



Materials Inspection Report

1. Licensee/Location Inspected: Ingham County Road Commission 301 Bush Street Mason, MI 48854 Report Number(s) 2022-001	2. NRC/Regional Office Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. Docket Number(s) 030-18646	4. License Number(s) 21-24465-01	5. Date(s) of Inspection 09/01/22; exit 09/12/22
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LICENSEE:
 The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.
 - A. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.
 (Non-cited violation(s) was/were discussed involving the following requirement(s))

 - B. The following violation(s) is/are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
 (Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE AND DATE
LICENSEE'S REPRESENTATIVE		
NRC INSPECTOR	Ryan Craffey	 <small>Digitally signed by Ryan J. Craffey Date: 2022.09.19 17:02:10 -04'00'</small>
BRANCH CHIEF	Michael Kunowski	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2022.09.21 08:41:02 -05'00'</small>



Materials Inspection Record

1. Licensee Name: Ingham County Road Commission		2. Docket Number(s): 030-18646		3. License Number(s) 21-24465-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: September 1, 2022; exit September 12		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 03121	8. Priority: 5	9. Inspection Guidance Used: IP 87139	
10. Licensee Contact Name(s): Andy Dunn - Dir. Ops., RSO Mark Swanson - Eng. Tech.		11. Licensee E-mail Address: adunn@ingham.org mswanson@ingham.org		12. Licensee Telephone Number(s): 517-676-9722 x 2355 517-676-9722 x 2314	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 09/01/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

The Ingham County Road Commission was authorized to store portable moisture density gauges at its facility in Mason, Michigan, and to use them at temporary job sites in NRC jurisdiction. At the time of the inspection, the licensee had two Troxler 3400 series gauges (s/n 26230 and 67726) and half a dozen individuals trained to use them. The licensee used these gauges on a daily to weekly basis throughout the county during the construction season; however, no testing was scheduled or in progress on the day of the inspection.

The inspector toured the facility in Mason. The gauge storage area was adequately posted, and both gauges were adequately secured behind at least two barriers. The inspector performed independent and confirmatory surveys (the licensee owned a TroxAlert survey meter and calibrated it annually); dose rates were consistent with radiation profiles in the applicable SDDR safety evaluation and were well below limits to members of the public in unrestricted areas. The gauges and their transport case were in good condition and properly labeled. The inspector discussed use and maintenance of gauges and response to emergencies with the RSO and a gauge user, and observed demonstrations of measures for the safe transport of gauges.

The inspector also reviewed the licensee's plans to move their gauge storage area from an outbuilding at the facility to an area inside the main office, after which the licensee plans to demolish the outbuilding. The inspector confirmed that neither the license nor any tie-down documents limited the license to storing gauges in any particular area of the facility, and that the licensee would be able provide adequate security for the gauges at the new storage area. The inspector performed independent and confirmatory surveys with the gauges temporarily stored there; exposures in unrestricted areas were below limits to members of public, and no workstations or other routinely-occupied areas were noted in the vicinity. The licensee was nevertheless considering additional shielding in the storage area as an ALARA practice for those who passed through an adjacent hallway.

While on-site, the inspector reviewed utilization logs, shipping papers, gauge user user training records, personnel dosimetry reports, annual program audits, and some sealed source leak test results. Following the on-site visit, the inspector reviewed additional leak test results to confirm that both devices had been tested within the last 12 months.

No violations of NRC requirements were identified as a result of this inspection. The inspector exited with the licensee on September 12, 2022.