

**NRC FORM 7**  
(07-2019)  
10 CFR 110



**U. S. NUCLEAR REGULATORY COMMISSION**

**APPROVED BY OMB: NO. 3150-0027**

**EXPIRES: 02/28/2022**

**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-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollects.Resource@nrc.gov](mailto: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.

|                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>PART A. FOR NRC USE ONLY</b>                                                                                                                                                                                                                                                                                                |  | <input checked="" type="checkbox"/> Public <b>OR</b> <input type="checkbox"/> Non-Public                                                                                     |  | Date Received<br><b>09/18/2020 JMS</b>                                                                                                                                                                                                                                                                         |  |
| License Number<br><b>XSNM3819</b>                                                                                                                                                                                                                                                                                              |  | Docket Number<br><b>11006398</b>                                                                                                                                             |  | Adams Accession Number                                                                                                                                                                                                                                                                                         |  |
| <b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS</b><br>(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<br><br>U.S. Department of Energy (DOE)/National Nuclear Security Administration (NNSA)<br>Y-12 National Security Complex<br>301 Bear Creek Road<br>Oak Ridge, TN 37831                                                                                                               |  | 1a. Name of Applicant's Contact<br><b>Melissa Einwechter</b>                                                                                                                 |  | 1b. Applicant's Reference Number<br><b>ILL-EU-20</b>                                                                                                                                                                                                                                                           |  |
|                                                                                                                                                                                                                                                                                                                                |  | 1c. Office Telephone Number<br><b>(865) 576-1989</b>                                                                                                                         |  | 1d. Office Facsimile Telephone Number<br><b>(865) 576-1237</b>                                                                                                                                                                                                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                |  | 1e. Applicant's E-mail Address<br><b>melissa.einwechter@npo.doe.gov</b>                                                                                                      |  |                                                                                                                                                                                                                                                                                                                |  |
| 2. Type of Action Requested (Check one)<br><input checked="" type="checkbox"/> Export (Parts B, C, E) <input type="checkbox"/> Amendment/Renewal <input type="checkbox"/> Import (Parts B, D, E) <input type="checkbox"/> Consent Request (Parts B, C)                                                                         |  | Current License Number:<br>Current License Number:                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                |  |
| 3. Contract Number(s)<br><b>NNSA-SC20-Y12-0615</b>                                                                                                                                                                                                                                                                             |  | 4. First Shipment Date<br><b>07/01/2021</b>                                                                                                                                  |  | 5. Last Shipment Date<br><b>12/30/2023</b>                                                                                                                                                                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                              |  | 6. Proposed Expiration Date<br><b>12/30/2023</b>                                                                                                                                                                                                                                                               |  |
| <b>PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, OR RENEWALS</b><br>(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<br><br><b>DOE/NNSA<br/>Y-12 National Security Complex<br/>301 Bear Creek Road<br/>Oak Ridge, TN 37831</b>                                                                                                                                   |  | 8. Name(s)/Address(es) of Intermediate Foreign Consignee(s)<br><br><b>Framatome<br/>54 Avenue De La Deportation<br/>ZI Les Berauds<br/>26104 Romans Sur Isere<br/>France</b> |  | 9. Name(s)/Address(es) of Ultimate Foreign Consignee(s)<br><br><b>INSTITUT LAUE - LANGEVIN (ILL)<br/>High Flux Reactor (RHF)<br/>6, rue Jules Horowitz<br/>BP 156<br/>38042 Grenoble Cedex 9<br/>France</b>                                                                                                    |  |
| 7a. Function(s) Performed/Service(s) Provided<br><b>Supplier/Transporter</b>                                                                                                                                                                                                                                                   |  | 8a. Intermediate Use(s)<br><b>Fuel Fabrication</b>                                                                                                                           |  | 9a. Ultimate End Use(s)<br><b>Reactor Fuel Reload</b>                                                                                                                                                                                                                                                          |  |
| 10. Description of Radioactive Materials, Sealed Sources, Nuclear Facilities, Equipment, or Components; for Nuclear Equipment include Total Dollar Value of Equipment for Export<br><br><b>121.16 kg uranium-235 contained in maximum of 130.0 kg uranium, enriched to maximum 93.20 weight %, in the form of broken metal</b> |  | 10a. Maximum Total Volume/Element WGT (KG), or Total Activity (TBq)<br><br><b>130.0 kg U</b>                                                                                 |  | 10b. Max Enrichment or WGT%                                                                                                                                                                                                                                                                                    |  |
|                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                              |  | 10c. Max Isotope WGT (KG)<br><br><b>121.16 kg U-235</b>                                                                                                                                                                                                                                                        |  |
|                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                              |  | <div style="border: 1px solid black; padding: 5px;"> <p align="center"><b>APPROVED FOR PUBLIC RELEASE</b></p> <p align="center">This document has been approved for release to the public by:</p> <p>Name / Title: <b>Scott A. Hawks, NPO Classification Officer</b></p> <p>Date: <b>09/04/2020</b></p> </div> |  |
| 11. Foreign origin (or obligations by country and, if known, by percentage of maximum total volume)<br><b>U.S. Obligations</b>                                                                                                                                                                                                 |  |                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                |  |

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

|                                   |                                  |                        |                                                                                          |
|-----------------------------------|----------------------------------|------------------------|------------------------------------------------------------------------------------------|
| License Number<br><b>XSNM3819</b> | Docket Number<br><b>11006398</b> | Adams Accession Number | <input checked="" type="checkbox"/> Public <b>OR</b> <input type="checkbox"/> Non-Public |
|-----------------------------------|----------------------------------|------------------------|------------------------------------------------------------------------------------------|

**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?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 17a. Copies of Recipient's Authorizations Provided?<br><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<br><b>Melissa Einwechter</b><br>NNSA Production Office Nuclear Materials Manager | 18b. Signature -- Authorized Official<br><b>MELISSA EINWECHTER</b><br>Digitally signed by MELISSA EINWECHTER<br>Date: 2020.09.10 13:36:03 -04'00' | 18c. Date<br>2020.09.10 13:36:03 -04'00' |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|

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|-----------------------------------|----------------------------------|------------------------|-------------------------------------------------------------------------------------------------|

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

Part B. 4 and 5: Dates do not reflect actual ship dates. Time-frame indicated for shipment is to allow fuel fabrication in support of High Flux Reactor (RHF) inventory and operational requirements. Efforts to convert the RHF to use LEU fuel are ongoing.

Page 1, Block 7 and 7a, Other Parties to Export:

7. Consolidated Nuclear Security (CNS) L.L.C.  
301 Bear Creek Road  
Oak Ridge, TN 37831

7a. DOE/NNSA Contractor for Supply/Transport

Page 1, Block 8 and 8a, Intermediate Foreign Consignee(s):

8. ORANO TN International  
1, rue des Hérons  
78180 Montigny-le- Bretonneux  
France

8a. Framatome Contractor for Transport