



Date: 2019-02-28

File / dossier : 6.02.04

Edocs pdf : 5878902

Update from CNSC Staff

Mise à jour du personnel de la CCSN

Update on Event Initial Report for Isologic Innovative Radiopharmaceuticals - International Nuclear and Radiological Event Scale (INES) rating

Mise à jour au sujet du Rapport initial d'événement pour Isologic Radiopharmaceutiques Novateurs - Échelle internationale des événements nucléaires et radiologiques (INES)

Action item from December 12-13,
2018 Commission Meeting (#18710)

Mesure de suivi de la réunion de la
Commission des 12-13 décembre
2018 (#18710)

Commission Meeting

Réunion de la Commission

May 15, 2019

Le 15 mai 2019


*This page was intentionally
left blank*

*Cette page a été intentionnellement
laissée en blanc*



To Marc Leblanc
Commission Secretary

A **CC:**
Ramzi Jammal
Executive Vice-President and Chief Regulatory
Operations Officer

From Colin Moses 
De Director General
Directorate of Nuclear Substance Regulation

Security Classification – Classification de sécurité	
UNCLASSIFIED	
e-Doc number / ccm number	
e-Doc 5726609	
Your File – Votre référence	
Date	Tel. No. – N° de tél.
Feb 28, 2019	613-993-7699

Subject Event Initial Report (EIR) Isologic 16092-3-19.1 – INES Rating
Objet

During the December 13, 2018 Commission meeting, Agenda item 9.1, Isologic Innovative Radiopharmaceuticals – Exceedance of the regulatory dose limit for extremities by a Nuclear Energy Worker, the Commission inquired as to the International Nuclear Event Scale (INES) level that should be ascribed to the personnel contamination event reported in the Event Initial Report.

The IAEA provides guidance on the use of the INES scale with respect to exposure events. With respect to worker exposures, the IAEA recommends that level 2 be the level for events that result in exposure of a worker in excess of statutory annual dose limits and that level 3 be the level for events that result in exposure leading to an effective dose greater than ten times the statutory annual whole body dose limit for workers.

As described in CMD 18-M65, the calculated dose to the skin of the left thumb of the worker is 1.7 Sv (1,700mSv). This dose is greater than the statutory dose limit of 500 mSv to the skin yet is below the statutory annual whole body dose limit for workers. As a result, an INES classification of Level 2 is appropriate for this event.

CNSC staff include a list of all events in the annual regulatory oversight report on the use of nuclear substances in Canada, which includes the appropriate INES rating of each event. This event will be included in the 2018 report as an INES Level 2 event.

Attachment: (1)

1. Event Initial Report (EIR) Isologic 16092-3-19.1 (e-Doc 5726609)