

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

Crockett Geotechnical - Testing Lab  
1000 W. Nifong Boulevard, Building 1  
Columbia, MO 65203

2. NRC/REGIONAL OFFICE

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

REPORT NUMBER(S) 2019001

3. DOCKET NUMBER(S)

030-38643

4. LICENSE NUMBER(S)

24-35065-01

5. DATE(S) OF INSPECTION

May 23, 2019

**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:

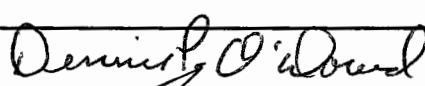
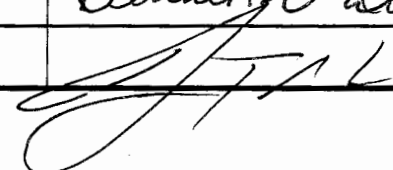
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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)

**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	Dennis P. O'Dowd		05/23/19
BRANCH CHIEF	Aaron T. McCraw		6/14/19

**Docket File Information**

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Crockett Geotechnical - Testing Lab 1000 W. Nifong Boulevard, Building 1 Columbia, MO 65203  REPORT NUMBER(S) 2019001	2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
--	---

3. DOCKET NUMBER(S)  030-38643	4. LICENSE NUMBER(S)  24-35065-01	5. DATE(S) OF INSPECTION  May 23, 2019
6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  All	

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  Eric Lidholm, P.E. - RSO	4. TELEPHONE NUMBER  (573) 447-3981
---------------------------------	----------------------	---	---

☒ Main Office Inspection      Next Inspection Date: 05/23/2024

☐ Field Office Inspection \_\_\_\_\_

☐ Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was a routine, unannounced inspection of a geotechnical engineering and materials testing firm authorized to use Cs-137 and Am-241:Be in Troxler portable moisture-density gauges at its facility in Columbia, Missouri, and at temporary job sites within NRC jurisdiction. At the time of the inspection, the licensee possessed five gauges (the license authorized the possession and use of up to ten gauges). The licensee has ten individuals, including the RSO, who are trained in the use and transportation of the gauges, and who are provided quarterly dosimetry and who are provided refresher training annually. The licensee possessed a survey meter for public dose assessment and for emergency response.

**PERFORMANCE OBSERVATIONS**

The inspector toured the licensee's facility in Columbia and found that the gauges were adequately secured by at least two independent physical controls. Independent and confirmatory surveys of unrestricted areas found no readings in excess of public dose limits. The gauges were not in use at the time of inspection. An authorized user satisfactorily described and demonstrated to the inspector the licensee's methods for transporting and using the gauge, including means of using two tangible barriers for securing the gauge when unattended and stored at temporary job sites, and blocking and bracing during transportation. The authorized user also provided shipping papers that are used during gauge transport and satisfactorily described the placement of shipping papers during transport. The authorized user described satisfactory methods for gauge use, maintenance, leak testing, and emergency response. Through this and other discussions, the inspector found that licensee staff were knowledgeable of radiation protection principles and NRC requirements.

The inspector reviewed a selection of licensee records, including use logs, leak test results, training certificates (including DOT Hazmat training), annual program audits, and dosimetry reports.

No violations of NRC requirements were identified as a result of this inspection.