

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: McLaren Northern Michigan 416 Connable Ave. Petoskey, MI 49770 REPORT NUMBER(S) 2017001	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) 030-11715	4. LICENSE NUMBER(S) 21-16732-01	5. DATE(S) OF INSPECTION June 28, 2017
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6. INSPECTION PROCEDURES USED 87131, 87132	7. INSPECTION FOCUS AREAS All
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02230	2. PRIORITY 2	3. LICENSEE CONTACT Daniel Dryden, RSO	4. TELEPHONE NUMBER (517) 882-0383
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Main Office Inspection Next Inspection Date: June 28, 2019

Field Office Inspection

Temporary Job Site Inspection

PROGRAM SCOPE

This was a unannounced, routine inspection of a hospital authorized to use byproduct material to perform diagnostic and therapeutic administrations of radiopharmaceuticals, manual brachytherapy, and HDR treatments at its facility in Petoskey, Michigan. The licensee was also authorized to perform diagnostic and therapeutic administrations of radiopharmaceuticals at its facility in Cheboygan, Michigan. At the nuclear medicine department in Petoskey, the licensee performed approximately eight diagnostic studies per day, and approximately two therapeutic administrations of I-131 per month. In the radiation oncology department, the licensee performed approximately two prostate seed implants per year, and treated approximately one patient per week using the HDR unit. A majority of the HDR treatments were performed using the SAVI applicator.

The inspector observed nuclear medicine staff demonstrate package receipt and surveying procedures, daily dose calibrator constancy checks, daily surveys, and waste disposal procedures. In addition, the inspector observed the administration of a dose for a bone scan. The inspector noted that the NMT wore the appropriate personal protective equipment, assayed the doses, and verified patient identity prior to administering the doses. The nuclear medicine staff also demonstrated adequate knowledge of radiation protection principles and emergency procedures in the event of a spill through interviews with the inspector. In the radiation oncology department, the inspector observed the fifth fraction of ten for an HDR treatment using the SAVI applicator. The inspector noted that licensee staff performed the required daily checks, verified the treatment plan, verified patient identity prior to the treatment, and performed a survey of the patient following the treatment.

The inspector reviewed a selection of licensee records, including written directives, treatment plans, quarterly audits, source inventories, survey meter calibration records, package receipt logs, dosimetry, and RSC meeting minutes with no issues noted. In addition, the inspector performed independent surveys, which revealed no readings that would indicate residual contamination or exposures to members of the public in excess of regulatory limits.

No violations were identified during this inspection.

*GW for ATM
7/26/17*