

April 2, 2003

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-III-03-016

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region III staff on this date.

Facility

University of Michigan  
Ann Arbor, Michigan  
Docket: 030-001988  
License: 21-00215-04

Licensee Emergency Classification

Notification of Unusual Event  
 Alert  
 Site Area Emergency  
 General Emergency  
 Not Applicable

SUBJECT: MEDICAL EVENT INVOLVING SODIUM IODIDE IODINE-131

DESCRIPTION:

On April 2, 2003, the University of Michigan radiation safety officer reported that a patient received a sodium iodide iodine-131 (iodine-131) therapeutic administration on April 1, 2003, that differed from the prescribed dose by 27.6 percent.

The medical staff orally administered [REDACTED] of liquid iodine-131 to a patient being treated for hyperthyroidism. The patient was released under appropriate instruction following the administration. The medical staff then assayed the vial used in the administration and determined that [REDACTED] of iodine-131 remained. Therefore, the patient only received [REDACTED] of iodine-131 which was 27.6 percent below the [REDACTED] specified in the written directive. The medical staff continues to investigate why [REDACTED] of iodine-131 remained in the vial.

The medical staff planned to administer the remaining [REDACTED] of iodine-131 on April 2, 2003. The licensee does not anticipate any adverse effects due to this event.

A Region III materials inspector will conduct a special inspection to review the circumstances surrounding this event during the week of April 7, 2003.

NMSS and the State of Michigan have been notified. The information in this preliminary notification has been reviewed with licensee management.

The licensee notified the NRC Operations Center of this medical event on April 2, 2003. This information is current as of 1:00 p.m. CST on April 2, 2003.

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