



Materials Inspection Record

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| 1. Licensee Name: GAF Materials Corporation | | 2. Docket Number(s): 030-29571 | | 3. License Number(s) 13-24808-01 | |
| 4. Report Number(s): 2021-001 | | | 5. Date(s) of Inspection: January 20, 2021 | | |
| 6. Inspector(s): Ryan Craffey | | 7. Program Code(s): 03120 | | 8. Priority: 5 | 9. Inspection Guidance Used: 87124 |
| 10. Licensee Contact Name(s): Matthew Mahrenholz - RSO | | 11. Licensee E-mail Address: matthew.mahrenholz@gaf.com | | 12. Licensee Telephone Number(s): 812-833-2309 | |
| 13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Non-Routine <input type="checkbox"/> Initial <input type="checkbox"/> Unannounced | | 14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input checked="" type="checkbox"/> Remote | | 15. Next Inspection Date (MM/DD/YYYY): 01/20/2026 <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, conducted remotely, of a roofing products manufacturer authorized to use sealed sources of byproduct material in fixed gauging devices to control elements of asphalt shingle manufacturing processes at its facility in Mount Vernon, Indiana. At the time of the inspection, the licensee possessed two specifically-licensed devices: a Thermo Process Instruments 5202 pipe-mounted gauge containing Cs-137 for asphalt density measurements, and a Thermo Fisher 5034 belt weigh scale gauge for measuring the weight of raw materials. The licensee also possessed one registered, generally-licensed Thermo EGS Gauging SU-P77A beta gauge containing Sr-90 for shingle thickness measurements. Instrumentation technicians performed shutter checks of the specifically-licensed devices quarterly and collected leak tests (analyzed by the manufacturer) every three years. The RSO served as responsible individual for the generally-licensed device. Manufacturer field service personnel (working under reciprocity) performed shutter checks, leak tests, and other routine maintenance on it every six months.

PERFORMANCE OBSERVATIONS

Using a video teleconference platform, the licensee's RSO provided the inspector with a walk-through of the facility at 901 Givens Road in Mount Vernon. The inspector confirmed that the licensee's specific and generally-licensed devices were in good condition and were adequately labeled and posted. To minimize the potential for exposure to radiation, the licensee continued to use a metal enclosure to restrict access to the beam of the weigh belt scale gauge; the beam of the other gauges were inaccessible due to the physical arrangement of the equipment.

The inspector interviewed the RSO and an instrument technician to discuss methods for performing of shutter checks, collecting leak tests, implementing lock-out / tag-out procedures for the weigh belt scale gauge, and responding to emergencies involving the devices. Both individuals were knowledgeable of the radiation hazards present and proficient with the licensee's procedures for maintenance and safe use of the devices.

The inspector also reviewed a selection of records, including preventative maintenance documentation for the completion of shutter checks, leak test analysis results, and manufacturer field service reports.

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