

NRC FORM 7 (05-2022) 10 CFR 110 	U. S. NUCLEAR REGULATORY COMMISSION APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (See Instructions on Pages 4 and 5)	APPROVED BY OMB: NO. 3150-0027 EXPIRES: 05/31/2025 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 FOIA, Library, and Information Collections Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to InfoCollect.Resource@nrc.gov , and the OMB reviewer at: OMB Office of Information and Regulatory Affairs, (3150-0027), Attn: Desk Officer for the Nuclear Regulatory Commission, 725 17th Street NW, Washington, DC 20503; e-mail: oir_submission@omb.eop.gov . The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the document requesting or requiring the collection displays a currently valid OMB control number.
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PART A. FOR NRC USE ONLY	<input checked="" type="checkbox"/> Public OR <input type="checkbox"/> Non-Public	Date Received 09/19/2022 JMS
License Number XSNM3832	Docket Number 11006455	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 Battelle Energy Alliance (BEA) LLC 2525 Fremont Ave, Idaho Falls, ID 83402 see page 3.	1a. Name of Applicant's Contact Justin Johnson	1b. Applicant's Reference Number	1c. Office Telephone Number 208-716-7211	1d. Office Facsimile Telephone Number
2. Type of Action Requested <input checked="" type="checkbox"/> Export (Parts B, C, E) <input type="checkbox"/> Amendment/Renewal Current License Number: <input type="checkbox"/> Import (Parts B, D, E) <input type="checkbox"/> Consent Request (Parts B, C) Current License Number:				
3. Contract Number(s)	4. First Shipment Date 10/01/2022	5. Last Shipment Date 12/31/2027	6. Proposed Expiration Date 12/31/2027	

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 U. S. Suppliers and/or other U. S. Parties to the Export Material Supply: 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) Framatome 54 Avenue De La Déportation ZI Les Bérauds 26104 Romans Sur Isère, France (Fuel Fabrication for TRIGA and MARVEL Fuel)	9. Name(s)/Address(es) of Ultimate Foreign Consignee(s) See Page 3 Framatome 54 Avenue De La Déportation ZI Les Bérauds 26104 Romans Sur Isère, France (Fuel Fabrication for TRIGA and MARVEL Fuel)	
7a. Function(s) Performed/Service(s) Provided Contracting Funding, Supplier	8a. Intermediate Use(s) Fabrication into MARVEL and RRI TRIGA Fuel	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 159.6 kg of Uranium-235 contained in a maximum of 800 KG uranium, enriched to a maximum of 19.95% in the form of either unalloyed broken metal or uranium molybdenum metal powder.	10a. Maximum Total Volume/Element WGT (KG), or Total Activity (TBq) 800.00 KG	10b. Max Enrichment or WGT% 19.95%	10c. Max Isotope WGT (KG) 159.6 kg
11. Foreign origin or obligations by country and, if known, by percentage of maximum total volume (leave blank for byproduct licenses) 100% US Obligation			

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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 XSNM3832	Docket Number 11006455	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 Foreign Parties to Import	13. Name(s)/Address(es) of Foreign or U. S. 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. Maximum 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)
(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

17. Additional Information provided on pages 3, 4, and/or separate sheets? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	17a. Copies of Recipient's Authorizations Provided? <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 Douglas K Morrell Project Manager	18b. Signature -- Authorized Official DOUGLAS MORRELL (Affiliate)  Digitally signed by DOUGLAS MORRELL (Affiliate) Date: 2022.09.13 11:35:02 -06'00'	18c. Date
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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)

Block 1:

Battelle Energy Alliance (BEA) is the managing contractor for the Department of Energy (DOE) Idaho National Laboratory (INL)

Part C: Blocks 7 and 7a, Suppliers and/or Other Parties to the Export:

Consolidated Nuclear Security (CNS) L.L.C.
301 Bear Creek Road
Oak Ridge, TN 37831
(DOE/NNSA Supply Contractor)

Part C: Blocks 8 and 8a, Intermediate Foreign Consignee(s):

Framatome
54 Avenue De La Déportation
ZI Les Bérauds
26104 Romans Sur Isère,
France
(Fuel Fabrication)

Part C: Block 9a, Ultimate End Use(s):

This material is being exported to France for fabrication into fuel elements and will then be returned to the United States in care of the INL. All of the ultimate consignees for this fuel are domestic only.

The majority of the fuel fabricated from this export will be used as part of the Research Reactor Infrastructure (RRI) Program to provide research reactor fuel to the following reactors:

UC Davis
UC Irvine
Kansas State University
University of Maryland
Oregon State University
Penn State
Reed College
Texas A&M
University of Texas
University of Utah
Washington State University
University of Wisconsin
NRAD (INL)

The DOE MARVEL Program will utilize 80 kg of the shipped material to provide fuel for the MARVEL reactor to be located at the Idaho National Lab

September 6, 2022

CCN 252219

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

SUBJECT: Export License Application for The Department of Energy Idaho National Laboratory
Shipment of Enriched Uranium to Framatome

Dear Mr. Skeen:

Enclosed is a Department of Energy (DOE), Idaho National Laboratory (INL), application to export enriched uranium to Framatome for use in the production of fuel for the MARVEL reactor to be located at the INL and for Research Reactor Infrastructure (RRI) program to provide fuel for various university research reactors in the United States. The enriched uranium will be exported from the Y-12 National Security Complex in Oak Ridge, Tennessee in the form of unalloyed broken metal to Framatome's CERCA facility in Romans, France.

All fuel from this material will be returned to the United States for the stated purpose and for the following end uses.

- MARVEL Microreactor (INL)
- TRIGA Reactor - UC Davis
- TRIGA Reactor - UC Irvine
- TRIGA Reactor - Kansas State University
- TRIGA Reactor - University of Maryland
- TRIGA Reactor - Oregon State University
- TRIGA Reactor - Penn State
- TRIGA Reactor - Reed College
- TRIGA Reactor - Texas A&M
- TRIGA Reactor - University of Texas
- TRIGA Reactor - University of Utah
- TRIGA Reactor - Washington State University
- TRIGA Reactor - University of Wisconsin
- Neutron Radiography (NRAD) Reactor (INL)

Approximately 200 kg of enriched uranium will be shipped in FY2023 for the MARVEL reactor and RRI. The remainder of the licensed material will be shipped through the end of 2027 as required for production schedules.

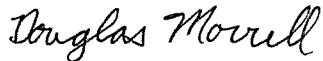
The export license application (NRC Form 7) has been determined to be unclassified, non-sensitive and can be made available to the public.

Mr. Skeen
September 6, 2022
Page 2

An expedited review is requested to integrate the RRI (TRIGA Reactors), MARVEL, and NRAD program schedules while observing available operating windows for transfer at Y12 and TRIGA International. Integration of these schedules is needed to meet increasing demands created by the nation's increased focus on clean nuclear energy and the increase attendant research. The three programs only recently achieved enough definition to develop an integrated schedule.

If you have any questions or require additional information, please contact me at (208) 201-6595 or douglas.morrell@inl.gov

Sincerely,



Doug Morrell, Program Manager
Research Reactor Infrastructure (RRI) Program

JTJ:JB

Enclosure:
NRC Form 7 (Application Number)

cc: B. Wilhoit, CNS, Y-12, brent.wilhoit@pxy12.doe.gov
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