



Canada's Nuclear Regulator
L'organisme de réglementation
nucléaire du Canada

PROTECTED B when completed

Annual Compliance Reporting Form

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

Usetype (822)

Revision Date: September 2016



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

Page 1 of 15

Canada 



Declaration of Licensee Representative

I, 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 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	Date (YYYY-MM-DD)
Radiation Safety Officer	2021-03-15

It is an offence under the Nuclear Safety and Control Act to knowingly make a false report.
For more information, or for questions on the content and/or filling of ACR forms, please contact the CNSC Directorate of Nuclear Substance Regulation at 1-888-229-2672.
When complete, please submit this form via email to cnsacrac.ccsn@canada.ca or by fax to 613-995-5086.



Licensee Organization Information

Licensee Name		Licensee Corporation Number (if applicable)	
Best Theratronics Ltd.		6883508	
Licensee Business Number (if applicable)		Licence Number	
830283554		14127-8-24.0	
Reporting Period			
This Annual Compliance Report covers the 12 month period.			
From		To	
2020-01-01		2020-12-31	
Head Office Legal Address			
Street Address			
413 March Road			
City	Province/State	Country	Postal/Zip Code
Ottawa	ON	Canada	K2K 0E4



Radiation Safety Officer (RSO)

Name Edna Sacay		Title Radiation Safety Officer	
Mailing Address			
Street Address 413 March Road		City Ottawa	
Province/State ON	Country Canada	Postal/Zip Code K2K 0E4	Telephone Number 613 591 2100 x2029
Alternate Telephone Number 343 996 5315	Facsimile 613 591 5680	Email Address edna.sacay@theratronics.ca	

Alternate Radiation Safety Officer (if applicable)

Check here if no alternate RSO

Name Leanne Sargent		Title Radiation Safety Specialist	
Mailing Address			
<input checked="" type="checkbox"/> Check here if same as "Radiation Safety Officer"			
Street Address 413 March Road		City Ottawa	
Province/State ON	Country Canada	Postal/Zip Code K2K 0E4	Telephone Number 613 591 2100 x2028
Alternate Telephone Number 519 500 7402	Facsimile 613 591 5680	Email Address leanne.sargent@theratronics.ca	



Financial Contact (if applicable)

Name Kimberley Parsons		Title Accounts Payable	
Mailing Address			
<input checked="" type="checkbox"/> Check here if same as "Radiation Safety Officer"			
Street Address 413 March Road		City Ottawa	
Province/State ON	Country Canada	Postal/Zip Code K2K 0E4	Telephone Number 613 591 2100
Alternate Telephone Number	Facsimile 613 591 6627	Email Address kimberley.parsons@theratronics.ca	

Signing Authority

<input checked="" type="checkbox"/> Check here if same as "Radiation Safety Officer"			
Name Edna Sacay		Title Radiation Safety Officer	
Mailing Address			
<input checked="" type="checkbox"/> Check here if same as "Radiation Safety Officer"			
Street Address 413 March Road		City Ottawa	
Province/State ON	Country Canada	Postal/Zip Code K2K 0E4	Telephone Number 613 591 2100 x2029
Alternate Telephone Number 343 996 5315	Facsimile 613 591 5680	Email Address edna.sacay@theratronics.ca	



Applicant Authority

Check here if same as "Radiation Safety Officer"

Name

Krishnan Suthanthiran

Title

President

Mailing Address

Check here if same as "Radiation Safety Officer"

Street Address

413 March Road

City

Ottawa

Province/State

ON

Country

Canada

Postal/Zip Code

K2K 0E4

Telephone Number

703 451 2378 x104

Alternate Telephone Number

Facsimile

Email Address

krish@teambest.com





Licensed Locations

Report all locations where the licensed activity has been conducted for more than 90 days during the reporting period.

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.

Building	Address or Geographical Coordinates *	City, Province	Postal Code	Location Contact Person		
				Name	Phone	Email (if applicable)

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

Comments

There has been no licensed activity that reached or exceeded 90 days in Canada within the reporting period. A list of servicing locations have been attached.



Inventory: Sealed Sources

Enter your inventory of CNSC-licensed sealed sources specific to this licence in the table below. Report one source per line.

Check here if you currently have no sealed sources in inventory.

Date of inventory (YYYY-MM-DD)

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
					<input type="text"/>
					<input type="text"/>
					<input type="text"/>

† If the Current Activity is not known, but is known for a date in the past, use the decay calculator located at <http://www.radprocalculator.com/Decay.aspx> to determine the Current Activity

Comments



Inventory: Financial Guarantees

In accordance with the requirements of the CNSC Financial Guarantee program, report the number of individual sealed sources not contained in a radiation device and/or the number of radiation devices containing greater than 50 MBq on the reporting date:

Sealed Sources > 50 MBq:

0

Radiation Devices > 50 MBq:

0





Inventory: Radiation Devices Containing Sealed Sources

Enter your inventory of CNSC-licensed radiation device(s) in possession in the table below. Report one device per line.

Check here if you currently have no radiation devices in inventory

Date of inventory (YYYY-MM-DD)

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 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 Source Assemblies contained within the Device					
Manufacturer & Model	Serial Number	Manufacturer	Model	Serial Number	Nuclear Substance	Current Activity †	Activity Units
							<input type="text"/>
							<input type="text"/>
							<input type="text"/>

† If the Current Activity is not known, but is known for a date in the past, use the decay calculator located at <http://www.radprocalculator.com/Decay.aspx> to determine the Current Activity

Comments



Transfer and Worker Qualifications

Please attest and certify the following statements by an "√".

I confirm that any and all transfers of nuclear substances and/or radiation devices during the reporting period were done in accordance with regulatory requirements.

I confirm that all authorized workers are trained to conduct licensed activities and that training is provided in accordance with referenced policies and procedures.

Comments



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.

NOTE: Please do NOT send personal information, such as social insurance numbers, etc. to CNSC.

	Number of Workers in each effective dose category							Dosimetry Service Provider ††	Maximum individual dose (mSv)
	(mSv)								
	BDL †	> BDL † and ≤ 0.5	> 0.5 and ≤ 1	> 1 and ≤ 5	> 5 and ≤ 20	> 20 and ≤ 50	> 50		
Number of NEWs	4	3	1	1	0	0	0	Landauer Inc	1.05
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 comments area below.

Comments

All 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 & 14127-3-28.0).



Ascertainment of Doses – Extremity Doses

If your organization monitors workers for extremity exposures, provide a summary of the extremity doses received by NEWs and non-NEWs during the year ending December 31 st. Provide the information in detail, as shown below.

NOTE: Please do NOT send personal information, such as social insurance numbers, etc. to CNSC.

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

	Number of Workers in each effective dose category							Dosimetry Service Provider †	Maximum individual dose (mSv)
	(mSv)								
	<10	>10 and ≤ 50	> 50 and ≤ 100	> 100 and ≤ 200	> 200 and ≤ 350	> 350 and ≤ 500	> 500		
Number of NEWs	8	0	0	0	0	0	0	Landauer Inc	2
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 comments area below.

Comments

All 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).



Radiation Protection Program

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

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

Yes No

Incidents and Unusual Occurrences

In accordance with the Nuclear Safety and Control Act and its Regulations, the CNSC must be notified of Reportable Events immediately after they occur. Has the CNSC been notified of all Reportable Events during the reporting period?

Yes No N/A - No Incidents



Transport Carriers

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

Carrier Name	Contact Telephone (ex. 123-456-7890)	Full name of Contact (if available)	Location of Carrier (City, Province)

NOTE: do not list all shipments, list only carriers used to transport packages during the reporting period. If using the same carrier, there should be only one entry in the table.

14127-8 2020 Canadian Servicing Locations

Date	Unit	Site	City
January 8-10	GC3000-0533 (Install New Unit)	Toronto General Hospital	Toronto, ON
January 8-10	GC3000-0329 (Removal of Unit)	Toronto General Hospital	Toronto, ON
January 23-24	Gamma GBx200-003	National Research Council	Ottawa, ON
February 13	Gammacell 1000 #0481	CHU Sainte-Justine	Montreal, QC
February 19	Gammacell 3000 #0268	Canadian Blood Services, BC & Yukon Blood Center	Vancouver, BC
March 12	Gammacell 1000 #0190	Canadian Blood Services	St. John, NB
March 10	Gammacell 3000 #0215	Canadian Blood Services	St. John's, NL
March 10	Gammacell 3000 #0004 & 3000 #0471	Canadian Blood Services	Brampton, ON
June 26	GC40-0241	University of Toronto	Toronto, ON
June 25	GC40-0248	University Health Network	Toronto, ON
June 24	GC40-0236	University Health Network	Toronto, ON
June 22	GC3000-0042	University Health Network Princess Margaret Hospital	Toronto, ON
June 23	GC40-0264	The Hospital for Sick Children	Toronto, ON
June 22	Gammacell 3000 #0472	The Hospital for Sick Children	Toronto, ON
June 23	Gammacell 3000-0252	McMaster University	Hamilton, ON
June 25	GC40-0174	Western University	London, ON
June 23	GC40-0220	McMaster University	Hamilton, ON
June 22	Gammacell 1000-0056	Hamilton Health Sciences-McMaster Site	Hamilton, ON
June 24	GC3000-0548	Mount Sinai Hospital	Toronto, ON
June 25	GC3000-0091	University Health Network	Toronto, ON
June 24	GC1000-0294	University Health Network	Toronto, ON
June 23	Gammacell 1000 #0475	St. Michael's Hospital	Toronto, ON
June 23	GC1000-0197	University Health Network	Toronto, ON
June 22	GC3000-0193	Sunnybrook Health Sciences Centre	Toronto, ON
June 22	Gammacell 1000-0513	University Health Network	Toronto, ON
June 17	GC3000-0255	University of Ottawa, Heart Institute	Ottawa, ON
June 25	GC3000-0193	Sunnybrook Health Sciences Centre	Toronto, ON
July 23	Gammacell 3000 #0215	Canadian Blood Services NL & Labrador Center	St. John's, NL
July 20	Gammacell 3000 #0233	Canadian Blood Services	Dartmouth, NS
July 21	GC3000-0352	Dalhousie University	Halifax, NS
July 14	GC3000-0224	Canadian Blood Services	Edmonton, AB

July 15	Gammacell GC 1000-0491	Redtag Technologies Inc.	Edmonton, AB
July 15	Gammacell GC 1000-1268	Redtag Technologies Inc.	Edmonton, AB
July 16	Gammacell GC40-0180	University of Calgary	Calgary, AB
July 17	GC3000-0366	Canadian Blood Services	Calgary, AB
July 21	GC3000-0466	Montreal Childrens' Hospital CUSM	Montreal, QC
July 22	GC3000-0386	Hema Quebec	St-Laurent, QC
July 21	Gammacell 3000 #381	Hospital Maisonneuve Rosemont	Montreal, QC
August 9-10	GC3000-0366	Canadian Blood Services	Calgary, AB
August 11-12	Theratron T780C-153	BC Cancer-Vancouver Centre	Vancouver, BC
October 21	Gammacell GC1000-0239	Canadian Blood Services	Regina, SK
October 22	Gammacell GC1000-0239	Canadian Blood Services	Regina, SK
November 24	Gammacell GC1000-0189	Hema Quebec	Saint Foy, QC
November 25	GC3000-0386	Hema Quebec	St-Laurent, QC
December 15	Gammacell 1000 #0265	Canadian Blood Services, BC & Yukon Blood Center	Vancouver, BC
December 16	Gammacell 3000 #0268	Canadian Blood Services, BC & Yukon Blood Center	Vancouver, BC
December 17	Gammacell 1000 #0467	Abbotsford Regional Hospital & Cancer Clinic	Abbotsford, BC
December 22	GC3000-0533	University Health Network	Toronto, ON