



### Materials Inspection Record

1. Licensee Name: Kent County Road Commission		2. Docket Number(s): 030-33628		3. License Number(s) 21-23325-02	
4. Report Number(s): 2021-001			5. Date(s) of Inspection: July 28-29, 2021		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 03121	8. Priority: 5	9. Inspection Guidance Used: 87124	
10. Licensee Contact Name(s): David Bennet - RSO		11. Licensee E-mail Address: dbennet@kentcountyroads.net		12. Licensee Telephone Number(s): 616-242-6091 x 2997	
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 checked="" type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		07/28/2026 <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 unannounced routine inspection of a county roads department authorized to store portable moisture density gauges containing byproduct material at its main office in Grand Rapids, Michigan, and to use them for measuring the physical properties of materials at temporary job sites in NRC jurisdiction. At the time of the inspection, the licensee had nine individuals authorized to use gauges; they did so on a daily basis throughout the construction season.

The inspector toured the licensee's facility in Grand Rapids. All areas were properly posted, and all material was adequately secured behind at least two barriers. Independent surveys in the vicinity of the gauge storage area returned no unusual or excessive readings. The gauges in storage appeared to be in good condition, as did their transport cases. While at the facility, the inspector interviewed the licensee's RSO to discuss his oversight of the program, including his role in various emergency response scenarios. The inspector confirmed that the licensee had an operable survey meter for these situations. The inspector also reviewed a selection of records, including utilization logs, physical inventories, leak test results, gauge user training materials, personnel dosimetry reports, and gauge transfer documentation.

The next day, the inspector visited a temporary job site on 68th Street SE east of Egan Avenue SE in Caledonia, Michigan, and observed an authorized user perform compaction tests on a road reconstruction project. The user maintained control and constant surveillance of the gauge and implemented adequate ALARA practices throughout. The gauge and its transport case were in good condition; independent surveys in the vicinity of the device were consistent with the radiation profiles in the applicable SDDR safety evaluation and were well below DOT limits on public highways. The inspector confirmed that the authorized user carried correct shipping papers, emergency response information for transport, and operating and emergency procedures. In addition, the user maintained two independent physical controls to secure and conceal the gauge whenever it was not under his control and constant surveillance.

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