


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

1. APPLICANT'S USE		a. DATE OF APPLICATION 10/20/80		b. APPLICANT'S REFERENCE D-56		2. NRC USE		a. DOCKET NO. 11002256		b. LICENSE NO. XMAT0149	
3. APPLICANT'S NAME AND ADDRESS						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material)					
a. NAME Sigma Chemical Company						a. NAME 1900 OCT 24 AM					
d. STREET ADDRESS 3500 DeKalb Street						b. STREET ADDRESS					
c. CITY St. Louis				STATE MO	ZIP CODE 63118	b. STREET ADDRESS					
g. TELEPHONE NUMBER (Area Code - Number - Extension) (314) 771-5765 Ext. 202						c. CITY				STATE L SFG 03	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						11. ULTIMATE END USE (Include plant or facility name)					
a. NAME Massey University						NMR Applications in Analytical Chemistry See attached.					
b. STREET ADDRESS											
c. CITY - STATE - COUNTRY Palmerston North New Zealand											
12. INTERMEDIATE CONSIGNEE						11a. EST. DATE OF FIRST USE					
a. NAME						13. INTERMEDIATE END USE					
b. STREET ADDRESS						13a. EST. DATE OF FIRST USE					
c. CITY - STATE - COUNTRY						15. INTERMEDIATE END USE					
14. INTERMEDIATE CONSIGNEE						15a. EST. DATE OF FIRST USE					
a. NAME						18. MAX. ELEMENT WEIGHT					
b. STREET ADDRESS						19. MAX. WT. %		20. MAX. ISOTOPE WT.		21. UNIT	
c. CITY - STATE - COUNTRY						17. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)					
16. NRC USE						Compounds containing Deuterium; application is for shipment of equivalent of 10 kg of D <sub>2</sub> O liquid over a 2 year period. See attached.					
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)											
<p>*Copy to PDR and ACC OCT 27 1980*</p> <p>*ORC*</p>											
25. 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			
								Walter C. Stern, V.P.			

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