

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

Hurst-Rosche, Inc.  
1400 East Tremont Street  
Hillsboro, IL

REPORT NUMBER(S) 2017-001

2. NRC/REGIONAL OFFICE

Region III  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

030-32885

4. LICENSE NUMBER(S)

12-18781-02

5. DATE(S) OF INSPECTION

5/31/17

**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 Title 10 of the Code of Federal Regulations (10 CFR) Section 30.36(d)(3), as of May 31, 2017, the licensee did not provide written notification when no principal activities under the license have been conducted for a period of 24 months. Specifically, the licensee last conducted principal activities under the license on October 17, 2011.

This is a Severity Level IV violation (Section 6.9).

As corrective action, the licensee sent the required notification dated June 5, 2017. In addition, the licensee

**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	Michael Emken	<i>Michael E. Emken</i>	6/16/17
NRC INSPECTOR	Robert G. Gattone, Jr.	<i>Robert G. Gattone, Jr.</i>	6/14/17
BRANCH CHIEF	Aaron T. McCraw	<i>[Signature]</i>	6/15/17

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(Continued)

committed to use a reminder system to ensure future compliance with 10 CFR 30.36(d) as part of the licensee's annual audit of the radiation protection program.

**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  Mike Emken, RSO	4. TELEPHONE NUMBER  (217) 532-3959
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Main Office Inspection      Next Inspection Date: 05/31/2022

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

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

**PROGRAM SCOPE**

This was a routine inspection of a portable gauge licensee. The licensee had six authorized portable gauges at its Hillsboro, IL facility. There were about six authorized users; however, the RSO was the only authorized user at the facility during the inspection. No licensed activities were conducted during the onsite inspection. In fact, the licensee had not conducted principal activities since October 17, 2011, and the licensee did not notify the NRC as required by 10 CFR 30.36(d)(3) because the RSO was unaware of the requirement.

**Performance Observations**

The inspector: (1) observed that selected gauges were stored with the cesium-137 source rod locked in the shielded position; (2) used an NRC-owned, calibrated survey instrument to measure a maximum of 7 milliRoentgen/hour at the surface of the source shutters of two selected gauges; (3) observed that required postings were visible; (4) observed the RSO demonstrate how he had used a portable gauge at temporary job sites which included, in part, use of a template to line up the source rod, standing 6 feet away from the gauge while it is in use, and maintaining constant surveillance of the gauge; (5) observed the RSO demonstrate how he would respond to an emergency response scenario posed by the inspector involving a back hoe approaching the gauge; (6) observed the RSO demonstrate how gauges were secured in an open bed truck which included the use of chains and locks to comply with 10 CFR 30.34(i); (7) reviewed the licensee's annual radiation protection program audit records for 2011 through 2016; (8) noted that the licensee had no survey instruments at the facility; however, it had an arrangement with R.M. Wester and Associates, Inc. who would respond to the licensee's emergencies involving licensed material; (9) reviewed dosimetry records for 2011 through March 31, 2017, and the highest, annual whole body dose was 38 millirem; (10) reviewed selected gauge inventory records; (11) reviewed selected leak test records that were analyzed by Troxler; (12) noted that the licensee does not open or remove gauge sources; (13) noted that non-routine maintenance was done by Troxler; and (14) noted that gauge disposal would be transfer to Troxler.