


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 InfoCollect.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 02/10/2020 JMS			
License Number XSOU8852		Docket Number 11006372		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 Manufacturing Sciences Corp. 804 S. Illinois Ave. Oak Ridge, TN 37830		1a. Name of Applicant's Contact Jack Peters		1b. Applicant's Reference Number XP1-2020			
		1c. Office Telephone Number 865-425-2808		1d. Office Facsimile Telephone Number 865-481-3142			
		1e. Applicant's E-mail Address jpeters@mfgsci.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) 4300154686		4. First Shipment Date 6/01/2020		5. Last Shipment Date 06/01/2025		6. Proposed Expiration Date 06/01/2025	
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		8. Name(s)/Address(es) of Intermediate Foreign Consignee(s)		9. Name(s)/Address(es) of Ultimate Foreign Consignee(s) Joint Research Center Director G-Nuclear Safety, Security, and Safeguards Retiesewg 111 B-2440 Geel/ Belgium +32(0) 14571503			
7a. Function(s) Performed/Service(s) Provided		8a. Intermediate Use(s)		9a. Ultimate End Use(s) Accelerator Target			
10. Description of Radioactive Materials, Sealed Sources, Nuclear Facilities, Equipment, or Components; for Nuclear Equipment include Total Dollar Value of Equipment for Export Depleted Uranium (DU) 13.5 kilograms clad in stainless steel per each part. Total requested export authorization 100 kilograms for multiple parts over 5 year period.		10a. Maximum Total Volume/Element WGT (KG), or Total Activity (TBq) 100 kilograms DU		10b. Max Enrichment or WGT% <0.4%		10c. Max Isotope WGT (KG) 100 kilograms DU	
11. Foreign origin (or obligations by country and, if known, by percentage of maximum total volume)							

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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)

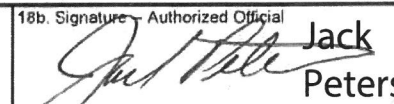
16. Foreign obligations (By country and by Percentage of Maximum Total Volume)

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 checked="" 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 JACK PETERS RSO	18b. Signature - Authorized Official  Jack Peters	Digitally signed by Jack Peters Date: 2020.02.04 13:36:53 -05'00'	18c. Date 2/4/20
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Additional Information (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Manufacturing Sciences Corp.

State of Tennessee Source Material License S-01046-B20

Each Target contains 13.5 kilograms of Depleted Uranium (<0.4% U-235). First shipment is for one part.

Follow-up orders of up to 100 Kilograms of Depleted Uranium. Requested expiration 06/01/2025.

All targets are clad in stainless steel.