

ENCLOSURE 6 - INSPECTION RECORD

Region: III

Inspection Report No. 2015-001

License No. 24-00866-02

Docket No. 030-02285

Licensee: Mercy Hospital Springfield
1235 East Cherokee St.
Springfield, MO 65804

Locations Inspected: 1235 East Cherokee St., Springfield, MO

2055 S. Fremont. Springfield, MO

Licensee Contact: Nick Lannutti, RSO

Telephone No. 417-820-7704

Program Code: 02230

Priority: 2

Type of Inspection:

() Initial

(X) Routine

() Announced

() Special

(X) Unannounced

Last Inspection Date: 04/08/2013

Date of This Inspection: 04/01/2015 - 04/03/2015

Next Inspection Date: 04/01/2017

(X) Normal

() Reduced

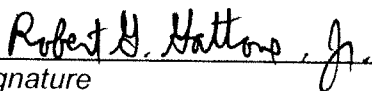
Justification for reducing the routine inspection interval:

N/A

Summary of Findings and Actions:

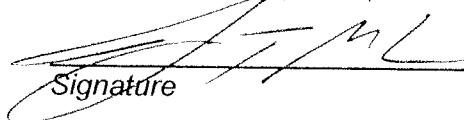
- () No violations cited, clear U.S. Nuclear Regulatory Commission (NRC) Form 591 or regional letter issued
- () Non-cited violations (NCVs)
- () Violation(s), Form 591 issued
- (X) Violation(s), regional letter issued (Note: Security-related violations are documented in separate records that are not available to the public.)
- () Follow-up on previous violations

Inspector(s) Robert Gattone Jr., Senior Health Physicist


Signature

Date 4/20/15

Approved Aaron T. McCraw, Chief, MIB


Signature

Date: 4/23/15

PART I - LICENSE, INSPECTION, INCIDENT/EVENT AND ENFORCEMENT HISTORY

1. AMENDMENTS AND PROGRAM CHANGES SINCE LAST INSPECTION:

<u>AMENDMENT #</u>	<u>DATE</u>	<u>SUBJECT</u>
83	07/24/2013	Excluded HDR use at 1235 East Cherokee St., Springfield, MO; added an authorized user for 35.400 and HDR
84	01/14/2014	Added cardiovascular clinical procedures at 2115 S. Fremont, Springfield, MO and removed an Authorized Medical Physicist
85	05/05/2014	Added use for HDR device for calibrations, spot checks, and training; and added an Authorized Medical Physicist

2. INSPECTION AND ENFORCEMENT HISTORY:

The last two inspections of this licensee were on 04/08/2013 and 11/30/2009. No violations of NRC requirements were identified as a result of those inspections.

3. INCIDENT/EVENT HISTORY:

There were no open items or events since the last routine inspection.

PART II - INSPECTION DOCUMENTATION

1. ORGANIZATION AND SCOPE OF PROGRAM:

Mercy Hospital Springfield is authorized under NRC Materials License No. 24-00866-02 to use licensed material for 10 CFR 35.100 through 35.400, in-vitro studies, HDR remote afterloading, survey instrument calibrations, and use of an IBL 437C irradiator for irradiation of blood, blood products, cells, and tissues. The licensee had six locations of use.

HDR treatments included vaginal cylinders. Manual brachytherapy included use of cesium-137 sources for tandem and ovoid gynecological treatments and I-125 sources for prostate treatments. The licensee used samarium-153 to treat bone pain.

The licensee had not received yttrium-90 yet because its license amendment request to do so had not been approved.

2. SCOPE OF INSPECTION:

Inspection Procedure(s) Used: 87132 and 87131

Focus Areas Evaluated:

For 87132: 02.01, 02.02, and 02.04 through 02.07

For 87131: 02.04, 02.06, and 02.07

3. INDEPENDENT AND CONFIRMATORY MEASUREMENTS:

The inspector conducted an independent ambient exposure rate survey at selected surfaces of the licensee's irradiator using an NRC owned, calibrated survey instrument that resulted in 0.05 milliroentgens per hour (mR/hr).

The inspector conducted an independent ambient exposure rate survey at selected surfaces of the licensee's HDR unit using an NRC owned, calibrated survey instrument that resulted in a maximum of 0.3 mR/hr.

4. VIOLATIONS, NCVs, AND OTHER SAFETY ISSUES:

No safety-related violations or issues were identified.

5. PERSONNEL CONTACTED:

- # Michael Barnes, Director of Nuclear Medicine
- # Carrie Barton, Regulatory Director – Quality and Accreditation
- Duane Doran, Director of Safety and Security
- # Linda Earnest, Vice President – Operations
- # Dennis Frieda, Chief Physicist
- # Jon Hall, Manager – Security Systems
- Jerry Jaboin, M.D., Ph.D., Authorized User
- *# Nick Lannutti, Radiation Safety Officer
- Amy Loehr, Manager of Lab Operations
- Phil Menkel, Director of Security
- # Curtis Myers, Security Training Manager
- Bill Peterson, Vice President of Human Resources
- Ron Preston, Senior Communication Specialist
- # Julie Sell, Practice Manager – Radiation Oncology
- # Robert Sonnemaker, M.D., Medical Director - Nuclear Medicine
- Laura Starks, Director of Recruitment and Reviewing Official
- Anne Marquis Tillman, Medical Technician – Blood Bank
- # Jesse Whitlock, Associate Physicist
- # Gail Wilson, Administrative Director, Lab Services

- # Attended preliminary exit meeting on April 3, 2015
- * Participated in final, telephonic exit meeting on April 16, 2015

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