



## Materials Inspection Report

<b>1. Licensee/Location Inspected:</b>  HNTB Corporation 625 Kenmoor Avenue SE Grand Rapids, MI 49546 Location Inspected: Jackson, MI  Report Number(s) 2023-001	<b>2. NRC/Regional Office</b>  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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<b>3. Docket Number(s)</b> 030-31268	<b>4. License Number(s)</b> 13-23425-01	<b>5. Date(s) of Inspection</b> May 8, 2023
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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. 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	Ryan Craffey	 <small>Digitally signed by Ryan J. Craffey Date: 2023.05.19 17:21:44 -04'00'</small>
BRANCH CHIEF	Rhex Edwards	 <small>Digitally signed by Rhex A. Edwards Date: 2023.06.01 15:22:40 -05'00'</small>



**Materials Inspection Record**

1. Licensee Name: HNTB Corporation	2. Docket Number(s): 030-31268	3. License Number(s) 13-23425-01
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4. Report Number(s): 2023-001	5. Date(s) of Inspection: May 8, 2023
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6. Inspector(s): Ryan Craffey	7. Program Code(s): 03121	8. Priority: 5	9. Inspection Guidance Used: IP 87139
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10. Licensee Contact Name(s): Michael Zylstra - RSO	11. Licensee E-mail Address: mzylstra@hntb.com	12. Licensee Telephone Number(s): 269-221-1678
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13. Inspection Type: <input type="checkbox"/> Initial <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 type="checkbox"/> Main Office <input checked="" type="checkbox"/> Field Office <input 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
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16. Location(s) Inspected List:  
Field Office - 744 West Michigan Avenue, Jackson, MI

17. Scope and Observations:  
HNTB Corporation, an engineering consulting firm, was authorized to use and store portable moisture density gauges containing byproduct material at offices in Grand Rapids, Sterling Heights, and Jackson, Michigan, and to use them at temporary job sites in NRC jurisdiction. The scope of this inspection was limited to a review of the radiation protection program as implemented at the field office in Jackson, which the licensee had added an additional location of use since the last routine inspection. The licensee kept one of its two gauges there for occasional use on local construction projects (the other was kept in Grand Rapids).

The inspector toured the office in Jackson. The facility was adequately posted and matched the description provided by the licensee in its amendment request dated June 3, 2022. The gauge was in a secure storage area at the time of the inspection. The inspector noted that the licensee utilized chains and locks inside this area that were intended to serve as a second physical control for the gauge. However, the keys to these locks were visible and readily accessible upon entry, as they were clipped to a binder on top of the gauge case; therefore the chains and locks did not serve as a tangible barrier. The licensee fortuitously maintained compliance with security requirements as multiple staff were present in the immediate vicinity of the storage area during the inspection. Regardless, the inspector discussed the finding with staff, who subsequently relocated the keys to a different secure storage area.

Independent surveys in all unrestricted areas of the office were below regulatory limits to members of the public. Surveys in the vicinity of the gauge were consistent with radiation profiles in the applicable SDDR safety evaluation. (NC-646-D-130-S). The gauge and its transport case were in good condition and adequately labeled, with complete and accurate utilization logs, shipping papers, and emergency procedures response information available for use. The inspector also reviewed leak tests for the gauge (s/n 33289) back to 2018, and discussed the maintenance of the gauge and response to emergencies with the licensee's RSO (based in Grand Rapids) by telephone.

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

**Materials Inspection Record (Continued)**

Signature and Date - Branch Chief

A handwritten signature in black ink, appearing to be 'R. Edwards', with a long horizontal line extending to the right.

Digitally signed by Rhex A. Edwards  
Date: 2023.06.01 15:22:24 -05'00'