

June 24, 2003

This Event is not for public disclosure per Agreement State request until 6/26/03

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-III-03-028

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.

<u>Facility</u>	<u>Licensee Emergency Classification</u>
Good Shepherd Hospital	<input type="checkbox"/> Notification of Unusual Event
Barrington, Illinois	<input type="checkbox"/> Alert
License: IL-01620-01	<input type="checkbox"/> Site Area Emergency
(Agreement State licensee)	<input type="checkbox"/> General Emergency
	<input checked="" type="checkbox"/> Not Applicable

SUBJECT: MEDICAL EVENT (UNDERDOSE)

DESCRIPTION:

On June 23, 2003, the Illinois Department of Nuclear Safety (IDNS) notified the NRC Operations Center of a medical event which occurred on June 17, 2003, at Good Shepherd Hospital in Barrington, Illinois. IDNS was notified of the medical event by the licensee's consultant on June 23.

Two therapy patients were scheduled to receive iodine-131 capsules on the same day. One patient was given a 10.8 millicurie capsule by a nuclear medicine technologist, rather than the intended 14.8 millicurie capsule. The error resulted in an underdose of approximately 28 percent. The second patient was not administered the other iodine-131 capsule. IDNS indicated the cause of the error was inattention to detail by the technologist.

The radiation oncologist does not believe there will be any appreciable effect to the patient, but will evaluate the patient to determine whether an additional dose is needed to achieve desired therapeutic results.

The referring physician was notified of the medical event. The physicians determined that it would not be appropriate to notify the patient, based on medical judgement, given the patient's medical condition.

IDNS is performing an investigation of the event and is addressing the late reporting by the licensee.

The NRC's Office of State and Tribal Programs and Office of Nuclear Materials Safety and Safeguards have been notified. The NRC's Region III (Chicago) Office is monitoring the State's investigation. This information is current as of 9:00 a.m. CDT on June 24, 2003.

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