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# CLASS 1B NUCLEAR SUBSTANCE PROCESSING FACILITY OPERATING LICENCE

# SRB TECHNOLOGIES (CANADA) INCORPORATED

I) LICENCE NUMBER: NSPFOL-13.00/2022

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, 2015,

to June 30, 2022, unless otherwise suspended,

amended, revoked or replaced.

#### IV) LICENSED ACTIVITIES:

This licence authorizes the licensee to:

- (a) operate a Class 1B 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 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. <u>Licence Condition Handbook</u> (<u>LCH</u>)" provides:
  - (i) compliance verification criteria in order to meet the conditions listed in the licence;
  - (ii) information regarding delegation of authority to CNSC 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:

#### 1. GENERAL

- 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 CNSC (hereinafter "the Commission").

- 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.
- 1.3 The licensee shall maintain a financial guarantee for decommissioning that is acceptable to the Commission.
- 1.4 The licensee shall implement and maintain a public information and disclosure program

#### 2. MANAGEMENT SYSTEM

2.1 The licensee shall implement and maintain a management system.

# 3. HUMAN PERFORMANCE MANAGEMENT

The licensee shall implement and maintain a training program.

## 4. OPERATING PERFORMANCE

- The licensee shall implement and maintain an operating program, which includes a set of operating limits.
- The licensee shall implement and maintain a program for reporting to the Commission or a person authorized by the Commission.

## 5. SAFETY ANALYSIS

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

#### 6. PHYSICAL DESIGN

6.1 The licensee shall implement and maintain a design program.

#### 7. FITNESS FOR SERVICE

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

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#### 8. RADIATION PROTECTION

8.1 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.

#### 9. CONVENTIONAL HEALTH AND SAFETY

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

# 10. ENVIRONMENTAL PROTECTION

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.

# 11. EMERGENCY MANAGEMENT AND FIRE PROTECTION

- 11.1 The licensee shall implement and maintain an emergency preparedness program.
- The licensee shall implement and maintain a fire protection program.

#### 12. WASTE MANAGEMENT

- 12.1 The licensee shall implement and maintain a waste management program.
- The licensee shall implement and maintain a decommissioning strategy.

## 13. SECURITY

13.1 The licensee shall implement and maintain a security program.

# 14. PACKAGING AND TRANSPORT

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

SIGNED at OTTAWA, this 29th day of June, 2015

Michael Binder, President

on behalf of the Canadian Nuclear Safety Commission

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