

Docket No 40-8681

PDR

RETURN TO D. CRAWFORD
396 55



energy fuels nuclear, inc.

executive offices • suite 900 • three parkway • denver, colorado 80202 • (303) 623-8317

May 29, 1981

Mr. Dan Gillen
Division of Waste Management
U.S. Nuclear Regulatory Commission
7915 Eastern Avenue
Silver Spring, MD 20910

Re: Docket No. 40-8681, SUA-1358

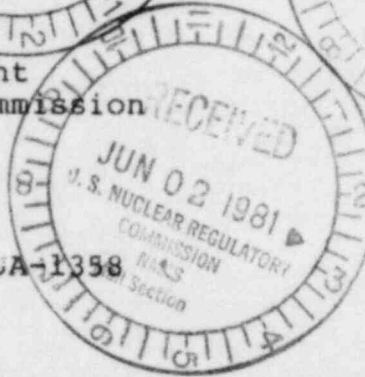
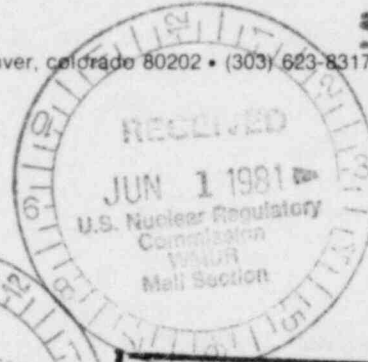
Dear Mr. Gillen:

Energy Fuels Nuclear hereby requests an amendment to the White Mesa Source Material License to allow expansion of the mill to process 3500 tons of ore per day and to produce 6.3 million pounds of yellowcake annually. Preparatory to requesting this amendment, the consulting firm of Impact, Ltd. was retained to provide a radiological and environmental impact assessment pertaining to the expanded mill situation. Impact basically took the approach of updating and revising portions of the Environmental Statement prepared by the NRC for the White Mesa project.

Ten copies of Impact's report are included herewith to support this request for amendment. In assessing the environmental and radiological impacts, operational monitoring data have been used, and the MILDOS computer code was used to assess radiological impacts and predict exposures to the surrounding population.

There will be no material changes in the process employed at the mill under the expanded condition. As such, approval of this amendment request should be expedited by the provisions of Amendment No. 6, pertaining to License Condition No. 14. As stated in Ross Scarano's letter which conveyed that license amendment, "the effect of this amendment is to allow flexibility in the exact type or number of pieces of process equipment used in your mill circuit provided that your basic mill circuit is as described in the submittal specified in Condition No. 14."

Expanding the mill will have obvious ramifications regarding storage of tailings. Two options are available. The existing tailings system can be extended to the south, or an additional location can be found nearby. However, the existing tailings management plan as now conceived is adequate for 7-8 years



Applicant
Check No.	22534
Amount/Fee Category	720,000.00 A
Type of Fee	major revision
Date Check Rec'd	6/18/81
Received By



storage at 3500 tons/day, after this year. Thus, it would not appear that tailings storage would become an issue until the time of license renewal.

Please advise us if additional information is required to support this amendment request, or if clarifications are desired. In addition, Impact is available to discuss their report with you, and both they and we are amenable to a meeting to discuss this amendment.

Sincerely yours,

C. E. Baker,
Licensing & Safety Director

CEB/jf

Encs.

xc: MDV, GEG, DKS, HRR, DLR

"LICENSE AMENDMENTS"

Docket No. 40-8681

10108
04008681A075

William O. Miller, License Fee Management Branch, ADM

MATERIALS LICENSE AMENDMENT CLASSIFICATION

Applicant: Energy Fuels Nuclear
License No: SUA 1358 Fee Category: 2A
Application Dated: 5-29-81 Received: 6-2-81
Applicant's Classification: _____

The above application for amendment has been reviewed by NMSS in accordance with §170.31 of part 170, and is classified as follows:

1. Safety and Environmental Amendments to Licenses in Fee Categories 1A through 1H, 2A, 2B, 2C, and 4A
 - (a) Major safety and environmental
 - (b) _____ Minor safety and environmental
 - (c) _____ Safety and environmental (Categories 1D through 1G only)
 - (d) _____ Administrative

2. Justification for reclassification: _____

3. The application was filed (a) _____ pursuant to written NRC request and the amendment is being issued for the convenience of the Commission, or (b) Other (State reason): _____
application filed at the request of the licensee (mill expansion)

Expansion of mill capacity

Signature Daniel M. Bell
Division of Fuel Cycle & Material Safety
Date 6-2-81

JUN 8 1981

DOCKET NO. 40-8681

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Energy Fuels Nuclear, Inc.
ATTN: Mr. C. E. Baker
Licensing & Safety Director
1515 Arapahoe
Denver, Colorado 80202

Gentlemen:

We received your letter dated May 29, 1981, concerning the proposed increase in yellowcake production of the White Mesa Uranium Mill.

Your request has been classified by the Licensing staff as requiring a major amendment to License SUA-1358. Therefore, a major safety and environmental amendment fee of \$20,800 is required, as specified in fee Category 2A of Section 170.31 of Part 170, copy enclosed. Payment should be made to the U.S. Nuclear Regulatory Commission and mailed to my attention. When submitting the fee, please refer to CONTROL NUMBER 1G108.

Please note Footnotes 1(d) and 4 of Section 170.31, which provide that upon completion of the licensing review, the Commission will review its expenditures for professional manpower and appropriate support services; recompute the amendment fee, and if necessary, make any refund.

Sincerely,

Original Signed By
J. D. Weiss

Douglas Weiss
License Fee Management Branch
Silver Spring Office
Office of Administration

Enclosure:
10 CFR 170

DUPE: 8LØ623Ø72Ø

OFFICE	LFMB:ADM	LFMB:ADM					
SURNAME	DWeiss:rej						
DATE	6/8/81						