



Materials Inspection Record

1. Licensee Name: Ascension Providence Hospital		2. Docket Number(s): 030-02022		3. License Number(s) 21-02802-03	
4. Report Number(s): 2021-001			5. Date(s) of Inspection: 09/29/21-10/01/21 and 10/04/21		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 02240	8. Priority: 2	9. Inspection Guidance Used: IP 87131, 87132	
10. Licensee Contact Name(s): Vikram Kinni, MD - RSO Michelle Kritzman - Consultant		11. Licensee E-mail Address: vikram@southfieldradiology.com mkritzman@mpcphysics.com		12. Licensee Telephone Number(s): 248-849-3000 734-662-3197	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Field Office <input checked="" type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 09/29/2023 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was an announced routine inspection of a community hospital authorized to use byproduct material for diagnostic and therapeutic medical purposes at its campuses in Southfield and Novi, Michigan, and at temporary job sites in NRC jurisdiction. At the Southfield campus, the licensee operated a general and cardiac nuclear medicine department and performed Y-90 microspheres treatments. The hospital also operated an HDR unit at the cancer center on campus under a separate license (030-33776). At the Novi campus, the licensee operated a general nuclear medicine department and performed permanent implant brachytherapy at the cancer center on campus. The licensee also operated a mobile PET trailer which traveled to one of seven Ascension facilities in the Detroit metro area daily including weekends. The licensee maintained an RSC and retained the services of a medical physics consultant to perform quarterly audits of the nuclear medicine departments.

The inspector toured the licensee's facilities in Southfield and Novi, and visited the mobile PET trailer at temporary job site in Macomb Township and Novi, Michigan. All facilities were adequately posted, and all material was adequately secured. Readings from independent surveys in restricted and unrestricted areas of these facilities were within regulatory limits. No residual contamination in any area was noted. The inspector observed numerous diagnostic administrations of Tc-99m, I-123, F-18 and Cu-64, a therapeutic administration of Y-90 microspheres, two I-125 prostate seed implants, and receipt of packages containing licensed material at the main nuclear medicine department in Southfield and at the mobile PET trailer. The inspector interviewed several nuclear medicine technologists, medical physicists, the licensee's medical physics consultant, the authorized users for microspheres and prostate seeds, and members of licensee management. All were knowledgeable of radiation protection principles, licensee procedures, and regulatory requirements, and utilized appropriate ALARA practices, personnel dosimetry, and radiation detection instrumentation throughout.

The inspector also reviewed a selection of records, including RSC meeting minutes, quarterly consultant audits, personnel dosimetry results, routine nuclear medicine records, and a selection of written directives, planning and verification documentation and release calculations (when necessary) for I-131 NaI capsule, Y-90 microsphere, and I-125 prostate cancer treatments.

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