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William Paul Goranson, P.E.
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February 17, 2000

CERTIFIED MAIL Z 277 714 079
RETURN RECEIPT REQUESTED

Thomas Essig
Branch Chief
U.S. Nuclear Regulatory Commission
Uranium Recovery Branch
Division of Waste Management
Mail Stop T7J-8
Rockville MD 20850

**Subject: Corrective Action Program and Alternate Concentration Limits Petition for
Uppermost Bedrock Units
Ambrosia Lake
License No. SUA-1473, Docket No. 40-8905**

Dear Mr. Essig:

Please find attached to this letter, three (3) copies of Quivira Mining Co.'s (QMC) petition for Alternate Concentration Limits for the uppermost bedrock units located at the Ambrosia Lake Mill facility. In addition, an electronic version of this submittal is included on a CD-ROM.

With this petition, Quivira Mining Co. is requesting termination of the groundwater Corrective Action Program consisting of mine dewatering for the uppermost bedrock units. In addition, upon approval of this petition, an incorporation of Alternate Concentration Limits into the source material license in the form of an amendment. This petition has been prepared in a manner consistent with the Draft Standard Review Plan for the Review of a Reclamation Plan for Mill Tailings Sites under Title II of the Uranium Mill Tailings Control Act (NUREG-1620).

If you have any questions, please call me at (405) 858-4807.

Sincerely,

William Paul Goranson, P.E.
Manager, Radiation Safety, Regulatory
Compliance and Licensing

Enclosures

CC: U.S. Nuclear Regulatory Commission, Region IV
 Russell Edge, U.S. Dept. of Energy, Grand Junction Office
 Kurt Vollbrecht, New Mexico Env. Dept., Groundwater Pollution Prevention Section
 Marvin Freeman, QMC
 Terry Fletcher, QMC
 Peter Luthiger, QMC
 Russell Jones, Kerr-McGee

Amssor Public