

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Washington County Memorial Hospital

300 Healthway  
Potosi, MO 63664

REPORT NUMBER(S) 2021001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-35711

4. LICENSE NUMBER(S)

24-32317-01

5. DATE(S) OF INSPECTION

September 8, 2021

## 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	Zahid Sulaiman, Health Physicist	Zahid M. Sulaiman <small>Digitally signed by Zahid M. Sulaiman Date: 2021.09.10 10:05:08 -05'00'</small>	
BRANCH CHIEF	Michael Kunowski, Chief, MIB	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2021.09.11 06:09:25 -05'00'</small>	



## Materials Inspection Record

1. Licensee Name: Washington County Memorial Hospital		2. Docket Number(s): 030-35711		3. License Number(s) 24-32317-01	
4. Report Number(s): 2021001			5. Date(s) of Inspection: September 8, 2021		
6. Inspector(s): Zahid Sulaiman, Health Physicist			7. Program Code(s): 2120		8. Priority: 3
			9. Inspection Guidance Used: 87130, 87131		
10. Licensee Contact Name(s): Randy J Dunn, Director of Imaging		11. Licensee E-mail Address: RDunn@wcmhosp.org		12. Licensee Telephone Number(s): (573) 438-5451 ext. 207 Cell (573) 330-9062	
13. Inspection Type:		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input type="checkbox"/> Initial <input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		<input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input checked="" type="checkbox"/> Remote		09/08/2024 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

## 16. Scope and Observations:

This was an announced remote routine inspection of a community hospital authorized to use byproduct materials for medical purposes permitted by 10 CFR 35.100, 35.200 and 35.300. The nuclear medicine department was staffed with two part-time nuclear medicine technologists (NMTs), who performed approximately 15 diagnostic doses monthly. The diagnostic administration included a variety of imaging procedures using technetium-99m (Tc-99m), mostly cardiac stress test, HIDA, bone scan, lung scan and occasionally gastric emptying. The nuclear medicine department performs the diagnostic studies on Wednesday only. The licensee had not performed any diagnostic study or therapy procedure permitted by 10 CFR 35.300 in the last 10 years. The licensee will submit a request to remove the 10 CFR 35.300 authorization and a renewal application for the license which expires on October 31, 2021.

## PERFORMANCE OBSERVATIONS

This inspection was conducted virtually through the Microsoft Teams meeting functionality, and consisted of an interview with select licensee personnel, a review of select records, and an observation of security of the materials. Through a Microsoft Teams meeting, the inspector observed the NMT conduct a physical inventory of sealed sources, and all sources were accounted for. The inspector had the NMT demonstrate and discuss the dose calibrator constancy check, package receipt procedures, the end of the day daily and weekly area surveys, proper handling of radioactive waste and disposal procedures, with no issue noted. Through these demonstrations and other discussion, the inspector found that the licensee personnel was knowledgeable of radiation protection principles, licensee procedures, and regulatory requirements.

The inspector reviewed the following records: quarterly program audits, package receipts, waste disposal records, instrument calibration, sealed source leak tests and inventory, daily area surveys, and weekly wipe tests. The inspector reviewed dosimetry records for 2019 through June 30, 2021, indicating the maximum annual dose to be 191 mrem - DDE, and 81 mrem - SDE.

The inspector closed the previous violation where licensee failed to monitor the external surfaces of incoming radioactive labeled packages for radioactive contamination. The inspector reviewed and confirmed the licensee's corrective action in which the licensee wipes the external surface of all the incoming packages, takes the reading using the well counter for radioactive contamination, and documents the results.

No violations of NRC requirements were identified as a result of this inspection.