

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Geotechnology, Inc. 11816 Lackland Rd. Ste. 150 St. Louis, MO 63146 REPORT NUMBER(S) 2021001	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) 030-18640	4. LICENSE NUMBER(S) 24-24459-01	5. DATE(S) OF INSPECTION December 13, 2021 to December 21, 2021
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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	Luis Nieves Folch	Luis A. Nieves Folch <small>Digitally signed by Luis A. Nieves Folch Date: 2022.01.05 08:02:06 -06'00'</small>	
BRANCH CHIEF	Michael Kunowski	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2022.01.14 10:11:23 -06'00'</small>	



Materials Inspection Record

1. Licensee Name: Geotechnology, Inc.		2. Docket Number(s): 030-18640		3. License Number(s) 24-24459-01	
4. Report Number(s): 2021001			5. Date(s) of Inspection: December 13, 2021 to December 21, 2021		
6. Inspector(s): Luis Nieves		7. Program Code(s): 03121	8. Priority: 5	9. Inspection Guidance Used: 87124	
10. Licensee Contact Name(s): Lucas P. Heuerman, RSO		11. Licensee E-mail Address: lheuerman@geotechnology.com		12. Licensee Telephone Number(s): 314-625-9855	
13. Inspection Type: <input type="checkbox"/> Initial		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		<input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		December 13, 2026 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was an announced, inspection of a portable nuclear gauge licensee authorized to use and store portable moisture density gauges at its facility in St. Louis, Missouri. The licensee employed 14 gauge users and possessed 16 Campbell Pacific Nuclear gauges total: two model MC-1DRP, five model MC-1, and nine model MC-3. The licensee does not perform any services or maintenance activities on its gauges; these service were performed by the manufacturer. The licensee uses its gauges year-round.

Performance Observations

The licensee demonstrated how to use the gauges, ALARA practices, and secure gauges during transport and while stored at the main office. The gauge were kept under two barriers while in the office. The licensee had the required shipping papers that contained all appropriate information and demonstrated how the papers are made accessible in the transport vehicle. The operator demonstrated an adequate level of understanding of emergency and handling procedures during interviews. The inspector reviewed annual audits, leak test, hazmat training, inventory, dosimetry records, survey meter, and usage logs.

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

From: [Nieves Folch, Luis](#)
To: lheuerman@geotechnology.com
Subject: NRC 591 report for Geotechnology, Inc.
Date: Friday, January 14, 2022 11:28:00 AM
Attachments: [Geotechnology 591M\(1\)MK.pdf](#)

Dear Mr. Heuerman

Attach is the clear 591 report for the inspection conducted on December 13, 2021. At this point there is no further actions on your part.

In accordance with Title 10 of the Code of Federal Regulations 2.390 of the NRC's "Rules of Practice," a copy of this message will be available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>. Please feel free to contact me if you have any questions regarding this correspondence.

Thank you,

**Luis Nieves
Health Physicist
U.S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
Office: (630) 829-9571
Fax: (630) 515-1259**