

TRANSNUCLEAR, INC.



June 19, 1979

XSNM01483

Mr. N. Moore
Nuclear Regulatory Commission
Office of International Programs
7735 Old Georgetown Road
Bethesda, Maryland 20014

Re: Export License Application Number XSNM-1483
TN Ref: 79-102/01 (NUK-274)

Dear Mr. Moore:

Enclosed is an amended End Use Statement for your handling on the following material:

45.113 Kg U containing 12.932 Kg U235
enriched to a maximum of 45.4 percent
U235.

Thanking you in advance for your help and cooperation.

Sincerely,

Vicki Matson
Assistant Manager - Washington Operations

Enclosure: Amended E.U.S.

VM/lr

CC: Mr. J. Marchal
EURATOM
2100 M Street, N.W.
Washington, D.C. 20037

EXPORT/IMPORT
AND
INTERNATIONAL SFGRDS

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To whom it may concern

END USE STATEMENT

The undersigned certify that the following material, i.e.

- a) 15.038 kgs of uranium (45.40 per cent U-235 enriched) in the form of UF_6 and containing 6.827 kgs of U-235
- b) 30.075 kgs of uranium (20.30 per cent U-235 enriched) in the form of UF_6 and containing 6.105 kgs of U-235

shall be used for the development and fabrication of high density fuels to be used in a first set of prototype fuel elements (of type MTR). It is foreseen that almost all of the following Research and Test Reactors will receive such elements in order to test their possibilities using fuels with reduced U-235 enrichments. At present it is not quite sure how many prototype fuel elements or only prototype fuel plates will be used in a joint test. This differs between one and ten units per reactor. The U-235 contents per fuel element is between 150 and 500 grams.

Reactors involved:

reactor facility:	location:	Country:
Democritos	Athens	Greece
Astra	Seibersdorf	Austria
Saphir	Würenlingen	Switzerland
R-2	Studsvik	Sweden
DR-3	Risoe	Denmark
HFR	Petten	Netherlands
RV-1	Caracas	Venezuela
IEAR-1	Sao Paulo	Brazil
FRJ-1	Jülich	West Germany
FRG-2	Geesthacht	West Germany
FRMB	Braunschweig	West Germany

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Vorsitzender des Aufsichtsrates: Werner Rinke

Sitz: Hanau
 Amtsgericht Hanau
 41 HRB 1002

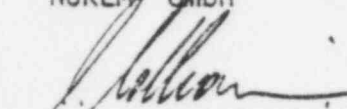
Geschäftsführung:
 Karl-Gerhard Hackstein
 Peter Jelinek-Fink
 Manfred Stegmann


Some of these above mentioned facilities will use 45 per cent enriched uranium, others 20 per cent.

Besides this, NUKEM itself shall use a portion of the materials under a) and b) for own R & D program, i.e. to fabricate fuel plates with fuels of a very high density to be tested in different reactors including Oak Ridge Research Reactor (ORR).

NUKEM, GmbH

date, June 12, 1979


(C. Colhoun)


(H. Müller)