

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>TUV Rheinland Industrial Solutions, Inc. 100 Industrial Blvd, Aliquippa, PA 15001 Locations inspected: 8181 Broadmoor, Caledonia, MI 71 E. Saginaw Road, Sanford, MI</p> <p>REPORT NUMBER(S) 2016-001</p>	<p>2. NRC/REGIONAL OFFICE</p> <p>Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>
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<p>3. DOCKET NUMBER(S)</p> <p>030-38685</p>	<p>4. LICENSE NUMBER(S)</p> <p>37-32340-02</p>	<p>5. DATE(S) OF INSPECTION</p> <p>May 24-25 &amp; June 22, 2016 In-office review until 7/5/2016</p>
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**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	Edward F. Harvey		7/11/16
BRANCH CHIEF	Aaron T. McCraw	 for ATM	7/11/16

**Docket File Information****SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

TUV Rheinland Industrial Solutions, Inc.  
100 Industrial Blvd, Aliquippa, PA 15001  
Locations inspected: 8181 Broadmoor, Caledonia, MI  
71 E. Saginaw Road, Sanford, MI

REPORT NUMBER(S) 2016-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-38685

4. LICENSE NUMBER(S)

37-32340-02

5. DATE(S) OF INSPECTION

May 24-25 & June 22, 2016  
In-office review until 7/5/2016

6. INSPECTION PROCEDURES USED

87121

7. INSPECTION FOCUS AREAS

3.01-3.07

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)

03320

2. PRIORITY

1

3. LICENSEE CONTACT

Christopher M. Dugan - RSO

4. TELEPHONE NUMBER

(724) 378-3900

- Main Office Inspection      Next Inspection Date: May 24, 2017
- Field Office Inspection    Caledonia, MI & Sanford, MI
- Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was a routine, unannounced inspection of a non-destructive testing company authorized to possess sealed sources for industrial radiography at its field offices in Caledonia and Sanford, MI; as well as temporary job sites within NRC jurisdiction. The in-office review consisted of evaluation of information that was not available during the on-site inspection. At the time of the inspection, the licensee employed 4 radiographers and 2 radiographer's assistants who performed approximately 20-30 calls for radiography at a various job sites throughout Michigan. The licensee's RSO was based in Aliquippa, Pennsylvania, but routinely visited the Caledonia and Sanford offices.

The inspector toured the Caledonia and Sanford facilities to conduct independent surveys in restricted and unrestricted areas. The inspector found no readings that would indicate exposures to members of the public in excess of regulatory limits. The inspector was unable to observe the conduct of radiographic operations, as none were available on the days of the inspection. Instead, the licensee's staff conducted demonstrations of these operations, including equipment checks, transportation of hazardous material, restricted area setup at temporary job sites, survey meter and dosimetry use, and emergency response. The inspector found the licensee's staff to be knowledgeable of radiation protection principles and licensee procedures, and noted that a selection of their dosimetry and survey meters to be calibrated and operable.

The inspector reviewed records of leak tests, source exchanges, weekly inventories, quarterly maintenance, and training completion with no issues noted. Review of the personnel dosimetry records indicated that the highest dose for 2015 was 389 millirem.

No violations were identified during this inspection.

**From:** Harvey, Edward  
**To:** "Chris Dugan"  
**Subject:** Inspection Report  
**Date:** Monday, July 11, 2016 3:22:00 PM  
**Attachments:** TUV 591M.pdf

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Good afternoon Chris,

Attached is the NRC inspection report for the routine inspection of TUV Rheinland Industrial Solutions, Inc. performed on May 24-25 & June 22, 2016 with in-office review through July 5, 2016. Please let me know if you have any questions or concerns.

Thank you,

Ed Harvey  
Health Physicist  
U.S. Nuclear Regulatory Commission  
Division of Nuclear Materials Safety  
(630) 829-9819