

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Missouri Department of Transportation 105 West Capital Avenue P.O. Box 270 Jefferson City, MO 65102  REPORT NUMBER(S) 2018001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  030-18363	4. LICENSE NUMBER(S)  24-20415-01	5. DATE(S) OF INSPECTION  4/16/2018 to 5/21/2018	

**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:

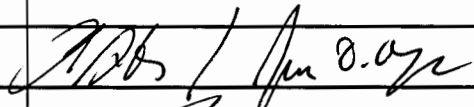

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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 / Jason Draper		5/31/2018
BRANCH CHIEF	Aaron T. McCraw		5/31/18

**Docket File Information**  
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6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  03.01-03.07		

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  Lydia Brownell- RSO	4. TELEPHONE NUMBER  (573) 526-4628
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- Main Office Inspection                      Next Inspection Date: April 16, 2023
- Field Office Inspection    Troy, Maryland Heights, and Chesterfield MO
- Temporary Job Site Inspection    I-70 and State Highway MM, Warrenton, MO

**PROGRAM SCOPE**

This was an unannounced, routine inspection of a portable nuclear gauge licensee that employed 618 gauge users and possessed 86 portable moisture density and asphalt content gauges. The licensee had at the time of the inspection 31 field offices where they stored the gauges in a locked cabinet in a locked building when not in use. The licensee did not perform any service or maintenance activities on its gauges; these services were performed by the manufacturer. Since the last inspection, the licensee transferred 23 gauges to other authorized licensees. The licensee's material usage at the main location is limited to performed leak tests, asphalt content measurements and storage of gauges for disposal.

**Performance Observations**

At the time of this inspection, the inspectors visited three field offices, the main office, and one temporary job site. At the field offices, the the licensee demonstrated how they use the gauge, use ALARA practices in the field, and secure the gauge during transport. The licensee had the required shipping papers that contained all appropriate information and demonstrated how they are made accessible in the transport vehicle. The operators demonstrated an adequate level of understanding of emergency and handling procedures during interviews.

At the main office the licensee demonstrated how they performed asphalt content testing. The inspectors reviewed annual audits, leak tests, hazmat training, inventory, usage logs, and documentation kept for the transfer of gauges to other licensees.

At the temporary job site, the inspectors observed how the licensee secured the gauge in the truck when not under direct surveillance and how the gauge was used.

No violations of significance were identified during this inspection.

**Nieves Folch, Luis**

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**From:** Nieves Folch, Luis  
**Sent:** Thursday, May 31, 2018 11:56 AM  
**To:** 'Lydia B. Brownell'  
**Subject:** NRC clear 591 report  
**Attachments:** SKM\_C45818053110490.pdf

Dear Mrs. Brownell,

Attach is the clear 591 report for the inspection conducted on April 16, 2018, no further actions are required 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  
Office: (630) 829-9571  
Fax: (630) 515-1259