

MALLINCKRODT, INC.
Diagnostic Imaging Services
9455 Midwest Avenue
Garfield Heights, OH 44125

STANDARD OPERATING PROCEDURES

DATE: November 21, 1985
ITEM: SOP No. DIS-09
PAGE: 1 of 2

SUBJECT: Radiation Level Survey

OBJECTIVE: To measure and control radiation levels

RESPONSIBILITY: Site radiation safety officer

SCHEDULE: Working areas, generator elution and storage areas: Daily
Vehicles: Weekly

PROCEDURE:

1. Daily Surveys

The record will include:

- a. A drawing of the area surveyed identifying relevant features such as work areas, storage areas and waste areas.
- b. Measured exposure rates (in mR/hr) keyed to specific locations on the drawing.
- c. Corrective action taken in the case of contamination, subsequent survey results and any comments.

2. Action Levels

- a. Unrestricted areas: Surveys should not exceed 0.25 mR/hr. Appropriate shielding actions should be taken if necessary.
- b. Restricted areas: Surveys should not exceed 2 mR/hr. Appropriate shielding or decontamination procedures should be followed if necessary.

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24-04206-07MD PDR

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SUBJECT: Radiation Level Survey - continued

- c. Any areas of the pharmacy in which exposure levels are 5 mR/hr or 100 mR/5 consecutive days should be posted with signs worded "CAUTION, RADIATION AREA".
 - d. At all times, radiation levels should be controlled to keep exposures to personnel ALARA.
3. Record should include the date, area surveyed (keyed to facility layout if applicable), the equipment used, and name of person performing the survey.