

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Holland Community Hospital 602 Michigan Avenue Holland, MI 494234999 REPORT NUMBER(S) 2018001	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) 030-13801	4. LICENSE NUMBER(S) 21-18502-01	5. DATE(S) OF INSPECTION January 31, 2018
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6. INSPECTION PROCEDURES USED 87131	7. INSPECTION FOCUS AREAS 03.01-03.08
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03121	2. PRIORITY 2	3. LICENSEE CONTACT Edward J. Maas, MD - RSO	4. TELEPHONE NUMBER (616) 392-5141
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Main Office Inspection Next Inspection Date: August 30, 2022

Field Office Inspection 844 S. Washington Avenue, Holland, Michigan

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced, routine inspection of a hospital authorized by its NRC license to use unsealed byproduct material for diagnostic and therapeutic procedures under 10 CFR 35.100, 35.200, 35.300, and 35.1000 (I-125 seed localization) at its facility in Holland, Michigan. A local radiopharmacy delivered unit doses to the hospital for a variety of diagnostic procedures including four stress/rest tests and two bone scans per day. The clinic employed three full-time nuclear medicine technologists who staffed the department from Monday to Friday and on call on weekends. The licensee performed approximately six I-131 therapies per year at the main location and one I-125 seed localization implant a week at its South Washington Avenue location. The clinic retained the services of a medical physics consultant to perform instrument calibrations, leak tests, and quarterly audits of the radiation safety program.

PERFORMANCE OBSERVATIONS

The inspector toured the nuclear medicine laboratory and observed the nuclear medicine technologist demonstrate package receipt surveys and instrument quality control checks. The inspector observed the preparation and administration of three heart stress tests and one bone scan. The inspector performed independent surveys of the hot lab and other areas of the nuclear medicine department and found no contamination or exposures to members of the public distinguishable from background. The nuclear medicine technologist demonstrated adequate knowledge of radiation safety principles and practices through interviews. The inspector reviewed quarterly audit reports, spill reports, and documentation of package receipt, area surveys, instrument quality control, waste disposal, and employee training. The inspector also reviewed monthly dosimetry reports which indicated annual whole-body and extremity doses below regulatory limits.

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