

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	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC	DATE RECEIVED February 4, 2019 szf
LICENSE NUMBER XCOM1326	DOCKET NUMBER 11006344	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 Mirion Technologies (IST) Corporation 300 IST Center 315 Daniel Zenker Drive Horseheads, NY 14845	1a. NAME OF APPLICANT'S CONTACT Eric P. Brand	1b. APPLICANT'S REFERENCE NUMBER EPB0004
	1c. PHONE NUMBER (607) 562-4414	1d. FAX NUMBER (607) 562-4482
	1e. E-MAIL ADDRESS ebrand@mirion-ssd.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) C83-VH31DP4193470	4. FIRST SHIPMENT DATE 01/31/2019	5. LAST SHIPMENT DATE 08/30/2019	6. PROPOSED EXPIRATION DATE 12/31/2021
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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	8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)	9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) NRG Petten Westerduinweg 3, 1755 LE PETTEN P.O. Box 25, 1755 ZG PETTEN THE NETHERLANDS	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED	8a. INTERMEDIATE USE(S)	9a. ULTIMATE END USE(S) Flux Monitor, NRG Petten HFR	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT Quantity 2 Each, Compensated Ion Chambers for measurement of neutron flux radiation. The radiation detector is used for neutron flux monitoring at NRG Petten HFR. [REDACTED]	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)

None

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LICENSE NUMBER XCOM1326	DOCKET NUMBER 11006344	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 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 01/23/2019
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XCOM1326	11006344		

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

Mirion Technologies (IST) Corporation is applying for a NRC Export License to export a quantity of two Compensated Ion Chambers used for measurement of neutron flux radiation. The radiation detector will be used for neutron flux monitoring at NRG Petten High Flux Reactor (HFR).

The NRG Petten High Flux Reactor (HFR) is an isotopic production research reactor capable of 45 MW (thermal) continuous operation.

The Ion Chambers are also referred to as Excore Detectors. The detectors are positioned in detector wells (stand pipes) placed around the outside of the reactor vessel. The detectors are left in position during reactor operation and are not considered mobile survey instruments.

The equipment falls under 10 CFR 110.8 - Especially designed equipment for a nuclear reactor.
Appendix A) to part 110 paragraph (11) - Other components especially designed for nuclear reactor.

Attached for your reference:

- 1) Compensated Ion Chamber, Mirion Model Number WL-23084, Product Data Sheet. (Number of pages =1)
- 2) End User Statement from NRG Petten, The Netherlands. (Number of pages = 1)

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



MIRION
TECHNOLOGIES

Mirion Technologies (IST) Corporation
Sensing Systems Division
315 Daniel Zenker Drive
300 IST Center
Horseheads, NY 14845

607-562-4300
607-562-4482
www.mirion.com

Date: January 23, 2019

To: Deputy Director, David Skeen

Office of International Programs
United States Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

APPLICATION FOR NRC EXPORT LICENSE NRC Form N7

Dear Sir,

In accordance with the requirements to Part 110 for the export of items specifically designed and manufactured for use in a nuclear reactor, Mirion is submitting this application NRC Form N7. (Applicants reference number EPB0004).

If you have any questions or comments regarding this application please do not hesitate to contact me at (607)-562-4414.

Respectfully,

Eric P. Brand
Quality Manager, Export Compliance
Sensing Systems Division