NRC FURM 250

(6-94)

THIS LICENSE EXPIRES 30 April 2003

United States of America

Nuclear Regulatory Commission

NRC LICENSE NO.

XSNM03171
Amendment No. 02
Page 1 of 2 (With Non-Public Appendix)

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued

LICENSEE

to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions berein.

Transnuclear, Inc.

Four Skyline Drive Hawthorne, NY 10532

Attn: M. George

ULTIMATE CONSIGNEE IN FOREIGN COUNTRY

Atomic Energy of Canada, Ltd. Chalk River Nuclear Laboratories Chalk River, Ontario Canada KOJ 1JO

(To be used in the fabrication of target material for the production of medical isotopes at the NRU Reactor)

INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY

NONE

OTHER PARTIES TO EXPORT

- 1. U.S. Department of Energy Oak Ridge, TN 37831
- 2. BWXT Y12 LLC Bear Creek Road Oak Ridge, TN 37830

(Suppliers)

APPLICANT'S REF. NO.

Ltr. Dtd. 2-26-02

COUNTRY OF ULTIMATE DESTINATION

Canada

QUANTITY

DESCRIPTION OF MATERIALS OR FACILITIES

The licensee is authorized to export 28.037 kilograms Uranium-235 contained in 30.05 kilograms uranium, enriched to 93.3 w/o maximum, in the form of metal pieces.

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Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

THIS HEENSE IS INVALID UNLESS SIGNED BELOW
BY AUTHORIZED NRC REPRESENTATIVE

Janice Dunn Lee, Director
Office of International Programs

DATE OF ISSUANCE June 10, 2002

EXPORT LICENSE

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DESCRIPTION OF MATERIALS OR FACILITIES:

The license is amended to: 1) increase the total quantity of material authorized for export from 20.05 kilograms uranium containing 18.707 kilograms Uranium-235 to 30.05 kilograms uranium containing 28.037 kilograms Uranium-235 enriched to 93.3 w/o maximum (an increase of 9.330 kilograms Uranium -235 and 10.0 kilograms uranium); and 2) extend the expiration date from 30 September 2002 to 30 April 2003.

Conditions 11 and 12 apply:

- Condition 11: The licensee is authorized to export immediately 5.0 kilograms of HEU metal for use at the NRU reactor. If it is subsequently determined that the remaining balance of 5.0 kg requested is needed, the licensee will notify the NRC at least 60 days in advance of the second shipping date. The notification would include information on the operational status of the NRU, the MAPLE Reactors and the New Processing Facility (NPF), as well as any other information that may be relevant to AECL's receipt of the material.
- Condition 12: If the material to be exported under this license is not protected in transit, while within U.S. jurisdiction, by the Department of Energy (DOE) Safe Secure Transport (SST) system in accordance with the DOE requirements and directives for the transport of such material, the licensee must comply with applicable 10 CFR Part 73 regulations on physical security measures with all enhancements and compensatory measures set forth in "Appendix A to NRC Export License XSNM03171 Amendment 02". The NRC classifies the information contained in Appendix A as "sensitive" and will not release it to the public. Thus, the licensee is permitted to share the information in Appendix A only with persons directly involved in executing the HEU export to Canada. Accordingly all such persons must be instructed not to release any of the Appendix A information publicly.