



Materials Inspection Record

1. Licensee Name: Ascension Providence Rochester Hospital		2. Docket Number(s): 030-02157		3. License Number(s) 21-13562-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: February 28, 2022		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 02120	8. Priority: 3	9. Inspection Guidance Used: IP 87131	
10. Licensee Contact Name(s): Shelli Kritzman - Consultant		11. Licensee E-mail Address: mkritzman@mpcphysics.com		12. Licensee Telephone Number(s): 734-662-3197	
13. Inspection Type:		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input type="checkbox"/> Initial <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		<input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		02/28/2025 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

Ascension Providence Rochester Hospital in Rochester, Michigan, is a 224-bed general hospital and teaching institution authorized to perform diagnostic and therapeutic administrations of radiopharmaceuticals and to perform permanent implant brachytherapy. At the time of the inspection, two full-time and one part-time nuclear medicine technologist performed 4-12 diagnostic administrations per day using unit and bulk doses from a licensed radiopharmacy, as well as 2-4 therapeutic administrations of I-131 capsules per year. The licensee had not performed any permanent implant brachytherapy since the last inspection. The licensee retained the services of a medical physics consultant to perform instrument calibrations and quarterly audits of the radiation safety program, and maintained an RSC, which met quarterly.

The inspector toured the hospital in Rochester. All areas were properly posted, and all licensed material was adequately secured or under control and constant surveillance of the technologists. The inspector conducted independent surveys of the nuclear medicine department and found no residual contamination or exposures to members of the public in excess of regulatory limits. The inspector observed a hepatobiliary scan, cardiac stress test, and a MAG3 renal scan, all using unit doses of Tc-99m radiopharmaceuticals, as well as the receipt of packages containing hazardous material. The inspector found the technologists to be knowledgeable of radiation protection principles and regulatory requirements, and noted the use of adequate ALARA practices, personnel dosimetry, and calibrated and operable radiation detection instruments. The inspector also noted that the licensee's well counter returned elevated background readings (around 650 cpm). However, the inspector confirmed with calculations that the minimum detectable activity of the instrument as used by the licensee was still sufficiently low (under 150 dpm) for all required surveys.

The inspector reviewed a selection of records related to the radiation safety program, including quarterly consultant audits, RSC meeting minutes, dose calibrator and well counter quality control checks, documentation for a variety of surveys and personnel dosimetry reports. The inspector also reviewed written directives and release evaluations for all I-131 therapies administered since the last routine inspection, and confirmed that the licensee's procedures provided high confidence that all therapies were performed in accordance with signed and dated written directives.

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