



Materials Inspection Record

1. Licensee Name: Aspirus Keweenaw Hospital		2. Docket Number(s): 030-18138		3. License Number(s) 21-20242-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: May 17, 2022		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 02121	8. Priority: 5	9. Inspection Guidance Used: IP 87130	
10. Licensee Contact Name(s): Dan Miron - Consultant Rob Archambault - NMT		11. Licensee E-mail Address: dmiron@mpcphysics.com robert.archambault@aspirus.org		12. Licensee Telephone Number(s): N/A 906-337-4136	
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		05/17/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

Aspirus Keweenaw is a 31-bed community hospital authorized to use byproduct material for diagnostic medical purposes at its facility in Laurium, Michigan, and at an affiliated 10-bed hospital in Ontonagon, Michigan. At the time of the inspection, one nuclear medicine technologist performed 2-3 diagnostic administrations per day in Laurium, Monday through Friday, except for every other Wednesday when the technologist performed administrations in Ontonagon. The licensee used only unit doses (mostly Tc-99m, with occasional I-123 capsules for uptake scans) delivered to Laurium from a radiopharmacy in Marquette, Michigan. When needed in Ontonagon, the technologist transported doses from Laurium. The licensee retained the services of a consulting physicist based in Wisconsin to review the implementation of the radiation safety program quarterly.

The inspector toured the hospital in Laurium. All areas were adequately posted, and all licensed material was adequately secured. Independent and confirmatory surveys in the department and found no residual contamination or exposures to members of the public in excess of regulatory limits. The department was remodeled in 2021, and matched the description provided by the licensee in its notification dated August 30, 2021. The inspector observed the administration of a cardiac stress test and a bone scan, both using Tc-99m, and noted the use of adequate ALARA practices. The technologist demonstrated the receipt of packages containing licensed material, and discussed measures for safe transport of these packages to Ontonagon. The technologist was knowledgeable of radiation protection principles, regulatory requirements and licensee procedures, and wore appropriate dosimetry.

The inspector reviewed a selection of the licensee's records, including consultant audits, instrument quality control records, sealed source inventory, leak test, and transfer documentation, reports of minor spills and contamination, routine survey records, dose administration records, worker instruction including hazmat training and testing, and personnel dosimetry reports, which documented occupational exposures that were consistent with licensed activities and were well below regulatory limits.

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