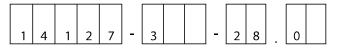


Applicable CNSC licence number



Annual Compliance Reporting Form

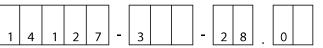
Select the applicable form from the dropdown list. ACR forms are customized for the activity authorized by the licence. The licensed activity name and number (e.g. "101 - Operate an industrial accelerator"), can be found on each licence under section IV) Licensed Activities.

If you need a hard copy of this ACR form, please contact your CNSC licensing officer at 1-888-229-2672.

Licensed Activity 565 - Service (by independant provider) Class II prescribed equipment

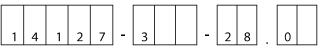
Generate Form





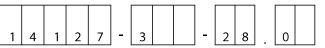
Declaration of Licensee Representative		
I Matthew Efse	aff	having the authority to act for the licensee pursuant to Section 15 of the General Nuclear Safety and Control
Regulations, certify that all statements and representations mad	de in this Annual Compliance Report and any supp	lementary pages appended to this report are true and correct to the best of my knowledge.
Title		Date (YYYY-MM-DD)
Radiation Safety Officer		2022-02-28
It is an offence under the Nuclear Safety and Control Act to kno For questions related to the Accelerators and Class II Facilities I When complete, please submit this form via email to <u>acr-rac@c</u>	Division (ACFD) ACR, contact your CNSC Project Of	ïcer.
Print Form	Submit by Email	
		ee's activity. To request an amendment, including changes in licensee's uthority, signing authority), please submit your request separately to the
	The ACR <u>can not</u> be used by licensees to re	quest changes to the licence.
	Any changes requiring a licence amendment the Project Officer when you become award	nt or to comply with licence conditions must be submitted separately to e of the change.





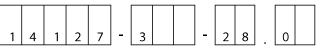
Licensee Organization Information								
Licensee Name								
Best Theratronics Ltd.								
Licensee Business Number Licensee Corporation Number								
8 3 , 0 2 8 , 3 5 F 6883508								
Reporting Period								
There should not be any lapse from previous ACR repor	ting period. Do not report for future dates. The reporting	period shall cover a full year.						
From		То						
2021-01-01		2021-12-31						
Head Office Address								
Street Address								
413 March Road								
City	Province/State	Country	Postal/Zip Code					
Ottawa	ON	Canada	K2K 0E4					
Mailing Address								
The mailing address is the address to which all CNSC corr	espondence will be mailed.							
Check here if same as Head Office Address								
Street Address								
413 March Road								
City	Province/State	Country	Postal/Zip Code					
Ottawa	ON	Canada	K2K 0E4					





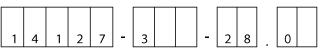
Radiation Safety Officer (RSO)						
Name		Title				
Matthew Efseaff		Radiation Safety Officer				
Telephone Number	Alternate Telephone Number		E-mail Address			
613-591-2100 x 2762	613-769-3408		matthew.efseaff@theratronics.ca			
Alternate (if applicable)						
Please provide information of an alternate contact to the RSO in this section Refer to Class II Nuclear Facilities and Prescribed Equipment Regulations sect https://laws.justice.gc.ca/eng/regulations/sor-2000-205/page-1.html		the certified RSO during the RSO's abso	ence for not more than 60 working days in any consecutive 365-day period.			
Name		Title				
Marilee Jackson		Radiation Safety Specialist				
Contact information						
Telephone Number	Alternate Telephone Number		E-mail Address			
613-591-2100 x 2028	613-217-8127		marilee.jackson@theratronics.ca			
Signing Authority						
The RSO is typically appointed as signing authority. The signing authority is a	uthorized to act for the applicant or lic	ensee for all matters encompassed by t	the CNSC licence.			
Check here if same as 'Radiation Safety Officer'						
Name		Title				
Matthew Efseaff		Radiation Safety Officer				
Contact information						
Check here if same as 'Radiation Safety Officer'						
Telephone Number	Alternate Telephone Number		E-mail Address			
613-591-2100 x 2762	613-769-3408		matthew.efseaff@theratronics.ca			





Financial Contact (if applicable)							
Information required only for fee paying licensees.							
Name			Title				
Kimberly Parsons			Accounts Payable				
Contact information							
Telephone Number		Alternate Telephone Number		E-mail Address			
613-591-2100 x 1613		N/A		kimberley.parsons	s@theratronics.ca		
Mailing Address							
Check here if same as 'Head Office' Address							
Street Address							
413 March Road							
City	Province/State		Country		Postal/Zip Code		
Ottawa	ON		Canada		K2K 0E4		
Applicant Authority							
The applicant authority is an individual at the senior ma It is a regulatory requirement to notify the CNSC within							
Name			Title				
Krishnan Suthanthiran			President				
Contact information							
Telephone Number		Alternate Telephone Number	E-mail Address				
703-451-2378 x 104			krish@teambest.c		com		
Mailing Address							
Check here if same as 'Head Office' Address							
Street Address							
413 March Road							
City	Province/State		Country		Postal/Zip Code		
Ottawa	ON		Canada		K2K 0E4		





Inv	ventory: Sealed Sources (L	ist only sealed sources that are i	not contained in a radiat	ion device)			
Ente	er your inventory of CNSC-licensed sea	aled sources specific to this licence in the table	below. Report one source per line.				
	Check here if you currently have no so	ealed sources in inventory.	Date of in 2022-02-0	ventory (YYYY-MM-DD) 7			
req	ired information, or see <u>www.nuclear</u>	page may be submitted as a separate spreadshe <u>rsafety.gc.ca/acr</u> for templates. tch of seed sources (e.g.: I-125, etc.) along with t			preadsheet uses the same hea	dings as in the tab l e be	low, and contains all
+							
		List or	Sealed Source(s) Ny sealed sources that are not conta				
	Manufacturer	Model	Serial Number (N/A for seed sources)	Nuclear Substance	Current Activity	Quantity (seed sources only)	Activity Units
-	Nordion	C-146	S-6306	Со-60	262.6	N/A	ТВq
For	all sealed nuclear substances that hav	re been transferred or disposed of during the re	porting period, please include a cor	by of the transfer document v	vith the ACR submission.		
	litional information	led sources are tracked and reported under the	Class 18 licence [NSPEL 14.00/2020				
Ine	majority of Best Theratronics Ltd sea	ied sources are tracked and reported under the	Class TD licence [INSPFL-14.00/2029	·]•			



Applicable CNSC licence number



Ascertainment of Doses: Whole Body

Provide a summary of the annual effective whole body radiation doses received by Nuclear Energy Workers (NEWs) and non-NEWs (workers not designated as NEWs) during the year ending December 31st. Provide the information in detail, as shown below. Only report doses for staff working in Canada.

NOTE: Please do **NOT** send personal sensitive information, such as social insurance numbers, to the CNSC. If the total number of workers reported for NEWs or Non-NEWs is less than ten (10), do **NOT** report the maximum individual dose.

	Number of Workers in each effective dose category								
	BDL †	> BDL † and ≤ 0.5 mSV	> 0.5 mSv and ≤ 1 mSv	> 1 mSv and ≤ 2 mSv	> 2 mSv and ≤ 5 mSv	> 5 mSv and ≤ 20 mSv	> 20 mSv	Dosimetry Service Provider ††	Maximum Individual Dose (mSv) †††
Number of NEWs	2	3	2	0	1	2	0	Landauer Inc	7.91
Number of Non-NEWs	0	0	0	0	0	0	0	N/A	0

† BDL = Below Detectable Limits for the dosimeter being used.

+ + Enter the name of the dosimetry service provider. If a dosimetry service provider is not used, enter "ESTIMATED" and provide brief details on how dose estimates were derived in the additional information area below.

+ + + Do not enter a non-personal dose that was the subject of a CNSC approved dose change request.

In accordance with the Radiation Protection Regulations, doses must be reported for a CALENDAR YEAR (January 1 to December 31). Please report your doses for the calendar year preceding your ACR due date (e.g. regardless of the ACR reporting date in licence condition 2912 on your licence, always report the doses for the period Jan 1 - Dec 31 of the previous calendar year).

Additional Information

All workers monitored under this licence are NEW Service technicians. Doses also include service work conducted outside of Canada and under two other licenses (NSPFL-14.00/2029 & 14127-8-24.0).

Both doses in the >5 to <=20 mSv category include false dose contributions due to workers passing their dosimeters through airport xray security scanners. Approximately 50-80% of these two doses reported above could be due to airport xray scanners. A full report was made to our previous project officer, Yani Picard, on Nov. 17, 2021, and corrective actions have been taken.



Applicable CNSC licence number



Ascertainment of Doses – Extremity

Provide a summary of the annual equivalent extremity radiation doses received by Nuclear Energy Workers (NEWs) and non-NEWs (workers in position not designated as NEWs) during the year ending December 31st. Provide the information in detail, as shown below. Only report dose for staff working in Canada.

NOTE: Please do **NOT** send personal sensitive information, such as social insurance numbers, to the CNSC. If the total number of workers reported for NEWs or Non-NEWs is less than ten (10), do **NOT** report the maximum individual dose.

Check here if your organization has no extremity dose information to submit for the reporting period.

	Number of Workers in each effective dose category								
	< 10 mSv	≥ 10 mSv and ≤ 50 mSv	> 50 mSv and ≤ 100 mSV	> 100 mSv and ≤ 200 mSv	> 200 mSv and ≤ 350 mSv	>350 mSv and ≤ 500 mSv	> 500 mSv	Dosimetry Service Provider †	Maximum individual dose (mSv) ††
Number of NEWs	9	1	0	0	0	0	0	Landauer Inc	11.39
Number of Non-NEWs	0	0	0	0	0	0	0	N/A	0

+ Enter the name of the dosimetry service provider. If a dosimetry service provider is not used, enter "ESTIMATED" and provide brief details on how dose estimates were derived in the additional information area below.
+ Do not enter a non-personal dose that was the subject of a CNSC approved dose change request.

In accordance with the Radiation Protection Regulations, doses must be reported for a CALENDAR YEAR (January 1 to December 31). Please report your doses for the calendar year preceding your ACR due date (e.g. regardless of the ACR reporting date in licence condition 2912 on your licence, always report the doses for the period Jan 1 - Dec 31 of the previous calendar year).

Additional Information

Each worker is issued two extremity dose rings (right and left hands). The higher of the the two ring values per worker is reported.

The dose in the >=10 to <=50 mSv category include false dose contributions due to a worker passing his dosimeters through airport xray security scanners. Approximately 50-80% of this dose reported above could be due to airport xray scanners. A full report was made to our previous project officer. Yani Picard, on Nov. 17, 2021, and corrective actions have been taken.



Applicable CNSC licence number



Oversight Activities – Safety Performance Indicators

Provide information regarding any regulatory oversight activity performed during the reporting period. Note that provision of this information is not a regulatory requirement; CNSC requests this information in order to examine nuclear-safety-related trends and to inform future compliance strategies.

✓ Performed review of radiation safety policies and procedures

Performed self-audit/inspection of radiation safety program¹

- Performed peer-audit/inspection of radiation safety program²
- ✓ Other (please describe)

Other regulatory oversight activity or additional information

Previous RSO (at Best through Sept. 2021) completed a self-audit/gap-analysis in January of 2021 on SOR2000-203.

The Class 1B license at Best Theratronics (NSPFL-14.00/2029) had a Radiation Protection Program audit completed in January of 2022 which covered many of the overlapping radiation areas of this Class II license for the 2021 year.

- 1. Self audit/inspection is defined as an audit conducted by internal team members to determine the extent of compliance with the act, the regulations and the licence.
- 2. A peer audit/inspection is defined as an audit/inspection conducted by participants who have no direct responsibility in the work/process being audited in order to maintain objectivity.



Applicable CNSC licence number



Transport Carriers

List all carriers employed to transport radioactive materials for the purposes of this licence during the reporting period. Note that provision of this information is not a regulatory requirement; CNSC requests this information in order to examine nuclear-safety-related trends and to inform future compliance strategies. + Carrier Name Contact Telephone Full name of contact (if available) Location of Carrier (City, Province) Cassidy's Transfer & Storage Ltd N/A Pembroke, Ontario (613) 735-6881 x 113 -N/A Jade Transportation Services (613) 543-1908 Morrisburg, Ontario

Note: Do not list all shipments, list only carriers hired to transport radioactive materials for the purposes of this licence during the reporting period. DO NOT include licensee employees in this list. If no carriers were hired, leave the table blank. If using the same carrier, there should be only one entry in the table.