

# **Annual Compliance Reporting Form**

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

Usetype (822)

**Revision Date: September 2016** 





Page 1 of 15



Declaration of Licensee Representative	
I Mojgan Soleimani	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 sup	plementary pages appended to this report are true and correct to the best of my knowledge.
Title	Date (YYYY-MM-DD)
Radiation Safety Officer	2020-02-25
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 Directions of the CNSC Direction of the CNSC Di	torate of Nuclear Substance Regulation at 1-888-229-2672.
When complete, please submit this form via email to <a href="mailto:cnsc.acr-rac.ccsn@canada.ca">cnsc.acr-rac.ccsn@canada.ca</a> or by fax to 613-995-5086.	
Print Form	Reset Form



icensee Organization Information						
Licensee Name		Licensee Corporation Nur	mber (if applicable)			
Best Theratronics Ltd.			6883508			
Licensee Business Number (if applicable)		Licence Number	1			
830283554		14127-8-24.0				
Reporting Period						
This Annual Compliance Report covers the 12 month pe	eriod.					
From		То				
2019-01-01		2019-12-31				
Head Office Legal Address						
Street Address						
413 March Road						
City	Country		Postal/Zip Code			
Ottawa	ON	Canada		K2K 0E4		



Radiation Safety Officer (RSO)					
Name		Title			
Mojgan Soleimani		Radiation Safety Officer			
Mailing Address					
Street Address		City			
413 March Road		Ottawa			
Province/State	Country	Postal/Zip Code	Telephone Number		
ON	Canada	K2K 0E4	613 591 2100 x2766		
Alternate Telephone Number	Facsimile	Email Address			
613 355 7771 613 591 5680		mojgan.soleimani@theratronics.ca			
Alternate Radiation Safety Officer (if a	pplicable)				
Check here if no alternate RSO					
Name		Title			
Edna Sacay		Radiation Safety Specialist			
Mailing Address					
Check here if same as "Radiation Safety Officer"					
Street Address		City			
413 March Road		Ottawa			
Province/State	Country	Postal/Zip Code Telephone Number			
ON	Canada	K2K 0E4	613 591 2100 x2029		
Alternate Telephone Number	Facsimile	Email Address			
343 996 5315	613 591 5680	edna.sacay@theratronics.ca			

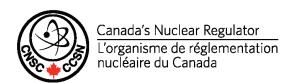


Financial Contact (if applicable)	nancial Contact (if applicable)					
Name		Title				
Bisher Khirbik		Finance Manager				
Mailing Address						
Check here if same as "Radiation Safety Officer"						
Street Address		City				
413 March Road		Ottawa				
Province/State	Country	Postal/Zip Code	Telephone Number			
ON	Canada	K2K 0E4	613 591 2100			
Alternate Telephone Number Facsimile		Email Address				
	613 591 6627	bisher.khirbik@theratronics.ca				
Signing Authority						
✓ Check here if same as "Radiation Safety Officer"						
Name		Title				
Mojgan Soleimani		Radiation Safety Officer				
Mailing Address						
Check here if same as "Radiation Safety Officer"						
Street Address		City				
413 March Road		Ottawa				
Province/State	Country	Postal/Zip Code Telephone Number				
ON	Canada	K2K 0E4 613 591 2100 x2766				
Alternate Telephone Number	Facsimile	Email Address				
613 355 7771	613 591 5680	mojgan.soleimani@theratronics.ca				





Applicant Authority								
Check here if same as "Radiation Safety Officer"	Check here if same as "Radiation Safety Officer"							
Name		Title						
Krishnan Suthanthiran		President						
Mailing Address								
✓ Check here if same as "Radiation Safety Officer"								
Street Address								
413 March Road								
City	Province/State	Country	Postal/Zip Code					
Ottawa	ON	Canada	K2K 0E4					
Telephone Number	Alternate Telephone Number	Facsimile						
703 451 2378 x104								
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 <a href="https://www.nuclearsafety.gc.ca/acr">www.nuclearsafety.gc.ca/acr</a> for templates.

Building	Address or	City,	Postal Code –	Location Contact Person			
building	Geographical Coordinates *	Province		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.



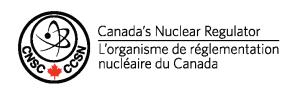


c to this licence in the table	below. Report one source p	per line.						
	1	Date of inventory (YYYY-MM-DD)						
rentory.								
NOTE: The information requested on this page may be submitted as a separate spreadsheet attached to the same email as this form. Please ensure your spreadsheet uses the same headings as in the table below, and contains all required information, or see <a href="https://www.nuclearsafety.gc.ca/acr">www.nuclearsafety.gc.ca/acr</a> for templates.								
Sealed Source(s) (List only sealed sources that are not contained in a radiation device)								
Model	Serial Number	ber Nuclear Substance Current Activity + Activity						
e in the past, use the decay	calculator located at http:/	/www.radprocalculator.com/Decay.aspx to de	ter mine the Current Activity					
	rentory.  itted as a separate spreadsh templates.  (List only sealed Model	rentory.  itted as a separate spreadsheet attached to the same extemplates.  Sealed So (List only sealed sources that are no	itted as a separate spreadsheet attached to the same email as this form. Please ensure your spreadsheet emplates.  Sealed Source(s)  (List only sealed sources that are not contained in a radiation device)  Model Serial Number Nuclear Substance	Date of inventory (YYYY-MM-DD)  itted as a separate spreadsheet attached to the same email as this form. Please ensure your spreadsheet uses the same headings as in the templates.  Sealed Source(s)  (List only sealed sources that are not contained in a radiation device)				





nventory: 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:  Radiation Devices > 50 MBq:						
0	0					



Inventory: Radiation Devices (	ventory: Radiation Devices Containing Sealed Sources									
Enter your inventory of CNSC-licensed radia	tion device(s) in possession ir	າ the table below. Report ເ	one device per	line.						
Check here if you currently have no radi	iation devices in inventory			Date of inventory (YYYY-MM-DD)						
NOTE: The information requested on this pa headings as in the table below, and contains	s all required information, or s				is form. Please ensure your s	oreadsheet uses the sa	ame			
If you have a device that contains more thar  1. Enter the radiation device inform  2. On subsequent lines, enter "Same source in the radiation device.  3. Repeat step 2, until all sealed sou	nation as normal, and fill in the e as previous line" in the "Rad	liation Device Manufacture				led				
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			
† If the Current Activity is not known, but is	known for a date in the past,	, use the decay calculator	located at http	o://www.rac	lprocalculator.com/Decay.as	ox to determine the C	urrent Activity			
Comments										

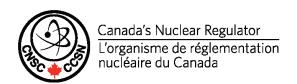




Transfer and Worker Qualifications
Please attest and certify the following statements by an "√".
✓ I confirm that any and all transfers of nuclear substances and/or radiation devices during the reporting period were done in accordance with regulatory requirements.
I confirm that all authorized workers 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									
(mSv)								Dosimetry Service Provider	Maximum individual dose
	BDL†	> BDL † and ≤ 0.5	> 0.5 and ≤ 1	> 1 and ≤ 5	> 5 and ≤ 20	> 20 and ≤ 50	> 50	††	(mSv)
Number of NEWs	1	8	2	1	1		0	Landauer Inc	5.33
Number of Non-NEWs	0	0	0	0	0	0	0	N/A	0

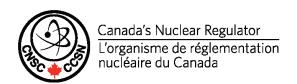
<sup>†</sup> BDL = Below Detectable Limits for the dosimeter being used.

tt 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).

NOTE (ver1): Doses distribution and maximum individual dose are based on the current doses in the NDR. A request has been submitted to the CNSC to correct two personnel doses in 2019. Please see next page (ver 2).



## **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 (mSv)								Dosimetry	Maximum
	BDL†	> BDL † and ≤ 0.5	> 0.5 and ≤ 1	> 1 and ≤ 5	> 5 and ≤ 20	> 20 and ≤ 50	> 50	Service Provider	individual dose (mSv)
Number of NEWs	1	9	3				0	Landauer Inc	1
Number of Non-NEWs	0	0	0	0	0	0	0	N/A	0

<sup>†</sup> BDL = Below Detectable Limits for the dosimeter being used.

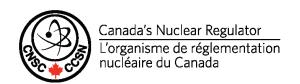
tt Enter the name of the dosimetry service provider. If a dosimetry service provider is not used, enter "ESTIMATED" and provide brief details on how dose estimates were derived in the comments area below.

#### 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).

NOTE (ver2): Doses distribution and maximum individual dose are based on the revised personnel doses awaiting CNSC approval to be updated in the NDR for exposures in 2019.





## **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.

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

<sup>†</sup> 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.

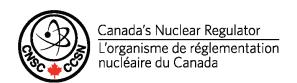
#### Comments

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).





<b>Radiation Protecti</b>	on 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 Nuc period?	clear Safety and Cor	ntrol Act and its Reg	ulations, the CNSC must be notified of Reportable Events immediately after they occur. Has the CNSC been notified of all Reportable Events during the reporting		
	Yes	☐ No	✓ N/A - No Incidents		



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 2019 Canadian Servicing Locations

Date	Unit	Site	City
February 6	GC40-0185	CHU de Québec	Sainte Foy, QC
February 6 February 14	GC40-0185 GC1000-0481	CHU Sainte-Justine	Montreal, QC
•			· ·
March 6	GC1000-0190	Canadian Blood Services	St John, NB
March 7	GC3000-0215	Canadian Blood Services	St John's NF
March 7	GC3000-0004	Canadian Blood Services	Brampton, ON
March 7	GC3000-0471	Canadian Blood Services	Brampton, ON
March 8	GC1000-0296	Canadian Blood Services	Dartmouth, NS
March 8	GC3000-0233	Canadian Blood Services	Dartmouth, NS
March 25	GC3000-0232	Canadian Blood Services	Ottawa, ON
April 6/7	GC1000-0513	University Health Network	Toronto, ON
May 15	GC1000-0294	University Health Network	Toronto, ON
May 21	GC1000-0430	Royal Columbian Hospital	Vancouver, BC
May 21	GC3000-0264	Amgen	Burnaby, BC
May 22	GC1000-0501	Surrey Memorial Hospital	Surrey, BC
June 1	GC3000-0548	Mt Sinai Hospital	Toronto, ON
June 15	GC1000-0199	Mt Sinai Hospital	Toronto, ON
June 27	GC3000-0366	Canadian Blood Services	Calgary, AB
July 4	GC3000-0535	Royal University Hospital	Saskatoon SK
July 4	GC1000-0190	Canadian Blood Services	St John, NB
July 5	GC1000-0239	Canadian Blood Services	Regina, SK
July 9	GC3000-0381	Hopital Maisonneuve - Rosemont	Montreal. QC
July 9	GC3000-0382	CHUM Research Cemtre	Montreal. QC
July 9	GC40-0220	McMaster University	Hamilton ON
July 10	GC1000-0056	Hamilton Health Sciences	Hamilton, ON
July 10	GC3000-0252	McMaster University	Hamilton ON
July 10	GC3000-0466	Montreal Children's Hospital CUSM	Montreal, QC
July 10	GC3000-0386	Hema Quebec	Montreal, QC
July 11	GC3000-0206	Canadian Blood Services	Winnipeg, MB
July 11	GC3000-0012	Canadian Blood Services	Winnipeg, MB
July 11	GC3000-0042	University Health Network	Toronto, ON
July 11	GC3000-0329	University Health Network	Toronto, ON
July 11	GC40-0174	Western University	London, ON
July 16	GC3000-0472	The Hospital for Sick Children	Toronto, ON
July 16	GC3000-0472	BC Children's & Women's Hospital	Vancouver, BC
July 17	GC40-0264	The Hospital For Sick Children	Toronto, ON
July 17	GC3000-0224	Canadian Blood Services	Edmonton, AB
•			· ·
July 18	GC40-0180	University of Calgary	Calgary, AB
July 18	GC40-0091	Mount Sinai Hospital	Toronto, ON
July 19	GC40-0241	University of Toronto	Toronto, ON
July 22	GC3000-0255	Ottawa Heart Inst.	Ottawa, ON
July 23	GC 1000-0475	St Michael's Hospital	Toronto, ON
July 24	GC1000-0197	University Health Network	Toronto, ON
July 24	GC3000-0091	University Health Network	Toronto, ON
July 25	GC3000-0193	Sunnybrook Health Sciences Center	Toronto, ON
July 29	GC40-0248	University Health Network	Toronto, ON

July 30	GC40-0236	University Health Network	Toronto, ON	1
August 19	GC3000-0381	Rosemont Hospital	Montreal, QC	1
August 29	GC1000-0239	Canadian Blood Services	Regina, SK	1
Sept 30	GC1000-0239	Canadian Blood Services	Regina, SK	1
Sept 30	GC220-0107	University of British Columbia	Vancouver, BC	1
October 7	GC220-233R	Canadian Science Centre	Winnipeg, MB	1
October 11	GC3000-0471	Canadian Blood Services	Brampton, ON	1
October 17	GC3000-0004	Canadian Blood Services	Brampton, ON	1
October 21	GC3000-0004	Canadian Blood Services	Brampton, ON	1
October 22/23	GC220-0203R	Univ of Western	London, ON	1
November 27	GC1000-0189	Hema-Quebec	Quebec City, QC	1
December 17	GC1000-0265	Canadian Blood Services	Vancouver, BC	1
December 18	GC3000-0268	Canadian Blood Services	Vancouver, BC	1
December 19	GC1000-0467	Abbotsford Regional Hospital	Vancouver, BC	ı