



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

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Michael O. Leavitt
Governor
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

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TO: File

THRU: Joe Helfrich, Permit Supervisor 

THRU: Daron Haddock, Permit Supervisor 

FROM: Paul Baker, Reclamation Biologist 

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

Western States Minerals Corporation has proposed making repairs to a diversion and an area adjacent to it. This is not being done as an amendment but is included in the abatement of violation N98-45-4-1. The permittee has proposed doing the work under the "highly erodible area" provisions of the husbandry practices in R645-301-357.360. The site would first be roughened using pocking techniques. Manure would be mixed into the soils prior to reseeding and harrowing.

The sequence shown in the proposal is not entirely clear. If manure was applied first, roughening would mix the manure into the soil. Then the area could be seeded. A rock mulch, similar to what was used on the refuse pile, should be applied, especially since this is being done to remediate a highly erodible area. The area should not need to be harrowed as this is likely to decrease roughness.

The proposal does not say how much manure would be used. The Division recommends applying it about three inches deep or at the rate of about 400 cubic yards per acre. In addition, the permittee should avoid horse manure since it may contain weed seeds. Composted cow manure is recommended.

The area to be treated is less than one acre or about 3% of the total disturbed area. The husbandry regulations allow up to 3% of an area to receive treatment as a highly erodible area for the first 60% of the extended responsibility period without lengthening the responsibility period. Therefore, the work proposed can be allowed without restarting the period of extended responsibility for vegetation establishment.