

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:  
Materials Testing Consultants, Inc.  
693 Plymouth N.E.  
Grand Rapids, MI 49505

2. NRC/REGIONAL OFFICE

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

REPORT NUMBER(S) 11-01

3. DOCKET NUMBER(S)

030-13918

4. LICENSE NUMBER(S)

21-15281-02

5. DATE(S) OF INSPECTION

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.

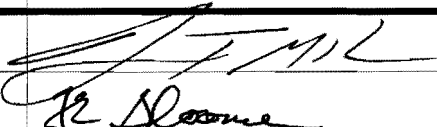

Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 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) 030-13918		4. LICENSE NUMBER(S) 21-15281-02	5. DATE(S) OF INSPECTION 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 Peter Gausewitz, RSO	4. TELEPHONE NUMBER (616) 456-5469
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<input checked="" type="checkbox"/> Main Office Inspection	Next Inspection Date: 08/01/2016
<input type="checkbox"/> Field Office Inspection	
<input type="checkbox"/> Temporary Job Site Inspection	

**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 22 Troxler 3400 Series gauges at its office in Grand Rapids, Michigan. The licensee is authorized to possess Instrotek 3500 Series gauges, but did not possess any at the time of the inspection. 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 area, which provided adequate security for when the gauges are not in use and adequate shielding to reduce exposure rates outside the gauge storage area to background levels. All gauges that were not in use were adequately secured with two independent barriers while not under constant control and surveillance. The licensee demonstrated how gauges are transported using two independent barriers, as well as how gauges were tracked by utilization logs. 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 inspector observed whole body dosimetry being worn by gauge users at the facility. Dosimetry records indicated that all gauge users were well below regulatory limits. 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.