

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

TUV Rheinland Industrial Solutions, Inc.  
100 Industrial Boulevard  
Aliquippa, PA 15001  
Location inspected: Caledonia, Michigan

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)

030-38685

## 4. LICENSE NUMBER(S)

37-32340-02

## 5. DATE(S) OF INSPECTION

April 23 and 30, 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.

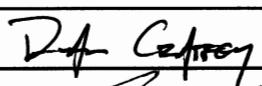
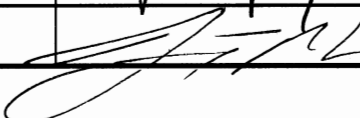
Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 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             | Ryan Craffey |  | 5/5/15 |
| BRANCH CHIEF              | Aaron McCraw |  | 5/6/15 |

**Docket File Information**

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6. INSPECTION PROCEDURES USED

87121

7. INSPECTION FOCUS AREAS

All

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)

03320

2. PRIORITY

1

3. LICENSEE CONTACT

Christopher Dugan - RSO

4. TELEPHONE NUMBER

(724) 378-3900

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Main Office Inspection

Next Inspection Date:

04/23/2016

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Field Office Inspection 8181 Broadmoor S.E., Caledonia, MI

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Temporary Job Site Inspection

**PROGRAM SCOPE**

This was an unannounced routine inspection of an industrial services company authorized to store and use radioactive material for industrial radiography at its field office in Caledonia, Michigan, and at temporary job sites within NRC jurisdiction. At the time of the inspection, two radiographers and six assistants were stationed at the Caledonia facility, fulfilling approximately 10-20 calls monthly for weld inspections at a variety of job sites throughout Michigan. The licensee's RSO was based in Aliquippa, Pennsylvania, but routinely visited the Caledonia office.

**PERFORMANCE OBSERVATIONS**

The inspector toured the Caledonia facility to evaluate the licensee's measures for hazard communication and exposure control, and to conduct independent surveys in restricted and unrestricted areas. The inspector found no 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 also reviewed a selection of safety-related records, including radiographer audits and training, utilization logs, quarterly equipment inspections, leak test results, instrumentation calibrations, program audits, and dosimetry, which indicated a maximum annual whole-body exposure of 368 millirem in 2014, and 102 millirem in 2015 through March 31.

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