



### Materials Inspection Record

1. Licensee Name: Ascension St. Mary's Hospital		2. Docket Number(s): 030-02031		3. License Number(s) 21-03646-03	
4. Report Number(s): 2021-001			5. Date(s) of Inspection: November 5, 2021		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 02230	8. Priority: 2	9. Inspection Guidance Used: IP 87131, IP 87132	
10. Licensee Contact Name(s): Corey Christenson - Mgr. Img. Charbel Habib, PhD - AMP		11. Licensee E-mail Address: corey.christenson@ascension.org charbel.habib@ascension.org		12. Licensee Telephone Number(s): 989-907-8214 N/A	
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 type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 11/05/2023 <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 main hospital in Saginaw, Michigan, and at two satellite facilities also in Saginaw. At the main campus, the licensee performed diagnostic administrations daily at its imaging center, and occasional therapeutic administrations of I-131 NaI capsules. The NMTs here also rotated shifts on a PET imaging trailer that the licensee and another in mid-Michigan operated as a joint venture under a separate license (Advanced PET Imaging Network, 030-38146). The licensee used an HDR unit at its cancer center for occasional gynecological cancer treatments, but had not performed any permanent implant brachytherapy treatments since the last inspection. At the Michigan Cardiovascular Institute, one NMT performed diagnostic administrations (mostly cardiac stress tests) daily, assisted by a second NMT on busier days (Tuesdays and Wednesdays). At St. Mary's of Michigan Towne Center, the licensee performed occasional diagnostic administrations for lymphoscintigraphies. The licensee maintained an RSC which met quarterly, and retained the services of a medical physics consultant.

The inspector visited the main hospital and the Michigan Cardiovascular Institute. All areas were properly posted and all licensed material was adequately secured. Readings from independent surveys in restricted and unrestricted areas of these facilities were within regulatory limits, and no contamination was noted. The inspector observed several diagnostic administrations of Tc-99m at both locations, one administration of I-123 DATSCAN at the the main hospital, the receipt of several packages containing licensed material, and demonstrations of HDR daily spot checks at the cancer center. The inspector interviewed several nuclear medicine technologists, a medical physicist, 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 calibrated radiation detection instrumentation throughout.

The inspector also reviewed a selection of records, including RSC meeting minutes, quarterly consultant audits, personnel dosimetry reports, routine nuclear medicine records, HDR source exchange, full calibration, and annual training documentation, as well as a selection of written directives, planning and verification documentation and release calculations (when necessary) for I-131 NaI capsule and HDR treatments.

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