

Docket File Information
SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE Union Hospital, Inc. REPORT 2006-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-11072	4. LICENSE NUMBER(S) 13-16457-01	5. DATE(S) OF INSPECTION September 21, 2006	
6. INSPECTION PROCEDURES USED 87131/87132		7. INSPECTION FOCUS AREAS 03.01- 07/03.01-03.07	
SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM 2120	2. PRIORITY G3	3. LICENSEE CONTACT Rasiklal Ganatra, M.D., RSO	4. TELEPHONE NUMBER 812-238-7000
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: <u>September 2009</u>	
<input type="checkbox"/> Field		<hr/>	
<input type="checkbox"/> Temporary Job Site		<hr/>	

PROGRAM SCOPE

This active medical facility performs about 250 diagnostic nuclear medicine procedures monthly. The licensee receives unit doses from an area pharmacy daily. Moly/Tc99 generators are not received. Five full-time technologists are on staff. Approximately 15 lung ventilations are performed monthly using xenon-133.

The licensee's iodine-131 program consists of about three HTT monthly and twelve ablation radioiodine treatments annually all in capsule form. Approximately two Zevalin (Y-90) procedures are done annually for treatment of non-Hodgkins lymphoma.

The licensee's conventional brachytherapy program is comprised mainly of 40 ultrasound guided prostate treatments annually involving iodine-125 seeds and approximately 15 conventional implants using cesium-137. The licensee is considering future HDR applications. The necessity of a license amendment was discussed prior to the addition of this modality.

Performance Observations

Interviews conducted with available nuclear medicine staff revealed an adequate level of understanding of emergency and material handling procedures and techniques. Patient injections observed included the use of gloves, personnel dosimetry, and proper clothing. Area surveys, package surveys and wipes and dose calibrator constancy checks were demonstrated with no problems noted. Compliance audits are performed quarterly by a consultant which appear to adequately oversee licensed activities.

A random review of radiopharmaceutical and brachytherapy written directives included all required information and did not reveal medical or recordable events. Sealed source accountability was verified against current inventory and appeared well maintained by the licensee. Currently, the licensee does not possess quantities of licensed material in excess of Table 1, Increased Control Order, dated November 2005.

Whole-body and extremity dosimetry records for 2005 (nuclear medicine) revealed a maximum of 540 mRem and 3390 mRem respectively. YTD 2006 whole-body and extremity readings were 295 mRem and 2470 mRem respectively. YTD 2006 exposure readings for radiation oncology were 63 mRem whole-body and 190 mRem extremity. One declared pregnant worker exposure was 175 mRem for the gestation period.

Overall, licensed material was observed under surveillance during the review and was not readily accessible to members of the general public. Independent measurements taken in restricted and/or unrestricted areas of nuclear medicine and radiation oncology did not indicate readings above expected.

NOTE: On May 2, 2005, the licensee had a medical event involving the selection of an incorrect diameter vaginal brachytherapy applicator. An inspection was conducted on May 11-12, 2005, with corrective action taken as specified in IR 03011072/2005-001, dated June 3, 2005, and the licensee's letter dated May 9, 2005. Based on interviews and record reviews performed during this inspection, the corrective actions described appeared effective and adequate. Therefore, this violation may be considered closed.

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Union Hospital, Inc. 1606 North Seventh St. Terre Haute, IN 47804 REPORT 2006-001	2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Lisle, Illinois 60532-4351
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3. DOCKET NUMBER(S) 030-11072	4. LICENSEE NUMBER(S) 13-16457-01	5. DATE(S) OF INSPECTION SEPTEMBER 21, 2006
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LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

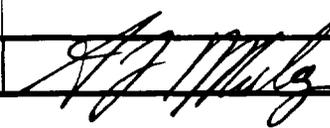
_____ Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

- 4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Licensee's Statement of Corrective Actions for Item 4, above.

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	S. J. Mulay		10/3/06