

Nordion (Canada) Inc. Event Reporting

For the Quarter (July – September 2019)

Event Number	Event	Status/Outcome
19-09*	Improper weld of a Co-60 sealed source from a supplier.	The supplier was made aware of the issue. No further action required by Nordion. The source was secured in storage pending disposition.
19-10*	Near-miss – Pass-through door interlock failure.	Administrative controls ensure safety when opening the cell door. Interlock switch was fixed and all Cobalt cell interlock limit switches were checked for operation. Nordion will implement a routine verification.
19-11*	A higher than usual radiation field was found on a package returned to Nordion.	A Co-60 pellet shifted during transit and was located between the shielding and shell of the package. Shipment was compliant with regulations. Nordion will conduct a review of the pellet recovery process and revise the cell and pail inspection procedures.
19-12*	Sealed sources were returned in a non-routine configuration and with measured contamination.	Nordion has provided feedback to the distributor. No further action required by Nordion.
19-13*	Trace amounts of Tb-160 detected in waste water.	Tb-160 amounts posed no danger to the public or the environment. Tb-160 is not typically detected, but is potentially a contaminant from the Co-60 process. Nordion will continue to monitor.
19-14*	The transfer of sealed sources to a domestic customer's license was reported to the CNSC Sealed Source Tracking System prior to assessment of the customer's authorization to possess nuclear material.	Nordion will investigate the addition of a verification step for completion of the customer site license assessment prior to reporting and add instructions to the applicable procedure.
19-15*	A Nuclear Material Accountancy Record was not submitted to the CNSC within the required timeframe.	Nordion will investigate an alternative means to identify, track and alert personnel of upcoming shipments containing safeguarded material and the addition of a verification step.

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