

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Crockett Geotechnical - Testing Lab
500 Big Bear Boulevard
Columbia, MO 65202

REPORT NUMBER(S) 2014-001

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

APRIL 3, 2014

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:


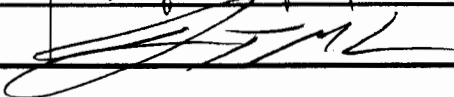
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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	Ryan Craffey		4/3/14
BRANCH CHIEF	Aaron McCraw		4/7/14

Docket File Information

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3. DOCKET NUMBER(S) 030-38643	4. LICENSE NUMBER(S) 24-35065-01	5. DATE(S) OF INSPECTION April 3, 2014	
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
<input checked="" type="checkbox"/> Main Office Inspection Next Inspection Date: April 3, 2019 <input type="checkbox"/> Field Office Inspection <input type="checkbox"/> Temporary Job Site Inspection			

PROGRAM SCOPE

This was the initial inspection of a geotechnical engineering and materials testing firm authorized to use Cs-137 and Am-241 in Troxler moisture density gauges at its facility in Columbia, Missouri, and at temporary job sites within NRC jurisdiction. The licensee took possession of three Troxler 3400 series gauges, as authorized, shortly after its license was issued in July 2013. The licensee has five individuals, including the RSO, who are trained in the transportation and use of the gauges, and who are provided quarterly dosimetry and who will be provided refresher training (including hazmat) annually. The licensee possesses a survey meter for public dose assessment and for emergency response.

The licensee is planning to name one of the authorized users to be the new RSO in the near future, and is planning on ceasing the use of dosimetry once it has obtained sufficient documentation (four quarters of dosimetry) to demonstrate that unmonitored individuals are not likely to receive exposures in excess of 10% of annual limits.

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 inspector observed the return of one of the licensee's gauges from a temporary job site; the gauge was adequately secured in the vehicle and shipping papers were readily available. 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 and dosimetry reports. The inspector also reviewed the license conditions with the RSO, as well as requirements for the conduct of annual audits. The RSO stated that the licensee would use the example checklist in NUREG-1556 Vol. 1, Appendix F to complete the audit.

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