

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

**1. LICENSEE/LOCATION INSPECTED:**

Allied Inspection Services, Inc.  
P.O. Box 268  
St. Clair, Michigan 48079

**2. NRC/REGIONAL OFFICE**

Region III  
2443 Warrenville Rd.  
Lisle, IL 60532

REPORT NUMBER(S) 2014-001 and 2011-002

**3. DOCKET NUMBER(S)**  
030-15055

**4. LICENSEE NUMBER(S)**  
21-18428-01

**5. DATE(S) OF INSPECTION**  
September 13+14, 2011

**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, NUREG-1600, 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. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11  
*10 CFR 20.1101(c) requires the licensee to conduct an annual program review. The licensee has not conducted an annual program review for 2009 & 2010. The licensee will use Appendix I from NUREG-1550, Vol 2 to document annual review.*

**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	THOMAS D. GRASHAW	<i>Th D G</i>	9/14/2011
NRC INSPECTOR	Kathy Dolce Modes, Sr. Health Physicist	<i>Kathy Modes</i>	9-14-11
Branch Chief	Tamara E. Bloomer, Chief	<i>T E Bloomer</i>	9/21/11

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

<b>1. LICENSEE</b> Allied Inspection Services, Inc. P.O. Box 268 St. Clair, Michigan 48079  <b>REPORT NUMBER(S)</b> 2011-001	<b>2. NRC/REGIONAL OFFICE</b> Region III 2443 Warrenville Rd. Lisle, IL 60532
---	--

<b>3. DOCKET NUMBER(S)</b>  030-15055	<b>4. LICENSE NUMBER(S)</b>  21-18428-01	<b>5. DATE(S) OF INSPECTION</b>  September 13-14, 2011
---	--	--

<b>6. INSPECTION PROCEDURES</b>  87121	<b>7. INSPECTION FOCUS AREAS</b>  03.01-03.07
--	---

**SUPPLEMENTAL INSPECTION INFORMATION**

<b>1. PROGRAM</b>  03320	<b>2. PRIORITY</b>  1	<b>3. LICENSEE CONTACT</b>  Thomas "Don" Grshaw, President/Owner	<b>4. TELEPHONE NUMBER</b>  Work: 810-329-6697 Cell: 810-650-5007
--------------------------------	-----------------------------	--	--

- ◀ Main Office Inspection                      Next Inspection Date: September 2012
- Field Office Inspection \_\_\_\_\_
- ◀ Temporary Job Site Inspection    Marysville Gas Liquid, 2510 Busha Highway, Marysville, Michigan

**PROGRAM SCOPE**

Two radiographers and an assistant conducted radiography at a temporary job site in Michigan, as authorized. An Amersham Model 660B radiographic exposure device (Serial No. B3028) was used to radiograph a six inch diameter pipe weld at a remote location at the temporary job site.

The licensee conducted radiography approximately 150 times in 2010 and 119 times in 2011 (as of September 14, 2011). All radiography is conducted in Michigan. The licensee maintains two Amersham Model 660B radiography exposure devices.

**Performance Observations**

2011-001: The inspector observed: (1) the storage facility was authorized; (2) the cabinet containing a radiographic exposure device yielded a maximum of 0.5 millirem per hour at 30 centimeters from the cabinet surface based on the inspector's measurement with a calibrated NRC survey instrument (Ludlum Model 3, Serial No. 11409, calibrated 7/6/11); (3) the license posted an NRC Form 3 as required; (4) the RSO easily retrieved the shipping papers from the driver's side door (previous violation closed); (5) the shipping papers contained the correct information; (6) the RSO explained what steps he would take in the event of a traffic accident involving the dark room truck carrying the exposure device; (7) that the surface of the radiographic exposure device yielded a maximum of 30 millirem per hour based on the inspectors measurement with a calibrated NRC survey instrument; (8) the use of calibrated an operational NDS Model ND-20000 survey meters; (9) the use of approved dosimetry by all radiography personnel; (10) the proper survey after the shot by the lead radiographer to ensure that the source returned to the safe shielded position; (11) the lead radiographer demonstrated how he checked the battery and operation of the alarming ratemeter (i.e., observed red light and heard audible alarm); (12) the RSO demonstrated that he conducts six month observations of radiography personnel performance (previous violation closed); (13) each radiography exposure device has a durable, legible, clearly visible label bearing the licensee's telephone number (previous violation closed); (14) the second radiographic exposure device (Serial No. B2790) is in storage and contains a very low activity source; and (15) the RSO explained how he uses FedEx to transport returned sources back to the manufacturer.

Landaure dosimetry records showed that the maximum whole body doses for 2010 and 2011 (through 8/24/2011) were 1450 millirem and , 413 millirem respectively. Leak tests for Ir-192 and depleted uranium are conducted every six months by the manufacturer. Based on the 2010 and 2011 records, no sources or depleted uranium is considered leaking.

All previous violations have been closed, as described above. The RSO has been diligent in keeping records, but he did not conduct an annual program review in accordance with 10 CFR 20.1101(c). This is an apparent violation. The RSO will use Appendix I from NUREG-1556, Volume 2 to document an annual program review and will repeat annually.

No other safety concerns or violations were identified.