

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Wolverine Engineers & Surveyors, Inc. 312 North Street Mason, MI 48854  REPORT NUMBER(S) 2015-001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  030-33406	4. LICENSE NUMBER(S)  21-25970-02	5. DATE(S) OF INSPECTION  07/23/15, with in-office review through 8/13/15	

**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)

Contrary to 10 CFR 71.5(a) and 49 CFR 172.704(c)(2), one of Wolverine Engineers & Surveyors' hazmat employees did not receive the training required by 49 CFR 172 Subpart H at least once every three years.

As corrective action, the hazmat employee completed on-line hazmat refresher training on August 12, 2015. The licensee also committed to revising the method by which it tracks the completion of hazmat refresher training.

**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	Donald B. Heck, P.E.	<i>Donald B. Heck</i>	8/31/15
NRC INSPECTOR	Ryan Craffey	<i>Ryan Craffey</i>	8/24/15
BRANCH CHIEF	Aaron McCraw	<i>Aaron McCraw</i>	8/29/15

**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  Matthew Lothamer - RSO	4. TELEPHONE NUMBER  (517) 490-6939
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Main Office Inspection      Next Inspection Date: 07/23/2020

Field Office Inspection \_\_\_\_\_

Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was an unannounced routine inspection of a civil engineering consulting firm authorized to use and store portable moisture density gauges containing byproduct material at its facility in Mason, Michigan and at temporary job sites within NRC jurisdiction. At the time of the inspection, the licensee had four active authorized users and two Troxler gauges, which the licensee used once or twice per month, year-round.

**PERFORMANCE OBSERVATIONS**

The inspector toured the Mason facility to evaluate the licensee's measures for materials security, hazard communication and exposure control. The inspector conducted independent surveys of this facility with material in storage and found no exposures to members of the public above regulatory limits. The inspector was unable to observe the conduct of licensed activities, as the licensee had no density testing scheduled at the time of the inspection. However, the inspector was able to interview the RSO and another gauge user on a variety of topics including gauge use, transportation and maintenance, emergency response, and leak test collection. The inspector also reviewed a selection of relevant records, including leak test results, dosimetry, and hazmat training.

During a review of additional information not available at the time of the inspection, the inspector identified a violation for the failure to comply with the applicable requirements of the U.S. Department of Transportation (DOT) regulations in 49 CFR 172.704(c)(2) for recurrent hazmat training, as required by 10 CFR 71.5(a). Specifically, one of the licensee's gauge users, a hazmat employee, had not taken hazmat training at least once in the last three years. The gauge user last took the training in March 2011. The inspector determined that the root cause of the violation was an oversight by the licensee. As a contributing factor, the individual who previously tracked the completion of this and other certifications had left the company, essentially leaving individuals to track their own certifications. As corrective action, the hazmat employee completed on-line hazmat refresher training on August 12, 2015. The licensee also committed to revising the method by which it tracks the completion of hazmat refresher training.