



SRB TECHNOLOGIES (CANADA) INC.

Presentation – March 22, 2017
Kiwanis

COMPANY

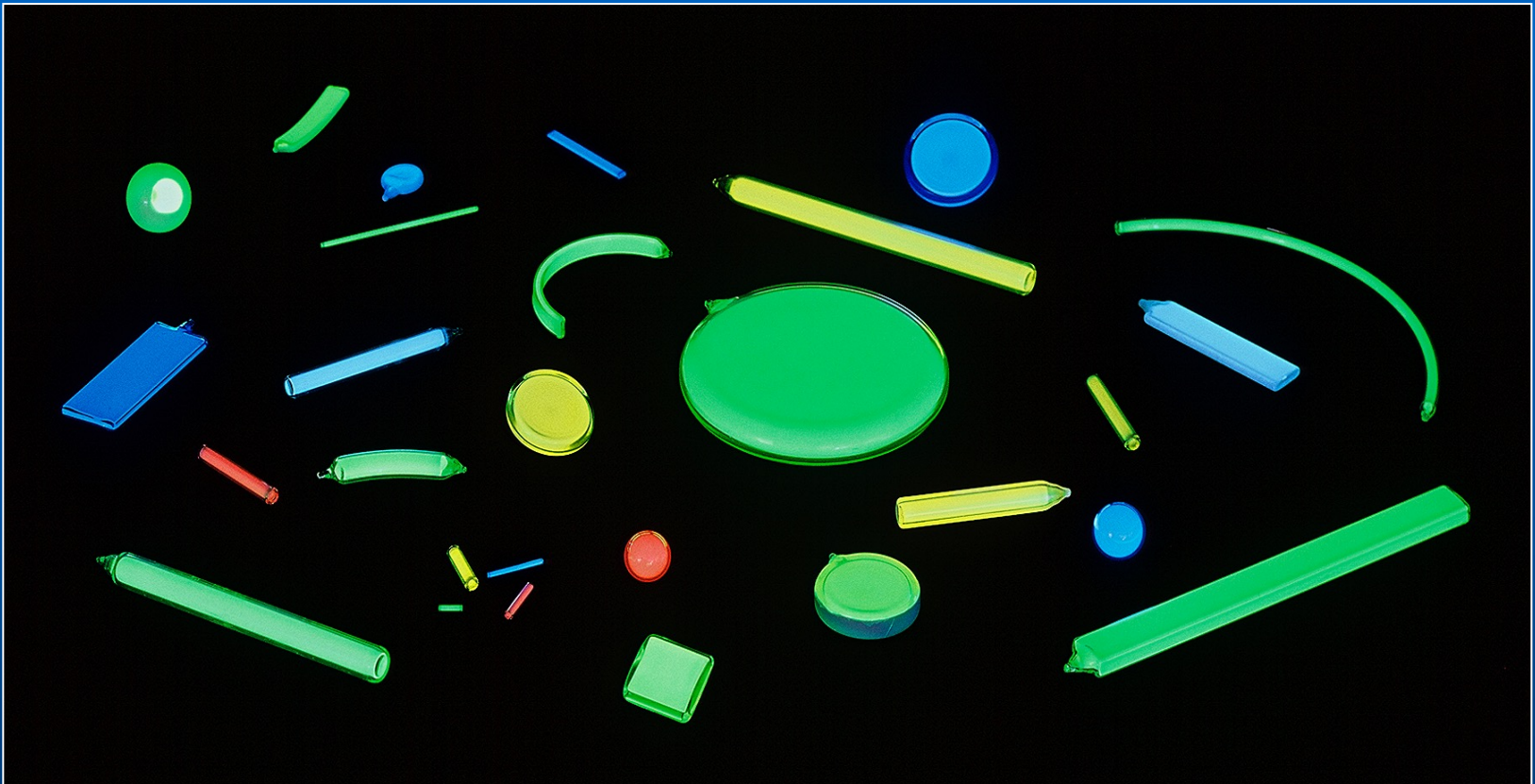
- SRB Technologies (Canada) Inc. has been in operation since 1990.
- Employ 45 people.
- Lease 15,000 square feet of a building.



AERIAL PHOTOGRAPH OF THE FRONT OF SRBT'S FACILITY

TRITIUM LIGHT SOURCE

- SRBT is the original developer of the tritium light source.
- Capsule with luminescent powder and filled with tritium.
- Produces light on a continuous basis.



VARIOUS TYPES OF TRITIUM LIGHT SOURCES PRODUCED BY SRBT

PRODUCTS

- Our products are fail safe.
- Our products require no maintenance.
- Our products are water proof.
- Our products do not generate heat.
- Our products are spark free.
- Our products can operate in temperatures of -60°C to 70°C.
- Our products do not use:
 - Electricity.
 - Power.
 - Batteries.
 - Wiring.

PRODUCTS (Continued)



VARIOUS TYPES OF PRODUCTS PRODUCED BY SRBT

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



ISAF

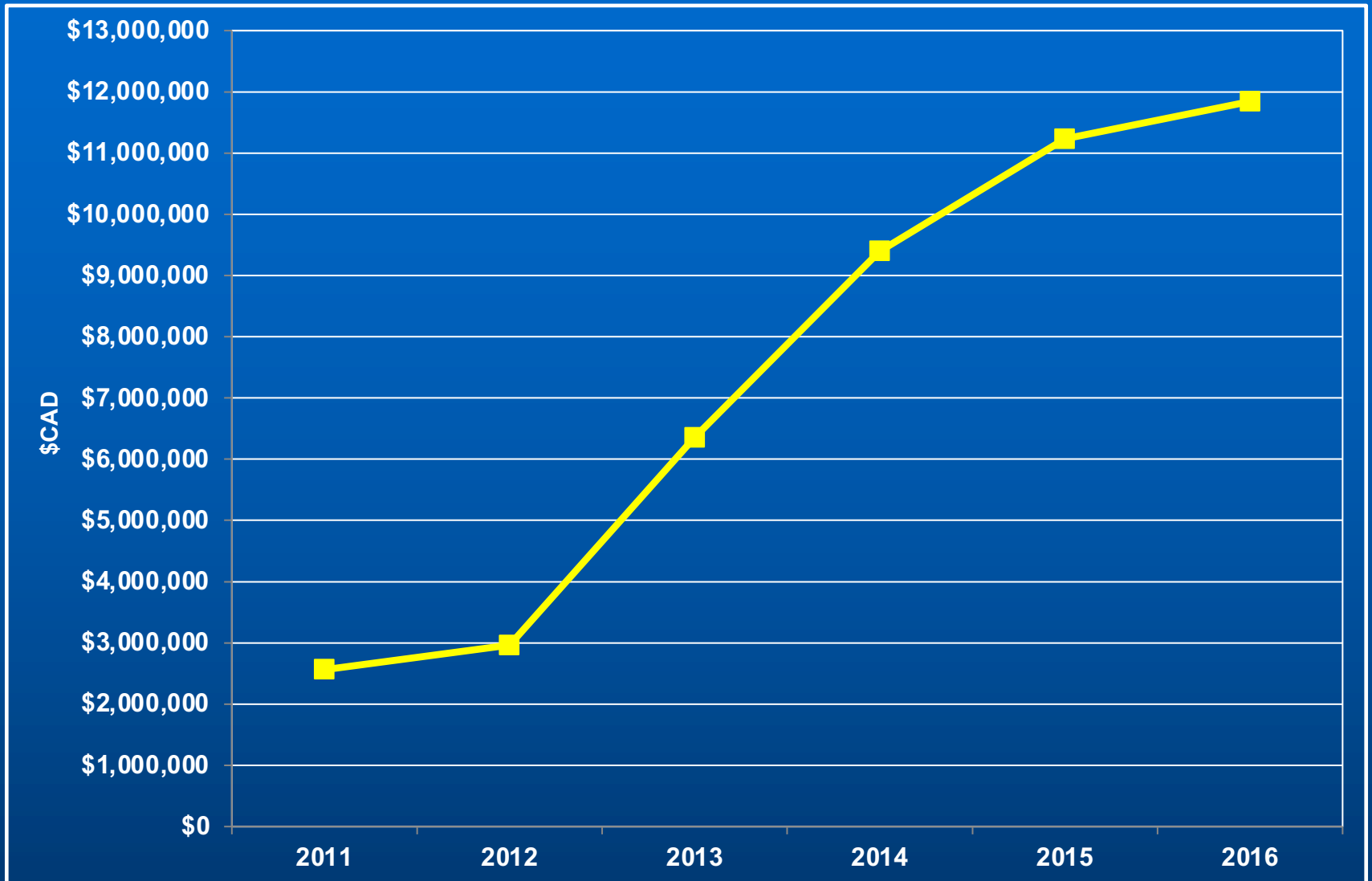
JOHN STILLWELL/PA RETNA

PICTURE OF A SOLDIER WITH OUR ILLUMINATED TORCH

MARKETS

- We supply over 200 customers.
- Our products are used in 3 major markets:
 - Aerospace Industry (Bombardier, Airbus, Boeing).
 - Construction Industry.
 - Defense Industry (US Army, British Ministry of Defence).
- Licensed to ship to 17 countries in 2016.
- Made 1,001 shipments of product in 2016.
- 58% of our products are shipped outside of Canada:
 - United States (47%).
 - Switzerland (3%).
 - United Kingdom (1%).
 - Netherlands (1%).
 - Germany (1%).

ANNUAL SALES



SUPPLIERS

- SRBT spent over \$6,000,000 worth of goods and services in 2016.
- 170 suppliers of goods and services:
 - Majority of suppliers are located in Ontario.
 - Over 50 local suppliers (CNL, EIP, ETM, BDI, Buske, etc.).

LOCAL ADVANTAGES

- Low taxes and rental rates compared to larger centers.
- Available workforce (High unemployment rate).
- Loyal community.
- Elected officials involved at the Municipal, Provincial and Federal level.
- Lots of funding opportunities (CFDC, EODF, BDC, IRAP, etc).

GROWTH STRATEGY

Based on our stable and experienced workforce:

- Despite our growth the workforce averages nearly 9 years of experience at the facility, with an average age of 42 years of age.
- Members of the Health Physics team possess a combined 129 person-years working at SRBT (over 16 years on average per member).
- President and Vice-President, who have owned the company since 2012, have a combined 46 years of experience managing and operating the facility.
- Carefully hired skilled staff from other facilities with specific expertise, good values and work ethic.

LICENSED BY THE CANADIAN NUCLEAR SAFETY COMMISSION

- SRBT is licensed by the CNSC to process tritium.
- In July 2015 CNSC renewed SRBT's license for a period of 7 years.
- Longest license in our history.
- Recognized that SRBT have operated the facility safely.
- Over the 7 year term we will continue to:
 - Operate the facility safely.
 - Further lower emissions.
 - Improve the effectiveness of our programs.
 - Have regular interaction with the public.

OVERSIGHT

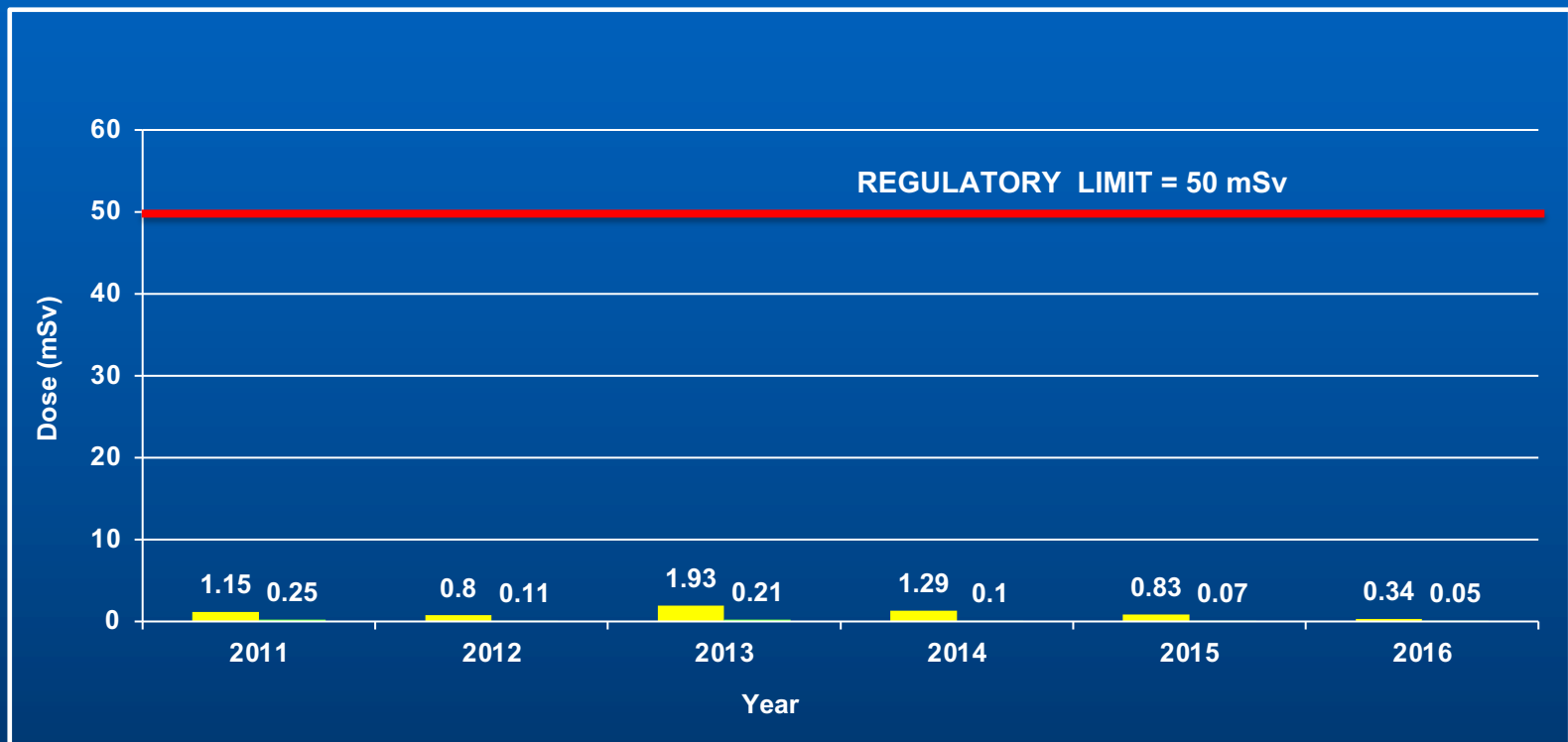
- Canadian Nuclear Safety Commission (CNSC).
- Ontario Ministry of the Environment (MOE).
- ISO 9001 Registrar.
- Frequent Internal Audits.
- Ontario Power Generation (OPG) audits.
- Pembroke Fire Department Inspections.
- Fire Protection Consultant Inspections.
- Underwriters Laboratories (UL) audits.
- Customer audits.

KEY TRAINING ACTIVITIES

- Radiation Safety Training.
- Yearly Fire Extinguisher Training.
- Fire Responder Training.
- Transportation of Dangerous Goods Training.
- Health Physics Training.
- Fire Protection Committee Member Training.
- Health and Safety Training.

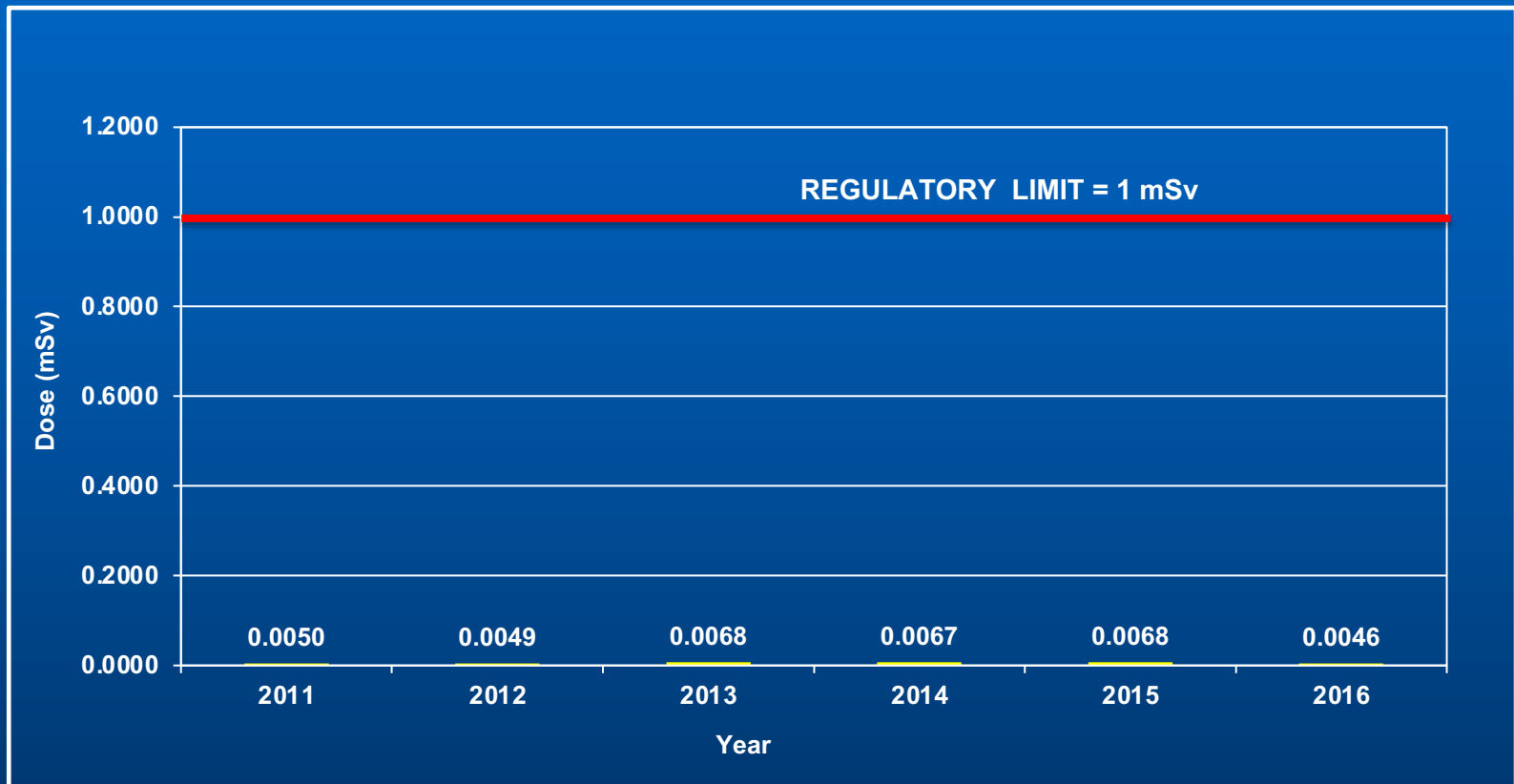
ANNUAL RADIATION WORKER DOSE

DOSE	2011 mSv	2012 mSv	2013 mSv	2014 mSv	2015 mSv	2016 mSv	LIMIT mSv
Maximum	1.15	0.80	1.93	1.29	0.87	0.34	50
Average	0.25	0.11	0.21	0.10	0.07	0.05	



ANNUAL MAXIMUM PUBLIC DOSE

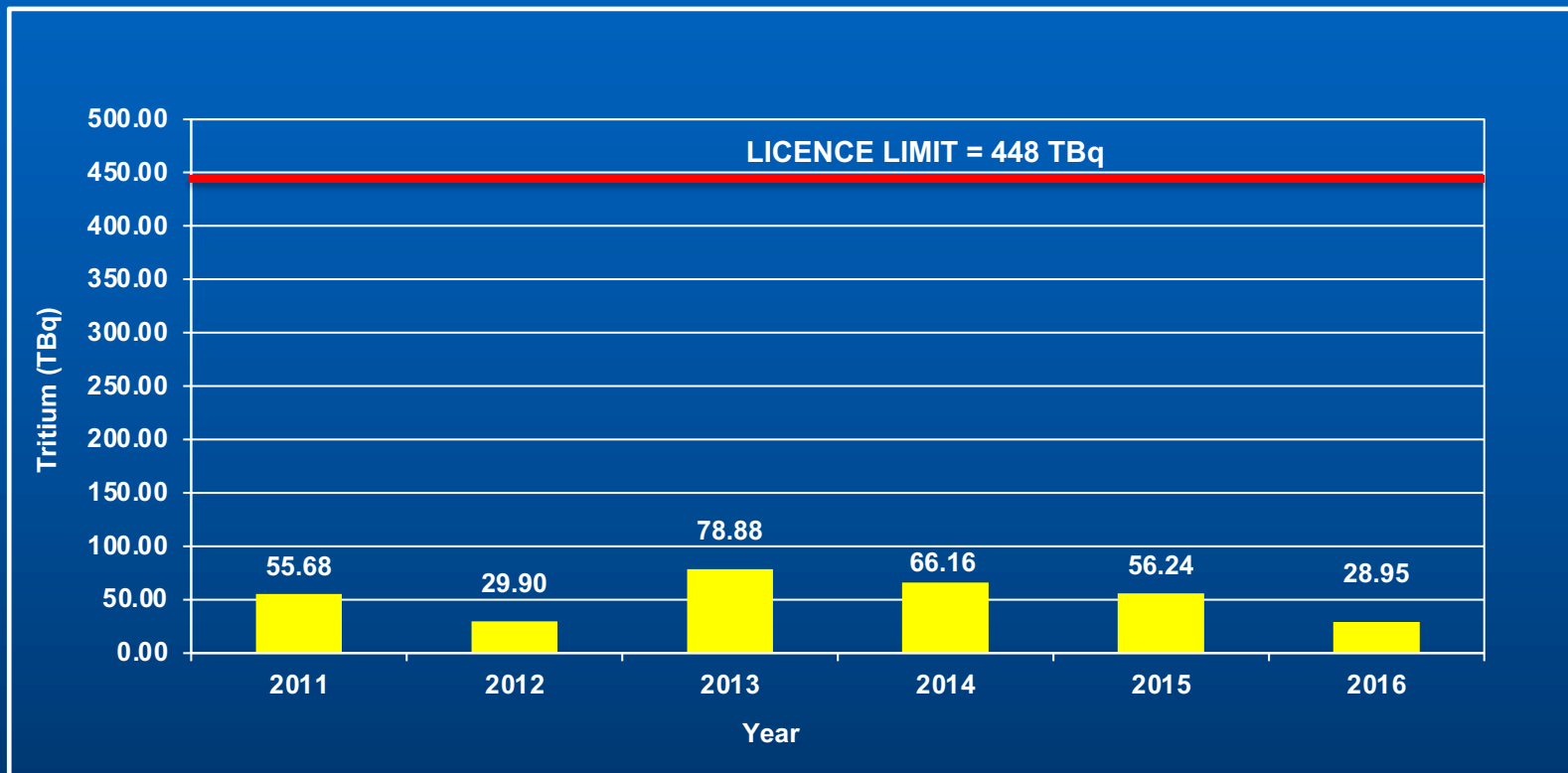
DOSE	2011 mSv	2012 mSv	2013 mSv	2014 mSv	2015 mSv	2016 mSv	LIMIT mSv
Maximum	0.0050	0.0049	0.0068	0.0067	0.0068	0.0046	1.0000



ANNUAL AIR EMISSIONS OF TRITIUM

Annual emission of tritium to atmosphere <18% of licence limit:

Emissions	2011 TBq	2012 TBq	2013 TBq	2014 TBq	2015 TBq	2016 TBq	LIMIT TBq
Tritium	55.68	29.90	78.88	66.16	56.24	28.95	448.00



TOTAL ATMOSPHERIC RELEASES

ENVIRONMENTAL MONITORING

We collect and analyze samples as dictated by our Environmental Monitoring Program:

- 40 air monitoring stations within 2 km of the facility.
- 46 wells.
- 8 precipitation monitors.
- Produce sampling from local gardens and local market.
- Local milk.
- Local wine.
- Muskrat River.

Data is used to calculate the maximum dose to a member of the public as a result of the emissions from SRBT.

EMERGENCY MANAGEMENT AND FIRE PROTECTION

- Conducted a full-scale emergency exercise on February 9, 2015.
- Conducted with Pembroke Fire Department and the City of Pembroke, and was observed by CNSC staff.



EMERGENCY EXERCISE, FEBRUARY 9, 2015

PUBLIC INFORMATION PROGRAM

Various direct Interaction with the Public

- Information pamphlet and license renewal information sent to various stakeholders including those living within 500 meters of the facility.
- Information pamphlet sent to 10,000 residences, businesses and establishments in Pembroke and Laurentian Valley.
- 166 plant tours between 2011 and the end of 2016, with 44 tours conducted in 2016.
- Door to door campaign of 369 residences, 76 individuals that were at home expressed very little to no concern.

PUBLIC INFORMATION PROGRAM (Continued)

HOME	OUR COMPANY & VISION	PRODUCTS	DISPOSAL & RECYCLING	TRANSPORT	PUBLIC DISCLOSURE PROTOCOL	PUBLIC NOTIFICATIONS	SEARCH SITE	CONTACT US
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- No Wiring*
- No Electricity*
- No Batteries*
- No Maintenance*

SRB, Part of Your Community



PAMPHLET & BROCHURE	LICENCE & HANDBOOK	ANNUAL COMPLIANCE REPORTS	OTHER REPORTS & MONITORING RESULTS	PRESENTATIONS & MEETINGS	TRITIUM INFORMATION	PUBLIC SURVEYS	EMERGENCY PREPAREDNESS	COMMUNITY INVOLVMENT
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www.SRBT.com

PUBLIC INFORMATION PROGRAM (Continued)

- Website is frequently updated:
 - Public notifications regularly posted.
 - Licence and Licence Conditions Handbook posted.
 - Annual Compliance Reports posted.
 - Monitoring results posted.
 - Details of main Presentations and meetings posted.
 - Information on tritium and radiation posted.
 - Emergency Preparedness information posted.
 - Community support and involvement initiatives.
- Facebook and Instagram page developed and linked to website.

FINANCIAL GUARANTEE

- CNSC-approved Financial Guarantee in 2015 based on previous revision of Preliminary Decommissioning Plan.
- Hired contractors directly involved with decommissioning of similar facilities to determine decommissioning costs of \$652,488.
- \$616,153 currently held in escrow and building interest.
- SRBT proposes 3 more equal payments to fund balance, to be made every six months to escrow account with the last payment to be made in April 2018.

FUTURE OUTLOOK

- Committed to expand market for existing products and to the development of new products.
- Committed to expand our own manufacturing capabilities.
 - Recently expanded our building by 3,000 square feet.
 - Recently purchased 300 ton molding machine.
 - Recently purchased largest 3D printer in Renfrew County.
 - Will hire 5-10 staff over the next two years.
- Committed to Research of emission reduction initiatives where no less than 5% of our annual profit is allocated to researching and implementing emission-reduction strategies and technologies.
- Committed to communication with Nuclear Community, environmental groups and the public.
- Committed to reduction of doses as a result of our operation.

