

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Soil and Materials Engineers, Inc. DBA SME 43980 Plymouth Oaks Boulevard Plymouth, MI 48170 REPORT NUMBER(S) 2021-001	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) 030-19574	4. LICENSE NUMBER(S) 21-17158-02	5. DATE(S) OF INSPECTION October 19-20, 2021
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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. 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, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

_____ Non-cited violation(s) were discussed involving the following requirement(s):

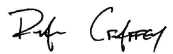
- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Contrary to 10 CFR 30.34(i), on October 20, 2021, Soil and Materials Engineers, Inc. used only one independent physical control that formed a tangible barrier against unauthorized removal to secure a portable moisture density gauge in an unattended vehicle at a temporary job site in Clio, Michigan. Specifically, the licensee used only a single locked cable to secure a case containing the gauge in the open bed of a truck. A second barrier was present but did not secure the case as intended; its lock was closed but would not lock.

As corrective action for this Severity Level IV violation, the licensee maintained control and constant surveillance of the gauge until returning it to secure storage at its facility in Shelby Township, Michigan. The licensee also sent a memo to all gauge users reminding them of expectations for portable gauge security.

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	DATE
LICENSEE'S REPRESENTATIVE	Trevor Shaheen		11/1/2021
NRC INSPECTOR	Ryan Craffey	 Digitally signed by Ryan J. Craffey Date: 2021.10.28 18:28:45 -04'00'	
BRANCH CHIEF	Michael Kunowski	Michael A. Kunowski Digitally signed by Michael A. Kunowski Date: 2021.11.01 07:20:48 -05'00'	