FORM NRC-7
(7-78)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

ACC

APPROVED BY GAO
B-180225(R0362)

APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT *(See Instructions on Reverse)*

1. APPLICANT'S USE →	a. DATE OF APPLICATION	b. APPLICANT'S REFERENCE	2. NRC USE →	a. LICENSE NO.	b. DOCKET NO.
	Mar. 16, 1979	D-2		XMAT0031	11000525

3. APPLICANT'S NAME AND ADDRESS	RIS	4. SUPPLIER'S NAME AND ADDRESS *(Complete if applicant is not supplier of material)*	RIS
a. NAME Sigma Chemical Company		Same #3	
b. STREET ADDRESS 3500 DeKalb St.		a. NAME	
c. CITY: St. Louis; STATE: MO; ZIP CODE: 63118		b. STREET ADDRESS	
d. TELEPHONE NUMBER *(Area Code – Number – Extension)* 314-771-5765 Ext. 202		c. CITY; STATE; ZIP CODE	

5. FIRST SHIPMENT SCHEDULED	6. FINAL SHIPMENT SCHEDULED	7. APPLICANT'S CONTRACTUAL DELIVERY DATE	8. PROPOSED LICENSE EXPIRATION DATE	9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. *(If Known)*
Est. - As soon as license issued	Est. - 2 yrs from license issue	Not Established	2 yrs from issue	N/A

10. ULTIMATE CONSIGNEE	RIS	11. ULTIMATE END USE *(Include plant or facility name)*
a. NAME Xerox Research Center of Canada		NMR Applications in Analytical Chemistry. See attached article.
b. STREET ADDRESS 2480 Dunwin Dr.		
c. CITY – STATE – COUNTRY Mississauga, Ontario L5L 1J9 Canada		11a. EST. DATE OF FIRST USE
12. INTERMEDIATE CONSIGNEE	RIS	13. INTERMEDIATE END USE
a. NAME J. McD Thompson, Customs Brokers		No usage. Customs broker.
b. STREET ADDRESS 48 Yonge St.		
c. CITY – STATE – COUNTRY Toronto, Ontario M5E 1N3 Canada		13a. EST. DATE OF FIRST USE
14. INTERMEDIATE CONSIGNEE	RIS	15. INTERMEDIATE END USE
a. NAME		
b. STREET ADDRESS		
c. CITY – STATE – COUNTRY		15a. EST. DATE OF FIRST USE

16. NRC USE	17. DESCRIPTION *(Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)*	18. MAX. ELEMENT WEIGHT	19. MAX. WT. %	20. MAX ISOTOPE WT.	21. UNIT
	Compounds containing Deuterium; application is for shipment of equivalent of 1000 gm of D_2O liquid over a 2 - yr period. See Attached.				

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22. COUNTRY OF ORIGIN-SOURCE MATERIAL	23. COUNTRY OF ORIGIN-SNM WHERE ENRICHED OR PRODUCED	24. COUNTRIES WHICH ATTACH SAFEGUARDS *(If Known)*
U.S.A.		Unknown

25. ADDITIONAL INFORMATION *(Use separate sheet if necessary)*

26. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information in this application is correct to the best of his/her knowledge.

27. AUTHORIZED OFFICIAL — a. SIGNATURE — b. TITLE VP — 3/16/79