

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

|   |  |   |  |   |  |  |  |   |  |                             |  |         |  |  |  |
|---|--|---|--|---|--|--|--|---|--|-----------------------------|--|---------|--|--|--|
| 1. APPLICANT'S USE  |  | 2. DATE OF APPLICATION<br>17 August 82  |  | 3. APPLICANT'S REFERENCE<br>RBU-411                         |  | 4. NRC USE   |  | 5. DOCKET NO.<br>11002936   |  | 6. LICENSE NO.<br>XSNM01982 |  |         |  |  |  |
| 7. APPLICANT'S NAME AND ADDRESS<br>a. NAME<br>Transnuclear, Inc.<br>b. STREET ADDRESS<br>One Skyline Place, 5205 Leesburg Pike<br>c. CITY<br>Falls Church<br>STATE<br>VA<br>ZIP CODE<br>22041<br>d. TELEPHONE NUMBER (Area Code - Number - Extension)<br>(703) 820-2450 |  |   |  |   |  | 8. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material)<br>RIS<br>U.S.D.O.E. c/o<br>a. NAME<br>Goodyear Atomic Corp., Route One,<br>b. STREET ADDRESS<br>Piketon, OH or Union Carbide Corp., K-25<br>c. CITY<br>Plant, Oak Ridge, TN<br>STATE<br>ZIP CODE |  |   |  |                             |  |         |  |  |  |
| 9. FIRST SHIPMENT SCHEDULED<br>May 1983   |  | 10. FINAL SHIPMENT SCHEDULED<br>--  |  | 11. APPLICANT'S CONTRACTUAL DELIVERY DATE<br>same as item 5 |  | 12. PROPOSED LICENSE EXPIRATION DATE<br>3 years from date of issuance  |  | 13. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (if known)<br>AT(49-14)UES/EU/20 |  |                             |  |         |  |  |  |
| 14. ULTIMATE CONSIGNEE<br>a. NAME<br>Kernkraftwerk Brunsbuettel, GmbH<br>b. STREET ADDRESS<br>Land Schlefwig/Holstein<br>c. CITY - STATE - COUNTRY<br>Federal Republic of Germany   |  |   |  |   |  | 15. ULTIMATE END USE (Include plant or facility name)<br>Will be used for conversion and manufacture of fuel elements for Reaktor Kernkraftwerk Brunsbuettel (see attached End Use Statement)<br>11a. EST. DATE OF FIRST USE   |  |   |  |                             |  |         |  |  |  |
| 16. INTERMEDIATE CONSIGNEE<br>a. NAME<br>Reaktor Brennelement Union, GmbH<br>b. STREET ADDRESS<br>P.O. Box 110060, D-4650<br>c. CITY - STATE - COUNTRY<br>Hanau II, West Germany  |  |   |  |   |  | 17. INTERMEDIATE END USE<br>For fabrication of fuel elements (see attached End Use Statement)<br>12a. EST. DATE OF FIRST USE<br>1982 AUG 17 PM 1 20  |  |   |  |                             |  |         |  |  |  |
| 18. INTERMEDIATE CONSIGNEE<br>a. NAME<br>Ledoux and Company<br>b. STREET ADDRESS<br>359 Alfred Avenue<br>c. CITY - STATE - COUNTRY<br>Teaneck, New Jersey, U.S.A.   |  |   |  |   |  | 19. INTERMEDIATE END USE<br>Shipper of record for sample quantity only<br>13a. EST. DATE OF FIRST USE  |  |   |  |                             |  |         |  |  |  |
| 20. NRC USE   |  | 21. DESCRIPTION (Include chemical and physical form of nuclear material, give dollar value of nuclear equipment and components) |  |   |  | 22. MAX. ELEMENT WEIGHT  |  | 23. MAX. WT. %  |  | 24. MAX. ISOTOPE WT. UNIT   |  |         |  |  |  |
|   |  | Uranium in the form of uranium hexafluoride enriched to a maximum 3.80 percent U-235  |  |   |  | 150,000.00 Kgs U   |  | 3.80  |  | 4,245,000 Kgs U-235         |  |         |  |  |  |
|   |  |   |  |   |  | 5.0 Kgs U (sample)   |  | 3.80  |  | 0.190 Kgs U-235 (sample)    |  |         |  |  |  |
| 25. COUNTRY OF ORIGIN - SOURCE MATERIAL   |  |   | 26. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED<br>U.S.A. |   |  | 27. COUNTRIES WHICH ATTACH SAFEGUARDS (if known)<br>EURATOM  |  |   |  |                             |  |         |  |  |  |
| 28. ADDITIONAL INFORMATION (List separate sheets if necessary)<br>See XSNM01393   |  |   |  |   |  |  |  |   |  |                             |  |         |  |  |  |
| 29. 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.   |  |   |  |   |  |  |  |   |  |                             |  |         |  |  |  |
| 30. AUTHORIZED OFFICIAL<br>8209230609 820819<br>PDR XPORT<br>XSNM-1982  |  |   |  | 31. SIGNATURE<br>Barbara [Signature]                        |  |  |  | 32. TITLE<br>Traffic Coordinator  |  |                             |  | 33. PDR |  |  |  |

To whom it may concern  
'end use-statement'

With reference to the AGREEMENT FOR FURNISHING URANIUM ENRICHMENT SERVICES UNDER THE AGREEMENT FOR COOPERATION (Requirements) signed 9 th day of February, 1971 by and between the UNITED STATES OF AMERICA as represented by the UNITED STATES ATOMIC ENERGY COMMISSION, and the EUROPEAN ATOMIC ENERGY COMMUNITY, as represented by its SUPPLY AGENCY, we hereby certify that the quantities of enriched uranium-hexafluorid

under contract AT (49-14) UES/EU/20  
will be used for the conversion of  $UF_6$  to  $UO_2$  and manufacture of fuel elements

of our reactor Kernkraftwerk Brunsbüttel  
as follows :

| year of delivery of product | annual quantity uranium U in $UF_6$ | max.enrichment         | quantity uranium U-235 |
|-----------------------------|-------------------------------------|------------------------|------------------------|
| 1983 through 1987           | up to 30,000 kgs U                  | up to 3,8 w/o enriched | 849 kgs U-235          |

Please note that the above mentioned annual quantity of uranium U-235 is calculated at an averaged enrichment of 2,83 w/o U-235.

We also hereby certify Transnuclear Inc., Falls Church/Va. as our agent in their application to transport and export special nuclear material to our company.

Please note that Ledoux & Company, New Jersey, should be listed as shipper of record on Transnuclear Inc's license to export only for the sample quantities of 5,0kgs U containing 0,190 kgs U-235 enriched to a maximum 3,8 percent.

Further note, that the intermediate consignee for the enriched  $UF_6$  will be

RBU Reaktor Brennelement Union GmbH  
P.O.Box 110060  
D-6450 Hanau 11/West Germany.

In the case of changes of the transport company or the company as shipper of samples, or the converter of  $UF_6$  to  $UO_2$ , or the facility for fabricating fuel elements, we will amend this end use statement and notify about the changed company or facility.

Hamburg, July 27, 1982

Kernkraftwerk Brunsbüttel GmbH

*[Handwritten signature]*  
: I. Brüdner