

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED: Horner & Shifrin 4061 Highway PP Suite 1 Poplar Bluff, MO 63901 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) 030-38723	4. LICENSE NUMBER(S) 24-26673-02	5. DATE(S) OF INSPECTION May 13, 2015	

**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:

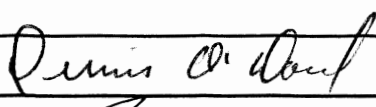
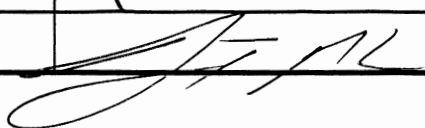
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Dennis O'Dowd		5/13/15
BRANCH CHIEF	Aaron T. McCraw		6/3/15

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

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  John P. Burgelin, RSO	4. TELEPHONE NUMBER  (573) 727-9666
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Main Office Inspection      Next Inspection Date: 05/13/2020

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

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

**PROGRAM SCOPE**

This was an initial inspection of the licensee. The licensee is a small local office (employing seven individuals) of a construction engineering firm that employs about 100 people, with their main office in St. Louis, MO. The licensee possesses one Humboldt Scientific Model HS-5001EZ moisture-density gauge for use for soils engineering projects. The gauge has been used 30 to 50 times since the time the license was issued. The licensee does not perform any service or maintenance activities the gauge; these services are performed by a company authorized to conduct these activities or by the manufacturer. The licensee employs one gauge user who also serves as the RSO. The gauge is stored in a locked cabinet in the licensee's office in Poplar Bluff, Missouri.

**Performance Observations**

The inspector observed that there was one lock securing the gauge storage closet at the licensee's facility, and that the gauge was kept in its locked transport case, which was tethered to a cable, and locked in a manner that met the requirements of 10 CFR 30.34(i). The inspector also performed radiation surveys on contact with, and at a meter away, from the gauge in its case, which indicated radiation levels expected for the type and quantity of material possessed. Interviews of with the sole authorized user/RSO indicated an adequate level of knowledge of radiation safety, gauge handling techniques, and emergency procedures. The inspector also reviewed select records, and confirmed that annual radiation exposures were well below 10% of the occupational limit, that periodic inventories and leak testing of sealed sources were conducted as required, that daily utilization logs were maintained, and that the licensee had access to a survey instrument. The authorized user/RSO had obtained initial hazardous material transportation training, as required.

The licensee demonstrated the transport of the gauge. The inspector observed that the operator possessed required shipping papers that contained all appropriate information, and demonstrated that shipping papers were accessible in the transport vehicle. The licensee demonstrated the manner in which the gauge in its case was locked and chained in the rear of the vehicle during transport. Security during transport and at the job-site was described with no problems noted.

No violations of NRC requirements were identified during the inspection.