

EXPORT LICENSE

NRC FORM 250P



United States of America
 Nuclear Regulatory Commission
 Washington, D.C. 20555

NRC LICENSE NO.: PXB130.00

LICENSE EXPIRES: May 1, 2010

Page 1 of 2

Pursuant to the Atomic Energy Act of 1954, as amended, and the regulations issued by the Nuclear Regulatory Commission (NRC) pursuant thereto, and in reliance on statements and representations heretofore made by the applicant/licensee, this license is hereby issued authorizing the licensee to import and/or export the byproduct materials listed below, subject to the terms and conditions herein. This license is only valid if the licensee maintains the requisite NRC or Agreement State domestic licenses.

LICENSEE	ULTIMATE FOREIGN CONSIGNEE(S)
All Children's Hospital Attn: Becky DeCroteau 801 6 th Street South St. Petersburg, FL 33701 APPLICANT'S REFERENCE: 09-0001	Best Theratronics Ltd. 413 March Road Ottawa Ontario K2K 0E4 Canada (Recipient)
INTERMEDIATE FOREIGN AND/OR DOMESTIC CONSIGNEE(S)	OTHER PARTY(IES) TO EXPORT/IMPORT
NONE	NONE

COUNTRY(IES) OF ULTIMATE DESTINATION: Canada

**CONDITIONS, NOTES, AND DESCRIPTIONS OF 10 CFR PART 110, APPENDIX P,
 BYPRODUCT MATERIALS TO BE EXPORTED AND/OR IMPORTED**
 (NOTE: SEE PAGE 2 FOR DEFINITIONS OF CATEGORY 1 AND CATEGORY 2)

Export to Canada, of one Category 2 quantity of Cs-137, contained in sealed sources, for disposal of a Gammacell 1000 irradiator, is authorized.

The licensee is responsible for compliance with all applicable export and other domestic regulatory requirements, including all terms and conditions of domestic materials license(s).

The licensee, if not already submitted with your application, must submit information required by 10 CFR §110.32(d) and pertinent documentation required by 10 CFR §110.32(h) at least **24 hours prior to shipment**. See Page 2 for Mandatory Pre-shipment Notifications.

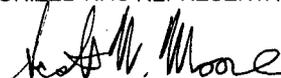
License expiration date is based upon applicant's request.

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all of the other provisions of said Act, now or hereafter in effect and to all valid rules and regulations of NRC.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW
 BY AUTHORIZED NRC REPRESENTATIVE

NAME AND TITLE


 Scott W. Moore, Deputy Director
 Office of International Programs

DATE OF ISSUANCE:

September 28, 2009

MANDATORY NOTIFICATIONS: Notifications required by 10 CFR 110.50(b)(4) are to be emailed to hoo.hoc@nrc.gov (preferred method) or faxed to 301-816-5151. In the subject line of the email or on the fax cover page include: "10 CFR 110.50(b)(4) Notification." To contact someone in the Operations Center, use the same e-mail address or call 301-816-5100. Difficulties notifying the U.S. Nuclear Regulatory Commission must be promptly reported to the Office of International Programs' import/export licensing staff at 301-415-3684 or 415-3329.

Use the following email address for submission of Prior Notification to Canadian regulator:

export.import@cnscccsn.gc.ca

For questions related to notifying the Canadian regulator:

Larry Chamney, Director
 Non-Proliferation and Export Controls Division
 Canadian Nuclear Safety Commission
 280 Slater Street
 P.O. Box 1046, Station B
 Ottawa, ON K1P 5S9
 Canada
 Tel: +1 613 995 1639
 Fax: +1 613 995 5086
 Email: chamneyl@cnscccsn.gc.ca

Relevant portion of Table 1: Appendix P to Part 110—Category 1 and Category 2 Radioactive Material Threshold Limits

Radioactive Material	Category 1		Category 2	
	Terabequerels (TBq)	Curies (Ci) ¹	Terabequerels (TBq)	Curies (Ci) ¹
Cesium-137	100	2,700	1.0	27

Calculation of Shipments Containing Multiple Sources or Radionuclides:

The "sum of fractions" methodology for evaluating combinations of radionuclides being transported is to be used when import or export shipments contain multiple sources or multiple radionuclides. The threshold limit values used in a sum of the fractions calculation must be the metric values (i.e., TBq).

I. If multiple sources and/or multiple radionuclides are present in an import or export shipment, the sum of the fractions of the activity of each radionuclides must be determined to verify the shipment is less than the Category 1 or 2 limits of Table 1, as appropriate. If the calculated sum of the fractions ratio, using the following equation, is greater than or equal to 1.0, then the import or export shipment exceeds the threshold limits of Table 1 and the applicable security provisions of this part apply.

II. Use the equation below to calculate the sum of the fractions ratio by inserting the actual activity of the applicable radionuclides or of the individual sources (of the same radionuclides) in the numerator of the equation and the corresponding threshold activity limit from the Table 1 in the denominator of the equation. Ensure the numerator and denominator values are in the same units and all calculations must be performed using the TBq (i.e., metric) values of Table 1.

R1 = activity for radionuclides or source number 1
 R2 = activity for radionuclides or source number 2
 RN = activity for radionuclides or source number n

AR1 = activity limit for radionuclides or source number 1
 AR2 = activity limit for radionuclides or source number 2
 ARN = activity limit for radionuclides or source number n

$$\sum_1^n \left[\frac{R_1}{AR_1} + \frac{R_2}{AR_2} + \frac{R_n}{AR_n} \right] \geq 1$$

¹ The values to be used to determine whether a license is required are given in TBq. Curie (Ci) values are provided for practical usefulness only and are rounded after conversion.