

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Somat Engineering, Inc.  
26445 Northline Road  
Taylor, MI 48180

2. NRC/REGIONAL OFFICE

Region III: 2443 Warrenville Rd., Ste. 210 Lisle, IL 60532-4352

REPORT NUMBER(S) 11-01

3. DOCKET NUMBER(S)

030-29146

4. LICENSE NUMBER(S)

21-24685-01

5. DATE(S) OF INSPECTION

08/10/2011

08/30/2011

**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. 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	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Aaron T. McCraw		9/1/11
BRANCH CHIEF	Tamara E. Bloomer		9/1/11

**Docket File Information**  
**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

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3. DOCKET NUMBER(S) 030-29146		4. LICENSE NUMBER(S) 21-24685-01	5. DATE(S) OF INSPECTION 08/10/2011      08/30/2011
6. INSPECTION PROCEDURES USED IP87124		7. INSPECTION FOCUS AREAS 03.01-03.07	

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) 03121	2. PRIORITY 5	3. LICENSEE CONTACT Micah J. Brooks, RSO	4. TELEPHONE NUMBER (313) 887-7149
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- ☒ Main Office Inspection      Next Inspection Date: 08/01/2016
- ☒ Field Office Inspection    3390 Broadmoor Ave SE, Grand Rapids, MI
- ☒ Temporary Job Site Inspection    M39 Project at Joy Rd. Bridge

**PROGRAM SCOPE**

This was a routine inspection of a geotechnical, environmental, and construction services engineering firm that used portable moisture/density gauges. At the time of the inspection, the licensee possessed 14 Troxler 3400 Series gauges at its main office in Taylor, Michigan, and 2 Troxler 3400 Series gauges, at its Grand Rapids, Michigan, facility. The licensee is not authorized to perform any non-routine maintenance or service activities on the gauges.

**PERFORMANCE OBSERVATIONS**

The inspector observed the gauge storage areas at both permanent facilities. All gauges that were not in use were adequately secured with two independent barriers while not under constant control and surveillance. Licensee representatives at both facilities described how gauges are transported using two independent barriers, as well as how gauges were tracked by utilization logs. The inspector observed one gauge at a temporary job site. The inspector observed that the gauge was adequately secured for transportation and that the gauge user had appropriate shipping papers. The gauge user at the job site described how he uses and transports the gauge and how he would store the gauge at a site other than the gauge's permanent storage location. Interviews conducted with available staff at all locations revealed an adequate level of understanding of emergency and material handling procedures and techniques.

Independent measurements taken did not indicate readings in excess of Title 10 Code of Federal Regulations (10 CFR) Part 20 limits in restricted or unrestricted areas. The licensee has demonstrated and documented that gauge users will not receive 10 percent of the annual dose limit; therefore, whole body dosimetry was not required. The inspector reviewed the licensee's methodology for estimating annual doses and found it adequate. The licensee possessed a calibrated and operable radiation survey meter. A records review indicated that required physical inventories, leak tests, and personnel gauge safety and HAZMAT training had been completed.

No violations were identified during this inspection.