

NRC FORM 7
(11-2012)
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: (11/30/2016)

**APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, RENEWAL,
OR CONSENT REQUEST(S)**
(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 Information 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	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC	DATE RECEIVED FEB 28 2013 JC
LICENSE NUMBER XSNM 3708/01	DOCKET NUMBER 11005974	ADAMS ACCESSION NUMBER

PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS
(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 U. S. Department of Energy Y-12 National Security Complex 301 Bear Creek Road Oak Ridge, TN 37831	1a. NAME OF APPLICANT'S CONTACT Becky G. Eddy	1b. APPLICANT'S REFERENCE NUMBER NRG-EU12-R
	1c. PHONE NUMBER (865) 576-4119	1d. FAX NUMBER (865) 574-0492
	1e. E-MAIL ADDRESS becky.eddy@npo.doe.gov	
2. TYPE OF ACTION REQUESTED (Check One)		
<input type="checkbox"/> EXPORT (Parts B, C, E) <input type="checkbox"/> IMPORT (Parts B, D, E) <input checked="" type="checkbox"/> AMENDMENT/RENEWAL (Current License Number: XSNM-3708) <input type="checkbox"/> CONSENT REQUEST (Parts B, C) (Current License Number:)		
3. CONTRACT NUMBER(S) NNSASCI1Y120922	4. FIRST SHIPMENT DATE 06/01/2012	5. LAST SHIPMENT DATE 09/30/2012
6. PROPOSED EXPIRATION DATE 12/31/2013		

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 DOE NNSA Y-12 National Security Complex 301 Bear Creek Road Oak Ridge, TN 37831	8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) CERCA Areva Romans Les Berauds - BP-1114 26104 Romans sur Isere France	9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Nuclear Research and Consultancy Group Westerduinweg 3, 1755 LE Petten, NL-1755 ZG Petten Netherlands	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED Supplier/Transportation	8a. INTERMEDIATE USE(S) Target Fabrication	9a. ULTIMATE END USE(S) Mo-99 Production	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT 9.3 kg uranium-235 contained in maximum of 10 kg uranium, enriched to maximum of 93.35%, in the form of broken metal.	10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 10	10b. MAX ENRICHMENT OR WGT % 93.35 %	10c. MAX ISOTOPE WGT (KG) 9.3
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) 100% US obligation			

APPROVED FOR PUBLIC RELEASE

This document has been approved for release to the public by

SCOTT A. HAWKES *[Signature]* 2/25/13
NPOY-12 Site Office Classification Officer Date

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U. S. NUCLEAR REGULATORY COMMISSION

**APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)**

LICENSE NUMBER XSNM 3708/01	DOCKET NUMBER 1100 5974	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, RENEWALS OR CONSENT REQUEST(S)

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 Becky G. Eddy DOE NNSA Production Office/Y-12 Program Manager	18b. SIGNATURE - AUTHORIZED OFFICIAL 
18c. DATE 2/25/2013	

FEB 28 2013
JC

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U. S. NUCLEAR REGULATORY COMMISSION

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

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

Page 1, Block 7 and 7a. Other parties to the Export:

B & W Y-12 LLC (DOE/NNSA Contractor)
301 Bear Creek Road
Oak Ridge, TN 37931

TN International (Transporter)
As Agent for CERCA
1 Rue Des Herons
78180 Montigny Le
Bretonneux
France

Part B. 4 and 5: Dates do not reflect actual ship dates. Time-frame indicated for shipments to support target fabrication schedule, target irradiation and processing schedules, and isotope production demand.

Page 1, Block 8: CERCA means "Compagnie pour l'Etude et la Réalisation de Combustibles Atomiques"

8a. For use in the fabrication of targets to be used for Molybdeum-99 (Mo-99) production while target conversion plan is implemented.

Page 1, Block 8: Other Intermediate Foreign Consignees:

Nuclear Research and Consultancy Group (NRG)
High Flux Reactor (HFR)
Westerduinweg 3, 1755 LE Petten,
NL-1755 ZG Petten
The Netherlands

SCK-CEN - BR-2 Reactor
Boeretang 200
B-2400 MOL
Mol, Belgium

Maria Reactor
SWierk-Otwock
05-400
Republic of Poland

Covidien Isotope Production Facility
Westerduinweg 3, 1755 LE Petten,
NL-1755 ZG Petten
Netherlands

9a. Target irradiation in the Petten High Flux Reactor (Netherlands), BR-2 Reactor (Belgium), and Maria Reactor (Poland), and Mo-99 extraction at the Covidien Isotope Production Facility (Petten, Netherlands).

FEB 28 2013
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U.S. Department of Energy
NNSA Production Office
Post Office Box 2050
Oak Ridge, Tennessee 37831-8009



February 25, 2013

Mr. Mark Shaffer, Deputy Director
Office of International Programs
U. S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, Maryland 20852-2738

XS NM 3708/01

FEB 28 2013
JC

Dear Mr. Shaffer:

**APPLICATION TO AMEND EXPORT LICENSE XSNM-3708 TO ADD
INTERMEDIATE FOREIGN CONSIGNEE FOR ENRICHED URANIUM SUPPLIED
TO NUCLEAR RESEARCH AND CONSULTANCY GROUP FOR USE IN THE
PRODUCTION OF MEDICAL ISOTOPES**

Enclosed is a Department of Energy (DOE), National Nuclear Security Administration (NNSA), application to amend export license XSNM-3708. The license amendment is required to add an intermediate foreign consignee involved in the production of medical isotopes for the Nuclear Research and Consultancy Group (NRG). Export License XSNM-3708 was issued on July 2, 2012, to export enriched uranium to the Compagnie pour l'Etude et la Réalisation de Combustibles Atomiques (CERCA) Romans facility in France for use in the fabrication of targets and transfer the targets to the Petten High Flux Reactor in the Netherlands, and the BR-2 Reactor in Belgium. **This application requests that the Maria Reactor in the Republic of Poland be added as an intermediate foreign consignee where enriched uranium targets will be irradiated to support Molybdenum-99 production; clerical corrections be made for the Covidien facility; and the expiration date be extended.**

The application to amend XSNM-3708, Nuclear Regulatory Agency (NRC) Form 7, has been determined to be unclassified, non-sensitive. An Interagency Agreement between DOE and NRC was executed on April 15, 2009, for NRC export licensing services and fees, and sufficient funds are available for processing this export license. A copy of the agreement and report of available funds will be sent to the under separate cover.

NRG and Covidien are actively working to implement a plan to convert to low enriched uranium targets used for medical isotope production. In the interest of supporting the production of medical isotopes, the NNSA Production Office requests that the review process be executed to support issuance of the export license in April 2013.

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This document has been approved for release to the public by:	
<i>Scott A. Hawley</i> NPO Y-12 Site Office Classification Officer	<i>2/25/13</i> Date

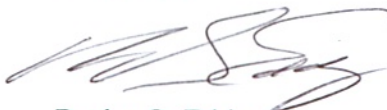
Mr. Mark Shaffer

-2-

February 25, 2013

If you have any questions or require additional information, please contact me at (865) 576-4119 or becky.eddy@npo.doe.gov.

Sincerely,



Becky G. Eddy
Program Manager
NNSA Production Office Y-12

Enclosure:
NRC Form 7 (NRG-EU12-R1)

cc w/enclosure:
T. Nelson, 301BCR, MS 8112, B&W Y-12

cc w/o enclosure:
P. Kirby, NPO-50, Y-12

XS NM 3708/01

FEB 28 2013