

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: St. John Oakland Hospital REPORT NUMBER(S) 2006/001		2. NRC/REGIONAL OFFICE REGION III	
3. DOCKET NUMBER(S) 030-02101	4. LICENSE NUMBER(S) 21-11494-01	5. DATE(S) OF INSPECTION	
6. INSPECTION PROCEDURES USED IP 87131		7. INSPECTION FOCUS AREAS 03.01-03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02120	2. PRIORITY 3	3. LICENSEE CONTACT R. Carlson or F. Bagne	4. TELEPHONE NUMBER 248-967-7000
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Main Office Inspection Next Inspection Date: 3/2009

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

The licensee was a 200 bed hospital located in Madison Heights, Michigan, authorized to use licensed materials under Sections 35.100, 35.200, 35.300, and 35.400. The nuclear medicine department was staffed with two full-time nuclear medicine technologists who performed approximately 10-15 diagnostic cardiac studies daily using unit doses of technetium-99m and thyroid studies using iodine-131. The licensee also received a Mo-99/Tc-99m generator once a week. The licensee had not performed any therapy using iodine-131 in the past few years. The doses were delivered to the hospital from a local pharmacy. The licensee retained the services of a consulting physicist to audit the radiation safety program on a quarterly basis. All waste was either returned to the pharmacy or held for decay-in-storage.

The radiation therapy activities were performed by an oncologist, urologist, and contract physicist. Brachytherapy activities included iodine-125 permanent implants to treat prostate cancer. The licensee performed approximately 40 permanent prostate implants per year. Most of the implants were performed on Tuesdays.

PERFORMANCE OBSERVATIONS

During the inspection, the inspector toured the facility and observed: (1) adequate security and use of licensed material; (2) diagnostic administrations; (3) adequate posting of areas; (4) dose calibrator QA checks; (5) package receipt and return surveys; (6) daily and weekly contamination surveys; and (7) demonstrations of emergency response procedures. In addition, the inspector reviewed select records in both the nuclear medicine and radiation therapy departments.

The inspector reviewed the written directives for the permanent prostate implant procedures, performed a confirmatory inventory of the brachytherapy sources for select patients, and noted room postings. The inspector interviewed staff in both nuclear medicine and radiation therapy departments regarding radiation safety and use and reviewed select records. Independent and confirmatory surveys indicated readings of <2mR/hr.

No violations of NRC requirements were identified during the inspection.