



## Materials Inspection Report

## 1. Licensee/Location Inspected:

Michigan Department of Transportation  
Construction Field Services Division  
8885 Ricks Road, Lansing, MI 48909  
Location Inspected: Sterling Heights and Taylor, MI

Report Number(s) 2023-002

## 2. NRC/Regional Office

Region III  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

## 3. Docket Number(s)

030-04813

## 4. License Number(s)

21-03039-01

## 5. Date(s) of Inspection

07/17/23 - 08/16/23

## 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	 Digitally signed by Ryan J. Craffey Date: 2023.08.16 09:20:45 -04'00'
BRANCH CHIEF	Rhex Edwards	 Digitally signed by Rhex A. Edwards Date: 2023.09.08 09:53:07 -05'00'



## Materials Inspection Record

1. Licensee Name: Michigan Department of Transportation		2. Docket Number(s): 030-04813		3. License Number(s): 21-03039-01	
4. Report Number(s): 2023-001			5. Date(s) of Inspection: July 17 and August 7, 2023; exit August 16, 2023		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 04417		8. Priority: 5	9. Inspection Guidance Used: IP 87139
10. Licensee Contact Name(s): Thomas Killingsworth - RSO		11. Licensee E-mail Address: killingswortht@michigan.gov		12. Licensee Telephone Number(s): 517-331-0314	
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 type="checkbox"/> Main Office <input checked="" type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 08/17/2023 <input type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input checked="" type="checkbox"/> No change	
16. Location(s) Inspected List:  Field Office - Metro Region Materials and Testing Lab, 35414 Mound Road, Sterling Heights, MI Field Office - Taylor Transportation Service Center, 6510 Telegraph Road, Taylor, MI					
17. Scope and Observations: <p>The Michigan Department of Transportation was authorized to use and store portable moisture density gauges at its main office in Lansing and at field offices and temporary job sites throughout the State of Michigan. The scope of this inspection was limited to a review of the radiation protection program as implemented at two field offices: the Metro Region Materials and Testing Lab in Sterling Heights, and the Taylor Transportation Service Center (TSC). The licensee had one gauge in Sterling Heights as backup for local TSCs, and two gauges at the Taylor TSC as backup in case contractors were unable to perform density testing when needed on local projects. During the off-season, all three gauges were returned to the main office in Lansing for maintenance and storage.</p> <p>The inspector toured the Testing Lab in Sterling Heights on July 17, 2023, and the TSC in Taylor on August 16, 2023. Both facilities were adequately posted, and all licensed material was adequately secured behind at least two tangible barriers. Independent surveys in all unrestricted areas were below regulatory limits to members of the public. All gauges and transport cases present were in good condition and adequately labeled, with complete and accurate utilization logs, shipping papers, and emergency response information available for each device. Confirmatory surveys in the vicinity of each were consistent with the radiation profiles in the applicable SSDR safety evaluation (NC-646-D-130-S). The inspector also reviewed results of periodic area surveys performed by the licensee at both facilities, and noted that emergency response equipment including steel drums and additional shielding were available at both as well.</p> <p>No violations of NRC requirements were identified as a result of this inspection.</p>					
Signature and Date - Branch Chief   Digitally signed by Rhex A. Edwards Date: 2023.09.08 09:52:49 -05'00'					