

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Knox Hospital Company, LLC d/b/a Northwest Health - Starke 102 E. Culver Rd Knox, IN 46534 REPORT NUMBER(S) 2022001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S) 030-35485	4. LICENSE NUMBER(S) 13-15399-02	5. DATE(S) OF INSPECTION June 3, 2022
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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: 2022.06.13 10:25:33 -05'00'</small>	
BRANCH CHIEF	Michael Kunowski, Chief, MIB	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2022.06.16 12:32:17 -05'00'</small>	



Materials Inspection Record

1. Licensee Name: Knox Hospital Company, LLC		2. Docket Number(s): 030-35485		3. License Number(s) 13-15399-02	
4. Report Number(s): 2022001			5. Date(s) of Inspection: June 3, 2022		
6. Inspector(s): Zahid Sulaiman, Health Physicist		7. Program Code(s): 02121	8. Priority: 5	9. Inspection Guidance Used: 87130	
10. Licensee Contact Name(s): Sharon Updike, RSO Mathew Shebel, Dir of Imaging		11. Licensee E-mail Address: supdike@mpcphysics.com m.shebel@nwhealthin.com		12. Licensee Telephone Number(s): Work: (734)-662-3197 Cell: (717)-795-8786 Work: (219)-344-6415	
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 type="checkbox"/> Remote		06/03/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was a routine, announced inspection of a community hospital authorized to use byproduct material permitted under 10 CFR 35.100 and 35.200. The licensee's nuclear medicine department was staffed with a part-time nuclear medicine technologist (NMT) who administered approximately 4 diagnostic doses weekly for cardiac stress test only. The nuclear medicine department work hours are Thursday only from 7:00 AM to 3:00 PM. The licensee had contracted the RSO duties with a consultant medical physicist who also performed the periodic program reviews and audits.

PERFORMANCE OBSERVATIONS

This inspection consisted of a tour of the nuclear medicine department, interviews with select licensee personnel, a review of select records, an observation of security of the materials, and independent measurements. The inspector had the NMT conduct a physical inventory of sealed sources, and all sources were accounted for. The inspector had the NMT demonstrate the package receipt procedures, the end of the day daily and weekly area surveys and wipe tests, proper handling of radioactive waste and disposal procedures, with no issue noted. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings. Through these observations, demonstrations and other discussions, 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, DOT hazmat training, constancy, linearity, and accuracy tests of the dose calibrator, sealed source leak tests and inventory, daily area surveys, and weekly wipe tests. The inspector reviewed the dosimetry records for 2020 through Mar 31, 2022, indicating the maximum annual dose to be 80 mrem - DDE, and 33 mrem - SDE.

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