



Applicable CNSC licence number

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Annual Compliance Reporting Form

Select the applicable form from the dropdown list and click on "Generate Form" button to apply your selection. ACR forms are customized for the activity authorized by the licence. The licensed activity name and number (e.g. 812 - industrial radiography) can be found on each licence under section IV Licensed Activities.

If you selected the wrong licensed activity, in order to change it, select the correct licensed activity then the "generate form" button.

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

Licensed Activity 822 - Servicing, installation and dismantling of devices – basic servicing

Generate Form



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Declaration of Licensee Representative

Name Matthew Efseaff	having the authority to act for the licensee pursuant to section 15 of the <u>General Nuclear Safety and Control Regulations</u>
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Regulations, certify that all statements and representations made in this Annual Compliance Report and any supplementary pages appended to this report are true and correct to the best of my knowledge.

Title Radiation Safety Officer	Date (please use dropdown calendar for the date) 2022-02-07
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It is an offence under the *Nuclear Safety and Control Act* to knowingly make a false report.

For questions related to Nuclear Substances and Radiation Devices (NSRD) ACR, contact your licensing specialist or send an email to licence-permis@cnscccsn.gc.ca.


When complete, please submit this form via email to acr-rac@cnscccsn.gc.ca

Print Form

Submit by Email



ACR forms are intended to report the licensee's activity. To request an amendment, including changes in licensee's representatives (RSO, alternate, applicant authority, signing authority), please submit your request separately to the CNSC.



The ACR **can not** be used by licensees to request changes to the licence.

The ACR is not to be used to notify the CNSC of a new or decommissioned licensed location. Any changes requiring a licence amendment or to comply with licence conditions must be submitted separately to the Licensing Specialist when you become aware of the change.



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Licensee Organization Information

Licensee Name Best Theratronics Ltd.													
Licensee Business Number								Licensee Corporation Number					
8	3	0	2	8	3	5	5		6883508				

Reporting Period

There should not be any lapse from the previous ACR reporting period. Do not report for future dates. The reporting period should end within 60 days prior the ACR due date.

From (please use the dropdown calendar for the date) 2021-01-01	To (please use the dropdown calendar for the date) 2021-12-31
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Head Office Address

Street Address 413 March Road			
City Ottawa	Province / State ON	Country Canada	Postal / Zip Code K2K 0E4

Mailing Address

The mailing address is the address to which all CNSC correspondence will be mailed.

Check here if same as Head Office Address

Street Address 413 March Road			
City Ottawa	Province / State ON	Country Canada	Postal / Zip Code K2K 0E4



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Radiation Safety Officer (RSO)

It is a regulatory requirement to notify the CNSC within 15 days of a change in the radiation safety officer. Section 15 of the General Nuclear Safety and Control Regulations.

To request a change in RSO, complete the appropriate forms:

[Request to Appoint a RSO or an Alternate RSO](#)

[Request to Appoint a RSO or an Alternate RSO for Low-Risk Use Types](#)

Name Matthew Efseaff		Title Radiation Safety Officer	
Telephone Number 613-591-2100 x 2762	Alternate Telephone Number 613-769-3408	E-mail matthew.efseaff@theratronics.ca	

Alternate (if applicable)

Alternate RSO is necessary as a temporary replacement of the RSO during a his/her absence in order to ensure continuous oversight of the radiation protection program.

To request a change in alternate RSO, complete the appropriate forms:

[Request to Appoint a RSO or an Alternate RSO](#)

[Request to Appoint a RSO or an Alternate RSO for Low-Risk Use Types](#)

Check here if no alternate

Name Marilee Jackson		Title Radiation Safety Specialist	
Telephone Number 613-591-2100 x 2028	Alternate Telephone Number 613-217-8127	E-mail marilee.jackson@theratronics.ca	

Signing Authority

The RSO has signing authority unless specified otherwise. The signing authority is authorized to act for the licensee for all matters encompassed by the CNSC licence.

Check here if same as Radiation Safety Officer

Name Matthew Efseaff		Title Radiation Safety Officer	
Telephone Number 613-591-2100 x 2762	Alternate Telephone Number 613-301-6257	E-mail matthew.efseaff@theratronics.ca	



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Financial Contact (if applicable)

Information required only for fee paying licensees.

Name Kimberly Parsons		Title Accounts Payable	
Telephone Number 613-591-2100 x 1613	Alternate Telephone Number N/A	E-mail kimberley.parsons@theratronics.ca	

Mailing Address - Financial Contact

Check here if same as Head Office Address

Street Address 413 March Road			
City Ottawa	Province / State ON	Country Canada	Postal / Zip Code K2K 0E4

Applicant Authority

The applicant authority is an individual at the senior management level that has sufficient authority to direct financial and human resources to address any issue of non-compliance as identified by the CNSC. It is a regulatory requirement to notify the CNSC within 15 days of a change in the applicant authority. Section 15 of the [General Nuclear Safety and Control Regulations](#).

Name Krishnan Suthanthiran		Title President	
Telephone Number 703-451-2378 x 104	Alternate Telephone Number	E-mail krish@teambest.com	

Mailing Address - Applicant Authority

Check here if same as Head Office Address

Street Address 413 March Road			
City Ottawa	Province / State ON	Country Canada	Postal / Zip Code K2K 0E4



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Licensed Locations

Report all locations where the licensed activity (used and/or stored) has been conducted for more than 90 consecutive days. The continuity of consecutive days is not broken during off-site use or off-site temporary storage.

Note: The information requested on this page may be submitted as a separate spreadsheet attached to the same email as this form. Please ensure your spreadsheet uses the same headings as in the table below, and contains all required information, or see www.nuclearsafety.gc.ca/acr for templates.

	Licensed Location				Location Contact Person		
	Licensed Location				Location Contact Person		
	Licensed Location				Location Contact Person		
	Licensed Location				Location Contact Person		
	Licensed Location				Location Contact Person		
	Licensed Location				Location Contact Person		
	Licensed Location				Location Contact Person		
	Licensed Location				Location Contact Person		
+	Building	Address or Geographical Coordinates *	City, Province	Postal Code	Name and Title	Telephone Number	E-mail
-							

*GPS coordinates must be in the following format: ##.####N, ###.####W
 Post office box is not acceptable.

If a location is not listed in the ACR, it will not be considered as advising the CNSC that a location is decommissioned. Proper notification and decommissioning process need to be followed. If the licence requires an amendment to reflect the decommissioned location, contact your licensing specialist.

Additional information

There has been no licensed activity in any off-site location that reached or exceeded 90 days in Canada within the reporting period.



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Financial Guarantees

Calculation of financial guarantees is obtained by adding the number of sealed sources with an activity equal or greater than 50 MBq and/or radiation devices. The data used is extracted from the ACR, therefore it is important to submit accurate information.

In accordance with the requirement of the CNSC Financial Guarantee program, report the number of individual sealed sources not contained in a radiation device with an activity greater or equal to 50 MBq and/or the number of radiation devices in possession. The information submitted for the purpose of calculating the financial guarantee must reflect the inventory provided within 60 days of the ACR due date.

Date of Inventory (please use the dropdown calendar for the date)	Sealed Sources ≥ 50 MBq (not contained in a radiation device)	Radiation Devices
2022-02-08	0	0

Additional information

All of Best Theratronics Ltd sealed sources and radiation devices are tracked and reported under the Class 1B licence [NSPFL-14.00/2029] and associated financial guarantee.



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Inventory: Sealed Sources (List only sealed sources that are not contained in a radiation device)

Enter your inventory of sealed sources specific to this licence in the table below. Report one source per line. The inventory provided must be within 60 days prior the ACR due date. Older inventory will be rejected.

<input checked="" type="checkbox"/> Check here if you currently have no sealed sources in inventory.	Date of inventory (please use the dropdown calendar for the date) 2022-02-08
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Note: The information requested on this page may be submitted as a separate spreadsheet attached to the same email as this form. Please ensure your spreadsheet uses the same headings as in the table below, and contains all required information, or see www.nuclearsafety.gc.ca/acr for templates.

Sealed Source(s)						
List only sealed sources that are not contained in a radiation device						
	Manufacturer	Model	Serial Number	Nuclear Substance	Current Activity	Activity Units
+						
-						

For all sealed sources that were transferred or disposed during the reporting period, include a copy of the transfer records with the ACR submission.

Additional information
All of Best Theratronics Ltd sealed sources and radiation devices are tracked and reported under the Class 1B licence [NSPFL-14.00/2029].



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Inventory: Radiation Devices Containing Sealed Sources

Enter your inventory of radiation devices specific to this licence in the table below. Report one source per line. The inventory provided must be within 60 days prior the ACR due date. Older inventory will be rejected.

<input checked="" type="checkbox"/> Check here if you currently have no radiation devices in inventory.	Date of inventory (please use the dropdown calendar for the date) 2022-02-08
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Note: The information requested on this page may be submitted as a separate spreadsheet attached to the same email as this form. Please ensure your spreadsheet uses the same headings as in the table below, and contains all required information, or see www.nuclearsafety.gc.ca/acr for templates.

If you have a radiation device that contains more than one source:

1. Enter the radiation device information as normal, and fill in the sealed source information for the first source in the device on the same line.
2. On subsequent lines, enter "Same as previous line" in the "Radiation Device Manufacturer and Model" field, then enter the info for the next sealed source in the radiation device.
3. Repeat step 2, until all sealed sources contained in the device have been reported.

	Radiation Device			Sealed Source(s) or Sealed Sources Assemblies contained within the Device					
	Radiation Device			Sealed Source(s) or Sealed Sources Assemblies contained within the Device					
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	Radiation Device			Sealed Source(s) or Sealed Sources Assemblies contained within the Device					

	Manufacturer of radiation device	Model of radiation device	Serial Number of radiation device	Manufacturer of sealed source	Model of sealed source	Serial Number of sealed source	Nuclear Substance	Current Activity	Activity Units
+									
-									

Additional information
All radiation devices that were transferred or disposed during the reporting period, include a copy of the transfer records with the ACR submission.



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Sealed Source Security Requirements

For more information about the categorization of sealed sources consult [REGDOC-2.12.3](#) or IAEA Safety Guide No. [RS-G-1.9](#).

1. Are you required to submit a security plan in accordance with Regulatory Document REGDOC-2.12.3, *Security of Nuclear Substances: Sealed Sources*?

- Yes No

2. If yes, has the approved security plan changed during the reporting period?

- Yes No

3. If yes, did you submit the revised security plan to CNSC's Nuclear Security Division?

- Yes No

Additional Information



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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 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 number, to the CNSC. If the total number of workers reported for NEWs or non-NEWs is less than ten (10) **do not** report the maximal individual dose.

	Number of Workers in each effective dose category							Dosimetry Service Provider ²	Maximum individual dose (mSv) ³
	BDL ¹	> BDL ¹ and ≤ 0.5	> 0.5 mSv and ≤ 1 mSv	> 1 mSv and ≤ 2 mSv	> 2 mSv and ≤ 5 mSv	> 5 mSv and ≤ 20 mSv	> 20 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

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

2 Enter the name of the licensed dosimetry 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.

3 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. 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 January 1 to December 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 for licence 14127-3-28, Yani Picard, on Nov. 17, 2021, and corrective actions have been taken.



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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 details, as shown below. Only report dose for staff working in Canada.

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

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

	Number of Workers in each equivalent dose category							Dosimetry Service Provider ¹	Maximum individual dose (mSv) ²
	< 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		
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	Landauer Inc	0

¹ Enter the name of the licensed dosimetry 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.

² 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. 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 January 1 to December 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 for licence 14127-3-28 Yani Picard, on Nov. 17, 2021, and corrective actions have been taken.




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Radiation Protection Program (RPP)

Have you made any unreported changes to your Radiation Protection Program during the reporting period?

- Yes
- No

If yes, submit the updates or revised RPP to CNSC.

 Changes to the Radiation Protection Program must be submitted to the CNSC as the changes are implemented

Additional Information



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Transport Carriers

List all carriers employed to transport radioactive materials for the purposes of this licence during the reporting period.

+	Carrier Name	Contact Telephone	Full name of contact (if available)	Location of Carrier (City, Province)
-	Cassidy's Transfer & Storage Ltd	(613) 735-6881 x 113	N/A	Pembroke, Ontario
-	Jade Transportation Services	(613) 543-1908	N/A	Morrisburg, Ontario

Note:

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

Additional Information