



**CLASS IB NUCLEAR SUBSTANCE PROCESSING FACILITY
LICENCE**

SRB TECHNOLOGIES (CANADA) INCORPORATED

I) LICENCE NUMBER: NSPFL-13.00/2034

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

**SRB Technologies (Canada) Incorporated
320-140 Boundary Road
Pembroke, Ontario
K8A 6W5**

III) LICENCE PERIOD: This licence is valid from **July 1, 2022**, to **June 30, 2034**, unless otherwise suspended, amended, revoked or replaced.

IV) LICENSED ACTIVITIES:

This licence authorizes the licensee to:

- (a) operate a Class IB Facility, comprising of a tritium processing facility, at the location referred to in Section II of this licence (hereinafter “the facility”) for the purposes of manufacturing radiation devices;
- (b) produce, possess, transfer, service and use, radiation devices arising from the activities described in (a);
- (c) possess, transfer, use, process, manage, store and dispose of nuclear substances that are required for, associated with, or arise from the activities described in (a);

- (d) the possession of tritium up to a limit of 6000 terabecquerels of tritium in any form;
- (e) possess, and use prescribed information that is required for, associated with, or arise from the activities described in (a).

V) EXPLANATORY NOTES:

- (a) Unless otherwise provided for in this licence, words and expressions used in this licence have the same meaning as in the [Nuclear Safety and Control Act](#) and associated Regulations.
- (b) The “SRB TECHNOLOGIES (CANADA) INC. LICENCE CONDITIONS HANDBOOK (LCH)” provides:
 - (i) compliance verification criteria against which Canadian Nuclear Safety Commission staff will assess compliance with the conditions listed in the licence;
 - (ii) information regarding delegation of authority to Canadian Nuclear Safety Commission staff; and
 - (iii) applicable versions of documents and a process for version control of codes, standards or other documents that are used as compliance verification criteria in order to meet the conditions listed in the licence.

VI) CONDITIONS:

G. GENERAL

- G.1 The licensee shall conduct the activities described in Part IV of this licence in accordance with the licensing basis, defined as:
- (i) the regulatory requirements set out in the applicable laws and regulations
 - (ii) the conditions and safety and control measures described in the facility's or activity's licence and the documents directly referenced in that licence
 - (iii) the safety and control measures described in the licence application and the documents needed to support that licence application

unless otherwise approved in writing by the Canadian Nuclear Safety Commission (hereinafter “the Commission”).

- G.2 The licensee shall give written notification of changes to the facility or its operation, including deviation from design, operating conditions, policies, programs and methods referred to in the licensing basis.

G.3 The licensee shall maintain a financial guarantee for decommissioning that is acceptable to the Commission.

G.4 The licensee shall implement and maintain a public information and disclosure program

1. Management System

1.1 The licensee shall implement and maintain a management system.

2. Human Performance Management

2.1 The licensee shall implement and maintain a training program.

3. Operating Performance

3.1 The licensee shall implement and maintain an operating program, which includes a set of operating limits.

3.2 The licensee shall implement and maintain a program for reporting to the Commission or a person authorized by the Commission.

4. Safety Analysis

4.1 The licensee shall implement and maintain a safety analysis program.

5. Physical Design

5.1 The licensee shall implement and maintain a design program.

6. Fitness For Service

6.1 The licensee shall implement and maintain a fitness for service program.

7. Radiation Protection

7.1 The licensee shall implement and maintain a radiation protection program, which includes a set of action levels. When the licensee becomes aware that an action level has been reached, the licensee shall notify the Commission within seven days.

8. Conventional Health And Safety

8.1 The licensee shall implement and maintain a conventional health and safety program.

9. Environmental Protection

9.1 The licensee shall implement and maintain an environmental protection program, which includes a set of action levels. When the licensee becomes aware that an action level has been reached, the licensee shall notify the Commission within seven days.

10. Emergency Management And Fire Protection

10.1 The licensee shall implement and maintain an emergency preparedness program.

10.2 The licensee shall implement and maintain a fire protection program.

11. Waste Management

11.1 The licensee shall implement and maintain a waste management program.

11.2 The licensee shall maintain a decommissioning plan.

12. Security

12.1 The licensee shall implement and maintain a security program.

13. Packaging and Transport

13.1 The licensee shall implement and maintain a packaging and transport program.

SIGNED at OTTAWA, this 22nd day of June, 2022

Velshi, Rumina

Digitally signed by Velshi, Rumina
DN: C=CA, O=GC, OU=CNSC-CCSN, CN="Velshi,
Rumina"
Reason: I am the author of this document
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Rumina Velshi, President
on behalf of the Canadian Nuclear Safety Commission