

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: North Kansas City Hospital 2800 Clay Edwards Dr. North Kansas City, MO 64116 REPORT NUMBER(S) 2019-001	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) 030-13966	4. LICENSE NUMBER(S) 24-18628-01	5. DATE(S) OF INSPECTION May 21-22, 2019
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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	Kevin G. Null	<i>[Signature]</i>	5/22/19
BRANCH CHIEF	<i>[Signature]</i> D. T. McCann	<i>[Signature]</i>	6/4/19

Docket File Information

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

1. PROGRAM CODE(S) 2230	2. PRIORITY 2	3. LICENSEE CONTACT Karen Sweeney	4. TELEPHONE NUMBER (816) 691-5201
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- Main Office Inspection Next Inspection Date: 05/21/2021
- Field Office Inspection 2790 Clay Edwards & 9501 N. Oak Traffic Way
- Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine, unannounced inspection of a large medical facility that was authorized to use byproduct material described in 10 CFR 35.100, 200, 300, iridium-192 permitted by 35.600, and in-vitro procedures described in 10 CFR 31.11. The licensee was authorized to conduct diagnostic studies and radiopharmaceutical therapy procedures at the 2800 and 2790 Clay Edwards and 9501 N. Oak Traffic Way addresses, and high dose rate remote (HDR) afterloader procedures using an iridium-192 sealed source at the 2750 Clay Edwards address. No HDR procedures have been conducted since the last inspection. The licensee submitted a request to the NRC Region III office in February 2019, to remove authorization for iridium-192. The licensee also discontinued licensed activities at 9501 N. Oak Traffic Way and in April 2019, submitted an amendment request to remove the site as a location of use.

The licensee employed four full-time certified nuclear medicine technologists (CNMTs) at both 2800 and 2790 Clay Edwards locations. At the 2800 Clay Edwards address, the licensee conducted 10-30 diagnostic studies each week and two iodine -131 therapy procedures in capsule form each month. At the 2790 Clay Edwards address, the licensee conducted 8-13 PET and 3-6 cardiac studies each week, and used a rubidium generator for rubidium-82 cardiac procedures. Unit doses were supplied by a local radiopharmacy for other diagnostic imaging procedures.

Performance Observations

The inspector interviewed the radiation safety officer, radiology director, imaging supervisor, and several CNMTs, and toured the nuclear medicine departments at each location of use. The inspector observed CNMTs wearing personal protective equipment and dosimetry when handling licensed material. CNMTs at each location demonstrated radioactive package receipt procedures, daily and weekly department surveys, and daily dose calibrator QA/QC. Another CNMT conducted an inventory of sealed sources and described/demonstrated department security. The inspector reviewed dosimetry records for calendar years 2017 and 2018, a random selection of written directives issued since the last inspection, and survey meter calibration records,

No violations of NRC requirements were identified.