

NRC FORM 7
(02-2016)
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: 11/30/2018

**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 FOIA, Privacy, and Information Collections Branch (T-5 F53), 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
 PUBLIC OR NON-PUBLIC

DATE RECEIVED

NOV 01 2018 SZF

LICENSE NUMBER

XSNM 3805

DOCKET NUMBER

11006336

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

Thermo Fisher Scientific
10010 Mesa Rim Road
San Diego CA 92121

1a. NAME OF APPLICANT'S CONTACT

Robert Barnes

1b. APPLICANT'S REFERENCE NUMBER

100429, 100790

1c. PHONE NUMBER

(858) 882-1356

1d. FAX NUMBER

(858) 882-1356

1e. E-MAIL ADDRESS

rob.barnes@thermofisher.com

2. TYPE OF ACTION REQUESTED (Check One)

EXPORT
(Parts B, C, E)IMPORT
(Parts B, D, E)AMENDMENT/RENEWAL
Current License Number:CONSENT REQUEST
(Parts B, C)
Current License Number:

3. CONTRACT NUMBER(S)

2017004243, 2017023700

4. FIRST SHIPMENT DATE

11/15/2018

5. LAST SHIPMENT DATE

6/30/2019

6. PROPOSED EXPIRATION DATE

6/30/2021

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 EXPORT8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE
FOREIGN CONSIGNEE(S)9. NAME(S) / ADDRESS(ES) OF ULTIMATE
FOREIGN CONSIGNEE(S)Emirates Nuclear Energy Corporation
Irena Building Headquarters
PO Box 112010
Masdar City
Abu Dhabi
United Arab Emirates

7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED

8a. INTERMEDIATE USE(S)

9a. ULTIMATE END USE(S)

Neutron Flux Monitoring

10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES,
NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR
NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF
EQUIPMENT FOR EXPORT

Twelve fission chamber containing 3.9 grams each of enriched uranium used in neutron flux monitoring systems as spares at four reactors (Barakah 1-4). Each fission chamber has a value of approximately [REDACTED] Total includes four (4) triple fission chamber detector assemblies.

10a. MAX TOTAL VOLUME /
ELEMENT WGT (KG), OR
TOTAL ACTIVITY (TBq)0.047 KG of enriched
uranium10b. MAX ENRICHMENT
OR WGT %

94%

10c. MAX ISOTOPE
WGT (KG)

0.045 KG of U-235

11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

None - United States - 100%

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

LICENSE NUMBER XSNM3805	DOCKET NUMBER 11006336	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 type="checkbox"/> YES <input checked="" 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 Robert Barnes Technical Service Manager	18b. SIGNATURE -- AUTHORIZED OFFICIAL Robert Barnes <small>Digitally signed by Robert Barnes DN: cn=Robert Barnes, o, ou, email=rob.barnes@thermofisher.com, c=US Date: 2018.10.26 08:35:01 -0700'</small>	18c. DATE 26 Oct 2018