



energy fuels nuclear, inc.

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40-6681

August 29, 1980

Region IV USNRC
Office of Inspection and Enforcement
611 Ryan Plaza Drive
Arlington, TX 76012

Director of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: White Mesa Uranium Mill License #SUA 1358

Dear Sir:

In compliance with 10CFR40(a)(1), the enclosed effluent report is presented. This report specifies the measured concentration of the principal radionuclides released to the unrestricted area during the period from January 1, 1980 to June 30, 1980. The report also estimates the semi-annual dose to the public resulting from the gaseous and particulate effluents.

If you have any questions please call.

Sincerely,

A handwritten signature in cursive script that reads 'Dean Roberts'.

Dean Roberts
Radiation Safety Officer

DR/jhl

cc: D.K. Sparling
C.E. Baker

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White Mesa Uranium Mill Effluent

<u>Gaseous and Particulate Effluent</u>		<u>Semi-annual Population Dose Rate Estimates in Man-Rem/1/2 Year</u>
U-Natural	8.26x10 ⁻¹⁶ uCi/ml	0.0005
Th-230	8.29x10 ⁻¹⁵ uCi/ml	0.0062
Ra-226	4.38x10 ⁻¹⁵ uCi/ml	0.0044
Rn-222	5.0 x10 ⁻¹⁶ uCi/ml	0.0000
Pb-210	1.45x10 ⁻¹⁴ uCi/ml	<u>0.5438</u>

Total semiannual dose rate
estimate for January 1, 1980
to July 1, 1980

0.5549 Man-Rem/1/2 Year