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
McLaren Northern Michigan 416 Connable Ave. Petoskey, Mi 49770 REPORT NUMBER(S) 2019001	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
030-11715	21-16732-01	December 3-12, 2019

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		12/12/19
BRANCH CHIEF	Robert Ruiz		1/6/20

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
87131, 87132	All

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
02230	2	Daniel Dryden - RSO	(517) 882-0383

☑ Main Office Inspection Next Inspection Date: December 12, 2021

☐ Field Office Inspection _____

☐ Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced, routine inspection of a regional hospital authorized to use byproduct material under 10 CFR 35.100, 200, 300, 400, and 600 at its campus in Petosky, Michigan. The licensee was also authorized to perform diagnostic and therapeutic administrations of radiopharmaceuticals at its facility in Cheboygan, Michigan, but they had not used that facility in years and are planning on removing it from their license. At the time of this inspection, in the nuclear medicine department, the licensee performed approximately 10 diagnostic studies per day and approximately two therapeutic administrations of I-131 per month. In the radiation oncology department, the licensee performed their last seed implant in 2018, and treated approximately one patient per week using the HDR unit.

PERFORMANCE OBSERVATIONS

The inspector toured the facilities to evaluate the licensee's measures for material security, hazard communication, and exposure control. The inspector observed the Authorized Medical Physicist (AMP) perform spot checks on the HDR, and interviewed the AMP with regard to topics including: the receipt of the HDR source, unit calibration and emergency procedures. The inspector observed one cardiac stress study and conducted independent and confirmatory surveys, finding no residual contamination or exposures to members of the public in excess of regulatory limits. The licensee's nuclear medicine and radiology staff demonstrated implementation of procedures for package receipt, waste handling and administration of therapeutic radiopharmaceuticals and Sir-Spheres.

The inspector reviewed the licensee's records for administration of byproduct material requiring a written directive, including numerous I-131 and Y-90 therapies, as well as a selection of permanent implant brachytherapy treatments performed since the last inspection. The inspector also reviewed a selection of nuclear medicine records, personnel dosimetry, quarterly audits, inventory, leak test, linearity, accuracy, and RSC meeting minutes.

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