



Materials Inspection Record

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| 1. Licensee Name: Professional Service Industries, Inc. | | 2. Docket Number(s): 030-11906 | | 3. License Number(s) 12-16941-01 | |
| 4. Report Number(s): 2022-002 | | | 5. Date(s) of Inspection: May 9, 2022; exit May 20, 2022 | | |
| 6. Inspector(s): Ryan Craffey | | 7. Program Code(s): 04416 | 8. Priority: 5 | 9. Inspection Guidance Used: IP 87124 | |
| 10. Licensee Contact Name(s): Michael Pieroni - RSO | | 11. Licensee E-mail Address: michael.pieroni@intertek.com | | 12. Licensee Telephone Number(s): 224-227-0886 | |
| 13. Inspection Type: <input type="checkbox"/> Routine <input type="checkbox"/> Announced <input checked="" type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced | | 14. Locations Inspected: <input type="checkbox"/> Main Office <input checked="" type="checkbox"/> Field Office <input checked="" type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote | | 15. Next Inspection Date (MM/DD/YYYY): No Change <input type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input checked="" type="checkbox"/> No change | |

16. Scope and Observations:

This was an unannounced field inspection of a civil engineering company authorized to use and store portable moisture density gauges at numerous field offices and temporary job sites in NRC jurisdiction. The scope of this inspection was limited to an evaluation of the safe and secure storage, maintenance and use of licensed material at a field office in Farmington Hills, Michigan. The licensee had twenty gauges at this location (19 Troxler 3400 series, one InstroTek 3500) and forty employees authorized to use them. At the time of the inspection, several of these gauges were stored and used at a long-term job site, the Gordie Howe International Bridge project in Detroit. The licensee designated a site RSO to oversee licensed activities at this location. The licensee's Corporate RSO was based in Arlington Heights, Illinois.

The inspector toured the licensee's field office in Farmington Hills. All areas were adequately posted, and all licensed material was adequately secured or under control and constant surveillance of licensee personnel. Independent and confirmatory surveys in unrestricted areas of the facility were below regulatory limits to members of the public; independent surveys in the vicinity of a number of gauges were consistent with radiation profiles listed in the applicable Sealed Source and Device Registry safety evaluation. All gauges were in good condition, as were all transport cases, which were properly labeled. While at the field office, the inspector also reviewed a selection of utilization logs, physical inventories, leak test results, and dosimetry reports.

The inspector then visited a temporary job site along Woodward Avenue near the intersection with Manchester Street in Detroit to meet with a gauge user based in Farmington Hills. His gauge and transport case were in good condition and properly labeled. Independent surveys in the vicinity of it were also consistent with the aforementioned radiation profiles. The inspector interviewed the gauge user and site RSO (who accompanied the inspector to the job site) to discuss the safe use and transport of gauges, as well as response to emergencies. Both were knowledgeable of radiation protection principles, licensee procedures, and regulatory requirements. The inspector also reviewed the gauge user's shipping papers and emergency response documents, which were readily accessible in the passenger compartment of his vehicle.

No violations of NRC requirements were identified as a result of this inspection. The inspector held an exit meeting with the Corporate RSO by telephone on May 20, 2022.