



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