

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Moberly Hospital Company, LLC  
1515 Union Street  
Moberly, Missouri 65270

REPORT NUMBER(S) 2019001

## 2. NRC/REGIONAL OFFICE

Region III  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

## 3. DOCKET NUMBER(S)

030-14054

## 4. LICENSE NUMBER(S)

24-18695-01

## 5. DATE(S) OF INSPECTION

May 23, 2019

## 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, 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	Dennis P. O'Dowd	<i>Dennis P. O'Dowd</i>	05/23/19
BRANCH CHIEF	Aaron T. McCraw	<i>Aaron T. McCraw</i>	6/14/19

**Docket File Information**

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

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3. DOCKET NUMBER(S)  030-14054		4. LICENSE NUMBER(S)  24-18695-01	5. DATE(S) OF INSPECTION  May 23, 2019
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  John Stuart Harkness, CNMT - RSO	4. TELEPHONE NUMBER  (660) 269-3164
<input checked="" type="checkbox"/> Main Office Inspection      Next Inspection Date: 05/23/2022			
<input type="checkbox"/> Field Office Inspection _____			
<input type="checkbox"/> Temporary Job Site Inspection _____			

**PROGRAM SCOPE**

This was an unannounced, routine inspection of a 100-bed hospital authorized by its NRC license to use unsealed byproduct material authorized by 10 CFR 35.100, 35.200 and 35.300, and prepackaged kits authorized under 31.11, at its facility in Moberly, Missouri. The licensee received unit doses from a local radiopharmacy for a wide variety of diagnostic procedures and also received bulk Tc-99m for emergency studies. The hospital employed one full-time technologist, (who also served as the licensee's Radiation Safety Officer (RSO)) who performed approximately 50 diagnostic procedures per month, Monday through Friday. Studies included cardiac, bone, HIDA, lung (using Tc-99m; no Xe-133 is used), and whole body scans (using I-123). The licensee has not performed any uses requiring a written directive since 2012. All radioactive waste was held for decay or returned to the nuclear pharmacy. The hospital retains the services of a medical physics consultant to perform instrument calibrations, sealed source leak tests, quarterly audits of the radiation safety program, and annual ALARA audits.

The inspector toured the licensee's nuclear medicine facility. All radioactive material was properly secured from unauthorized access and not readily accessible to members of the general public. No administrations of licensed material were performed during this inspection. The licensee's staff discussed/demonstrated dose calibrator daily constancy checks, package receipt, daily and weekly contamination surveys and wipes, with no issues identified. Interviews of staff indicated an adequate knowledge of material handling techniques, radiation safety, and emergency response procedures. . An outside consultant performed quarterly program audits that were adequate to oversee the program. The licensee possessed a radiation survey meter that was calibrated, operational, and performed well in side-by-side comparison with an NRC instrument. Independent measurements did not indicate readings in excess of Title 10 of the Code of Federal Regulations (10 CFR) Part 20 limits in restricted or unrestricted areas. The inspector reviewed a selection of written records, including quarterly program audits, package receipt, waste disposal records, annual refresher training, DOT Hazmat training, dose calibrator QA, surveys, sealed source leak tests, and dosimetry records. The inspector noted that the RSO/NMT was wearing appropriate dosimetry (whole body and extremity), and records indicated no exposures of regulatory concern.

No violations of NRC requirements were identified during this inspection.