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
Ascension Providence Hospital Southfield Campus 16001 W. Nine Mile Rd. Southfield, MI 48075 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
030-02022	21-02802-03	December 19, 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	Luis Nieves Folch		1/3/19
BRANCH CHIEF	Aaron T. McCraw		1/3/19

NRC FORM 591M PART 1 (07-2012)

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

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Docket File Information

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6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
87130, 87131, 87132	03.01-03.08

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
02240	2	Vikram Kinni, RSO	(248) 465-4100

☑ Main Office Inspection — Next Inspection Date: December 19, 2020

☑ Field Office Inspection — 47601 Grand River Ave, Novi, MI and

☐ Temporary Job Site Inspection — 22250 Providence Dr., Southfield, MI

PROGRAM SCOPE

This was an unannounced, routine inspection of a community hospital authorized to use byproduct materials for diagnostic and therapeutic medical procedures under 10 CFR 35.100, 35.200, 35.300, 35.400, and 35.1000. The licensee was authorized to perform principle activities at its main hospital campus in Southfield, as well as a second hospital campus in Novi. The licensee retained a consultant who audited the radiation safety program on a quarterly basis.

At the main Southfield location, the licensee operated a nuclear medicine department that performed a full spectrum of studies, in addition to a cardiovascular department that solely performed cardiac stress tests. Collectively, the licensee staffed three full-time nuclear medicine technologists (NMT) and performed approximately 10 diagnostic studies per day, approximately three I-131 therapies per month, and six Xofigo administrations in the last year at this location. In the radiation oncology department, the licensee performed approximately 25 Y-90 microsphere treatments annually and approximately 6 I-125 seed implants annually.

At the Novi location, the licensee operated both an in-patient and out-patient nuclear medicine department staffed with two NMTs. The licensee performed 34 diagnostic studies per week and approximately 3 therapeutic administrations of 1-131 per month. The licensee also maintained a mobile PET service that performed 10-12 patient studies using F -18 on Fridays only.

At the Providence Dr. location, the licensee operated a cardiac clinic staffed with one NMT who performed approximately eight diagnostic studies per day.

(Continued on Part 2)

NRC FORM 591M PART 2
(07-2012)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

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(Continued)

PERFORMANCE OBSERVATIONS

The inspector observed nuclear medicine staff demonstrate package receipt and surveying procedures, daily dose calibrator constancy checks, daily surveys, and waste disposal procedures at all locations inspected. In addition, the inspector observed several administrations of doses for a variety of diagnostic procedures. The inspector noted that the NMTs wore the appropriate personal protective equipment, assayed the doses, and verified patient identity prior to administering the doses. The nuclear medicine staff demonstrated adequate knowledge of radiation protection principles and emergency procedures in the event of a spill through interviews with the inspector.

The inspector reviewed quarterly audit reports, spill reports, and documentation of package receipt, area surveys, instrument quality control, waste disposal, written directives (I-131, Xofigo, Y-90, and brachytherapy), and employee training. The inspector also reviewed monthly dosimetry reports, which indicated annual whole-body and extremity doses below regulatory limits.

The inspector also reviewed a medical event that occurred on March 21, 2018 (NMED Item No. 180192) and determined that the NRC's followup to this event is now closed. The medical event was administrative in nature in that an unintended route of administration was listed on the written directive. The dosage was delivered through the intended route of administration.

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