



UNITED STATES
NUCLEAR REGULATORY COMMISSION
 WASHINGTON, D.C. 20555-0001

June 10, 1996

Mr. Ron Kucera, Director
 Intergovernmental Cooperation
 and State Liaison Office to the
 Nuclear Regulatory Commission
 State of Missouri
 Department of Nuclear Resources
 Office of the Director
 P. O. Box 176
 Jefferson City, MO 65102-0176

SUBJECT: ENRICHED URANIUM AT THE HEMATITE PLANT

Dear Mr. Kucera:

I am writing in response to your letter to Mr. Richard Bangart dated May 16, 1996, requesting U.S. Nuclear Regulatory Commission documents to determine when and in what amounts high enriched uranium (HEU) may have been processed at the Hematite plant. The Hematite facility ceased HEU storage and processing activities prior to 1974.

The processing activity, which you inquire about, was authorized under a license issued by the former Atomic Energy Commission which reorganized in 1974 into today's U.S. Department of Energy (DOE) and NRC agencies. The NRC no longer has records going back to the time period pertaining to HEU processing throughput quantities.

The DOE has established a Nuclear Material Management and Safeguards System (NMMSS) and is responsible for tracking all receipts and shipments of nuclear materials for both DOE and NRC licensed facilities. We have contact Mr. Garland Proco of NMMSS with respect to your request. He has informed us that he will personally contact you. In the event that he has not reached you, he may be contacted at (770) 662-8110, extension 14. Should you wish to write to NMMSS directly the address is as follows:

NAC International
 NMMSS Project
 ATTN: Document Control
 P.O. Box 922088
 Norcross, GA 30092

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Mr. Ron Kucera

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If you have any further questions on this matter, please contact Mr. Sean Soong of my staff on (301) 415-8155 or me at (301) 415-7251.

Sincerely,

Original signed by: SSoong for

Michael Tokar, Section Leader
Licensing Section 2
Licensing Branch
Division of Fuel Cycle Safety
and Safeguards, NMSS

Docket 70-36
License SNM-33

cc: R. Bangart, SP

Distribution

Docket 70-36
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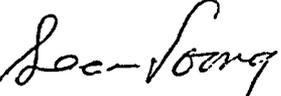
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Mr. Ron Kucera

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Sincerely,


for Michael Tokar, Section Leader
Licensing Section 2
Licensing Branch
Division of Fuel Cycle Safety
and Safeguards, NMSS

Docket 70-36
License SNM-33

cc: R. Bangart, SP

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Mel Carnahan, Governor • David A. Shorr, Director

OFFICE OF THE DIRECTOR

P.O. Box 176 Jefferson City, MO 65102-0176 (314)751-4422

FAX (314)751-7627

May 16, 1996

Mr. Richard Bangart, Director
Office of State Programs
Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Bangart:

I write to you for assistance in the matter of the uranium fuel fabrication plant located near Hematite, Missouri.

The two appended letters from the Mallinckrodt Nuclear Corporation and the Atomic Energy Commission provide clear evidence of an approval by the federal government for the use of 93% enriched uranium at Hematite plant. The Missouri Department of Natural Resources seeks to determine when and in what amounts such high enriched uranium may have been processed at the Hematite plant.

I am grateful for your prompt attention to this request.

Sincerely,

DEPARTMENT OF NATURAL RESOURCES



Ron Kucera, Director
Intergovernmental Cooperation

RK:jm

Enclosures

c: David Shorr, Director, Department of Natural Resources
John A. Young, Director, Division of Environmental Quality
Pamela Walker, Director, Division of Environmental Health and Epidemiology
Jim Williams, State Geologist and Director of Division of Geology and Land Survey



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UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON 25, D. C.

IN REPLY REFER TO:
L&R:JCD
70-36

Mallinckrodt Nuclear Corporation
Saint Louis 7, Missouri

Attention: E. D. North, Manager
Bematite Plant

Gentlemen:

As requested in your letter of October 27, 1959, you are hereby allocated two hundred (200) kilograms of uranium as UF_6 containing uranium enriched to about 93% in the U-235 isotope and one hundred (100) kilograms of uranium as UF_6 , the uranium containing up to 20% U-235.

For details regarding procurement prior to June 30, 1960, you should communicate with the Oak Ridge Operations Office, U. S. Atomic Energy Commission, P. O. Box E, Oak Ridge, Tennessee, Attention: Mrs. A. M. Corley.

Very truly yours,

J. C. Delaney
Chief, Nuclear Materials Section
Licensing Branch
Division of Licensing and Regulation

**MALLINCKRODT
NUCLEAR
CORPORATION**

SAINT LOUIS 7, MISSOURI • U.S.A. • CENTRAL : 8980

PLANT
HEMATITE, MISSOURI

October 27, 1959

Mr. Lyall Johnson
Chief, Licensing Branch
Division of Licensing & Regulation
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Mr. Johnson:

Re: Special Nuclear Material License SM-33

We request allocations as follows:

100 kg. uranium as uranium hexafluoride containing 93.15%
+ 0.15% U²³⁵

50 kg. uranium as uranium hexafluoride containing 19.8%
+ 0.15% U²³⁵

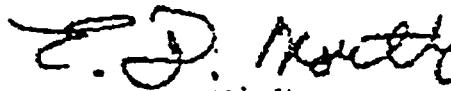
This material is needed to fill our third quarter requirements at our licensed Hematite, Missouri, facility. The material will be withdrawn from the AEC as required to maintain a supply at our Hematite Plant, and will be used for conversion to uranium metal, uranium dioxide, or other uranium compounds. It will be delivered only to properly licensed organizations.

In addition to the above allocations, we would like allocations in the same amounts and contents for our first quarter requirements for 1960. This material will be withdrawn in the same manner, used in the same manner, and delivered only to properly licensed organizations.

If additional information is required before these allocations can be granted, please do not hesitate to call us.

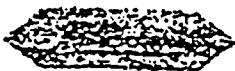
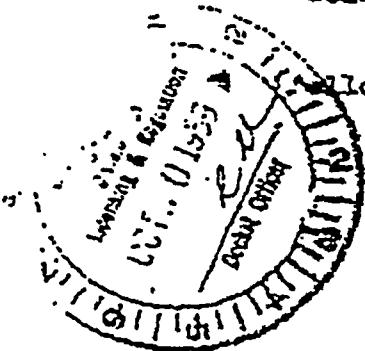
Very truly yours,

MALLINCKRODT NUCLEAR CORPORATION



E. D. North, Manager
Hematite Plant

EON/jr



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