



SRB TECHNOLOGIES (CANADA) INC.

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Mr. R. Buhr
Project Officer, Nuclear Processing Facilities Division
Canadian Nuclear Safety Commission
P.O. Box 1046, Station B
Ottawa, Ontario
Canada
K1P 5S9

Subject: Full Report – Event Defined as a Dangerous Occurrence, as per Section 35 (c) of the PTNSR

Dear Mr. Buhr,

As required by Section 38 of the *Packaging and Transport of Nuclear Substances Regulations* (PTNSR), please accept our full report of the event that was reported to SRBT on November 28, 2016, where a trailer carrying a shipment of expired exit signs destined for our facility was suspected to have been stolen.

A preliminary report was made by telephone to the CNSC Duty Officer, as well as to your attention [1] on the day SRBT became aware of the occurrence. Details of the event were posted to the SRBT website on December 2, 2016, and the full report will also be posted to our website.

We are pleased to note that on Thursday, December 15, 2016, SRBT was made aware that the missing / stolen trailer had been located in Toronto, and that inspection of the contents of the trailer showed that the shipment of expired exit signs was accounted for and in good condition, and that there were no apparent signs of tampering with the items.

Members of the Health Physics Team assessed the shipment on Monday, December 19, 2016, and found no evidence of any radiological hazard.

Should you have any questions or concerns on this report, please do not hesitate to contact me at any time.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stephane Levesque', is written over the printed name and title.

Stephane Levesque
President
SRB Technologies (Canada) Inc.

cc: K. Murthy, CNSC
R. Duguay, CNSC
R. Fitzpatrick, SRBT
J. MacDonald, SRBT
S. Pleau, SRBT

Reference

- [1] Email from J. MacDonald (SRBT) to R. Buhr (CNSC), *Report Made to Duty Officer – Dangerous Occurrence under Section 35 (c) of PTNSR*, dated November 28, 2016.



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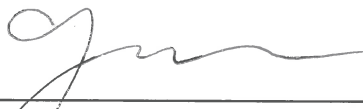
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FULL REPORT

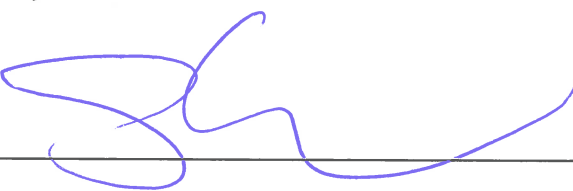
Event Defined as “Dangerous Occurrence”, as per Section 35 (c) of
Packaging and Transport of Nuclear Substances Regulations

Author:




Jamie MacDonald
Manager of Health Physics & Regulatory Affairs

Accepted:



Stephane Levesque, President

Accepted:



Ross Fitzpatrick, Vice-President

Date Submitted: December 19, 2016

Submitted To: R. Buhr, Project Officer - CNSC

SRBT Full Report

Event Defined as “Dangerous Occurrence”, as per Section 35 (c) of Packaging and Transport of Radioactive Materials Regulations

NOTE: This report is intended to fulfill the requirements associated with Clause 38 of the Packaging and Transport of Nuclear Substances Regulations (PTNSR), in relation to the event where SRBT was made aware of the suspected theft of a transport trailer containing a shipment of expired exit signs destined for delivery to our facility in Pembroke.

The information presented below reflects the fact that the missing / stolen trailer was reported as found on Thursday, December 15, 2016 in Toronto. The trailer was opened and inspected by the carrier and the Peel Regional Police, in close consultation with SRBT. It was determined that all items containing nuclear substances destined for SRBT were present and accounted for, that it was apparent that the packages appeared to have not been tampered with, and that they remained in good condition for transport. The shipment was assessed by members of the SRBT Health Physics Team on Monday, December 19, 2016, prior to taking receipt. There was no evidence of any radiological hazard associated with the packages.

(a) The date, time and location of the failure to comply or of the dangerous occurrence.

SRBT was informed of the situation at 0945h on Monday, November 28, 2016. The information provided to SRBT has indicated that the theft of the trailer occurred sometime between 1600h on Saturday, November 26, 2016 and 0200h on Sunday, November 27, 2016.

The trailer had been parked in the yard of Sera Global Logistics, located at 960 Britannia Road East, Mississauga, Ontario, awaiting further transport.

(b) The names of the persons involved.

The names of the persons who perpetrated the event resulting in the radioactive material being lost / stolen / no longer in the control of persons required to have control are not known at this time. The investigation is continuing, led by the Peel Regional Police – Commercial Auto Crime unit. The officer who has been the main contact point for SRBT is Constable Colin Grieve.

(c) The details of the packaging and packages.

The shipment of concern was four (4) pallets of expired tritium exit signs destined for SRBT in Pembroke, ON. The consignor of this shipment was our sister company, SRBT in Winston-Salem, NC, USA.

The signs were contained in packages that meet the requirements of an 'Excepted Package' as defined in the IAEA Safety Standard No. SSR-6, *Regulations for the Safe Transport of Radioactive Material*, and were labelled as such.

(d) *The probable cause of the situation.*

Unknown – the investigation is ongoing at this time. It is likely that this event occurred as a result of conventional crime of the theft of goods.

(e) *The effects on the environment, the health and safety of persons, and national or international security that have resulted or may result.*

The information that is on hand to this point strongly indicates that at no time was there any effect on the environment, nor the health and safety of persons during the time the shipment was missing. The items that were missing are tritium exit signs, which are certified radiation devices that are sold as consumer products, and are designed to present zero radiological risk.

Any potential effect on national or international security would have been extremely limited by the nature of these items. As the items have been found and recovered in good condition, there was no effect on national or international security relating to nuclear substances.

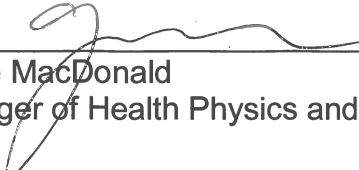
(f) *The doses of radiation that any person has received or is likely to have received.*

Based upon the condition of the shipment when recovered, the radiological assessment performed by SRBT, and of the discussions and information exchanged between the carrier and the police, SRBT concludes that there was no dose of radiation received by any person as a result of this event.

(g) *The actions taken to remedy the failure to comply or the dangerous occurrence and to prevent its recurrence.*

In order to remedy the dangerous occurrence, SRBT maintained and will continue to maintain clear and open communications with the carrier and the police throughout the investigation in order to assist in any way possible. We believe that the dangerous occurrence has been fully remedied with the recovery of the items as reported to SRBT on Thursday, December 15, 2016.

In consultation with our carriers, SRBT is conducting a review of the security measures that are implemented by our contracted freighting companies in order to determine if there are any actions that could be taken by SRBT in an effort to prevent the recurrence of such an event.



Jamie MacDonald
Manager of Health Physics and Regulatory Affairs

DEC 15 2016

Date