

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: U.P. Engineers and Architects, Inc. 100 Portage Street Houghton, MI 49931 REPORT NUMBER(S) 2017001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-18186	4. LICENSE NUMBER(S) 21-20275-01	5. DATE(S) OF INSPECTION June 19, 2017 to July 23, 2017	

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:

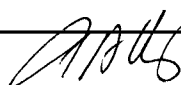

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Luis Nieves Folch		7/28/17
BRANCH CHIEF	Aaron T. McCraw		7/28/17

Docket File Information

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6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS 03.01-03.08
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 3121	2. PRIORITY 5	3. LICENSEE CONTACT Jacob Allen, RSO	4. TELEPHONE NUMBER (906) 396-0957
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- Main Office Inspection Next Inspection Date: June 19, 2022
- Field Office Inspection Iron Mountain and Ishpeming, MI
- Temporary Job Site Inspection Eagles Nest and Marquette, MI

PROGRAM SCOPE

This was an unannounced, routine inspection of a professional engineering firm authorized to use portable moisture density gauges containing byproduct material at locations in Houghton, Iron Mountain, Ishpeming and Sault Ste. Marie, Michigan, and at temporary job sites in NRC jurisdiction. The inspector visited the Iron Mountain and Houghton locations with two additional temporary job sites. At the Iron Mountain location, there were three gauge users and three gauges, and at the Houghton location, there were seven gauge users and three gauges. The licensee possessed 11 gauges total and did not perform any maintenance on the gauges. Maintenance of the gauges was performed by the manufacturer or an authorized service provider.

PERFORMANCE OBSERVATIONS

The inspector visited the offices in Houghton and Iron Mountain to evaluate the licensee's measures for materials security, hazard communication, and exposure control. Independent surveys showed readings at the surface of each gauge consistent with those indicated by the applicable certificate of registration, while readings in publicly accessible areas were below regulatory limits. The inspector visited two job sites (intersection of road 5 and road 577, Eagles Nest, MI and 2283 Center Street, Marquette, MI) where the inspector observed how the licensee maintained two barriers for gauges while not under constant surveillance, blocked and braced the gauges during transport, and placed the shipping papers when the gauge user was not in the vehicle. Through interviews, the inspector determined the gauge users were knowledgeable of radiation safety principles and procedures. The inspector reviewed a selection of documents, including leak tests, hazmat training, and utilization logs that were up to date.

During the last inspection, two violations were identified for failure to (1) lock the gauge container while in transport, and (2) block and brace the gauge container while in transport. The licensee completed corrective action as described. The inspector reviewed the corrective actions by observing how the licensee secured its gauges while in transport. Both violations are closed.

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

Nieves Folch, Luis

From: Nieves Folch, Luis
Sent: Friday, July 28, 2017 3:54 PM
To: 'Jake Allen'
Subject: NRC Clear 591M
Attachments: image2017-07-28-165020.pdf

Dear Mr. Allen,

Attach is the clear 591 report for the inspection conducted on July 19-23, 2017, no further actions are required at this moment on your part.

In accordance with Title 10 of the Code of Federal Regulations 2.390 of the NRC's "Rules of Practice," a copy of this message will be available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

Please feel free to contact me if you have any questions regarding this correspondence.

Thank you,

Luis Nieves
Health Physicist
U.S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
(630) 829-9571