

70-36
CAL:JCD

OCT 28 1957

Mallinckrodt Chemical Works
Second and Mallinckrodt Streets
St. Louis 7, Missouri

Attention: Mr. Frederick M. Balmore
Special Assistant to the President

Gentlemen:

Enclosed is special nuclear material license SM-33, as amended.

Very truly yours,

Lyall Johnson
Chief, Licensing Branch
Division of Civilian Application

Enclosure:
SM-33, as amended

DISTRIBUTION:

CROO Attn: S.R.Sapirie w/encl.

NMMann INS w/encl.

DFMusser NMM "

JCRyan FIN (2) "

FRDowling PROD "

RLSouthwick IS "

JPTrevithick IA "

HSteele CAL LRL "

RJFrederick GAL "

SR Gustavson LEL
State health reg (license only)

Document room w/encl.
Formal file "
Suppl. file "
CA rf "
LB rf "

E-53

OFFICE	CAL	CAL		CA:HEB	IRG	FIN
SURNAME	D. DeLooney	L. Johnson		C. B. 3/10/57		K. Kellon
DATE	10-25-57	10-28-57				10/28/57

UNITED STATES
ATOMIC ENERGY COMMISSION

SPECIAL NUCLEAR MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 70, "Special Nuclear Material Regulations," a license is hereby issued authorizing the licensee to receive and possess the special nuclear material designated below; to use such special nuclear material for the purpose(s) and at the place(s) designated below; and to transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 70.32(a) of said regulations, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee		3. License No.
1. Name	Mallinckroft Chemical Works	SEM-33, as amended
2. Address	Second and Mallinckroft Streets St. Louis 7, Missouri	4. Expiration Date
		July 1, 1961
		5. Docket No.
		70-36
6. Special Nuclear Material	7. Maximum quantity of special nuclear material which licensee may possess at any one time under this license is limited to that which may be used in accordance with the procedures specified in Item 8 below.	
Uranium enriched in the U-235 isotope.		
8. Authorized use For preparation of uranium oxide and uranyl sulfate from U²³⁵ in accordance with procedures described in the licensee's application of May 15, 1956, with supplements of June 18, August 9, and August 21, 1956, and January 21, March 5, and October 21, 1957.		
9. Quantity of special nuclear material allocated to licensee pursuant to Section 70.31(b) of said part No special nuclear material is herein allocated.		

CONDITIONS

- 10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above. **Authorized place of use, the licensee's plant near Hematite, Missouri, as described in the licensee's application.**
- 11. **All transfers of uranium enriched in the U-235 isotope are to be made in accordance with the procedures described in the licensee's March 5, 1957 application.**

For the U. S. ATOMIC ENERGY COMMISSION

Date of issuance OCT 28 1957

Lyall Johnson
Chief, Licensing Branch