CNSC Cost Recovery Fees Schedule Formula and Fixed Fees 2023-24

Canadian Nuclear Safety Commission

Effective April 1, 2023

To meet Service Fees Act (SFA) requirements, fixed fees are changing and increasing annually, starting April 1, 2021, by a predetermined amount based on the Consumer Price Index (CPI).

CNSC Cost Recovery Fees Schedule Formula and Fixed Fees 2023-24

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Document availability

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1. INTRODUCTION

The fees schedule provided in this document relates to the Canadian Nuclear Safety Commission Cost Recovery Fees Regulations.

The fees structure reflects the characteristics of the different types of licences issued, the regulations to which they are subject, and the CNSC cost of regulating the licences. The primary focus of the CNSC's fee-setting process and structure is to directly link the fees to be charged to the costs of regulatory activities required for the issuance and maintenance of licences and certificates and to recover the full costs of these activities.

The schedule outlines the following:

- Formula Fees
- Fixed fees for certificates and transportation licences

2. FORMULA FEES

Formula fees apply to applicants and licensees in respect of:

- Class II Nuclear Facilities
- Class II Prescribed Equipment
- Dosimetry Services
- Nuclear substances and radiation devices to which the Nuclear Substances and Radiation Devices Regulations apply, except with respect to applications and licences for waste nuclear substance activities

The structure for formula fee licences sets fees on a standard basis across all licences of that type. The generic structure of the fee formula uses a series of components that are multiplied to calculate the applicable fee.

 $Fee = [base\ hours + (variable\ hours\ per\ unit \times number\ of\ units)] \times hourly\ rate \times compliance\ coefficient$

Detailed fees schedules are indicated in the following pages.

Class II Nuclear Facilities and Class II Prescribed Equipment

Hourly rate = \$275

Compliance Coefficient =

Linacs and/or electrostatic particle

Annual

Licence Fee

64.00

\$17,600.00

\$17,600.00

accelerator research facility with

(Commissioning & Operating)

Initial

Application Fee

115.00

\$31,625.00

\$31,625.00

1. LINAC AND/OR ELECTROSTATIC PARTICLE ACCELERATOR RESEARCH FACILITY

(a) Construct

Linacs and/or electrostatic particle accelerator research facility

Use Type = 518

Initial Annual

Application Fee Licence Fee

Base hours = 60.00 10.50

Fees Payable for 2023-2024

\$16,500.00 \$2,887.50 Total Minimum = Total Maximum = \$16,500.00 \$2,887.50

Fee = base hours x hourly rate x compliance coefficient

(b) Operate

Linacs and/or electrostatic particle accelerator research facility (Commissioning & Operating)

Use Type =

Initial Annual Application Fee Licence Fee

Base hours = 100.00 49.00

Fees Payable for 2023-2024

Total Minimum = \$27,500.00 \$13,475.00 Total Maximum = \$13,475.00 \$27,500.00

Fee = base hours x hourly rate x compliance coefficient

(c) Decommission

Linacs and/or electrostatic particle accelerator research facility

Use Type = 520 Initial

Application Fee

Base hours = 45.00

Fees Payable for 2023-2024

\$12,375.00 Total Minimum = \$12,375.00 Total Maximum =

Fee = base hours x hourly rate x compliance coefficient

2. CYCLOTRON FACILITY

(a) Construct

Cyclotron Facility

Use Type = 515

Initial Annual Application Fee Licence Fee

Base hours = 70.00 11.00

Fees Payable for 2023-2024

Total Minimum = \$19.250.00 \$3,025,00 Total Maximum = \$19,250.00 \$3,025.00

Fee = base hours x hourly rate x compliance coefficient

2. CYCLOTRON FACILITY

(b) Operate

Cyclotron Facility Cyclotron facility with service (Commissioning & Operating) (Commissioning & Operating) Use Type = 516 616 Initial Initial Annual Annual Application Fee Licence Fee Application Fee Licence Fee Base hours = 130.00 51.00 145.00 66.00

Fees Payable for 2023-2024

\$18.150.00 Total Minimum = \$35,750,00 \$14.025.00 \$39,875.00 Total Maximum = \$35,750.00 \$14,025.00 \$39,875.00 \$18,150.00

Fee = base hours x hourly rate x compliance coefficient

c) Decommission

Cyclotron Facility

Use Type = 517 Initial Application Fee

Base hours = 50.00

Fees Payable for 2023-2024

Total Minimum = \$13,750.00 \$13,750.00 Total Maximum =

Fee = base hours × hourly rate × compliance coefficient

3. Accelerator

Geophysical logging accelerator (Commissioning & Operating) 504

Use Type =

Initial Annual Application Fee Licence Fee

Base hours = 6.00 4.25 Hours per Location = 4.00 6.45

Fees Payable for 2023-2024

Total Maximum =

Total Minimum = \$2,750.00 \$2,942.50 Total Maximum = unlimited unlimited

unlimited

Fee = [base hours + (variable hours per location x number of locations)] x hourly rate x compliance coefficient

Neutron generator accelerator -Neutron generator accelerator -Neutron generator accelerator industrial applications industrial applications industrial applications (Construction) (Commissioning & Operating) (Decommissioning) 507 Use Type = Initial Initial Annual Initial Annual Application Fee Application Fee Licence Fee Application Fee Licence Fee 18.00 Base hours = 40.00 10.00 30.00 29.50 Hours per Location = 1 00 2.00 1.55 Fees Payable for 2023-2024 4,950.00 Total Minimum = 11,275.00 2,750.00 8,800.00 8,538.75

unlimited

unlimited

4.950.00

Construction annual fee = base hours \times hourly rate \times compliance coefficient Decommissioning initial application fee = base hours $\mathbf x$ hourly rate $\mathbf x$ compliance coefficient

Remaining fees = [base hours + (variable hours per location × number of locations)] × hourly rate × compliance coefficient

2,750.00

PARTICLE ACCELERATOR MEDICA (a) Construct	AL I AOILII I					
•	Particle accelerate					
Use Type =	52 Initial					
	Initial Application Fee	Annual Licence Fee				
Base hours = Hours per Bunker =	40.00 3.00	10.50				
Fees Payable for 2023-2024						
Total Minimum = Total Maximum =	\$11,825.00 unlimited	\$2,887.50 \$2,887.50				
Annual fee = base hours x h Initial fees = [base hours + (v			nkers)] × hourly rate ×	compliance coefficient		
(b) Operate			,, ,			
			Consolidated pa	rticle accelerator	Consolidated par	ticle accelerator
	Particle accelerate (Commissionin			y with service	medical (Commissionin	facility
Use Type =	52		52		52	
	Initial Application Fee	Annual Licence Fee	Initial Application Fee	Annual Licence Fee	Initial Application Fee	Annual Licence Fee
Base hours =	81.00	32.00	25.00	134.00	8.00	88.00
Hours per Bunker =	6.00	6.00	1.00	7.00	1.00	6.00
Fees Payable for 2023-2024	\$22.00F.CC	640 450 00	67.450.00	eae 775 00	eo 475 co	\$05.050.00
Total Minimum = Total Maximum =	\$23,925.00 unlimited	\$10,450.00 unlimited	\$7,150.00 unlimited	\$38,775.00 unlimited	\$2,475.00 unlimited	\$25,850.00 unlimited
	Consolidated pa medical facil brachytherap (Commissionin	ity & manual y with service	•	rticle accelerator anual brachytherapy g & Operating)		
Use Type =	52		52	7		
ОЗЕ ТУРЕ –	Initial	Annual	Initial	Annual		
	Application Fee	Licence Fee	Application Fee	Licence Fee		
Base hours =	37.00	147.00	20.00	101.00		
Hours per Bunker =	1.00	7.00	1.00	6.00		
Fees Payable for 2023-2024						
Total Minimum = Total Maximum =	\$10,450.00 unlimited	\$42,350.00 unlimited	\$5,775.00 unlimited	\$29,425.00 unlimited		
	Consolidated pa medical facilit (Commissioning decommi	y with service , Operating and	medica (Commissioning	rticle accelerator I facility g, Operating and ssioning)	Consolidated par medical facili brachytherapy (Commissioning	ity & manual with service
	-		-		decommissioning)	
Use Type =	62 Initial		62 Initial		62 Initial	
	Initial Application Fee	Annual Licence Fee	Initial Application Fee	Annual Licence Fee	Initial Application Fee	Annual Licence Fee
Base hours =	39.00	142.00	22.00	96.00	51.00	155.00
Hours per Bunker =	1.00	9.00	1.00	8.00	1.00	9.00
Fees Payable for 2023-2024 Total Minimum =	\$11,000.00	\$41,525.00	\$6,325.00	\$28,600.00	\$14,300.00	\$45,100.00
Total Maximum =	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited
	Consolidated pa medical facil brachyi (Commissioning decommi	ity & manual herapy , Operating and				
Use Type =	62					
	Initial Application Fee	Annual Licence Fee				
Base hours =	34.00	109.00				
Hours per Bunker =	1.00	8.00				
Fees Payable for 2023-2024 Total Minimum = Total Maximum =	\$9,625.00 unlimited	\$32,175.00 unlimited				

4. PARTICLE ACCELERATOR MEDICAL FACILITY

(c) Decommission

Particle accelerator medical facility

Use Type = 523

Initial Application Fee

Base hours = 30.00

Fees Payable for 2023-2024

Total Minimum = \$8,250.00 Total Maximum = \$8,250.00

Fee = base hours x hourly rate x compliance coefficient

5. POOL-TYPE IRRADIATOR FACILITY

(a) Construct

Pool-type irradiator facility

Use Type = 537

Initial

Annual

Application Fee Licence Fee

Base hours = 70.00 10.00

Fees Payable for 2023-2024

Total Minimum = \$19,250.00 \$2,750.00

Total Maximum = \$19,250.00 \$2,750.00

(b) Operate

Pool-type irradiator facility (Commissioning & Operating)

Pool-type irradiator facility with service

(Commissioning & Operating)

Use Type = 538

Fee = base hours x hourly rate x compliance coefficient

Initial Annual

638 Initial Annual

Application Fee Licence Fee Application Fee Licence Fee

Base hours = 92.00 27.00 107.00 42.00

Fees Payable for 2023-2024

Total Minimum = \$25,300.00 \$7,425.00 \$29,425.00 \$11,550.00
Total Maximum = \$25,300.00 \$7,425.00 \$29,425.00 \$11,550.00

Fee = base hours \times hourly rate \times compliance coefficient

(c) Decommission

Pool-type irradiator facility

Use Type = 539

Initial

Application Fee

Base hours = 120.00

Fees Payable for 2023-2024

Total Minimum = \$33,000.00 Total Maximum = \$33,000.00

Fee = base hours x hourly rate x compliance coefficient

6. CALIBRATION IRRADIATOR FACILITY

(a) Construct

Calibration Irradiator Facility

Use Type = 531

Initial Annual Application Fee Licence Fee

Base hours = 10.00 30.00

Fees Payable for 2023-2024

Total Minimum = \$8.250.00 \$2,750.00 \$8,250.00 Total Maximum = \$2,750.00

Fee = base hours x hourly rate x compliance coefficient

(b) Operate

Calibration Irradiator Facility

(Commissioning & Operating)

532 Use Type =

Annual Application Fee Licence Fee

Base hours = 67.00 48.00

Fees Payable for 2023-2024

Total Minimum = \$18,425.00 \$13,200.00

Total Maximum = \$18,425.00 \$13,200.00

Fee = base hours x hourly rate x compliance coefficient

(c) Decommission

Calibration Irradiator Facility

Use Type = 533

Initial Application Fee

Base hours = 23.00

Fees Payable for 2023-2024

Total Minimum =

Total Maximum = \$6,325.00

\$6,325.00

Fee = base hours x hourly rate x compliance coefficient

7. OTHER IRRADIATOR FACILITY

(a) Construct

Other Irradiator Facility

Use Type =

Initial Annual

Application Fee Licence Fee

Base hours = 30.00 11.00

Fees Payable for 2023-2024

Total Minimum = \$8,250.00 \$3,025.00 Total Maximum = \$8,250.00 \$3,025.00

Fee = base hours x hourly rate x compliance coefficient

(b) Operate

Other Irradiator Facility Other Irradiator Facility with service (Commissioning & Operating) (Commissioning & Operating)

635

Use Type = 535

Initial Annual Initial Annual **Application Fee** Licence Fee **Application Fee** Licence Fee

Base hours = 63.00 48.00 78.00 63.00

Fees Payable for 2023-2024

\$17.325.00 \$13.200.00 \$21,450.00 \$17.325.00 Total Minimum = \$13,200.00 \$17,325.00 Total Maximum = \$17,325.00 \$21,450.00

Fee = base hours x hourly rate x compliance coefficient

7. OTHER IRRADIATOR FACILITY (c) Decommission

Other Irradiator Facility

Use Type = 536 Initial

Application Fee

Base hours = 24.00

Fees Payable for 2023-2024

\$6,600.00 Total Minimum = \$6,600.00 Total Maximum =

Fee = base hours × hourly rate × compliance coefficient

8. RADIOACTIVE SOURCE TELETHERAPY MACHINE

(a) Construct

Radioactive source teletherapy Radioactive source teletherapy machine machine - veterinary 541: 560 544 Use Type = Initial Annual Initial Annual Application Fee Licence Fee Application Fee Licence Fee Base hours = 39.00 10.00 40.00 10.00 3.00 3.00 Hours per Bunker = Fees Payable for 2023-2024 \$2,750.00 \$11,550.00 \$2,750.00 \$11,825.00 Total Minimum = Total Maximum = \$2,750.00 \$2,750.00 unlimited unlimited

Annual fee = base hours x hourly rate x compliance coefficient

Initial fee = [base hours + (hours per bunker × number of bunkers)] × hourly rate × compliance coefficient

(b) Operate

mac	hine	- vete	rinary	machine - veterir	ary with service
542;	561	54	5	64	5
Initial	Annual	Initial	Annual	Initial	Annual
Application Fee	Licence Fee	Application Fee	Licence Fee	Application Fee	Licence Fee
81.00	33.00	81.00	32.00	96.00	47.00
6.00	6.00	6.00	6.00	6.00	6.00
\$23,925.00 unlimited	\$10,725.00 unlimited	\$23,925.00 unlimited	\$10,450.00 unlimited	\$28,050.00 unlimited	\$14,575.00 unlimited
	(Commissionin 542; Initial Application Fee 81.00 6.00	Application Fee Licence Fee 81.00 33.00 6.00 6.00 \$23,925.00 \$10,725.00	The image is a second color of the image is a second color o	machine	machine

Initial fee & Annual fee = [base hours + (hours per bunker x number of bunkers)] x hourly rate x compliance coefficient

Radioactive source teletherapy machine - Decommissioning

Use Type = 543; 562

Initial Application Fee

Base hours = 30.00

Fees Payable for 2023-2024

\$8,250.00 Total Minimum = \$8,250.00 Total Maximum =

Initial fee = base hours × hourly rate × compliance coefficient

9. BRACHYTHERAPY FACILITY - HIGH DOSE RATE AND LOW DOSE RATE REMOTE AFTER LOADER

(a) Construct

Brachytherapy Facility - HDR/LDR Remote After Loader

551; 554 Use Type = Initial

Annual Application Fee Licence Fee

Base hours = 23.00 10.50

Hours per Bunker = 3.00

Fees Payable for 2023-2024

Total Minimum = \$7,150.00 \$2,887.50 Total Maximum = unlimited \$2,887.50

Annual fee = base hours × hourly rate × compliance coefficient

Initial fee = [base hours + (variable hours per bunker × number of bunkers)] × hourly rate × compliance coefficient

(b) Operate

Brachytherapy Facility - HDR/LDR

Remote After Loader

(Commissioning & Operating)

552; 555 Use Type =

> Initial Annual Application Fee Licence Fee

Base hours = 51.00 32.00

6.00 6.00 Hours per Bunker =

Fees Payable for 2023-2024

Total Minimum = \$15,675.00 \$10,450.00 Total Maximum = unlimited unlimited

Fee = [base hours + (variable hours per bunker x number of bunkers)] x hourly rate x compliance coefficient

10. BRACHYTHERAPY FACILITY - ANY REMOTE AFTERLOADER OTHER THAN HIGH OR LOW DOSE RATE

Use Type =

Initial Annual Application Fee Licence Fee

Base hours = 12.00 11.00

Fees Payable for 2023-2024

Total Minimum = \$3,300.00 \$3,025.00 Total Maximum = \$3,300.00 \$3,025.00

Fee = base hours x hourly rate x compliance coefficient

	Service - Clas equip	s II prescribed oment	Development and prescribed	•	Develop, test and prescribed	
Use Type =	565; 566		56	7	667	
	Initial Application Fee	Annual Licence Fee	Initial Application Fee	Annual Licence Fee	Initial Application Fee	Annual Licence Fee
Base hours =	30.00	48.00	81.00	41.00	100.00	70.00
Class II equipment type =	1.00	1.00	6.00	1.00	6.00	1.00
es Payable for 2023-2024						
Total Minimum = Total Maximum =	\$8,525.00 unlimited	\$13,475.00 unlimited	\$23,925.00 unlimited	\$11,550.00 unlimited	\$29,150.00 unlimited	\$19,525.00 unlimited

Fee = [base hours + (variable hours per type of Class II equipment x number of types of Class II equipment)] x hourly rate x compliance coefficient

Dosimetry Services	Hourly Rate = \$275
	Compliance Coefficient = 1

(Use Type 591)	Init	ial Application Fee	Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	45.00	\$12,375.00	79.00	\$21,725.00
Total Minimum =	45.00	\$12,375.00	79.00	\$21,725.00
Total Maximum =	45.00	\$12,375.00	79.00	\$21,725.00

(Use Type 592)	Initial Application Fee		Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	45.00	\$12,375.00	79.00	\$21,725.00
Total Minimum =	45.00	\$12,375.00	79.00	\$21,725.00
Total Maximum =	45.00	\$12,375.00	79.00	\$21,725.00

(Use Type 593)	Init	ial Application Fee	Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	45.00	\$12,375.00	79.00	\$21,725.00
Total Minimum =	45.00	\$12,375.00	79.00	\$21,725.00
Total Maximum =	45.00	\$12,375.00	79.00	\$21,725.00

(Use Type 594)	Init	ial Application Fee	Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	52.50	\$14,437.50	158.00	\$43,450.00
Total Minimum =	52.50	\$14,437.50	158.00	\$43,450.00
Total Maximum =	52.50	\$14,437.50	158.00	\$43,450.00

(Use Type 595)	Initial Application Fee		Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	45.00	\$12,375.00	79.00	\$21,725.00
Total Minimum =	45.00	\$12,375.00	79.00	\$21,725.00
Total Maximum =	45.00	\$12,375.00	79.00	\$21,725.00

(Use Type 596)	Init	ial Application Fee	Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	45.00	\$12,375.00	28.80	\$7,920.00
Total Minimum =	45.00	\$12,375.00	28.80	\$7,920.00
Total Maximum =	45.00	\$12,375.00	28.80	\$7,920.00

(Use Type 597)	Init	ial Application Fee	Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	45.00	\$12,375.00	79.00	\$21,725.00
Total Minimum =	45.00	\$12,375.00	79.00	\$21,725.00
Total Maximum =	45.00	\$12,375.00	79.00	\$21,725.00

(Use Type 598)	Initial Application Fee		Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	52.50	\$14,437.50	158.00	\$43,450.00
Total Minimum =	52.50	\$14,437.50	158.00	\$43,450.00
Total Maximum =	52.50	\$14,437.50	158.00	\$43,450.00

Nuclear Substances & Radiation Devices Hourly Rate = \$275 Compliance Coefficient = 1

(Use Type 815)	Init	ial Application Fee	Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	24.75	\$6,806.25	19.00	\$5,225.00
Hours per each of first 9 laboratories =	2.00	\$550.00	0.50	\$137.50
Hours per each of 10th to 39th laboratories =	0.70	\$192.50	1.25	\$343.75
Hours per each of 40th to 79th laboratories =	0.20	\$55.00	2.50	\$687.50
ours per each of 80th+ laboratories =	0.20	\$55.00	3.25	\$893.75
Total Minimum =	26.75	\$7,356.25	19.50	\$5,362.50
Total Maximum =	unlimited	unlimited	unlimited	unlimited

21. GAUGES (a) Fixed gauges				
(Use Type 814)	Init	ial Application Fee	Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	10.00	\$2,750.00	8.30	\$2,282.50
Hours per location =	3.30	\$907.50	0.95	\$261.25
Hours per each of the first 39 devices =			0.75	\$206.25
Hours per each of the 40th+ devices =			1.15	\$316.25
Total Minimum =	13.30	\$3,657.50	10.00	\$2,750.00
Total Maximum =	30.00	\$8,250.00	127.70	\$35,117.50

Initial application fee = [base hours + (variable hours per location x number of locations)] x hourly rate x compliance coefficient

Annual licence fee = [base hours + (variable hours per location x number of locations) + (variable hours per device x number of devices)] x hourly rate x compliance coefficient

(b) Portable gauges

(2) : Crazio gaagee				
(Use Type 811)	Init	ial Application Fee	Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	7.00	1,925.00	6.25	\$1,718.75
Hours per location =			1.60	\$440.00
Hours per each of the first 36 devices =			2.30	\$632.50
Hours per each of the 37th+ devices =			0.75	\$206.25
Total Minimum =	7.00	1,925.00	10.15	\$2,791.25
Total Maximum =	7.00	1,925.00	119.05	\$32,738.75

Initial application fee = base hours \times hourly rate \times compliance coefficient

Annual licence fee = [base hours + (variable hours per location \times number of locations) + (variable hours per device \times number of devices)] \times hourly rate \times compliance coefficient

22. INDUSTRIAL RADIOGRAPHY				
(Use Type 812)	Initial Application Fee		Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours = Hours per device manufacturer =	14.30 5.00	\$3,932.50 \$1,375.00	33.55	\$9,226.25
Hours per location =			1.25	\$343.75
Hours per each of the first 16 devices =			0.65	\$178.75
Hours per each of the 17th+ devices =			2.15	\$591.25
Hours per bunker =	5.00	\$1,375.00		
Total Minimum =	19.30	\$5,307.50	35.45	\$9,748.75
Total Maximum =	unlimited	unlimited	225.50	\$62,012.50

Initial application fee = [base hours + (variable hours per device manufacturer x number of device manufacturers) + (variable hours per bunker x number of bunkers)] x hourly rate x compliance coefficient

JCLEAR MEDICINE AND HUMAN Diagnostic nuclear medicine	RESEARCH				
Jse type 862)	Initial Application	Fee	Annual Licence Fee		
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024	
Base hours =	11.40	\$3,135.00	13.35	\$3,671.25	
Hours per locations =	3.00	\$825.00	12.65	\$3,478.75	
Total Minimum =	14.40	\$3,960.00	26.00	\$7,150.00	
Total Maximum =	unlimited	unlimited	unlimited	unlimited	
Fee = [base hours + (variable	hours per location x i	number of locations)] × hourly ra	te x compliance coefficient		
b) Therapeutic nuclear medicine					
Use type 872)	Initial Application	Fee	Annual Licence Fee		
	Hours	Fees Payable	Hours	Fees Payable	
		for 2023-2024		for 2023-2024	
Base hours =	9.80	\$2,695.00	6.75	\$1,856.25	
Hours per location =	2.00	\$550.00	6.50	\$1,787.50	
Total Minimum =	11.80	\$3,245.00	13.25	\$3,643.75	
Total Maximum =	unlimited	unlimited	unlimited	unlimited	
Fee = [base hours + (variable	hours per location × i	number of locations)] × hourly ra	te × compliance coefficient		
c) Human research					
Use type 875)	Initial Application	Fee	Annual Licence Fee		
	House	Fees Payable	Hours	Fees Payable	
	Hours	for 2023-2024	Hours	for 2023-2024	
Base hours =	10.70	\$2,942.50	7.50	\$2,062.50	
Hours per location =		•	7.50	\$2,062.50	
Total Minimum =	10.70	\$2,942.50	15.00	\$4,125.00	
Total Maximum =	10.70	\$2,942.50	unlimited	unlimited	

24. PETROLEUM EXPLORATION AND PRODUCTION (a) Logging - sealed source (Use type 816) **Initial Application Fee** Annual Licence Fee Fees Payable Fees Payable Hours Hours for 2023-2024 for 2023-2024 \$4,757.50 \$2,103.75 Base hours = 17.30 7.65 Hours per location = 4.00 \$1,100.00 13.40 \$3,685.00 Total Minimum = 21.30 \$5,857.50 21.05 \$5,788.75 Total Maximum = unlimited unlimited unlimited unlimited Fee = [base hours + (variable hours per location × number of locations)] × hourly rate × compliance coefficient (b) Other petroleum exploration and production Subsurface zone location, subsurface traces studies, tracer studies (Use Types 844 / 846 / 858) **Initial Application Fee** Annual Licence Fee Fees Payable Fees Payable Hours Hours for 2023-2024 for 2023-2024 \$4,565.00 \$2,942.50 Base hours = 16.60 10.70 Hours per location = 4.00 \$1,100.00 10.20 \$2,805.00 Total Minimum = 20.60 \$5,665.00 20.90 \$5,747.50 Total Maximum = unlimited unlimited unlimited unlimited Fee = [base hours + (variable hours per location x number of locations)] x hourly rate x compliance coefficient (c) Borehole tube tagging (Use type 868) **Initial Application Fee** Annual Licence Fee Fees Payable Fees Payable Hours Hours for 2023-2024 for 2023-2024 \$1,457.50 Base hours = \$591.25 5.30 2.15 Hours per location = \$742.50 2 70 \$1,457.50 Total Minimum = 5.30 4.85 \$1,333.75 unlimited Total Maximum = \$1,457,50 unlimited 5.30

se Type 822)	Initi	al Application Fee	Annual Licence Fee		
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024	
Base hours =	14.60	\$4,015.00	20.65	\$5,678.75	
Hours per device manufacturer =			0.40	\$110.00	
Total Minimum =	14.60	\$4,015.00	21.05	\$5,788.75	
			45.00	A40.075.00	
Total Maximum = Initial application fee = base hours Annual licence fee = [base hours -	⊦ (variable hours բ	er device manufacturer × number o	,	,	
Initial application fee = base hours Annual licence fee = [base hours -	s × hourly rate × co (variable hours p	ompliance coefficient per device manufacturer × number o	f device manufacturers)] x ho	urly rate × compliance coeffi	
Initial application fee = base hours Annual licence fee = [base hours -	s × hourly rate × co (variable hours p	ompliance coefficient per device manufacturer × number of	f device manufacturers)] x ho	urly rate × compliance coefficients	
Initial application fee = base hours Annual licence fee = [base hours -	s × hourly rate × co · (variable hours p graphy devices c Initi	ompliance coefficient per device manufacturer × number of per any combination of portable gar al Application Fee Fees Payable	f device manufacturers)] × ho uges, fixed gauges and indu Anı	urly rate x compliance coefficients and radiography devices and Licence Fee Fees Payable	
Initial application fee = base hours Annual licence fee = [base hours - b) Complex servicing - industrial radio Use Type 823)	s × hourly rate × co • (variable hours p graphy devices of Initial	ompliance coefficient per device manufacturer × number of or any combination of portable gar al Application Fee Fees Payable for 2023-2024	f device manufacturers)] x ho uges, fixed gauges and indo And Hours	urly rate × compliance coefficients radiography devices to the complete see and the complete	
Initial application fee = base hours Annual licence fee = [base hours - b) Complex servicing - industrial radio Use Type 823) Base hours =	s × hourly rate × co r (variable hours p graphy devices of Initi	ompliance coefficient per device manufacturer × number of or any combination of portable gar al Application Fee Fees Payable for 2023-2024	f device manufacturers)] x ho uges, fixed gauges and indu Ann Hours 25.75	urly rate × compliance coefficient radiography devices and Licence Fee Fees Payable for 2023-2024 \$7,081.25	

Annual licence fee = [base hours + (variable hours per location x number of locations)] x hourly rate x compliance coefficient

Initial application fee = base hours \times hourly rate \times compliance coefficient

UNSEALED NUCLEAR SUBSTANCES a) Laboratory studies					
(Use Type 813)	Initi	al Application Fee	Anr	ual Licence Fee	
	Hours	Fees Payable	Hours	Fees Payable	
	Hours	for 2023-2024	Hours	for 2023-2024	
Base hours =	11.60	\$3,190.00	6.50	\$1,787.50	
Hours per location =	4.00	\$1,100.00	1.40	\$385.00	
Hours per each of the first 2 labs =		4. ,	2.20	\$605.00	
Hours per each of the 3rd+ labs =			4.30	\$1,182.50	
Total Minimum =	15.60	\$4,290.00	10.10	\$2,777.50	
Total Maximum =	unlimited	unlimited	unlimited	unlimited	
latiful and limited for the same have	6		->1		
		s per location × number of location per location × number of locations)			k hourly rate
compliance coefficient	. (······································	. (,	,
(b) Processing a quantity not exceeding					
(Use type 863)	Initi	al Application Fee	Anr	ual Licence Fee	
	Hours	Fees Payable	Hours	Fees Payable	
		for 2023-2024		for 2023-2024	
Base hours =	9.00	\$2,475.00	39.50	\$10,862.50	
Total Minimum =	9.00	\$2,475.00	39.50	\$10,862.50	
Total Maximum =	9.00	\$2,475.00	39.50	\$10,862.50	
Fee = base hours x hourly rate x	compliance coeffic	ient			
(c) Processing a quantity exceeding 10	GBq				
(Use type 847)	Initi	al Application Fee	Anr	ual Licence Fee	
	Hauma	Fees Payable	Haves	Fees Payable	
	Hours	for 2023-2024	Hours	for 2023-2024	
Base hours =	21.20	\$5,830.00	64.00	\$17,600.00	
Total Minimum =	21.20	\$5,830.00	64.00	\$17,600.00	
Total Maximum =	21.20	\$5,830.00	64.00	\$17,600.00	
Fee = base hours × hourly rate ×	compliance coeffic	ient			
(d) Repair of components containing ra	dioactive lumino	us compounds			
(Use type 885)		al Application Fee	Anr	ual Licence Fee	
		Fees Payable		Fees Payable	
	Hours	for 2023-2024	Hours	for 2023-2024	
Base hours =	5.00	\$1,375.00	5.00	\$1,375.00	
Total Minimum =	5.00	\$1,375.00	5.00	\$1,375.00	
Total Maximum =	5.00	\$1,375.00	5.00	\$1,375.00	
Fee = base hours × hourly rate ×	compliance coeffic	ient			
(e) Veterinary nuclear medicine					
(Use type 915)	Initi	al Application Fee	Anr	ual Licence Fee	
	Центе	Fees Payable	Harre-	Fees Payable	
	Hours	for 2023-2024	Hours	for 2023-2024	
Base hours =	9.00	\$2,475.00	7.00	\$1,925.00	
Hours per location =	2.00	\$550.00	6.40	\$1,760.00	
Total Minimum =	11.00	\$3,025.00	13.40	\$3,685.00	
Total Maximum =	unlimited	unlimited	unlimited	unlimited	
Fee = [base hours + (variable hou	ırs per location × n	umber of locations)] × hourly rate	× compliance coefficient		
26. UNSEALED NUCLEAR SUBSTANCE	ES .				
(f) Manufacturing of nuclear substances					
(Use type 851)	Initi	al Application Fee	Anr	ual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024	
	00.00	\$0.050.00	20.55	AF 007 50	
Base hours =	30.00	\$8,250.00	20.50	\$5,637.50	
Base hours = Total Minimum = Total Maximum =	30.00 30.00 30.00	\$8,250.00 \$8,250.00 \$8,250.00	20.50 20.50 20.50	\$5,637.50 \$5,637.50 \$5,637.50	

27. SEALED SOURCES AND RADIATION DEVICES

(a) Low risk

(a) Low risk
Beta backscatter gauging, Dew point detection,
Display or use of components containing radioactive luminous compounds,
Electron capture detection, Electronic component testing, Fuel gauges on board aircraft,
Lightning warning, Liquid scintillation counter, Low energy imaging,
Radioluminescence, Remote blade inspection, Radioactive check sources

Static detection, Static elimination, Smoke detection, Surge-voltage protection,

Teaching - maximum sealed source size of 50MBq, X-ray fluorescence analysis

(Use types 880 / 881 / 884 / 886 / 888 / 895 / 896 / 897 / 898 / 899 / 900 / 901 / 902 / 903 / 904 / 907 / 919 / 940)

	Init	ial Application Fee	Ann	ual Licence Fee
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	1.50	\$412.50	2.35	\$646.25
Total Minimum =	1.50	\$412.50	2.35	\$646.25
Total Maximum =	1.50	\$412.50	2.35	\$646.25

Fee = base hours x hourly rate x compliance coefficient

(b) Medium risk

Demonstration, Teaching - More than 50 MBq, Bone Mineral Analysis

Research - maximum sealed source size of 50 MBq

(Use types 883 / 889 / 894 / 908)

	Init	ial Application Fee	Ann	ual Licence Fee
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	4.00	\$1,100.00	2.55	\$701.25
Total Minimum =	4.00	\$1,100.00	2.55	\$701.25
Total Maximum =	4.00	\$1,100.00	2.55	\$701.25

Fee = base hours x hourly rate x compliance coefficient

28. DISTRIBUTION OF NUCLEAR SUBSTANCES

Init	ial Application Fee	Ann	nual Licence Fee
Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
1.00	\$275.00	4.80	\$1,320.00
1.00	\$275.00	4.80	\$1,320.00
1.00	\$275.00	4.80	\$1,320.00
	1.00 1.00	for 2023-2024 1.00 \$275.00 1.00 \$275.00	Hours Fees Payable for 2023-2024 Hours 1.00 \$275.00 4.80 1.00 \$275.00 4.80

Fee = base hours x hourly rate x compliance coefficient

(b) Less than 740 MBq

(Use Type 825)	Init	ial Application Fee	Ann	ual Licence Fee
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	10.30	\$2,832.50	5.40	\$1,485.00
Hours per location =			4.55	\$1,251.25
Total Minimum =	10.30	\$2,832.50	9.95	\$2,736.25
Total Maximum =	10.30	\$2,832.50	unlimited	unlimited

Initial application fee = base hours x hourly rate x compliance coefficient

Annual licence fee = [base hours + (variable hours per location x number of locations)] x hourly rate x compliance coefficient

(c) Equal to or greater than 740 MBq

(Use Type 826)	Init	ial Application Fee	Annual Licer		
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024	
Base hours =	9.50	\$2,612.50	12.30	\$3,382.50	
Hours per location =			9.10	\$2,502.50	
Total Minimum =	9.50	\$2,612.50	21.40	\$5,885.00	
Total Maximum =	9.50	\$2,612.50	unlimited	unlimited	

Initial application fee = base hours \times hourly rate \times compliance coefficient

Fee = [base hours + (variable hours per location x number of locations)] x hourly rate x compliance coefficient

e type 864)	Initial Application Fee		Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	16.80	\$4,620.00	24.50	\$6,737.50
Total Minimum =	16.80	\$4,620.00	24.50	\$6,737.50
Total Maximum =	16.80	\$4,620.00	24.50	\$6,737.50
Fee = base hours x hourly rate x	compliance coeffic	ient		
b) Calibration				
Use type 879)	Initial Application Fee		Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	13.75	\$3,781.25	9.60	\$2,640.00
Total Minimum =	13.75	\$3,781.25	9.60	\$2,640.00
Total Maximum =	13.75	\$3,781.25	9.60	\$2,640.00
Fee = base hours × hourly rate ×	compliance coeffic	ient		
c) Medium risk Jeutron activation, irradiation - self shi Research - maximum sealed source siz Use types 867 / 873 / 878)	e of more than 50	MBq al Application Fee	Ann	ual Licence Fee
, Neutron activation, irradiation - self shi Research - maximum sealed source siz	e of more than 50	•	Ann Hours	rual Licence Fee Fees Payable for 2023-2024
, Neutron activation, irradiation - self shi Research - maximum sealed source siz	e of more than 50 Initi	al Application Fee Fees Payable		Fees Payable
Veutron activation, irradiation - self shi Research - maximum sealed source siz Use types 867 / 873 / 878)	e of more than 50 Initi Hours	al Application Fee Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024

Jse type 912)	Initial Application Fee		Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	24.50	\$6,737.50	25.50	\$7,012.50
Hours per treatment room =			1.00	\$275.00
Total Minimum =	24.50	\$6,737.50	26.50	\$7,287.50
Total Maximum =	24.50	\$6,737.50	unlimited	unlimited

e type 817)	Initial Application Fee		Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	17.10	\$4,702.50	6.40	\$1,760.00
Total Minimum =	17.10	\$4,702.50	6.40	\$1,760.00
Total Maximum =	17.10	\$4,702.50	6.40	\$1,760.00

se type 916)	Init	ial Application Fee	Annual Licence Fee	
	Hours	Fees Payable for 2023-2024	Hours	Fees Payable for 2023-2024
Base hours =	5.10	\$1,402.50	2.65	\$728.75
Total Minimum =	5.10	\$1,402.50	2.65	\$728.75
Total Maximum =	5.10	\$1,402.50	2.65	\$728.75

33. STORAGE Storage - long term (more than 1 year) Temporary Possession - no use (Use type 906 / 918) Annual Licence Fee Fees Payable for 2023-2024 Hours \$1,127.50 \$330.00 \$1,457.50 unlimited 4.10 Base hours = Hours per device Total Minimum = 1.20 5.30 Total Maximum = unlimited $Annual\ licence\ fee = [base\ hours\ +\ (variable\ hours\ per\ device\ x\ number\ of\ devices)]\ x\ hourly\ rate\ x\ compliance\ coefficient$

3. FIXED FEES FOR CERTIFICATES AND TRANSPORTATION LICENCES

Fees for certificates and transportation licences other than special arrangement or special form are published in Schedule 2 of the CNSC Cost Recovery Fees Regulations.

Detailed fee schedules are provided in the following pages.

Hourly Rate = \$275 **Transportation Licences**

GENERAL
All transportation licences other than special arrangement and special form

Fees Payable for 2023-2024 = \$574.45

SPECIAL ARRANGEMENT

Hours of direct regulatory activities = Actual hours worked Hourly Rate = \$275

Fee = number of hours of direct regulatory activities x hourly rate + cost of professional and special services obtained by CNSC under contract

Certificates

EXPOSURE DEVICE OPERATOR CERTIFICATION

Fees Payable for 2023-2024 = \$1,148.88

RADIATION DEVICE MODEL CERTIFICATE - TYPE 1

Device Type 1 - devices containing more than 1 and less than 10 EQs

Fees Payable for 2023-2024 = \$1,723.31

RADIATION DEVICE MODEL CERTIFICATE - TYPE 2

Device Type 2 - following devices and 10 EQs or more

Includes: Bone mineral analysis, Dew point detection, Electronic component testing, Fuel gauges on board aircraft, Low energy imaging, Liquid scintillation counter, Radioluminescence, Static detection, Static elimination, Smoke detection, Surge voltage protection, X-ray fluorescence analysis.

Fees Payable for 2023-2024 = \$3,446.64

RADIATION DEVICE MODEL CERTIFICATE - TYPE 3

Device Type 3 - following devices and 10 EQs or more

Beta backscatter gauging, Calibration, Fixed gauges, Portable gauges

Fees Payable for 2023-2024 = \$6,893.26

RADIATION DEVICE MODEL CERTIFICATE - TYPE 4

Device type 4 Includes Class II Prescribed Equipment

Radiation devices - Industrial radiography, Irradiation: self shielded type, Neutron activation

Class II Accelerators - Research, Geophysical logging & Medical calibration irradiator

Class II Irradiators - Pool-type, Self shielded type, Calibration

Class II Brachytherapy machine - High dose rate, Low dose rate & Intravascular therapy

Class II Radioactive source teletherapy machine

Fees Payable for 2023-2024 = \$10,339.90

TRANSPORTATION PACKAGE CERTIFICATE - Special Arrangement/Special Form

Hours of direct regulatory activities = Actual hours worked

Hourly Rate = \$275

Fee = number of hours of direct regulatory activities x hourly rate + cost of professional and special services obtained by CNSC under contract

FIXED FEES

m	Type of Application	Fees Payable for 2023-2024
	An application for a licence to transport nuclear material, other than a licence to transport under special arrangement	\$574.45
2	Except in respect of a certification for the package design of a special form radioactive material, an application for certification of a package design	
	(a) having an "A" value (see note) not exceeding 1 with fissile material	
	(i) assessment of a Initial package design	\$9,191.02
	(ii) assessment of a package design similar to a certified package design	\$3,044.54
	(iii) assessment of a package design identical to a certified package design	\$1,148.88
	(b) having an "A" value greater than 1 and not exceeding 10 with no fissile material	
	(i) assessment of a Initial package design	\$13,786.51
	(ii) assessment of a package design similar to a certified package design	\$4,595.51
	(iii) assessment of a package design identical to a certified package design	\$1,148.88
	(c) having an "A" value greater than 1 and not exceeding 10 with fissile material	
	(i) assessment of a Initial package design	\$22,977.53
	(ii) assessment of a package design similar to a certified package design	\$7,640.03
	(iii) assessment of a package design identical to a certified package design	\$1,148.88
	(d) having an "A" value greater than 10 and not exceeding 100 with no fissile material	
	(i) assessment of a Initial package design	\$16,084.27
	(ii) assessment of a package design similar to a certified package design	\$5,342.29
	(iii) assessment of a package design identical to a certified package design	\$1,148.88
	(e) having an "A" value greater than 10 and not exceeding 100 with fissile material	
	(i) assessment of a Initial package design	\$25,275.29
	(ii) assessment of a package design similar to a certified package design	\$8,444.24
	(iii) assessment of a package design identical to a certified package design	\$1,148.88

FIXED FEES

Item	Type of Application	Fees Payable for 2023-2024
	(f) having an "A" value greater than 100 and not exceeding 3000 with no fissile material	
	(i) assessment of a Initial package design	\$22,977.53
	(ii) assessment of a package design similar to a certified package design	\$7,640.03
	(iii) assessment of a package design identical to a certified package design	\$1,148.88
	(g) having an "A" value greater than 100 and not exceeding 3000 with fissile material	
	(i) assessment of a Initial package design	\$32,168.54
	(ii) assessment of a package design similar to a certified package design	\$10,684.55
	(iii) assessment of a package design identical to a certified package design	\$1,148.88
	(h) having an "A" value greater than 3000 with no fissile material	
	(i) assessment of a Initial package design	\$27,573.04
	(ii) assessment of a package design similar to a certified package design	\$9,191.02
	(iii) assessment of a package design identical to a certified package design	\$1,148.88
	(i) having an "A" value greater than 3000 with fissile material	
	(i) assessment of a Initial package design	\$36,764.05
	(ii) assessment of a package design similar to a certified package design	\$12,235.54
	(iii) assessment of a package design identical to a certified package design	\$1,148.88
3	An application for certification of a radiation device model	
	(a) Type 1 — A device containing nuclear substances in a quantity greater than the exemption quantity and less than 10 times that quantity	
	(i) assessment of a Initial radiation device model	\$1,723.31
	(ii) assessment of a radiation device model similar to a certified radiation device model	\$1,148.88
	(iii) assessment of a radiation device model identical to a certified radiation device model	\$1,148.88
	(b) Type 2 — A device containing nuclear substances in a quantity equal to or exceeding 10 times the exemption quantity for the following: bone mineral analysis, dew point detection, electronic component testing, fuel gauging, low energy imaging, liquid scintillation counting, radioluminescence, static detection, static elimination, smoke detection, surge voltage protection and X-ray fluorescence analysis	
	(i) assessment of a Initial radiation device model	\$3,446.64
	(ii) assessment of a radiation device model similar to a certified radiation device model	\$1,148.88
	(iii) assessment of a radiation device model identical to a certified radiation device model	\$1,148.88

FIXED FEES

tem	Type of Application	Fees Payable for 2023-2024
	(c) Type 3 — A device containing nuclear substances in a quantity equal to or exceeding 10 times the exemption quantity for the following: beta backscatter gauging, calibration, fixed gauges and portable gauges	
	(i) assessment of a Initial radiation device model	\$6,893.26
	(ii) assessment of a radiation device model similar to a certified radiation device model	\$2,297.75
	(iii) assessment of a radiation device model identical to a certified radiation device model	\$1,148.88
	(d) Type $4-A$ device of the following type: industrial radiography device, self-shielded irradiator and neutron activator	
	(i) assessment of a Initial radiation device model	\$10,339.90
	(ii) assessment of a radiation device model similar to a certified radiation device model	\$3,446.64
	(iii) assessment of a radiation device model identical to a certified radiation device model	\$1,148.88
	An application for certification of Class II prescribed equipment	
	(i) assessment of Initial Class II prescribed equipment	\$10,339.90
	(ii) assessment of Class II prescribed equipment similar to certified Class II prescribed equipment	\$3,446.64
	(iii) assessment of Class II prescribed equipment identical to certified Class II prescribed equipment	\$1,148.88
5	An application for certification of an exposure device operator	\$1,148.88

INOTE: "A" value means the maximum number obtained by dividing the quantity of radioactivity in the package design by the appropriate "A₁" or "A₂" value as defined in the *Packaging and Transport of Nuclear Substances Regulations*.