



### Materials Inspection Record

1. Licensee Name: GEI Consultants, Inc.		2. Docket Number(s): 030-38491		3. License Number(s) 21-32834-01	
4. Report Number(s): 030-38491 / 2021-001			5. Date(s) of Inspection: June 4 through September 23, 2021		
6. Inspector(s): Jason vonEhr		7. Program Code(s): 03121	8. Priority: 5	9. Inspection Guidance Used: IP 87124	
10. Licensee Contact Name(s): Isaac N. Roberts, P.E., RSO		11. Licensee E-mail Address: iroberts@geiconsultants.com		12. Licensee Telephone Number(s): (906) 629-1377 (office) (906) 360-0808 (cell)	
13. Inspection Type:		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input type="checkbox"/> Initial <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 checked="" type="checkbox"/> Remote		06/04/2026 <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 routine inspection of GEI Consultants, a portable gauge licensee in Marquette, Michigan. The inspection, conducted remotely, was initiated with a request for documents and procedures on June 4, 2021. Although the licensee was authorized to use and storage gauges at three facilities (two in Marquette and one in Counce, Tennessee), only the Baraga Avenue facility was currently occupied by the licensee. The RSO was new at the time of the inspection, having been approved and added to the NRC license on July 6, 2021.

The licensee provided a series of records, pictures, procedures, and policies via secure file-sharing platform. The licensee adequately demonstrated its ability to secure the portable gauges within its fixed facility as well as during transportation via pictures. Adequate facility and transportation labeling was also noted. Public dose assessment, inventory records, leak tests, utilization logs, transfer documentation, occupational dosimetry results, and procedures were reviewed, with no significant findings.

The inspector reviewed utilization logs back to 2018 and noted frequent gauge use by one of eight individuals. Each of these users had adequate gauge safety and DOT hazmat training prior to first use, and their occupational exposure was consistent with the documented use of material. The licensee's public dose assessment followed a template from a gauge manufacturer for calculating annual anticipated exposures, but did not follow-through completely (one calculation was concluded at higher than 100 mrem/year, but included a note that certain shielding had not been taken into account). The licensee completed the assessment demonstrating less than 100 mrem/year exposure to the highest-likely-exposed individual and provided the inspector a copy as verification. The licensee also demonstrated access to survey instruments in the event of emergencies through direct ownership of three meters (each an SE International Monitor 4).

Regarding the authorized locations of use: The licensee received authorization for the location of use in Tennessee in order to perform long-term work at a project in exclusive NRC jurisdiction. However, activities in TN ceased in 2020 after the project was completed. Furthermore, the second Marquette facility was authorized to effect a move within the city to the new facility (on Baraga Ave) in June 2013. The first Marquette facility has not been occupied since. During the period of in-office review, the inspector confirmed that the licensee had submitted a request to remove the Tennessee location and the old Marquette facility from their license.

No violations of significance were identified as a result of this inspection.