

Central files

Mallinckrodt, Inc.

BOX 10172 LAMBERT FIELD • ST LOUIS MISSOURI 63145 • PHONE 314 291 0540

August 7, 1975

Director of Inspection
and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Reference: U.S. NRC License
No. 24-04206-01

Dear Sir:

A Production supervisor received a whole body exposure of 1,965 mRem for the quarter ending June 29, 1975, as determined by the sum of weekly filmbadge reports. This exposure was in reasonable agreement with the sum of daily pocket chamber dosimeter readings taken concurrently. These two methods of dosimetry are used for all radiation workers.

Both radiation workers and non-radiation workers wear identification badges containing TLD chips which are read out on a quarterly basis. The filmbadge results have always been used as our official record of exposure. We have relied upon the TLD readings as the measure of exposure when they are worn exclusively, or for backup in cases where filmbadges are lost, contaminated, damaged, exposed when not worn by the radiation worker, or otherwise show evidence of artifacts.

We recently received the results of the quarterly TLD measurements and in this particular case the reported exposure for the Production supervisor was 3,550 mRem. This is contrary to past results which show the filmbadge and TLD measurements to be in reasonable agreement.

Our dosimeter supplier has re-read the filmbadges and reported that the original readings were valid. However, due to the nature of a TLD system, the TLD cannot be re-read and verified.

We therefore are unable to determine which of the two reported values is most representative of the actual exposure and have decided to substitute the TLD value in the individual's radiation history file.

This technically represents an exposure in excess of the limits specified in 10CFR 20.101(b) and is accordingly being reported in

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Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 6
FOIA- 96-343

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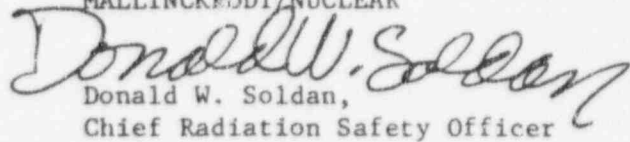
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compliance with Paragraph 20.405.

Sincerely yours,

MALLINCKRODT, INC.
MALLINCKRODT/NUCLEAR


Donald W. Soldan,
Chief Radiation Safety Officer

DWS/lm
cc: Director NRC
Region III

The individual referenced in this report is

[REDACTED]

Ex 6

His Social Security number is [REDACTED] and his date of birth is

[REDACTED]