



Materials Inspection Report

1. Licensee/Location Inspected:

Midwest Subsurface Testing, LLC
8606 Page Ave.
St. Louis, MO 63114

Report Number(s) 2022001

2. NRC/Regional Office

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

3. Docket Number(s)

030-32036

4. License Number(s)

24-24619-02

5. Date(s) of Inspection

October 26, 2022

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. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.

A. 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, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.

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

B. The following violation(s) is/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 AND DATE
LICENSEE'S REPRESENTATIVE		
NRC INSPECTOR	Jason Draper, Health Physicist	Jason D. Draper <small>Digitally signed by Jason D. Draper Date: 2022.11.21 13:49:18 -06'00'</small>
BRANCH CHIEF	Rhex A. Edwards	 <small>Digitally signed by Rhex A. Edwards Date: 2022.11.22 14:19:17 -06'00'</small>




Materials Inspection Record

1. Licensee Name: Midwest Subsurface Testing, LLC		2. Docket Number(s): 030-32036		3. License Number(s) 24-24619-02	
4. Report Number(s): 2022001			5. Date(s) of Inspection: October 26, 2022		
6. Inspector(s): Jason Draper		7. Program Code(s): 03121		8. Priority: 5	9. Inspection Guidance Used: IP 87139
10. Licensee Contact Name(s): Joeseeph M. Honich, RSO		11. Licensee E-mail Address: jhonich@mwtesting.com		12. Licensee Telephone Number(s): (314) 739-2727	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		14. Locations Inspected: <input type="checkbox"/> Hybrid <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 10/26/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	
16. Location(s) Inspected List: Main Office - 8606 Page Ave.					
17. Scope and Observations: <p>This was an inspection of a portable nuclear gauge licensee authorized to possess and use up to 11 CPN Model MC Series and 14 Humboldt Scientific, Inc. Model 5001 Series portable moisture density gauges for soil engineering projects. At the time of the inspection, the licensee possessed 11 CPN Model MC Series gauges and 7 Humboldt Model 5001 gauges (though some were being used in agreement states) and employed approximately 20 authorized gauge users who used the gauges daily. The licensee used a licensed gauge service provider for maintenance, calibration, and leak testing of the gauges; and the RSO performed radiation safety program reviews annually.</p> <p>During the inspection, the inspector toured the licensee's facility to verify the gauges were secured appropriately with two barriers and took radiation surveys to verify appropriate postings. No gauges were being used at temporary job sites within a reasonable distance from the office, so the inspector interviewed the RSO regarding the use of the gauges at job sites, how gauges are prepared and secured for transport, and how the licensee tracks the use and location of gauges. The inspector reviewed a selection of records including the utilization log, leak tests, training records, and periodic radiation safety program reviews. The inspector also reviewed the licensee's determination that authorized gauge users were not likely to exceed 10 percent of the occupational dose limits in 10 CFR 20.</p> <p>No violations of NRC requirements were identified as a result of this inspection.</p> <p>During a temporary job site inspection in October 2020 (IR 2020001), an inspector identified a severity level IV violation for the gauge user's failure to wear dosimetry, as the licensee's procedures required the use of dosimetry, if provided. During this routine inspection, the inspector identified that the licensee no longer provided dosimetry to its gauge users based on an evaluation that gauge users were not likely to exceed 10 percent of the limits. This violation is closed.</p>					

Materials Inspection Record (Continued)

Signature and Date - Branch Chief



 Digitally signed by Rhex A. Edwards
Date: 2022.11.22 14:19:58 -06'00'

From: [Jason Draper](#)
To: jhonich@mwtesting.com
Subject: NRC 591M - Midwest Subsurface Testing, LLC
Date: Wednesday, November 23, 2022 7:56:00 AM
Attachments: [NRC 591M - Midwest Subsurface Testing jd \(002\) RAE.pdf](#)

Mr. Honich,

As we discussed following my inspection, attached is the inspection report for the routine NRC inspection that was performed of your facility in St. Louis, Missouri, on October 26, 2022. Please review and keep this document for your records. There is no response required, though I would appreciate an email confirming that you have received the document. Let me know if you have any questions.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response, if you choose to provide one, will be made 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>. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information so that it can be made publicly available without redaction.

Jason Draper

Health Physicist (Inspector)

NRC / Region III / DRSS / MIB

(630) 829-9839

jason.draper@nrc.gov