

# MALLINCKRODT CHEMICAL WORKS

MANUFACTURERS OF  
FINE CHEMICALS FOR MEDICINAL, PHOTOGRAPHIC  
ANALYTICAL AND INDUSTRIAL PURPOSES

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CABLE ADDRESSES  
MALLINCKRODT ST. LOUIS  
DESABR DO NEW YORK  
CODES  
A B C FIFTH IMP  
A B C SIXTH ED  
BENTLEY'S COMPLETE PHRASE  
BENTLEY'S SECOND PHRASE

SECOND AND  
MALLINCKRODT STS ST. LOUIS, 7. MO.

*Mallinckrodt*  
FINE CHEMICALS  
Standard Since 1867

13 October 1958

Mr. Lyall Johnson  
Licensing Division  
U. S. Atomic Energy Commission  
Washington, D.C.

SUBJECT: Request for Allocation of Enriched Uranium - SNM-33

Dear Mr. Johnson:

This letter is a request for an allocation for special nuclear material to be processed in our Hematite Plant under our SNM-33 license. We are specifically requesting an allocation of 48.5 kg of uranium content as UF<sub>6</sub> with an assay of 19.8 ± .1 so that the material may be utilized in export trade.

Mallinckrodt anticipates converting this UF<sub>6</sub> to U metal for shipment to M & C Nuclear Corp., Attleboro, Mass., SNM-23, who will convert it to small pieces and M & C will in turn ship the final product to General Atomics, San Diego, California, SNM-69 who are the ultimate user of the material in question. General Atomics will receive 40 kg of U metal. The remaining quantity, which will consist of processing losses and scrap generated at both M & C Nuclear and Mallinckrodt, will be returned to Mallinckrodt for final processing.

*copy to INS*

We are anxious to start the processing of this material and request your early attention to this allocation request. If there is additional information required, do not hesitate to call upon us.

Very truly yours,

MALLINCKRODT CHEMICAL WORKS

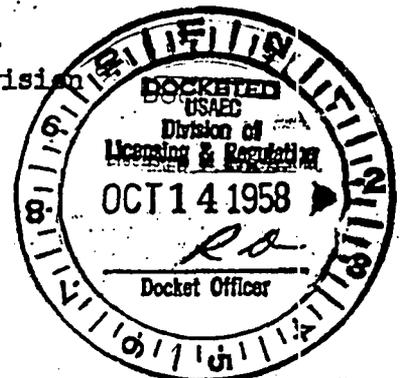
*W. M. Leaders*

W. M. Leaders  
Technical Director  
Special Metals Division

*E-95*

48.5  
19.9  
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43.65  
43.65  
48.5  
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4.85

WML:dj



4.65 - 19.8 ± 0.1

48.5 kg of U enriched to 19.8 ± .1 in U-235, as UF<sub>6</sub>