

NRC FORM 7 (07-2019)

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(07-2019)
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

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

License Number PXB236.01	Docket Number 11006395	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 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 Mike Dammann, Director R&D	18b. Signature -- Authorized Official  <div>Digitally signed by Mike Dammann Date: 2021.05.13 16:13:42 -05'00'</div>	18c. Date
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Additional Information (Reference applicable block numbers from page 1 and/or page 2 for each entry)

10. Bare sealed sources and special form capsules are being returned to Best Theratronics for ultimate final proper disposition of the materials. Sources have been consolidated from devices both domestic and foreign to remove at risk material for global security. Source handling was done at SwRI but Best Theratronics retained title and disposition obligation. Sources will be collected in an approved basket and shipped as a type B shipment using the F-127, USA-0509-B(U) transport package or other proper shipping configurations as specified by Best. Some sources may no longer meet special form requirements for various reasons and will be overpacked in the Model II or III special form capsule to enable shipment.

A small number of the newer special form Cesium 137 capsules (C3100, C378, C1001 and C3001) will be recycled by placing them into new equipment. These capsules will undergo evaluation to ensure they still meet leak tight requirements. The sources will be loaded at SwRI into GC-1000 or GC-3000 shields, which will be returned to Best Theratronics as a type B shipment using the F-431, USA-9310-B(U) transport package.

A small number of the newer special form Cesium 137 capsules (C1610, C440) will also be recycled by placing them into new equipment. These capsules will undergo evaluation to ensure they still meet leak tight requirements. The sources will be loaded at SwRI in GC-40 shields, which will be returned to Best Theratronics as a type B shipment using the F-430, USA-9290-B(U) transport package.

Purpose for amendment is to extend expiration date as well as increase total approved activity. SwRI has exported more than 75% of previous requested maximum and has requests to export significantly more activity back to Best Theratronics, in Canada the country of origin.

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CHEMISTRY AND CHEMICAL ENGINEERING

May 13, 2021

Mr. David Skeen,
Deputy Director
Office of Controls and Nonproliferation Branch
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville Maryland 20852

Dear Mr. Skeen,

Southwest Research Institute (SwRI) is requesting an amendment to our existing export license (PXB236.00) to extend its expiration date by 12 months as well as increase the maximum total activity allowed. SwRI has already exported more than 75% of the old ceiling back to Canada and still has material that is destined to be exported. We currently have two GC-3000's in the process to be ready for export as well as 2 bulk shipments being planned. We have requested the maximum total activity for Cs-137 be increased by 3,300 TBq (90 kCi) to a grand total of 4,400 TBq (120 kCi). No change to the Cobalt-60 Maximum is needed. We look forward to your affirmative evaluation of our request.

The following items are included with this letter for your inspection:

- Updated NRC Form 7 (07-2019)
- A copy of Best Theratronics LTD. Nuclear Substance Processing Facility License NSPFL-14.00/2029.

Please feel free to contact me with any questions at (210) 522-5428 or mdammann@swri.org.

Best Regards,

 Digitally signed by Mike Dammann
Date: 2021.05.13 14:44:33 -05'00'

Mike Dammann
Director R&D



Benefiting government, industry and the public through innovative science and technology