



Syncor International Corporation

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## COMMENTS:

This letter is in reply to your questions posed during an inspection of our Bristol, PA radiopharmacy on December 20, 2000. During inspection of the dosimetry records for [REDACTED] you noted that her lifetime whole body exposure was in excess of 28 rem.

[REDACTED] had two skin contamination events in 1999. The first event occurred in September, resulting in a Shallow Dose Equivalent (SDE) Whole Body of 0.587 rem. Employing the inverse square law, the Deep Dose Equivalent (DDE) (at 1 cm depth) from this contamination event would be 0.03 millirem. The second event occurred in December, resulting in a SDE of 28.5 rem. Employing the inverse square law again, the DDE (at 1 cm depth) from this contamination event would be 1.4 millirem.

As indicated by [REDACTED] during the inspection, the elevated values for lifetime DDE on the dosimetry reports are not due to exposures, but rather a clerical error. The dosimetry company, Landauer, apparently thought the dose from the event was to be applied to DDE, SDE and Lens Dose Equivalent (LDE). We contacted Landauer during the first week of 2001 to fix the error.

Although the skin contamination events resulted in substantial SDE values, the DDE values would be incremented only slightly. Since the contamination occurred on the neck or face regions and the whole body dosimeter was at the collar level, we feel the additional DDE from the contamination events was recorded by the dosimeter.

If you have any further questions regarding this fax, please contact me at (818) 737-4491.