NRC FORM 591M PART 1
(10-2003)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE
Phelps County Regional Medical Center 1000 West Tenth Street Rolla, Missouri 65401 REPORT 2005-001	REGION III US NUCLEAR REGULATORY COMMISSION 2443 WARRENVILLE ROAD, SUITE 210 LISLE, ILLINOIS 60532

RD.

3. DOCKET NUMBER(S)	4. LICENSEE NUMBER(S)	5. DATE(S) OF INSPECTION
030-14804	24-18295-01	December 14 , 2005

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	Geoffrey M. Warren	Geoffrey Warren	12/14/05

NRC FORM 591M PART 3
(10-2003)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE	2. NRC/REGIONAL OFFICE
Phelps County Regional Medical Center	**Region III**
REPORT NUMBER(S) 2005-001	

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION
030-14804	24-18295-01	December 14, 2005

6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
87131, 87132	03.01 - 03.07, 03.01 - 03.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
02230	2	*Edward F. Downey, Jr., D.O, RSO*	573-364-8899

[X] Main Office Inspection — Next Inspection Date: **Dec. 2007**

[ ] *Field Office* _____

[ ] Temporary Job Site _____

PROGRAM SCOPE

The licensee was a 220-bed hospital located in Rolla, Missouri, which served the central Missouri region. Licensee had authorization to use byproduct materials under Sections 35.100, 35.200, 35.300, and 35.400, as well as iridium-192 for a high dose rate (HDR) remote afterloader. The HDR unit was provided by Midwest Brachytherapy (St. Louis, Missouri) when needed and was not available at the time of the inspection. Licensed activities were conducted only at the facility indicated on the license.

The nuclear medicine department was staffed with five full-time and one part-time nuclear medicine technologists. The licensee's nuclear medicine staff typically performed 350 diagnostic procedures monthly in the nuclear medicine area. Doses were primarily technetium-99m for cardiac, bone, liver, and other studies. In addition, licensee occasionally performed studies using indium-111 and gallium-67. Doses were received as unit doses from a licensed radiopharmacy or prepared from a technetium-99m generator. Licensee performed around 25 iodine-131 treatments annually, including whole-body scans, hyperthyroid treatments, and thyroid ablations, with the iodine-131 in capsule form. All waste was held for decay-in-storage (DIS).

The radiation therapy staff consisted of one oncologist and five physicists and dosimetrists. From January through early December, 2005, the staff performed nineteen HDR fractions on six patients with a GammaMed 12it HDR device and three samarium-153 radiopharmaceutical therapies. All waste from the radiopharmaceutical therapies was returned to nuclear medicine for DIS.

Performance Observations

The inspector observed one diagnostic administration of licensed material including dose preparation and disposal, and identified no issues with the procedures. Licensee personnel demonstrated package receipt, dose calibrator constancy tests, and survey meter checks, and explained procedures for daily and weekly contamination surveys, generator milking, kit preparation, and HDR daily checks. The inspector found no concerns with these activities. The inspector reviewed written directives for radiopharmaceutical therapies and HDR treatments and found no issues. Interviews with licensee staff indicated adequate knowledge of radiation safety procedures. Radiation surveys indicated radiation levels consistent with licensee survey records.