



Presentation to Kiwanis Club of Pembroke

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Manager – Health Physics and Regulatory Affairs

May 8, 2019

COMPANY

SRB Technologies (Canada) Inc. has been in operation on Boundary Road in Pembroke since 1990. SRBT had previously conducted business out of the United Kingdom since the late 1960s.



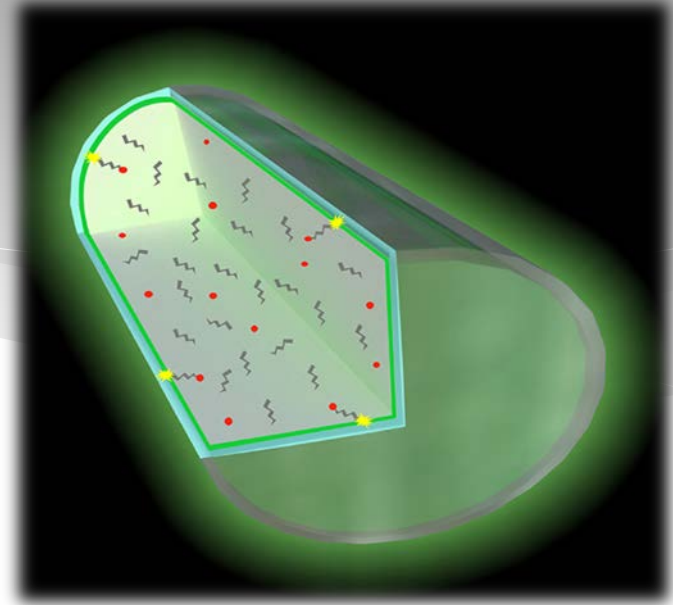
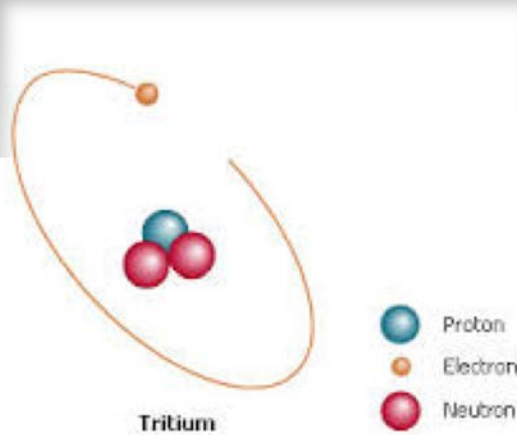
TRITIUM LIGHT SOURCES

SRBT is the original developer of the gaseous tritium light source

- Glass capsule coated with luminescent powder and filled with tritium.
- Produces light on a continuous basis.



HOW DO THEY WORK?



A tritium light source takes advantage of the radioactive properties of tritium gas (a special type of hydrogen gas) to cause the internally coated surface of a light source to glow.

The coating inside the source is the same type of material that used to be used in cathode-ray tube (CRT) television screens.

When an electron strikes the powder, it 'phosphoresces', or glows. The radiation emitted by tritium gas are electrons.

PRODUCTS

The products that we manufacture have several properties that make them attractive for specific, safety-related purposes.

- Our products are fail safe.
- Our products require no maintenance.
- Our products are waterproof.
- Our products do not generate heat.
- Our products are spark free.
- Our products can operate in extreme temperatures and challenging environments.
- **Our products do not use:**
 - Electricity
 - Batteries
 - Wiring

PRODUCTS (Continued)

Some of the types of products that are manufactured by SRBT include:



PRODUCTS (Continued)

B8 | ***

SATURDAY, MARCH 1, 2008 | THE DAILY TELEGRAPH

NEWSREVIEW

Gallery Prince Harry, destined to serve
telegraph.co.uk/pictures

Harry, Prince of Helmand

During his tour of duty in Afghanistan, the third in line to the throne has transformed his image. But now he is coming home to an uncertain future, says Jasper Gerard



JOHN STELLWELL/PA/RETNA

PICTURE OF A SOLDIER WITH OUR ILLUMINATED TORCH

MARKETS



- We supply hundreds of customers internationally every year.
- Vast majority of our products are used in 3 major markets: commercial safety signs ('EXIT' type), aerospace safety signs, and military applications.
- Shipped our products to 22 countries in 2018; nearly 1,000 shipments.
- Over 90% of our products are exported for markets outside of Canada.

LICENSED BY THE CANADIAN NUCLEAR SAFETY COMMISSION



Canadian Nuclear Safety Commission
Commission canadienne de sûreté nucléaire



PDF Ref: e-Doc 4624670
Word Ref: e-Doc 4522207
File / Dossier: 2.02

CLASS 1B NUCLEAR SUBSTANCE PROCESSING FACILITY OPERATING LICENCE

SRB TECHNOLOGIES (CANADA) INCORPORATED

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- 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.

- SRBT is licensed by the CNSC to process tritium and operate our facility.
- CNSC renewed SRBT's operating license for a period of 7 years in 2015.
- Longest license term in facility history.
- SRBT applying for a minimum 10 year licence in 2022.
- Subject to frequent inspections and safety assessments.

LOCAL ECONOMIC IMPACT



- SRBT employs 41 highly trained staff members, full time.
- Anticipated to grow to between 50-60 in the next two years.
- One of the largest manufacturing businesses in the area.
- Comprehensive pension and benefits package for all employees.
- Policy of procuring local services and products wherever feasible.

RECENT RECOGNITION IN INDUSTRY

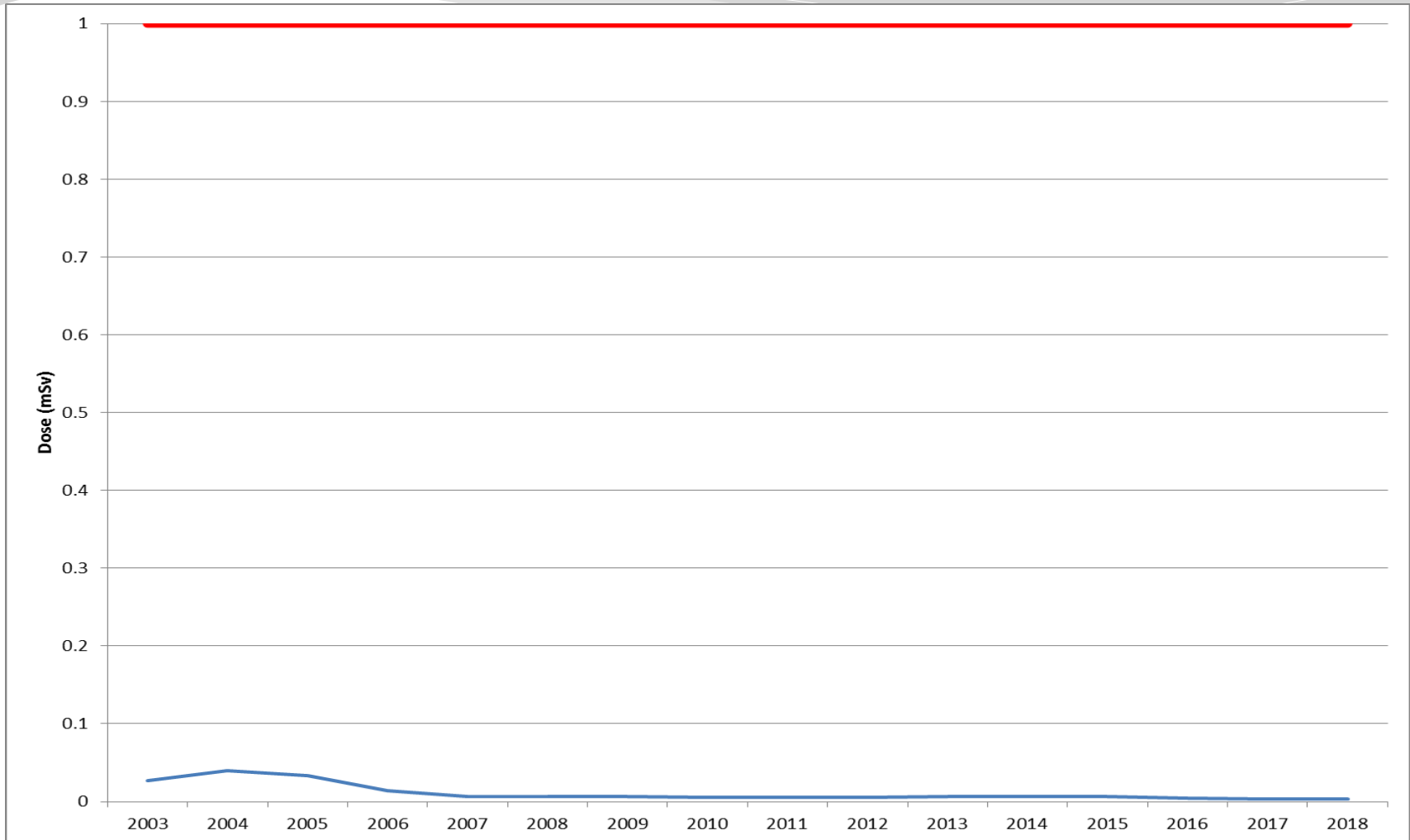
We are proud to have been recognized both locally and provincially for our business achievements:

- Upper Ottawa Valley Chamber of Commerce Business Achievement Award (Professional Services, Technical / Engineering)
- Renfrew County Community Futures Development Corp. 'Members' Choice Award'
- Algonquin College Business Innovation Award
- Ontario Export Award winner for Consumer Products and Technology.



FACILITY OPERATIONS

Public radiation dose due to SRBT operation is measured and calculated every year. We must take measures to ensure that the dose to the public falls below **1 mSv per year**. This is known as the regulatory dose limit.



SRBT IN OUR COMMUNITY

Above all, we are most proud of our contributions to our community here in the Ottawa Valley!

- Member of the Upper Ottawa Valley Chamber of Commerce
- We are Gold Level Corporate members of the Muskrat Watershed Council
- Member of the Algonquin College Radiation Safety Program Advisory Committee
- Regular supporter of:
 - Main Street Community Services
 - Community Living Upper Ottawa Valley
 - Bernadette McCann House
 - Renfrew County Poverty Action Network
 - Robbie Dean Family Counselling Centre

SRBT IN OUR COMMUNITY

Above all, we are most proud of our contributions to our community here in the Ottawa Valley!

- Member of the Pembroke Economic Development and Tourism Advisory Committee
- Financial supporter of Festival Hall Centre for the Performing Arts
- Alice and Fraser Horse Association
- Renfrew County Regional Science and Technology Fair
- Upper Ottawa River Race and Paddle Festival in support of CHEO
- Major sponsor of Zombie Thrill Run in support of Robbie Dean Centre
- Sponsor of many local community sports teams and sports groups.

SRBT IN OUR COMMUNITY



THANK YOU FOR THE CHANCE TO SPEAK TODAY!



WWW.SRBT.COM

SRBT
ISO 9001

