

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Witham Memorial Hospital 2605 North Lebanon Street Lebanon, IN 46052 REPORT NUMBER(S) 2018001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-20926	4. LICENSE NUMBER(S) 13-23331-01	5. DATE(S) OF INSPECTION August 30, 2018	

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	Jason Draper / Ryan Craffey	<i>Jason O. Draper / Ryan Craffey</i>	09/11/2018
BRANCH CHIEF	Geoffrey Warren, Acting Chief	<i>Geoffrey Warren</i>	9/11/18

Docket File Information

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6. INSPECTION PROCEDURES USED 87131	7. INSPECTION FOCUS AREAS All		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02120	2. PRIORITY 3	3. LICENSEE CONTACT Bryce Caudle - Consultant	4. TELEPHONE NUMBER (317) 443-9035
<input checked="" type="checkbox"/> Main Office Inspection Next Inspection Date: 08/30/2021			
<input type="checkbox"/> Field Office Inspection _____			
<input type="checkbox"/> Temporary Job Site Inspection _____			

PROGRAM SCOPE

This was an unannounced routine inspection of a community hospital in Lebanon, Indiana authorized to use byproduct material for diagnostic and therapeutic medical purposes. At the time of the inspection, three nuclear medicine technologists performed around a dozen diagnostic administrations each weekday, including F-18 FDG for PET scans, using unit doses from local radiopharmacies. Since receiving authorization to administer therapeutic radiopharmaceuticals in May 2016, the licensee has performed seven administrations of I-131 in capsule form. The licensee retained the services of a medical physics consultant to perform instrument calibrations and to review the content and implementation of the program quarterly.

PERFORMANCE OBSERVATIONS

The inspectors toured the facility in Lebanon to evaluate the licensee's measures for materials security, hazard communication, and exposure control. The inspectors conducted independent surveys throughout the facility, and found no evidence of residual contamination nor any exposures to members of the public above background in unrestricted areas. The inspectors observed the preparation and administration of unit doses for three cardiac stress tests and one PET scan, as well as the implementation of procedures for the receipt of packages containing licensed material. The inspectors interviewed the licensee's technologists to discuss a variety of topics regarding the safe use of licensed material. Through these observations and interviews, the inspectors found the licensee's staff to be knowledgeable of radiation protection principles, licensee procedures, and regulatory requirements.

The inspectors reviewed the licensee's established procedures for therapeutic administrations of radiopharmaceuticals, as well as written directives and release calculations for all treatments performed since regaining the authorization to do so. The inspectors also reviewed a selection of quarterly program audits, a variety of routine survey records, and personnel dosimetry reports, which indicated that exposures to staff were well below regulatory limits for occupational exposure.

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