

NRC FORM 7

(8-2010)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: 08/31/2012

**APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, OR RENEWAL**

(See Instructions on Pages 4 and 5)

Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

PART A. FOR NRC USE ONLY☒ PUBLIC OR ☐ NON-PUBLIC

DATE RECEIVED

7-16-12

LICENSE NUMBER

XSNM3722

DOCKET NUMBER

11006019

ADAMS ACCESSION NUMBER

PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

1. NAME AND ADDRESS OF APPLICANT/LICENSEE

Transnuclear Inc
7135 Minstrel Way, Suite 300
Columbia, MD 21045

1a. NAME OF APPLICANT'S CONTACT

Michael Valenzano

1b. APPLICANT'S REFERENCE NUMBER

21221-TNI-004

1c. PHONE NUMBER

(410) 910-6951

1d. FAX NUMBER

(410) 910-6902

1e. E-MAIL ADDRESS

michael.valenzano@areva.com

2. TYPE OF ACTION REQUESTED (Check One)

☒ EXPORT
(Parts B, C, E)☐ IMPORT
(Parts B, D, E)☐ AMENDMENT/RENEWAL
Existing License Number: _____

3. CONTRACT NUMBER(S)

NNSA-SC12-Y12-0510

4. FIRST SHIPMENT DATE

11/01/2012

5. LAST SHIPMENT DATE

06/30/2015

6. PROPOSED EXPIRATION DATE

12/31/2015

PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

7. NAME(S) / ADDRESS(ES) OF SUPPLIERS
AND/OR OTHER PARTIES TO THE EXPORT

US Department of Energy
National Nuclear Security
Administration (NNSA) Y-12 National
Security Complex
301 Bear Creek Road
Oak Ridge, TN 37831
USA (Supplier)

8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE
FOREIGN CONSIGNEE(S)

AREVA CERCA
Usine des Bérauds
26104 Romans sur Isère
France

9. NAME(S) / ADDRESS(ES) OF ULTIMATE
FOREIGN CONSIGNEE(S)

NRG/HFR
Nuclear Research and Consultancy
Group, NRG
Westerduingweg 3
NL-1755 ZG Petten
The Netherlands

7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED

Uranium Supply

8a. INTERMEDIATE USE(S)

(see page 3)

9a. ULTIMATE END USE(S)

(see page 3)

10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES,
NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR
NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF
EQUIPMENT FOR EXPORT

Uranium enriched to 19.95% maximum in solid form to
be used either as fuel elements for HFR reactor in Petten
or targets to be irradiated in European research
reactors to produce Mo99.

10a. MAX TOTAL VOLUME /
ELEMENT WGT (KG), OR
TOTAL ACTIVITY (TBq)

735 kg of Uranium

10b. MAX ENRICHMENT
OR WGT %

19.95% or less

10c. MAX ISOTOPE
WGT (KG)147 kg or less of
U-235

11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

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JUL 16 2012

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APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER XSNM3722	DOCKET NUMBER 11006019	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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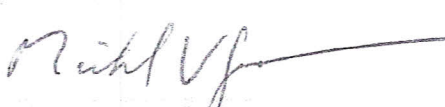
PART D. TO BE COMPLETED FOR IMPORT LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)	14. NAME(S) / ADDRESS(ES) OF ULTIMATE U. S. CONSIGNEE(S)
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)
	13b. INTERMEDIATE USE(S)	14b. ULTIMATE END USE(S)
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES	15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)	15b. MAX ENRICHMENT OR WGT %
		15c. MAX ISOTOPE WGT (KG)

16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS

17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18. CERTIFICATION: I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.	
18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL Michael Valenzano Director, Transportation Logistics	18b. SIGNATURE -- AUTHORIZED OFFICIAL 
18c. DATE <div style="text-align: right; font-size: 1.5em;">7/12/12</div>	

Rec'd
 JUL 16 2012

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PUBLIC

OR



NON-PUBLIC

ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Section 7:**B & W Y-12 LLC (DOE/NNSA Contractor)****Y-12 National Security Complex****301 Bear Creek Road****Oak Ridge, TN 37831****AREVA TN International (Transport supplier)****1, rue des Herons****78180 Montigny-le-Bretonneux****France****Section 8:****High Flux Reactor (HFR) (Target Irradiation)****Westerduinweg 3****1755 LE Petten****The Netherlands****BR-2 Reactor (Target Irradiation)****Boeretang 200****B-2400 Mol****Belgium****Maria Reactor (Target Irradiation)****05-400 Otwock-Świerk****Poland****Section 8a:**

AREVA CERCA will fabricate reactor fuel and LEU targets. To support conversion from HEU targets for Mo-99 production, a Mo-99 production process utilizing LEU targets is being developed, tested and qualified using LEU provided separately. After the process is tested and qualified, the LEU exported by Y-12 under this license will be utilized to fabricate LEU targets for Mo-99 production.

LEU targets will be irradiated in the High Flux Reactor (Petten, The Netherlands), BR-2 Reactor (Mol, Belgium), and Maria Reactor (Otwock-Świerk, Poland).

Section 9:**Covidien Molybdenum Production Facility (Mo-99 Production)****Westerduinweg 3****1755 LE Petten****The Netherlands****Section 9a:****Reactor fuel will be loaded into the HFR reactor.****LEU targets will be processed at Covidien for Mo-99 production.**

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July 12, 2012

US Nuclear Regulatory Commission
Mailstop O4-E21
11555 Rockville Pike
Rockville, MD 20852

Attention of Deputy Director Office of International Programs

Enclosed is the revised XSNM3722 application for a new export license related to low enriched uranium to be shipped from the US Department of Energy Y-12 site in Oak Ridge, TN.

We remain at your disposal for any information you may require.

Regards,

A handwritten signature in blue ink, appearing to read 'Michael V.', followed by a long horizontal stroke.

Michael Valenzano
Director, Transportation

Electronic Copy:
Janice Owens
Lauren Mayros

Enclosures:
1 NRC Form 7 Application

TRANSNUCLEAR INC.

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www.transnuclear.com

FWB

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