

**QUIVIRA MINING COMPANY**

POST OFFICE BOX 218 • GRANTS, NEW MEXICO 87020

November 30, 1996

Certified Mail  
Return Receipt Requested (P 268 360 581)

Mr. Joseph Holonich, Branch Chief  
Uraniura Recovery Branch  
Division of Low Level Waste Management  
and Decommissioning  
11555 Rockville Pike  
Rockville, MD 20850

Re: License No. SUA-1473  
Docket No. 40-8905

Dear Mr. Holonich:

Quivira Mining Company (Quivira) has completed the placement of the final radon barrier on tailings impoundments #1 and #2 at the Ambrosia Lake facility. Radon-222 emissions from the two impoundments were measured pursuant to 40 CFR Part 61, Appendix B, Method 115 as required by 10 CFR Part 40, Appendix A, Criterion 6(2).

The enclosed report contains the necessary information as required by Section 2.1.8 of Method 115. The average radon flux rates determined for the impoundments #1 and #2 are 1.33 and 1.19 pCi/m<sup>2</sup>-sec, respectively. The average radon flux rates are well below the established regulatory standard of 20 pCi/m<sup>2</sup>-sec.

Quivira is presently placing the approved erosion protection layer upon impoundment #1.

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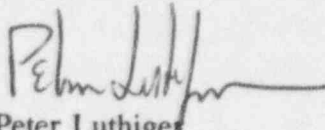
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Mr. Joseph Holonich  
November 30, 1996  
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Please contact me at (505) 287-8851, extension 205 if you have any questions regarding this submittal.

Regards,

QUIVIRA MINING COMPANY

A handwritten signature in black ink, appearing to read 'Peter Luthiger', with a long horizontal flourish extending to the right.

Peter Luthiger  
Supervisor, Radiation Safety  
and Environmental Affairs

Enclosure

xc: B. Ferdinand  
T. Fletcher  
M. Freeman  
R. Luke  
NRC (Arlington)  
file