

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

ACC

1. APPLICANT'S USE		a. DATE OF APPLICATION February 29, 1980		b. APPLICANT'S REFERENCE Nuk 317, 80-033/01		2. NRC USE		a. LICENSE NO. XSNmo 1661		b. DOCKET NO. 1100 1066	
3. APPLICANT'S NAME AND ADDRESS a. NAME Transnuclear, Inc. b. STREET ADDRESS One Skyline Place, 5205 Leesburg Pike c. CITY Falls Church STATE VA ZIP CODE 22041 d. TELEPHONE NUMBER (Area Code - Number - Extension) 703-820-2450						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) RIS U.S.D.O.E. a. NAME c/o Goodvear Atomic Corp. b. STREET ADDRESS Route One c. CITY Piketon STATE OH ZIP CODE 45661					
5. FIRST SHIPMENT SCHEDULED as soon as license issued		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE To be determined		8. PROPOSED LICENSE EXPIRATION DATE One year from date of issuance		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) none assigned to date			
10. ULTIMATE CONSIGNEE a. NAME KFA-Kernforschungsanlage Juelich GmbH b. STREET ADDRESS Gesellschaft mit Geschrankter Haftung c. CITY - STATE - COUNTRY Postfach 3640, 7500 Karlsruhe 1, F.R.G.						11. ULTIMATE END USE (Include plant or facility name) -11.3 Kg U at 93.3 percent U235 will be used for the manufacture of fuel elements for the reactor FRJ-1 (MERLIN) at Kernforschungsanlage Julich GmbH (KFA) (continued Page 2) 11a. EST. DATE OF FIRST USE					
12. INTERMEDIATE CONSIGNEE a. NAME Nukem, GmbH, D-6450 Hanau, Fed. Rep. of Germany b. STREET ADDRESS and Hobeq mbH, D-6450 Hanau, Federal Republic c. CITY - STATE - COUNTRY of Germany						13. INTERMEDIATE END USE Nukem, GmbH, Federal Republic of Germany shall perform the conversion of 14.3 Kg U at 93.3 percent U235 as well as the manufacture of the fuel elements for the FRJ-1 Reactor (11.3 Kg U) (continued Page 2) 13a. EST. DATE OF FIRST USE					
14. INTERMEDIATE CONSIGNEE a. NAME Transnuclear, GmbH b. STREET ADDRESS 645 Hanau, Postfach 110030 Wolfgang-bei-Hanau Industriegelände c. CITY - STATE - COUNTRY Hessen, West Germany						15. INTERMEDIATE END USE Intermediate for transport purposes only 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
		Uranium in the form of uranium hexafluoride enriched to a maximum of 93.3 percent. *Copy to FDR and ACC -- 3-4-80 -- U.S. NRC				14.3 Kg U		93.38	13.342 Kg U235		Kgs
22. COUNTRY OF ORIGIN - SOURCE MATERIAL 1900 MAR 5			23. COUNTRY OF ORIGIN-SNM WHERE ENRICHED OR PRODUCED U.S.			24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known) EURATOM					
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 <i>[Signature]</i>				b. TITLE Asst. Mgr., Wash. Oper. Transnuclear, Inc.				

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APPLICATION FOR LICENSE TO EXPORT NUCLEAR
MATERIAL AND EQUIPMENT#11. ULTIMATE END USE (cont.)

-3.0 Kg U at 93.3 percent U235 will be used for the manufacture of irradiation-test-samples in the frame of "Phase II of the Project HBK, in irradiation experiments (Project High Temperature Reactor Fuel Cycle)". These irradiation test samples will be inserted into the following reactors:

- BR-2, Mol, Belgium
- HFR, Petten Netherlands
- R-2, Studsvik, Sweden
- FRJ-2, Julich, West Germany
- Siloe, Grenoble, France

(see attached End Use Statement)

#13 INTERMEDIATE END USE (cont.)

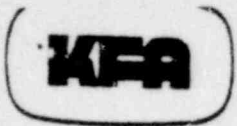
Hobeg GmbH, Federal Republic of Germany shall perform the manufacturing of the irradiation-test-samples (3.0 Kg U)

(see attached End Use Statement)

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EXPORT/IMPORT
LAURENCE SFORDS



To whom it may concern

End-Use-Statement

The undersigners certify that the quantity of

14,3 kgs of uranium (93.3 per cent U-235 enriched) in form of UF₆ and containing 13.342 kgs of U-235 which will be furnished to us under a Short-Term, Fixed-Commitment Contract with US-DOE will be used by us as follows:

- 11,3 kgs of u (93.3 per cent) shall be used for the manufacture of fuel elements for the reactor FRJ-1 (MERLIN) at Kernforschungsanlage Jülich GmbH (KFA)
- 3 kgs of u (93.3 per cent) shall be used for the manufacture of irradiation-test-samples in the frame of "Phase II of the Project HBK in irradiation experiments (Project High Temperature Reactor Fuel Cycle)". These irradiation-test-samples shall be inserted into the following reactors:
 - BR-2 at Mol, Belgium,
 - HFR at Petten, Netherlands,
 - R-2 at Studsvik, Sweden,
 - FRJ-2 at Jülich, Germany,
 - Siloe at Grenoble, France.

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NUKEM GmbH, D-6450 Hanau, Federal Republic of Germany shall perform the conversion work of the 14,3 kgs of u (93.3 % U-235) and the manufacturing of the fuel elements for the reactor FRJ-1.

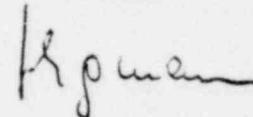
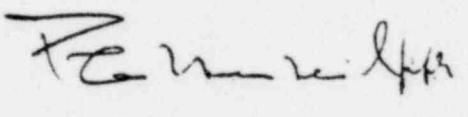
EXPORT/IMPORT
INTERNATIONAL SERVICES

HOBEG mbH, D-6450 Hanau, Federal Republic of Germany shall perform the manufacturing of the irradiation-test-samples.

We authorize Transnuclear Inc., Falls Church, Virginia/USA to apply for the export license.

Julich, February 12, 1980.

Kernforschungsanlage Jülich
Gesellschaft mit beschränkter Haftung



(Plattenteich)

(Wegmann)