

NRC FORM 7
(11-2012)
10 CFR 110



U. S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: (11/30/2015)

**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

4-7-14

LICENSE NUMBER

PXB 188.00

DOCKET NUMBER

11006156

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

Isomedix Operations, Inc
dba STERIS Isomedix Services
2500 Commerce Drive
Libertyville, IL 60048

1a. NAME OF APPLICANT'S CONTACT

Jonathan Young

1b. APPLICANT'S REFERENCE NUMBER

1c. PHONE NUMBER

(973) 651-1168

1d. FAX NUMBER

N/A

1e. E-MAIL ADDRESS

Jon_Young@steris.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)

4. FIRST SHIPMENT DATE

07/15/2014

5. LAST SHIPMENT DATE

08/15/2014

6. PROPOSED EXPIRATION DATE

06/01/2015

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

Best Theratronics Ltd.
413 March Road
Ottawa, Ontario, Canada K2K 0E4

Nordion
447 March Road
Ottawa, Ontario, Canada K2K 1X8

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

N/A

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

Nordion
447 March Road
Ottawa, Ontario, Canada K2K 1X8

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

See Page 3

8a. INTERMEDIATE USE(S)

N/A

9a. ULTIMATE END USE(S)

Decommissioning and Source Disposal

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

Device:

MDS Nordion Model GC220 Self Contained Irradiator

Material:

Cobalt-60 in Model C-198 source encapsulation

Reference SSD: NR-220-D-831-S

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

Max per Shipment:
250 TBq

10b. MAX ENRICHMENT
OR WGT %

N/A

10c. MAX ISOTOPE
WGT (KG)

N/A

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

N/A

4-7-14
Jms

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

LICENSE NUMBER <i>PXB188.00</i>	DOCKET NUMBER <i>11006156</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.)

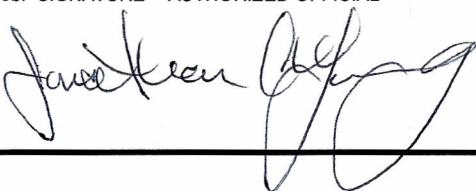
12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)	14. NAME(S) / ADDRESS(ES) OF ULTIMATE U. S. CONSIGNEE(S)	
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S) / 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input checked="" type="checkbox"/> YES <input 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 Jonathan C Young Corporate Radiation Safety Manager STERIS Isomedix Services	18b. SIGNATURE -- AUTHORIZED OFFICIAL 	18c. DATE 4/04/2014
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*ME 4-714
JMS*

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

LICENSE NUMBER PXB188.00	DOCKET NUMBER 11006156	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)

Sections 2 thru 6

The purpose of this License request is to return to Nordion, two model GC220 self contained irradiators, for decommissioning and source disposal. As STERIS Isomedix owns both units, and export license is required for their return. Due to transport overpack limitations, the units cannot be shipped to Nordion at the same time.

The Radioactive Materials License number linked to this application is IL-01123-02. The two units are physically located at 1880 Industrial Drive, Libertyville, IL.

Section 7a.

Best Theratronics is contracted to provide the Transport Overpack, round trip transportation, rigging and Field Service Technicians to prepare each GC220 for shipment.

Overpack Certification References:

CNSC Certificate of Transportation No. CDN/2084/B(U)-96 (Rev1)

USNRC/USDOT Competent Authority Certification No. USA/9299/B(U)-85, Revision 4

Nordion is the ultimate consignee who will receive the shipment, remove the GC220 from the overpack, remove the source material and final disposition both the source material and the GC220.

Section 10

Each GC220 unit contains 24 model C-198 source encapsulations. As of the estimated first shipment date, the highest C-198 source activity is 13 TBq. In aggregate, each shipment will be considered Category I.

Section 17(a)

Nordion's CNSC Operating License, NSPFOL-11A.04/2015 is attached representing approval to receive this material.