

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

1. APPLICANT'S USE		a. DATE OF APPLICATION Jan. 7, 1981		b. APPLICANT'S REFERENCE MISC 360 80259/01		2. NRC USE		a. LICENSE NO. XSNM01777		b. DOCKET NO. 1100 2339	
3. APPLICANT'S NAME AND ADDRESS						4. SUPPLIER'S NAME AND ADDRESS <i>(Complete if applicant is not supplier of material)</i>					
a. NAME Transnuclear, Inc.						a. NAME National Bureau of Standards					
b. STREET ADDRESS One Skyline Place, 5205 Leesburg Pike						b. STREET ADDRESS Office of Standard Reference Material					
c. CITY Falls Church				STATE VA		ZIP CODE 22041		c. CITY Gaithersburg			
d. TELEPHONE NUMBER (Area Code - Number - Extension) (703) 820-2450				STATE MD		ZIP CODE 20760					
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)			
As soon as License issued				Same as item five		One year from date of issuance					
10. ULTIMATE CONSIGNEE						11. ULTIMATE END USE <i>(Include plant or facility name)</i>					
a. NAME MAX-Planck-Institute fur Chemie						will be used for isotopic standards for mass spectrometric analysis of uranium in geological materials. (see attached End use Statement)					
b. STREET ADDRESS Postfach 3060 D-6500 Mainz						11a. EST. DATE OF FIRST USE					
c. CITY - STATE - COUNTRY Federal Republic of Germany											
12. INTERMEDIATE CONSIGNEE						13. INTERMEDIATE END USE					
a. NAME Transnuklear GmbH						Intermediate consignee for transport purposes only					
b. STREET ADDRESS D-645 Hanau II, Postfach 110030						13a. EST. DATE OF FIRST USE					
c. CITY - STATE - COUNTRY West Germany											
14. INTERMEDIATE CONSIGNEE						15. INTERMEDIATE END USE					
a. NAME											
b. STREET ADDRESS											
c. CITY - STATE - COUNTRY						15a. EST. DATE OF FIRST USE					
16. NRC USE	17. DESCRIPTION <i>(Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)</i>					18. MAX. ELEMENT WEIGHT	19. MAX. WT. %	20. MAX. ISOTOPE WT.	21. UNIT		
	NBS Standard Reference Material Samples										
	- NBS - SRM - U - 970 (Enriched uranium oxide : U308) at a maximum of 97.663 percent U235)					1.0 grams	97.663	0.98 grams	grams		
	- NBS - SRM - U-500 (Enriched uranium oxide : U308) at a maximum of 49.696 percent U235)					1.0 grams	49.696	0.5 grams	grams		
22. COUNTRY OF ORIGIN - SOURCE MATERIAL			23. COUNTRY OF ORIGIN-SNM WHERE ENRICHED OR PRODUCED			24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)					
			United States			Euratom					
25. ADDITIONAL INFORMATION (Use separate sheet if necessary)											
810226 0586											
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		
									Assistant Director - Washington Oper		

MAX-PLANCK-INSTITUT FÜR CHEMIE  
(OTTO-HAHN-INSTITUT)

Albrecht W. Hofmann  
Geochemistry Division

Postfach 3060  
D 6500 Mainz  
F. R. Germany  
Telephone ( . . . 6131) 305 280  
Telex . . . 418 7674

Fransnuclear Inc.  
5205 Leesburg Pike  
Falls Church, Va 22041

U. S. A.

December 15, 1980

RE: Purchase Ordner No: Wt '8a 1101

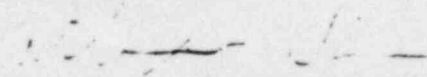
Gentlemen:

We would like to place an order, through your firm; for the following  
National Bureau of Standards - Standard Reference Materials:

NBS-SRM U-970 1 gram  
NBS-SRM U-500 1 gram.

We understand that because the above are "Special Nuclear Materials" we must obtain them through an export agent such as your firm. The following information may be useful in obtaining the necessary export license. The ultimate end use of this material will be as isotopic standards for mass spectrometric analysis of Uranium in geological materials. The standards will be made up as solutions and stored in a suitably secure area. Analysis of 1 microgram aliquots by thermal ionization mass spectrometry will be made intermittently. Estimated date of first use is May, 1981. Materials will be stored and used exclusively on the premises of Max-Planck-Institut für Chemie, 6500 Mainz 1, Federal Republic of Germany. The Institute is engaged solely in basic research in the physical sciences and the materials will be used solely for such purposes. We would, of course, be happy to supply any necessary additional information.

Sincerely Yours,

  
William M. White

POOR ORIGINAL