NRC FORM 591M PART 1
(07-2012)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE
Henry Ford Macomb Hospital 15855 Nineteen Mile Rd. Clinton Township, MI 48038 REPORT NUMBER(S) 2018001	Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION
030-02106	21-11850-01	March 7, 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 violations(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	Deborah A. Piskura, Senior Health Physicist	Deborah A Piskura	3/7/18
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB		3/14/18

NRC FORM 591M PART 3
(07-2012)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information

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6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
87130, 87131, 87132	03.01 - 03.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
02230	2	Alan Jackson, M.S., CHP, RSO	(313) 916-2739

☑ Main Office Inspection Next Inspection Date: March 7, 2020

☐ Field Office Inspection _____

☐ Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine inspection of a community hospital (400 beds) authorized to use byproduct material in 10 CFR 35.100, 35.200, 35.300, 35.400 and Ir-192 in an HDR unit. The licensee staffed its nuclear medicine department with 3 FT and 2 PT technologists. The department administered approximately 400-500 patient studies per month, which included a full spectrum of studies. The licensee received its material in unit dose form and as bulk from a licensed radiopharmacy. The licensee administered 20-25 I-131 cases annually; the licensee obtained its I-131 in capsule form. The licensee's RSO performed quarterly audits of the radiation safety program. The RSO presented his audit findings during the RSC meetings. The licensee filed an amendment request (pending) to remove Section 35.400 material.

The radiation oncology department was staffed with 4 AMPs, 4 authorized physician users, 2 nurses and 1 therapist. The licensee administered approximately 100 patient treatments annually utilizing its HDR. These treatments included a variety of cancer cases. All HDR patient treatments were administered by the attending radiation oncologist and the AMP. Service, maintenance, and source exchanges were performed by the device manufacturer.

This inspection consisted of interviews with selected licensee personnel; a review of selected records; tours of the nuclear medicine and radiation oncology departments; and independent measurements. The inspector observed the licensee personnel prepare, assay and administer several unit doses for various imaging procedures. The inspector also observed the licensee staff administer one patient treatment utilizing its HDR unit. The inspector reviewed the patient's written directives and the treatment plan and interviewed the attending physician and AMP. The inspection included observations of source inventories, dose calibrator QA checks, security of licensed material, and use of personnel monitoring, and patient surveys at the conclusion of the HDR treatment.

No violations of NRC requirements were identified during this inspection.