



Materials Inspection Report

1. Licensee/Location Inspected: Gourdie-Fraser, Inc. 123 West Front Street P.O. Box 927 Traverse City, MI 49684 Report Number(s) 2022-001	2. NRC/Regional Office Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
---	--

3. Docket Number(s) 030-11194	4. License Number(s) 21-16540-01	5. Date(s) of Inspection 09/29/22; exit 10/18/22
---	--	--

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)

Contrary to 10 CFR 71.5(a), as of September 28, 2022, Gourdie-Fraser, Inc. failed to comply with 49 CFR 172.704(c)(2) which requires that hazmat employees receive hazmat training once every three years. As corrective action for this Severity Level IV violation, between September 30 and October 3, 2022, each of the licensee's five hazmat employees completed hazmat training. In addition, the licensee set redundant reminders on a company-wide calendar and on four personal calendars for each hazmat employee to receive this training at least once every three years.

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		Joseph D. Williams, PE <small>Digitally signed by Joseph D. Williams, PE DN: C=US, E=joew@gfa.tc, O=GFA, Inc., CN=Joseph D. Williams, PE Date: 2022.11.04 11:23:18-04'00'</small>
NRC INSPECTOR	Ryan Craffey	 <small>Digitally signed by Ryan J. Craffey Date: 2022.11.03 10:48:32 -04'00'</small>
BRANCH CHIEF	Michael Kunowski	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2022.11.03 10:39:13 -05'00'</small>



Materials Inspection Record

1. Licensee Name: Gourdie-Fraser, Inc.		2. Docket Number(s): 030-11194		3. License Number(s) 21-16540-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: September 28, 2022; exit October 18, 2022		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 03121	8. Priority: 5	9. Inspection Guidance Used: IP 87139	
10. Licensee Contact Name(s): Joe Williams, PE - RSO Marty Alley - Construction Mgr.		11. Licensee E-mail Address: joew@gfa.tc marty@gfa.tc		12. Licensee Telephone Number(s): 231-946-5874 / 231-632-4308 231-313-4860	
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 checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input checked="" type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 09/28/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

Gourdie-Fraser, Inc. is a consulting firm authorized to store portable moisture density gauges at its office in Traverse City, Michigan, and to use them at temporary job sites in NRC jurisdiction for measuring the physical properties of construction materials. At the time of the inspection, the licensee had three Troxler 3400 series gauges, three InstroTek 3500 series gauges, and five individuals (including the RSO) authorized to use them.

The inspector toured the facility in Traverse City. All areas were adequately posted, and all licensed material was adequately secured behind two barriers. The inspector performed independent surveys of the facility; radiation levels were well before regulatory limits to members of the public in unrestricted areas. All gauges in storage and their cases were in good condition and adequately labeled. The inspector met with a gauge user returning from a job site and reviewed his use of measures for safe transport of licensed material. The inspector also reviewed a selection of records including utilization logs, leak tests, dosimetry reports and gauge user training materials.

During a review of these training materials, the inspector identified a repeat SLIV violation of 10 CFR 71.5(a) for failing to provide hazmat training every three years, as required by 49 CFR 172.704(c)(2). Four of licensee's gauge users had last taken training which met these requirements between March 2008 and August 2017, and had all transported gauges more than three years after those dates. The licensee had previously been cited by the NRC in IR 03011194/2017001(DNMS) for the same violation. The root cause of the violation this time was a misunderstanding of regulatory requirements; the licensee mistakenly believed that an annual test which included transportation topics met the requirements for this training. As corrective action, between September 30 and October 3, 2022, each of the licensee's five hazmat employees completed hazmat training. In addition, the licensee set redundant reminders on a company-wide calendar and on four personal calendars for each hazmat employee to receive this training at least once every three years.

Later that day, the inspector visited a temporary job site (a road reconstruction project) on Esch Road at the intersection of M-22 in Empire, Michigan. The authorized user implemented adequate measures for gauge security and transport. The gauge was in good condition; independent surveys in the vicinity of it were consistent with radiation profiles in the applicable SDDR safety evaluation. The authorized user's shipping papers and emergency response information were readily accessible in the passenger compartment of his vehicle, and the Type A case was in good condition and adequately labeled. The inspector discussed the use and transport of licensed material with the user, who was knowledgeable of radiation protection principles and wore personnel dosimetry as assigned, but was unfamiliar with some requirements for transport of hazardous material. This was, however, prior to his completion of hazmat training on October 3, 2022 as part of the licensee's corrective actions.