



**CLASS II NUCLEAR FACILITIES
AND PRESCRIBED EQUIPMENT
LICENCE**

**PERMIS PORTANT SUR LES
INSTALLATIONS NUCLÉAIRES ET
L'ÉQUIPEMENT RÉGLEMENTÉ DE CATÉGORIE II**

15395-16-27.0

I) LICENCE NUMBER: 15395-16-27.0

II) LICENSEE

Pursuant to section 24 of the Nuclear Safety and Control Act, this licence is issued to:

Nova Scotia Health Authority
90 Lovett Lake Court
Halifax, NS
B3S 0H6
Canada

III) LICENCE PERIOD

This licence is valid from: April 19, 2017 to April 30, 2027 unless otherwise suspended, amended, revoked or replaced.

IV) LICENSED ACTIVITIES

This licence authorizes the licensee to:

- (a) Operate and service an isotope production accelerator facility (616) listed in the Appendix: Nuclear Substances and Class II Prescribed Equipment of this licence, at the location(s) specified in the Appendix: Locations of Licensed Activities of this licence; and
- (b) possess, transfer, use, store and process the nuclear substances that are associated with or arise from the activity described in (a).

V) CONDITIONS

The contents of the appendices attached to this licence form part of the licence.

1. Operation Limitations

Subject to any other condition of this licence and unless otherwise permitted by the prior written approval of the Commission or a person authorized by the Commission, the licensee shall carry out the licensed activities in accordance with the documents or parts thereof referred to in the Appendix: Licence Document(s).
(2917-7)

2. Inaccuracies Notification

The licensee shall report to the Commission or a person authorized by the Commission, as soon as is practicable, the discovery of any inaccuracy or incompleteness in the documents referred to in the Appendix: Licence Document(s).
(2920-6)

3. Action Level Notification

The licensee shall report in writing to the Commission or a person authorized by the Commission within 21 days after becoming aware that any action level specified in the Appendix: Licence Documents has been reached.
(2945-6)





4. Annual Compliance Report

The licensee shall, by April 30 of each year, submit to the Commission a written annual compliance report in the form specified at www.nuclearsafety.gc.ca/acr.
(2912-3)

5. Laboratory Procedures

The licensee shall post and keep posted, in a readily visible location in areas, rooms or enclosures where nuclear substances are handled, a radioisotope safety poster approved by the Commission or a person authorized by the Commission, which corresponds to the classification of the area, room or enclosure.
(2570-3)

6. Laboratory Lists

The licensee shall maintain a list of all areas, rooms and enclosures in which more than one exemption quantity of a nuclear substance is used or stored.
(2569-1)

7. Area Classification

The licensee shall classify each room, area or enclosure where more than one exemption quantity of an unsealed nuclear substance is used at a single time as:

- (a) basic-level if the quantity does not exceed 5 ALI,
- (b) intermediate-level if the quantity used does not exceed 50 ALI,
- (c) high-level if the quantity does not exceed 500 ALI,
- (d) containment-level if the quantity exceeds 500 ALI; or
- (e) special purpose if approved in writing by the Commission or a person authorized by the Commission.

Except for the basic-level classification, the licensee shall not use unsealed nuclear substances in these rooms, areas or enclosures without written approval of the Commission or a person authorized by the Commission.
(2108-3)

8. Contamination Meter Requirements

The licensee shall make available to workers at all times at the site of the licensed activity a properly functioning portable contamination meter.
(2572-1)

9. Target limitation - Class II facility

The licensee shall only use the targets listed in the Appendix: Licenced Targets.
(2910-5)

10. Extremity Dosimetry

The licensee shall ensure that any person who handles a container which contains more than 50 MBq of an unsealed nuclear substance wears a ring dosimeter. The dosimeters must be supplied and read by a dosimetry service licensed by the Commission.
(2579-0)

11. Contamination criteria - Class II nuclear facilities

The licensee shall ensure that for nuclear substances listed in the Appendix: Classes of Radionuclides- Class II Nuclear Facilities, attached to this licence:

- (a) non-fixed contamination in all areas, rooms or enclosures where unsealed nuclear substances are used or stored



does not exceed:

- (i) 3 Bq/cm² for all Class A radionuclides;
 - (ii) 30 Bq/cm² for all Class B radionuclides; or
 - (iii) 300 Bq/cm² for all Class C radionuclides; averaged over an area not exceeding 100 square centimetres;
- and

(b) non-fixed contamination in all other areas does not exceed:

- (i) 0.3 Bq/cm² for all Class A radionuclides;
- (ii) 3 Bq/cm² for all Class B radionuclides; or
- (iii) 30 Bq/cm² for all Class C radionuclides; averaged over an area not exceeding 100 square centimetres.

(2644-2)

12. Release - Class II facility

The licensee shall control, monitor and record releases of nuclear substances from the nuclear facility, and such releases shall not exceed the limits identified in the documents referred to in Appendix: Licence Documents.

(2930-5)

13. Financial Guarantee

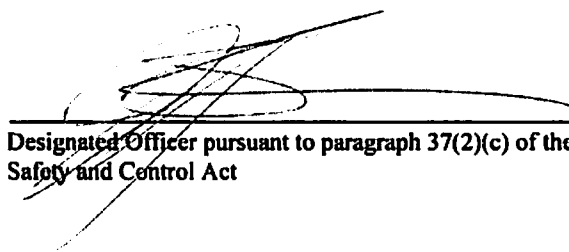
The licensee shall, as of April 1, 2015, maintain at all times a financial guarantee in respect of the activities authorized by this licence of a value set by the Commission and in a form acceptable to the Commission.

(2020-1)

14. Commissioning to add targets

The licensee shall use the target listed under Part No.: Commissioning P5260NC in the appendix: Licensed targets for the sole purpose of commissioning.

(2992-9)



Designated Officer pursuant to paragraph 37(2)(c) of the Nuclear
Safety and Control Act