

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Justin Wing Engineering 2043 Marion Court Frederic, MI 49733</p> <p>REPORT NUMBER(S) 2019001</p>	<p>2. NRC/REGIONAL OFFICE</p> <p>Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>	
<p>3. DOCKET NUMBER(S)</p> <p>030-39101</p>	<p>4. LICENSE NUMBER(S)</p> <p>21-35480-01</p>	<p>5. DATE(S) OF INSPECTION</p> <p style="text-align: center; font-size: 1.2em;">May 14<sup>TH</sup> 2019</p>

**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:

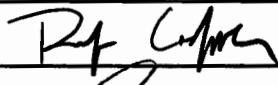
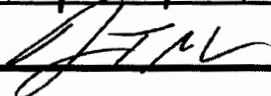
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

\_\_\_\_\_ Non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and 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	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Ryan Craffey		5/14/19
BRANCH CHIEF	Aaron McCraw		05/31/2019

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  All
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  Justin Wing - RSO	4. TELEPHONE NUMBER  (989) 889-5452
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Main Office Inspection                      Next Inspection Date: 05/14/2024  
 Field Office Inspection  
 Temporary Job Site Inspection Fairview Road at State Street, West Branch, MI

**PROGRAM SCOPE**

This was an announced initial inspection of a small civil engineering firm authorized by an NRC Materials License, issued on June 12, 2018, to possess and use portable moisture density gauges at an authorized storage location in Frederic, Michigan, and at temporary job sites in NRC jurisdiction. At the time of the inspection, the company consisted of one employee. The licensee possessed one Instrotek 3500 gauge (received on June 28, 2018) and one Troxler 3400 series gauge (first received in August 2018 as a loaner, and purchased outright in March 2019). The licensee used quarterly dosimetry for occupational and storage area monitoring, possessed a survey meter for additional storage area monitoring and emergency response, and contracted with an authorized service provider in Ohio for leak testing and maintenance of its gauges.

**PERFORMANCE OBSERVATIONS**

The inspector met the licensee's RSO at a temporary job site in West Branch, Michigan, where the licensee had been contracted to perform engineering work (including compaction testing) on a water main and road reconstruction project. The inspector conducted independent and confirmatory surveys of the licensee's Instrotek gauge; readings were consistent with the applicable safety evaluation in the SDR. The inspector noted that the licensee adequately used a minimum of two barriers to secure the gauge, or else maintained control and constant surveillance of it while in use on the job site. The inspector discussed a number of topics with the RSO related to the safe use of licensed material, including transportation of hazardous material, ALARA practices, emergency response, and tracking of periodic requirements. Through these discussions, the inspector found that the RSO was knowledgeable of radiation protection principles and regulatory requirements, implemented adequate ALARA practices, and maintained satisfactory oversight of the radiation safety program. The inspector reviewed photographs taken by the RSO of the authorized storage location, which showed both gauges in posted storage behind at least two barriers with the licensee's survey meter visible to demonstrate compliance with public dose limits. The layout of the facility as seen in these pictures was consistent with the description provided by the licensee in its application. The inspector also reviewed gauge purchase documentation, operating and emergency procedures, shipping papers, leak test records, dosimetry reports, and area survey results. No violations of NRC requirements were identified as a result of this inspection.