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William Paul Goranson, P.E.
Manager, Radiation Safety
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June 11, 2001

CERTIFIED MAIL Z261 342 847
RETURN RECEIPT REQUESTED

Melvyn N. Leach
Acting Chief, Fuel Cycle Licensing Branch
C/O Document Control Desk
Division of Fuel Cycle Safety and Safeguards,
Office of Nuclear Materials Safety and Safeguards
U. S. Nuclear Regulatory Commission
11545 Rockville Pike
Two White Flint North
Rockville, MD 20852-2738

**Subject: Alternate Concentration Limits Petition for the Alluvial Materials
Ambrosia Lake Facility
License No. SUA-1473, Docket No. 40-8905**

Dear Mr. Leach:

Please find attached to this letter, two (2) copies of Quivira Mining Co.'s (QMC) petition for Alternate Concentration Limits for Alluvial Materials located at the Ambrosia Lake Mill facility.

With this petition, Quivira Mining Co. is requesting termination of the groundwater Corrective Action Program consisting of groundwater sweep using surface discharge treated minewater and collection using interceptor trenches. 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 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 (Certified Mail Z261342843)
Art Kleinrath, U.S. Dept. of Energy, Grand Junction Office
Kevin Myers, New Mexico Env. Dept., Groundwater Pollution Prevention Section
Marvin Freeman, QMC
Terry Fletcher, QMC
Russell Jones, Kerr-McGee

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