

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Community Health Network, Inc.
1500 North Ritter Ave.
Indianapolis, IN 46219-3095

REPORT NUMBER(S) 2020-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-01625

4. LICENSE NUMBER(S)

13-06009-01

5. DATE(S) OF INSPECTION

1/8/2020

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:

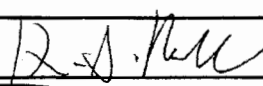
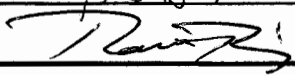
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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		1/8/2020
BRANCH CHIEF	Robert Ruiz		1/29/20

Docket File Information

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3. DOCKET NUMBER(S) 030-01625	4. LICENSE NUMBER(S) 13-06009-01	5. DATE(S) OF INSPECTION January 8, 2020	
6. INSPECTION PROCEDURES USED 87131 and 87132	7. INSPECTION FOCUS AREAS All		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 2230	2. PRIORITY 2	3. LICENSEE CONTACT Erin Bell, RSO	4. TELEPHONE NUMBER (317) 355-5528
<input checked="" type="checkbox"/> Main Office Inspection Next Inspection Date: 01/08/2022			
<input checked="" type="checkbox"/> Field Office Inspection 1402 and 1440 E. County Line Rd.			
<input type="checkbox"/> Temporary Job Site Inspection			

PROGRAM SCOPE

This was a routine, unannounced inspection of a large medical health system that was authorized to use material described in 10 CFR 35.100, 200, 300, 400, 2 iridium-192 high dose rate afterloaders (HDR) described in 35.600, and yttrium-90 described in 35.1000. Licensed material was authorized to be used at 5 locations in the Indianapolis area. The licensee had not performed any manual brachytherapy procedures since the last inspection. The inspector conducted inspection activities at the 3 locations listed above. At 1500 North Ritter Ave., the licensee performed 3-6 diagnostic procedures each day, 1-2 iodine-131 (I-131) therapy treatments per quarter, and an average of 15 HDR procedures each month which were primarily prostate and gynecological treatments. At 1402 E. County Line Road, the licensee performed 4-5 diagnostic procedures each day, and 2-3 I-131 treatments per quarter. At 1440 E. County Line Road, the licensee conducted 5-6 PET imaging studies each day, and about 20 HDR treatments per quarter. Two full-time and 2 part time certified nuclear medicine technologist (CNMT's) performed diagnostic imaging procedures at the County Line Road locations, and 1 full-time and 1 part time CNMT conducted imaging procedure at the North Ritter Ave. address. Several authorized medical physicists (MP) were located at the 1500 North Ritter Ave. and 1440 County Line Road addresses for HDR treatments. The nuclear medicine departments had an adequate number of imaging rooms, cameras, hot labs, and radiation protection equipment to support the diagnostic imaging programs.

Performance Observations

The inspector toured the 3 locations of use and interviewed the RSO, 3 MP's, and a random selection of CNMT's. The inspector observed a prostate HDR treatment performed at the 1500 North Ritter Ave. location. This included observing an MP develop a treatment plan and a peer review of the plan by another MP, and noting approval of the plan and issuance of the WD by an authorized user. The inspector also observed another MP conduct HDR and treatment room equipment and safety checks which included, but was not limited to the audio/video systems, treatment room door interlock, room monitor, and dwell position and timer verifications. The inspector also noted that the MP utilized appropriate portable survey instrumentation for post-treatment surveys of the patient and HDR unit.

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2. PRIORITY

2

3. LICENSEE CONTACT

Erin Bell, RSO

4. TELEPHONE NUMBER

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PROGRAM SCOPE

The inspector reviewed a random selection of WD's issued in 2018 and 2019 for patients who received HDR treatments at the 1500 North Ritter Ave. address. The inspector toured the HDR treatment room at the 1440 E. County Line Road address and interviewed an MP. The MP demonstrated security of the room and the HDR unit, and described and/or demonstrated daily QA/QC of the safety features of the room. The inspector reviewed a random selection of WD's issued in 2018 and 2019 for patients who had received HDR treatments at the 1440 E. County Line Road address, and conducted independent surveys of the HDR unit.

The inspector observed CNMT's perform daily QA/QC of dose calibrator units, package surveys, and daily and weekly nuclear medicine department surveys. The inspector also observed CNMT's prepare and measure unit doses for injection and noted that the CNMT's wore protective clothing, used syringe shields to keep exposure ALARA, and wore whole body and extremity dosimetry. The inspector reviewed a random selection of records that included, but were not limited to, dose calibrator constancy checks, area surveys, radiopharmaceutical therapy (radium-223 and iodine-131) written directives, and dosimetry reports for 2018 and 2019. The inspector also observed a CNMT at the 1500 North Ritter address perform a physical inventory of sealed sources. Select licensee staff also demonstrated security of hot lab rooms and licensed material storage areas.

The inspector conducted independent surveys at the 3 locations of use that included both HDR units and treatment rooms, hot labs and imaging rooms, and licensed material storage areas. The inspector also performed surveys of unrestricted areas that were directly adjacent to restricted areas where license material was used and/or stored. Radiation levels measured by the inspector were essentially background, ranging from 0.02 mrem/hour - 0.07 mrem/hour.

No violations of NRC requirements were identified.