

Isotope Files

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COMPLIANCE INQUIRY MEMORANDUM  
MALLINCKRODT NUCLEAR, ST. LOUIS, MISSOURI  
LICENSE NO. 24-4206-1  
REPORT OF EXCESSIVE THYROID BURDEN OF IODINE 131

Reference a letter dated November 21, 1967, from Subject licensee in which an apparent thyroid burden of the recommended limits of 0.14 microcuries is reported. The report is for [REDACTED] for the week of October 23.

Ex 6

It will be noted that the licensee found external contamination on the hair on the back of the individual's neck, and after subsequent hair washings, the residual contamination was effectively reduced. Thyroid level on October 25 was found to be 0.14 microcuries. The licensee had planned to make successive daily thyroid measurements, but employee [REDACTED] did not show up for work until October 30, 1967. Thyroid measurements made that day showed a 0.08 microcurie level. Cox was terminated that day by the licensee for company rule infractions.

The average weekly thyroid burden was calculated to be 0.13 microcurie, which places this case within the unreportable case framework.

The steps taken by the licensee appear to be adequate; and the effectiveness of the licensee's program efforts to minimize thyroid uptakes appear, based on licensee's remarks relating to corrected measures taken, to be improving since the Region III October 17, 1967, discussion with licensee management. Continued review will be made during each inspection toward the licensee's thyroid problems.

We plan no specific action at this time with respect to the report of [REDACTED] thyroid burden.

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