


<b>NRC FORM 7</b> (02-2016) 10 CFR 110	 <b>U. S. NUCLEAR REGULATORY COMMISSION</b>	<b>APPROVED BY OMB: NO. 3150-0027</b> 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.	<b>EXPIRES: 11/30/2018</b>	
<b>APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S)</b> (See Instructions on Pages 4 and 5)				
<b>PART A. FOR NRC USE ONLY</b>		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC		
LICENSE NUMBER <i>KS NM 3775</i>		DOCKET NUMBER <i>11006240</i>		
		DATE RECEIVED <i>4/30/17</i>		
		ADAMS ACCESSION NUMBER		
<b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS</b> (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 24017/24325/26471/27204	
		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) <input checked="" type="checkbox"/> EXPORT (Parts B, C, E) <input type="checkbox"/> IMPORT (Parts B, D, E) <input type="checkbox"/> AMENDMENT/RENEWAL Current License Number: _____ <input type="checkbox"/> CONSENT REQUEST (Parts B, C) Current License Number: _____		
3. CONTRACT NUMBER(S) Y10-00050-012, 2014005983	4. FIRST SHIPMENT DATE 7/30/2016	5. LAST SHIPMENT DATE 12/31/2019	6. PROPOSED EXPIRATION DATE 12/31/2020	
<b>PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, OR RENEWALS</b> (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 EXPORT	8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)	9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Korea Hydro and Nuclear Power Corporation 167 Samsung-Dong Kangnam-Gu Seoul 135-791 Korea for use at Hanul 1-2, Hanbit 1-2 and Shin Hanul 1-2		
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  Fifty four (54) fission chambers each containing between 3.9 to 8.0 grams of enriched Uranium used in neutron flux monitoring systems at six reactors. Each fission chamber has a value of approximately \$	10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)  0.312 KG of Enriched Uranium	10b. MAX ENRICHMENT OR WGT %  94%	10c. MAX ISOTOPE WGT (KG)  0.293 KG of U-235	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) None -- United States -- 100%				

*copy 4/30/17*

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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 <i>X5.NM.3725</i>	DOCKET NUMBER <i>11006240</i>	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
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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 Robert Barnes Technical Services Manager	18b. SIGNATURE -- AUTHORIZED OFFICIAL <i>Robert E. Barnes</i>	18c. DATE June 22, 2016
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*Jim  
6/28/17*

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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	DOCKET NUMBER	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
XSNM3775	11006240		

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

Contract Numbers: U09-0846-012 for Hanul 2 (4 dual fission chambers in four PR detectors) (64 grams U)  
 U09-0846-012 for Hanul 2 (4 fission chambers in two WR detectors) (16 grams U)  
 Y10-0050-012 for Hanbit 1 and 2 (8 dual fission chambers in eight PR detectors) (128 grams U)  
 2014005983 for Shin-Hanul 1 and 2 (24 fission chambers in eight PR/WR detector) (96 grams U)  
 U150909701 for Hanul 1 or 2 (1 dual fission chamber in one spare PR detector) (8 grams U)

Note that the original Export License for U09-0846-012 and Y10-0050-012 was XSNM3701 which has expired.

MS 4/30/17  
JMS