



Materials Inspection Record

1. Licensee Name: Weyerhaeuser NR Company		2. Docket Number(s): 030-18287		3. License Number(s) 21-20351-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: January 6, 2022		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 03120	8. Priority: 5	9. Inspection Guidance Used: 87124	
10. Licensee Contact Name(s): Kathi Moss - RSO		11. Licensee E-mail Address: kathi.moss@weyerhaeuser.com		12. Licensee Telephone Number(s): 989-348-3475	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Non-Routine <input type="checkbox"/> Announced <input type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Field Office <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 01/06/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

Weyerhaeuser was authorized to use licensed material in fixed gauging devices for density measurements at its Oriented Strand Board (OSB - similar to plywood) manufacturing facility in Grayling, Michigan. At the time of the inspection, the licensee used a single Thermo EGS Gauging (previously LFE) fixed gauge containing Am-241 on a process line C-arm for density measurements of OSB prior to pressing. The licensee's RSO collected leak tests and performed shutter checks and inventories semiannually; any additional maintenance was performed by the device manufacturer. The current RSO planned to retire in May 2022; another Weyerhaeuser employee had been selected as a replacement and was planning to start at Grayling in late February 2022.

The inspector visited the licensee's facility and toured the OSB manufacturing process, including the area where the fixed gauge was located, during a biweekly maintenance outage. The gauge itself was in good condition, properly labeled and posted. Independent surveys in the vicinity of the gauge were consistent with radiation profiles in the the applicable SSDR safety evaluation. The inspector interviewed the RSO to discuss collection of leak tests, lockout procedures, and preparedness to respond to emergencies involving the gauge. The licensee had a survey meter which it calibrated annually; however, upon receipt of the meter from calibration in December 2021, the RSO found that one of the battery wires had broken, rendering the meter inoperable. The inspector confirmed that the RSO was able to obtain survey meter from a nearby business (or from the manufacturer's field service technician, located a few hours away) in the event of an emergency, and discussed the licensee's plans to obtain two meters of the incoming RSO's choosing in the near future.

The inspector and RSO also discussed the licensee's possession of a generally-licensed 3M Model 703 static meter containing H-3. The device was in adequately secured and in good condition, but had not been used for some time. The inspector provided the RSO with contact information for disposing of the device via return to manufacturer; the RSO intended to return the device before the incoming RSO arrived in late February.

The inspector also reviewed a selection of records including recent leak tests, shutter checks, inventories, area surveys around the gauge, and radiation safety awareness training for plant staff.

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