Nordion
A Sotera Health company

Nordion (Canada) Inc. Event Reporting

For the Quarter (Oct to Dec 2021)

Event Number	Event	Status/Outcome
21-17*	QC vial activity exceedance	A shielded vial containing In111 Chloride was placed in a fume hood for QC testing. Due to a typo, the activity of the In-111 exceeded the pre-approved activity limit for the fume hood. There were no negative impacts as the vial was shielded.
21-18*	Late notification on imported sources	The receipt of Co60 raw material from a supplier was not reported into the CNSC sealed source tracking system (SSTS). The report was subsequently submitted, and discussions were held with the CNSC on the reportability of Co60 raw material from Nordion suppliers.
21-19*	Discrepancy on shipping label	A shipment received from a supplier was found with an incorrect activity on the shipping label. The supplier was notified and has updated their process for proper completion of the shipping documents.
21-20*	Lost TLD	A contractor lost their TLD within the radiation area. It was found 1 year later and inadvertently placed with current TLD's for measurement. The measured dose, although higher than the limit for a contractor, was consistent with what would be expected from a 1-year (24hr/365days) exposure within this area of the facility. The recorded dose however, did not accurately represent the contractor's correct dose since the TLD had been missing for 1 year.
21-21*	Halocarbon release	A potential release of refrigerant was identified during routine maintenance on one of the chillers. The amount of halocarbon potentially released was greater than 10 kg (less than 100 kg), which exceeds Environment Canada's threshold limit for semi-annual reporting. The system was reviewed to confirm there was no ongoing refrigerant leak. This release does not pose any risk to the environment.

Event Number	Event	Status/Outcome
21-22 and 21-23*	Pressurized steam on F-231 package	A loaded F-231 transport package was received from a supplier that had higher than expected contamination at the drain line of the package and also exhibited a steam release upon opening. Both issues were identified to be due to trapped water. The procedure for use of the transport was updated to mitigate this issue.

**** There was no impact to health, safety, environment, or security as a result of these events***