


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: 24 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 11/29/2019 JMS			
License Number XCOM1325/01		Docket Number 11006342		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 EPB0003		
			1c. Office Telephone Number (607)-562-4414		1d. Office Facsimile Telephone Number (607)-562-4482		
			1e. Applicant's E-mail Address ebrand@mirion-ssd.com				
2. Type of Action Requested (Check one)		<input type="checkbox"/> Export (Parts B, C, E)		<input checked="" type="checkbox"/> Amendment/Renewal		Current License Number: XCOM1325	
		<input type="checkbox"/> Import (Parts B, D, E)		<input type="checkbox"/> Consent Request (Parts B, C)		Current License Number:	
3. Contract Number(s) C83-VH18D020087			4. First Shipment Date 11/06/2019		5. Last Shipment Date 12/31/2019		6. Proposed Expiration Date 12/31/2022
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) Candu Energy Inc. 2251 Speakman Drive Mississauga, ON Canada L5K 1B2 Mirion Technologies (IST Canada) Inc. 465 Dobbie Drive Cambridge, ON Canada N1R 5X9			9. Name(s)/Address(es) of Ultimate Foreign Consignee(s) Nucleoelectric Argentina Central Nuclear Embalse Camino. A LA Cruz S/N, Embalse-Cordoba, C.P 5856 Republic of Argentina	
7a. Function(s) Performed/Service(s) Provided			8a. Intermediate Use(s) Sales Location, Support Export to End Destination			9a. Ultimate End Use(s) Flux Monitor, Embalse Power Station	
10. Description of Radioactive Materials, Sealed Sources, Nuclear Facilities, Equipment, or Components; for Nuclear Equipment include Total Dollar Value of Equipment for Export Quantity 4 Each, Uncompensated Ion Chambers for measurement of neutron flux radiation. The radiation detector is used for neutron flux monitoring at Embalse Power Station. [REDACTED] USD One Time Engineering Drawings/Procedures [REDACTED] USD				10a. Maximum Total Volume/Element WGT (KG), or Total Activity (TBq) None		10b. Max Enrichment or WGT% None	10c. Max Isotope WGT (KG) None
11. Foreign origin (or obligations by country and, if known, by percentage of maximum total volume) None							

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

License Number XCOM1235/01	Docket Number 11006342	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 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 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 <i>Eric P. Brand</i> <i>Quality Manager, Mirion Technologies (IST) Corp.</i>	18b. Signature -- Authorized Official 	18c. Date <i>11/06/2019</i>
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APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)

License Number XCOM1325/01	Docket Number 11006342	Adams Accession Number	<input checked="" type="checkbox"/> Public OR <input type="checkbox"/> Non-Public
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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 XCOM1325. This application request revises the "ship to" address. A revised End Use Statement from CANDU Energy is attached for your reference. The application for amendment revises the proposed expiration date from December 31, 2021 to December 31, 2022. This is to cover the Mirion Technologies (IST) Corporation warranty period for this product.

This application is for Mirion Technologies (IST) Corporation to export a quantity of four Uncompensated Ion Chambers for measurement of neutron flux radiation. The radiation detector is used for neutron flux monitoring at Embalse Power Station.

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 plant 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.

One time engineering for creation of Outline Drawing, Packaging Procedure, Product Instruction Manual, Engineering Data Sheet, Quality Inspection and Test Plans.

Attached for your reference:

- 1) Uncompensated Triaxial Ion Chamber System Equipment, Mirion Model Number NY-10710, Data Sheet.
(Number of pages =3)
- 2) Engineering Outline Drawing 150-10710 G8 Revision Original (-), for Uncompensated Ion Chamber.
(Number of pages =2)
- 3) End User Statement from Candu Energy Inc.
(Number of pages = 3)

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
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www.mirion.com

Date: November 6, 2019

To: Deputy Director, David Skeen

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

APPLICATION FOR AMMENDMENT TO NRC EXPORT LICENSE No. **XCOM1325**

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 for an amendment to NRC Export License XCOM1325.
(Applicants reference number EPB0003).

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

Respectfully,

Eric P. Brand
Export Compliance
Sensing Systems Division