


| | | | | | | | |
|---|--|--|---|---|--|--|--|
| 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) <i>(See Instructions on Pages 4 and 5)</i> | | | | 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 , 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 10/25/2021 JMS | | | |
| License Number XSNM3824 | | Docket Number 11006429 | | 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 Edlow International Company as Agent for X Energy, LLC 1666 Connecticut Avenue, NW Suite 201 Washington, DC 20009 | | | 1a. Name of Applicant's Contact Marilena Conde | | 1b. Applicant's Reference Number XENE-4390 | | |
| | | | 1c. Office Telephone Number (202) 483 4959 | | 1d. Office Facsimile Telephone Number (202) 483 4840 | | |
| | | | 1e. Applicant's E-mail Address mconde@edlow.com | | | | |
| 2. Type of Action Requested (Check one) | | <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) DE-NE0009040 | | | | 4. First Shipment Date 2/1/2022 | 5. Last Shipment Date 12/31/2022 | 6. Proposed Expiration Date 12/31/2025 | |
| 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 Oak Ridge National Laboratory (ORNL) 1 Bethel Valley Road Oak Ridge, TN 37830 | | | 8. Name(s)/Address(es) of Intermediate Foreign Consignee(s) | | 9. Name(s)/Address(es) of Ultimate Foreign Consignee(s) The Nuclear Research and Consultancy Group (NRG) Westerduinweg 3 1755 LE Petten Netherlands | | |
| 7a. Function(s) Performed/Service(s) Provided Supplier | | | 8a. Intermediate Use(s) | | 9a. Ultimate End Use(s) Irradiation Test Program | | |
| 10. Description of Radioactive Materials, Sealed Sources, Nuclear Facilities, Equipment, or Components; for Nuclear Equipment include Total Dollar Value of Equipment for Export 12 grams of U-235 contained in 65 grams of Uranium enriched to a maximum of 19.95% in the form of uranium oxide/carbide kernels in TRISO particles. There will be a total of 8 unirradiated HALEU bearing pebbles (each containing 1.5 gram of U-235) in the shipment. | | | | 10a. Maximum Total Volume/Element WGT (KG), or Total Activity (TBq) 65 grams (0.065 kg) | 10b. Max Enrichment or WGT% 19.95% | 10c. Max Isotope WGT (KG) 12 grams (0.012 kg) | |
| 11. Foreign origin (or obligations by country and, if known, by percentage of maximum total volume) All U.S. obligated material. | | | | | | | |

NRC FORM 7
(07-2019)
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

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

| | | | |
|-----------------------------------|----------------------------------|------------------------|--|
| License Number XSNM3824 | Docket Number 11006429 | Adams Accession Number | <input checked="" type="checkbox"/> Public OR <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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 17a. Copies of Recipient's Authorizations Provided? <input type="checkbox"/> Yes <input 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 Marilena Conde Vice President Marketing and Administration | 18b. Signature -- Authorized Official Marilena Conde <small>Digitally signed by Marilena Conde Date: 2021.07.29 10:32:20 -04'00'</small> | 18c. Date 07/09/2021 |
|---|--|-------------------------|

NRC FORM 7
(07-2019)
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

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

| | | | |
|-----------------------------------|----------------------------------|------------------------|--|
| License Number XSNM3824 | Docket Number 11006429 | Adams Accession Number | <input checked="" type="checkbox"/> Public OR <input type="checkbox"/> Non-Public |
|-----------------------------------|----------------------------------|------------------------|--|

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

Page 1, Block 7: Other Parties

Edlow International Company
1666 Connecticut Avenue, NW
Suite 201
Washington, DC 20009

Transporter

Page 1, Block 9a: Ultimate End Use: Irradiation Test Program: Following irradiation at NRG, the 8 irradiated pebbles will be returned to Oak Ridge National Laboratory for post irradiation examination (PIE).