

U.S. NUCLEAR REGULATORY COMMISSION
APPLICATION FOR LICENSE TO EXPORT NUCLEAR
MATERIAL AND EQUIPMENT (See Instructions on Reverse)

ACW

1. APPLICANT'S USE		a. DATE OF APPLICATION 4/28/81		b. APPLICANT'S REFERENCE D-76		2. NRC USE		a. DOCKET NO. 1100 2460		b. LICENSE NO. KMAT0179		
3. APPLICANT'S NAME AND ADDRESS a. NAME Sigma Chemical Company b. STREET ADDRESS 3500 DeKalb Street c. CITY St. Louis, MO STATE MO ZIP CODE 63118 d. TELEPHONE NUMBER (Area Code - Number - Extension) (314) 771-5765 ext. 202						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) RIS						
5. FIRST SHIPMENT SCHEDULED Est. as soon as license issued		6. FINAL SHIPMENT SCHEDULED Est. 2 yrs from license		7. APPLICANT'S CONTRACTUAL DELIVERY DATE Not established		3. PROPOSED LICENSE EXPIRATION DATE 2 yrs. from issue		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) N/A				
10. ULTIMATE CONSIGNEE a. NAME Cancer Control Agency of British Columbia b. STREET ADDRESS 2656 Heather St c. CITY - STATE - COUNTRY Vancouver B.C. V5Z 3J3 Canada				11. ULTIMATE END USE (Include plant or facility name) NMR Applications in Analytical Chemistry (see attached). 11a. EST. DATE OF FIRST USE								
12. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY				13. INTERMEDIATE END USE 13a. EST. DATE OF FIRST USE								
14. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY				15. INTERMEDIATE END USE 15a. EST. DATE OF FIRST USE								
15. NRC USE		17. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components) Compounds containing Deuterium; application is for shipment of equivalent of 5 kg of D ₂ O liquid over a 2-year period. See attached.						18. MAX. ELEMENT WEIGHT		19. MAX. WT. %	20. MAX. ISOTOPE WT.	21. UNIT
22. COUNTRY OF ORIGIN - SOURCE MATERIAL U.S.A.				23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED				24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known) Unknown				
25. ADDITIONAL INFORMATION (Use separate sheet if necessary) Copy to PDR and ACC 5-1-81 6R 7												
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.												
AUTHORIZED OFFICIAL						a. SIGNATURE <i>Walter C. Stern</i>			b. TITLE Walter C. Stern, V.P.			



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