

NRC FORM 7
(11-2012)
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: (11/30/2016)

**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-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet 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

MAY 18 2015

LICENSE NUMBER

XCOM1285/01

DOCKET NUMBER

11006170

ADAMS ACCESSION NUMBER

ML5139A073

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

Mirion Technologies (IST) Corporation
200/300 IST Center
315 Daniel Zenker drive
Horseheads, NY 14845

1a. NAME OF APPLICANT'S CONTACT

Eric P. Brand

1b. APPLICANT'S REFERENCE NUMBER

DMS00012

1c. PHONE NUMBER

(607) 562-4414

1d. FAX NUMBER

(607) 562-4482

1e. E-MAIL ADDRESS

ebrand@mirion.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:

XCOM1285

3. CONTRACT NUMBER(S)

C83-QH92D

4. FIRST SHIPMENT DATE

07/01/2015

5. LAST SHIPMENT DATE

12/15/2015

6. PROPOSED EXPIRATION DATE

02/29/2016

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 EXPORT

Mirion Technologies (MGPI H&B) GmbH
Landsberger Str. 328a
Munchen, D-80687
Germany

8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE
FOREIGN CONSIGNEE(S)9. NAME(S) / ADDRESS(ES) OF ULTIMATE
FOREIGN CONSIGNEE(S)

Jordan Research and Training Reactor
(JRTR)
Jordan University of Science and
Technology (J.U.S.T.)
Ar Ramtha, Irbid, 22110, Jordan

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

Support Electronics Supply, project invoice

8a. INTERMEDIATE USE(S)

9a. ULTIMATE END USE(S)

Flux Monitor, Jordan Research/Training Rx

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

Quantity 5, gamma ionization chambers (RGMS) for
measurement of gamma radiation over multiple decades
within the range of 1×10^{-2} to 1×10^6 Gy/h; used for
monitoring the Jordan Research and Training Reactor.

10a. MAX TOTAL VOLUME /
ELEMENT WGT (KG), OR
TOTAL ACTIVITY (TBq)

None

10b. MAX ENRICHMENT
OR WGT %

None

10c. MAX ISOTOPE
WGT (KG)

None

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

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**APPLICATION FOR NRC EXPORT OR IMPORT
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LICENSE NUMBER XCOM1285/01	DOCKET NUMBER 11006170	ADAMS ACCESSION NUMBER ML5139 A073	<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.)

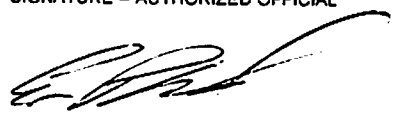
12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)	14. NAME(S) / ADDRESS(ES) OF ULTIMATE U. S. CONSIGNEE(S)	
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S) / 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 checked="" type="checkbox"/> YES <input 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 Eric P. Brand Quality Manager, Mirion Technologies (IST) Corporation	18b. SIGNATURE - AUTHORIZED OFFICIAL 	18c. DATE 05/05/2015
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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Mirion Technologies (IST) Corporation is applying for an amendment to NRC Export License XCOM1285 to add a quantity of 5 gamma ionization chambers (RGMS) for measurement of gamma radiation over multiple decades within the range of 1×10^{-2} to 1×10^6 Gy/h; used for monitoring the Jordan Research and Training Reactor. The purchase order from our customer has been revised to purchase the additional gamma radiation measuring equipment for the JRTR Research and Training Reactor project.

The gamma ionization chambers (RGMS) Mirion Technologies (MGPI H&B) GmbH Part Number 356344 and SA-1430042 will be exported from Mirion Technologies (MGPI H&B) GmbH to Mirion Technologies (IST) Corporation located in Horseheads, NY. Mirion Technologies (IST) Corporation located in Horseheads, NY will manufacture the housing and cable conduit assemblies, install the Mirion Technologies (MGPI H&B) GmbH gamma ionization chambers (RGMS) into the housing and cable conduit assemblies, and export the completed assemblies (Drawing E-4282, Part Number NY-10965) to the Jordan Research and Training Reactor.

Mirion Technologies (IST) Corporation is requesting an amendment to add the 5 gamma chambers. Mirion Technologies (IST) Corporation still has need to export the initial quantity of 7 wide range fission chambers for measurement of thermal neutron radiation used for monitoring the Jordan Research and Training Reactor.

10. Description of Nuclear Equipment	10a. Max Total Element Weight	10b. Max Enrichment	10c. Max Isotope Wt.
Quantity 7, Wide Range Fission Chambers for measurement of thermal neutron radiation over multiple decades within the range of 2×10^{-0} to 2×10^{10} nv; used for monitoring the Jordan Research and Training Reactor.	0.6mg/cm ²	93% U235 applied as a U308 coating on an internal/sealed electrode.	0.72 grams

Mirion Technologies (IST) Corporation requests the pricing information be redacted (box 10) if/when the license application amendment is published for review.