

JAN 24 1991

Docket No. 030-20537

License No. 37-21345-01MD

Mallinckrodt, Inc.
Diagnostic Imaging Services
ATTN: Mr. Rudolph V. Gilliam
Facility Manager and
Radiation Safety Officer
19 Independence Court
Folcroft, Pennsylvania 19032

Gentlemen:

Subject: Inspection No. 030-20537/90-01

This refers to your letter dated October 10, 1990, in response to our letter dated September 18, 1990.

Thank you for informing us of the corrective and preventive actions documented in your letter. These actions will be examined during a future inspection of your licensed program. However, certain aspects of your reply to items B and C will require additional clarification.

Regarding your response to item B, you stated that concentration of iodine-131 in air will be measured on a quarterly basis. Measurements made on a quarterly basis may not be adequate since you frequently handle iodine-131 daily. Concentration measurements should be made when volatile gases are handled or stored on a frequency appropriate for the timely detection and assessment of airborne radioactivity in the area. In your response to this letter, please provide us with a comprehensive description of your procedure to measure and monitor airborne concentrations of radioactivity and employee intake. In item C, please address the differences, if any, in your air sampling and bioassay programs for individuals working with bound and unbound iodine. Also, you did not address our request identified in paragraph 3 concerning evaluation of bioassay results and your ALARA program to minimize workers' exposure to airborne radioactive materials. Please respond within twenty days of receipt of this letter.

Your cooperation with us is appreciated.

Sincerely,

Original Signed By:
Mohamed M. Shanbaky

Mohamed M. Shanbaky, Chief
Nuclear Materials Safety Section A
Division of Radiation Safety
and Safeguards

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