  
Western States Minerals Corporation  
250 South Rock Blvd., Suite 130  
Reno, Nevada 89502

Re: Approval of Reclamation Plan Changes Received August 3, 1995, Western States Minerals Corporation, J. B. King Mine, ACT/015/002-94C, Folder #3, Emery County, Utah

Dear Mr. Gerick:

The Division has completed the review of your permit change application received on August 3, 1995 which described the proposed and completed work for 1994 and the erosion control plan at the J. B. King mine. Your application is hereby approved for incorporation into the J. B. King Reclamation plan. Thank you for your cooperation during the permitting process.

While your erosion control monitoring program has been accepted, there still remain a few questions as to its implementation. Selection of the off site erosional transects that are comparable to on-site conditions is an item yet to be completed as part of the monitoring program. Selecting monitoring points which are comparable to the reclaimed site may be difficult due to soils, topography, and other physical attributes which differ greatly than those found on site. Also, the specific quantitative parameters which will be used to demonstrate that normal erosion rates have been achieved have not been specified in the plan. In order to have a valid comparison of on-site transects to off-site transects the following site conditions must be comparable: total cover, similar percentage of rock litter and similar vegetation type; watershed drainage area; soil characteristics and outcrops in the watershed; land form; aspect; precipitation characteristics; anthropogenic characteristics. Establishing specific quantitative parameters may best be evaluated after a few years of data have been collected. Approval of the erosion monitoring plan is therefore stipulated upon Western States: 1) conducting a complete review of all data collected after a two year period from which a quantitative standard will be established and; 2) selecting off site monitoring transects with the concurrence of the Division.

Please call me if you have any questions regarding this approval or the stipulations to the erosion monitoring plan.

Sincerely,

Daron R. Haddock  
Permit Supervisor

cc: P. Grubaugh-Littig  
S. White  
S. Falvey