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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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July 16, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor  
FROM: Susan M. White, Reclamation Biologist *SM White*  
RE: Technical Deficiencies, Western States Minerals, J. B. King Mine,  
ACT/015/002, Folder #2, Emery County, Utah

## Synopsis

The Permit Application Package (PAP) was reviewed as part of the Five-Year Permit Renewal Package. The PAP is deficient as noted below.

## Analysis

### R614-301-300 Biology-(SMW)

356.100 The current completely random sampling scheme for measuring cover and shrub density is unacceptable. The applicant must propose and include in the PAP a vegetative sampling plan which partitions the reseeded area into three to five sample areas with similar slope and aspect. A weighted method of averaging and analyzing the data should also be included in the sampling plan.

## Recommendations

The permit is technically deficient until the above mentioned item is revised in the PAP.

djh  
AT63/31