



Materials Inspection Report

1. Licensee/Location Inspected:

Soil and Materials Engineers, Inc., d/b/a SME
43980 Plymouth Oaks Boulevard
Plymouth, MI 48170
Location Inspected: Job Site in Ann Arbor, MI

Report Number(s) 2024-002

2. NRC/Regional Office

Region III
U. S. Nuclear Regulatory Commission
2056 Westings Avenue, Suite 400
Naperville, IL 60563-2657

3. Docket Number(s)

030-19574

4. License Number(s)

21-17158-02

5. Date(s) of Inspection

September 20, 2024

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	N/A (no findings)	
NRC INSPECTOR	Ryan Craffey	 Digitally signed by RYAN CRAFFEY Date: 2024.09.25 15:23:17 -05'00'
BRANCH CHIEF	Rhex Edwards	 Digitally signed by RHEX EDWARDS Date: 2024.10.11 07:32:20 -05'00'



Materials Inspection Record

1. Licensee Name: Soil and Materials Engineers, Inc.		2. Docket Number(s): 030-19574		3. License Number(s) 21-17158-02	
4. Report Number(s): 2024-002			5. Date(s) of Inspection: September 20, 2024		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 04416		8. Priority: 5	9. Inspection Guidance Used: IP 87139
10. Licensee Contact Name(s): Dave Hurlburt - RSO		11. Licensee E-mail Address: dave.hurlburt@sme-usa.com		12. Licensee Telephone Number(s): 734-454-9900 office 517-204-0205 cell	
13. Inspection Type: <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Non-Routine <input type="checkbox"/> Initial <input checked="" type="checkbox"/> Unannounced		14. Locations Inspected: <input type="checkbox"/> Main Office <input checked="" type="checkbox"/> Temporary Job Site <input type="checkbox"/> Hybrid <input type="checkbox"/> Field Office <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 10/19/2026 <input type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input checked="" type="checkbox"/> No change	
16. Location(s) Inspected List: Temporary Job Site - East Huron Street at Glen Avenue, Ann Arbor, MI					
17. Scope and Observations: <p>SME, a professional engineering and consulting firm based in Plymouth, Michigan, is authorized to store portable moisture density gauges containing byproduct material at offices across Michigan and Indiana and to use them for measuring the physical properties of construction materials at temporary job sites in NRC jurisdiction. The scope of this inspection was limited to observations of licensed activities at a road construction project at the University of Michigan's main campus in Ann Arbor, Michigan.</p> <p>While en-route to other duties, the inspector noticed an individual standing next to a portable moisture density gauge in the median of East Huron Street. The inspector stopped and observed the individual take the gauge, a Troxler 3411, along East Huron and perform several compaction tests in the median, to the west and to the east of Glen Avenue. The individual maintained control and constant surveillance of the device at all times while testing and used the gauge safely and in a manner consistent with good ALARA practices. Upon completing this testing, the individual promptly returned the gauge to the vehicle and secured it in a Type A transport container.</p> <p>The inspector then met with the gauge user and confirmed that they had adequately secured the gauge and blocked and braced the shipping container using a bracket mounted to the bed of the vehicle. The gauge (s/n 17365) was well-worn but in good condition; independent surveys of it were consistent with radiation profiles in the applicable SSDR safety evaluation (NC-646-D-830-S). The transport container was in good condition and adequately marked and labeled. Shipping papers, emergency response information, a copy of the licensee's O&E procedures, and current leak test results were available. The gauge user was knowledgeable of licensee procedures, wore personnel dosimetry as assigned, and kept the gauge's shipping papers within arm's reach of the driver's seat.</p> <p>No violations of NRC requirements were identified as a result of this inspection.</p>					

Materials Inspection Record (Continued)

Signature and Date - Branch Chief



Digitally signed by RHEX EDWARDS
Date: 2024.10.11 07:31:59 -05'00'