NRC FORM 591 PART 1
(10-2011)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE
Christian Hospital Dept. of Nuclear Medicine 11133 Dunn Road St. Louis, Missouri 63136 REPORT NUMBER(S) 2013-01	Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION
030-02382	24-13383-01	06/26/2013

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 violations(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, to exercise discretion, were satisfied.

_____ Non-cited violation(s) were discussed involving the following requirement(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 in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Statement of Corrective Actions

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	Bill C. Lin		7/12/13
BRANCH CHIEF	Aaron T. McCraw		7/13/13

NRC FORM 591M PART 3
(10-2011)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information

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6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
87131	3.01-3.08

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
2120	3	Jerri Robertson, CNMT	(314) 653-4350

☑ Main Office Inspection Next Inspection Date: June, 2016

☑ Field Office Inspection 1225 Graham Road, Florissant, Missouri

☐ Temporary Job Site Inspection

PROGRAM SCOPE

The licensee was a community hospital authorized to use licensed material permitted by Title 10 Code of Federal Regulations 35.100, 35.200, 35.300, and 35.400. The hospital is staffed with four full-time nuclear medicine technologist (NMT). The hospital performs approximately 35 diagnostic procedures weekly using Tc-99m from the local nuclear pharmacy in the form of unit doses. Typically in a year, the hospital administered I-131 for approximately 45 treatments of hyperthyroidism and four treatments for thyroid cancer, and 45 whole body CA followup studies. Radioiodine was obtained from a licensed nuclear pharmacy in capsule form. Occasionally, the hospital administered one to two cases of Sm-153 Quadramet infusion for metastatic bone disease. The licensee obtained an outside consultant to perform program audits and training. At the time of the inspection, the licensee's Section 35.400 program was inactive. The licensee had disposed of its Cs-137 source inventory. The licensee had no plan in the near future to restart the Section 35.400 program.

Performance Observations

The inspection consisted of tour of the facilities, interviews of licensee personnel, and independent measurements. The inspector tour the main hospital facility, and the new cardiology clinic in Florissant, Missouri. The inspector also reviewed selected records such as dosimetry records, annual audits, radiation training, survey instrument calibrations, package receipt, dose calibrator calibrations, constancy checks, inventory disposal, and Written Directives. The inspection included observations of security of byproduct material, use of personnel monitoring, dose calibrator QA checks, areas surveys, and administration of licensed materials to two patients. The inspector also verified that the licensee's Cs-137 brachytherapy sources were disposed of in accordance with NRC regulatory requirements. The inspector performed an in office review of the licensee's annual radiation safety training program until July 10, 2013. The inspector performed a final telephone exit meeting with the licensee on July 11, 2013.

No violations of NRC regulatory requirements were identified.