



energy fuels nuclear, inc.

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September 20, 1996

Mr. Joseph J. Holonich, Branch Chief
High Level Waste and Uranium Recovery
Projects Branch
Division of Waste Management
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
2 White Flint North, Mail Stop T-7J9
11545 Rockville Pike
Rockville, MD 20852

Re: Amendment Request to Process an Alternate Feed at White Mesa Uranium Mill
Source Material License SUA-1358
Docket No. 40-8681

Dear Mr. Holonich:

Energy Fuels Nuclear, Inc. ("EFN") hereby submits the attached request to amend Source Material License SUA-1358 to authorize receipt and processing of material described as uranium-bearing potassium diurate ($K_2U_2O_7$) in a solution of potassium hydroxide/potassium fluoride in water ("Material"). This Material will be shipped to the EFN White Mesa Mill ("the Mill") by Allied Signal, Inc. of Metropolis, Illinois ("Allied"). The processing of the Material will not increase the mill's production to exceed the License Condition No. 12 limit of 4,380 tons of U_3O_8 per calendar year. As production will remain within the limits assessed in the original Environmental Assessment, and as the process will be essentially unchanged, this amendment will result in no significant environmental impact beyond those originally evaluated.

Complete details are provided in the attached request to amend, which includes the following sections:

- 1.0 Material Composition and Volume
 - 1.1 Radiochemical Analysis
 - 1.2 Organic Analysis
 - 1.3 Regulatory Considerations

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- 2.0 Process
- 3.0 Safety Measures
 - 3.1 Control of Airborne Contamination
- 4.0 Certification

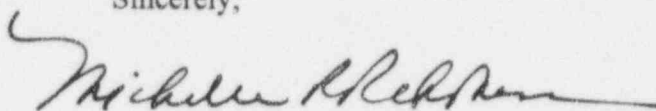
To ensure that all pertinent information is included in this submittal, the following guidelines were used in preparing this request to amend:

- EFN request to NRC for the Rhone-Poulenc alternate feed amendment
- NRC and State of Utah comments and requests for information relative to the EFN request for the Rhone-Poulenc alternate feed amendment.
- NRC Final Position and Guidance on the Use of Uranium Mill Feed Material Other Than Natural Ores (Federal Register Volume 60, No. 184, September 22, 1995).

We believe that use of these guidance materials, supported by our discussions with NRC, has allowed us to prepare a complete, concise submittal. Therefore, as we discussed in a conference call with our Project Manager, Jim Park, and Charlotte Abrams on September 9, EFN requests that NRC please attempt to reply to this request within 30 days.

I can be reached at (303) 899-5647.

Sincerely,



Michelle R. Rehmann
Environmental Manager

MRR/pl
Attachments

cc: Jim Park
Harold R. Roberts
William N. Deal
Ronald E. Berg
Rich A. Munson