

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: St. Alexius Hospital 3933 S. Broadway St. Louis, MO 63118 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) 030-02303	4. LICENSE NUMBER(S) 24-01381-01	5. DATE(S) OF INSPECTION <i>April 26, 2018</i>	

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	Kevin G. Null	<i>Kevin G. Null</i>	5/7/18
BRANCH CHIEF	<i>Walter T. McCann</i>	<i>[Signature]</i>	5/9/18

Docket File Information

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6. INSPECTION PROCEDURES USED 87130	7. INSPECTION FOCUS AREAS 03-01 - 03.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 2121	2. PRIORITY 5	3. LICENSEE CONTACT Brian Schaab, Director, Radiology	4. TELEPHONE NUMBER (314) 865-7000
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Main Office Inspection Next Inspection Date: 04/26/2023

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine, unannounced inspection of a small hospital that performed 2-3 diagnostic procedures per day as permitted by 10 CFR 35.100 and 35.200. Diagnostic imaging procedures included cardiac, bone, liver, and lung studies. The licensee used only unit doses, which were delivered each morning by a local radiopharmacy. Radiopharmacy personnel were escorted to the nuclear medicine area by hospital security. The nuclear medicine department included an imaging room with two gamma cameras and a hot lab. The imaging room and hot lab were independently secured with a keyed lock. The licensee employed two full-time certified nuclear medicine technologists (CNMTs), and contracted with a health physics consultant who visited the nuclear medicine department on a quarterly basis.

PERFORMANCE OBSERVATIONS

The inspector interviewed the two CNMTs and the Director of Radiology, toured the nuclear medicine department, and reviewed a selection of records pertaining to the use and storage of license material. The inspector observed a CNMT demonstrate daily dose calibrator checks, surveys of incoming shipments containing unit doses, and surveys of the imaging room and hot lab areas. The inspector reviewed records of leak tests, physical inventories, daily and weekly area surveys, dose calibrator constancy checks, and dosimetry reports. The maximum whole body and extremity exposures for CY 2016 were 25 mrem and 270 mrem respectively, and for CY 2017, the maximum whole body and extremity exposures were 94 mrem and 726 mrem respectively.

The inspector performed independent surveys of the hot lab and imaging areas with a RadEyeG gamma survey meter calibrated on 9/12/17. Radiation levels ranged from 0.05 mrem/hr (background) in the imaging room, to 0.40 mrem/hr in the hot lab.

No violations of NRC requirements were identified during this inspection.