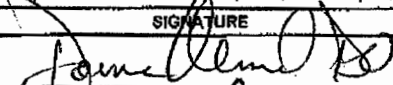

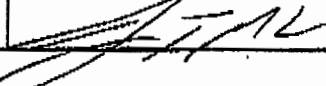


NRC FORM 591M PART 1 (07-2012) 10 CFR 2.201		U.S. NUCLEAR REGULATORY COMMISSION	
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION			
1. LICENSEE/LOCATION INSPECTED: Black River Medical Center 221 Physicians Park Drive Poplar Bluff, MO 63901 REPORT NUMBER(S) 2015001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Rd, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-35968	4. LICENSE NUMBER(S) 24-32383-01	5. DATE(S) OF INSPECTION August 4, 2015 with in-office review thru August 10, 2015	
<p>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:</p> <p><input type="checkbox"/> 1. Based on the inspection findings, no violations were identified.</p> <p><input type="checkbox"/> 2. Previous violation(s) closed.</p> <p><input type="checkbox"/> 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, to exercise discretion, were satisfied.</p> <p style="margin-left: 40px;">Non-cited violation(s) were discussed involving the following requirement(s):</p> <p style="margin-left: 40px;">_____</p>			
<p><input checked="" type="checkbox"/> 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.</p> <p style="margin-left: 40px;">(Violations and Corrective Actions)</p> <p style="margin-left: 40px;">Condition 15.A of Amendment 06 to NRC License 24-32383-01 states that the licensee shall conduct its program in accordance with the application date April 12, 2012. Furthermore, the condition states that the NRC's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.</p> <p style="margin-left: 40px;">Item 10 of the application dated April 12, 2012 states that the licensee has developed and will implement and maintain procedures for safe use of unsealed byproduct material that meet the requirements of Title 10 of the Code of Federal Regulations (CFR) 20.1101 and 10 CFR 20.1301.</p> <p style="margin-left: 40px;">(continued on part 2)</p>			
Statement of Corrective Actions			
<p>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.</p>			
TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE	DONNA L. Almond, DO		8-11-15
NRC INSPECTOR	Zahid Sulaiman		8/11/15
BRANCH CHIEF	Aaron T. McCraw		8/11/15

NRC FORM 591M PART 2 (07-2012) 10 CFR 2.201		U.S. NUCLEAR REGULATORY COMMISSION	
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION			
1. LICENSEE/LOCATION INSPECTED: Black River Medical Center 221 Physicians Park Drive Poplar Bluff, MO 63901 REPORT NUMBER(S) 2015001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Rd, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-35968	4. LICENSE NUMBER(S) 24-32383-01	5. DATE(S) OF INSPECTION August 4, 2015 with in-office review thru August 10, 2015	
<p>(Continued)</p> <p>Item 10.4 of the licensee's procedure entitled "Procedures for the Safe Use of Unsealed Licensed Material" states that wear a finger exposure monitor thermoluminescent dosimeter (TLD), if required, during the elution of generators; during the preparation, assay and injection of radiopharmaceuticals; when performing camera quality control; when holding patients during procedures; and when handling radioactive material.</p> <p>Contrary to the above, as of August 4, 2015, Black River Medical Center failed to conduct its program in accordance with the procedures established in its license application. Specifically, a nuclear medicine technologist occasionally did not wear a finger exposure monitor TLD during the preparation, assay, and administration of radioactive materials.</p> <p>The root cause of the violation was that the technologist did not follow the licensee's written procedure.</p> <p>As corrective actions the licensee will retrain nuclear medicine technologists to wear finger monitoring device at all times when handling radioactive materials. In addition, the licensee will closely monitor the dosimetry result reports, review quarterly audit reports, and will periodically retrain staff on the safe use of unsealed licensed material.</p>			

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Black River Medical Center
221 Physicians Park Drive
Poplar Bluff, MO 63901

REPORT NUMBER(S) 2015001

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Rd, Suite 210
Lisle, IL 60532

3. DOCKET NUMBER(S)

030-35968

4. LICENSE NUMBER(S)

24-32383-01

5. DATE(S) OF INSPECTION

August 4, 2015 with in-office
review thru August 10, 2015

6. INSPECTION PROCEDURES USED

87131

7. INSPECTION FOCUS AREAS

03.01-03.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

02120

2. PRIORITY

3

3. LICENSEE CONTACT

Donna L. Almond, D.O, RSO

4. TELEPHONE NUMBER

(573) 727-9080

☒ Main Office Inspection

Next Inspection Date: 08/03/2018

☐ Field Office Inspection

☐ Temporary Job Site Inspection Kelly Brown, Chief NMT

PROGRAM SCOPE

This was a routine inspection. This licensee was a small hospital, with 3 beds, authorized under NRC license to use byproduct materials for medical uses permitted by 10 CFR 35.100, 35.200, and 35.300. The nuclear medicine department's work hours are from 6:30 AM - 3:30 PM, Monday through Friday. The nuclear medicine department was staffed with one full-time nuclear medicine technologist (NMT) who performed approximately 7 diagnostic nuclear medicine procedures daily. Doses were primarily technetium-99m for cardiac, bone scan, lung, renal, thyroid and other studies. The licensee received unit doses from a licensed radiopharmacy. In addition, the licensee performed administration of one I-131 thyroid study per quarter.

Performance Observations:

The inspector: (1) observed the NMT administer a Tc-99m unit dose to a patient, (2) observed the NMT conduct a physical inventory of sealed sources, and all of the selected sources were accounted for, (3) had the NMT demonstrate the dose calibrator constancy check, the radioactive material package receiving and check-in procedures, and how the package was surveyed and wipe test was counted, (4) had the NMT demonstrate the end of the day daily and weekly area survey, (5) had the NMT demonstrate proper handling of radioactive waste for decay-in-storage, (6) reviewed four I-131 procedures and written directives records showing that written directives were signed and dated by the authorized user (7) reviewed annual radiation safety program audits and radiation safety committee meeting minutes, (8) reviewed records for survey instrument calibration, dose calibrator linearity, accuracy and geometry test, (9) reviewed dosimetry records for 2012, 2013, 2014, & 2015, indicating the maximum annual dose to be 395 mrem whole body, and 387 mrem extremity, and (10) performed independent radiation measurements of the hot lab, imaging, and stress room areas which were consistent with the licensee's survey result.

One violation of NRC requirements was identified during the inspection, as described on Parts 1 & 2 of this form.

Sulaiman, Zahid

From: Susan Merick <smerick@blackrivermedical.com>
Sent: Tuesday, August 18, 2015 9:36 AM
To: Sulaiman, Zahid
Cc: Donna Almond
Subject: [External_Sender] NRC License # 24-32383-01
Attachments: 20150818071324030.pdf

Good morning,

Attached is the signed NRC Form 591M Parts 1 & 2 Safety Inspection Report and Compliance Inspection for Black River Medical Center license # 24-32383-01. Please let me know if you need additional information.

Thanks,

--

Susan Merick, CRA, CAAMA
Director of Operations
Black River Medical Center
217 Physicians Park Drive
Poplar Bluff, MO 63901

Work: (573) 609-2483
Cell: (573) 778-6962
Fax: (573) 712-2522

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