

ENCLOSURE 6 - INSPECTION RECORD

Region: III

Inspection Report No. 2016001

License No. 13-32808-01

Docket No. 030-38354

Licensee: Testing & Inspection Services Inc.
402 E. 13 Street
Jasper, IN 47546

Locations Inspected: 402 E. 13 Street
Jasper, IN 47546

Licensee Contact: Kenneth David Key, Sr., Radiation Safety Officer Telephone No. 812-848-2056

Program Code: 03121

Priority: 5

Type of Inspection: () Initial (X) Routine () Announced
() Special (X) Unannounced

Last Inspection Date: 7/28/2011

Date of This Inspection: 6/16/2016

Next Inspection Date: 6/16/2021

(X) Normal () Reduced

Summary of Findings and Actions:

- () No violations cited, clear U.S. Nuclear Regulatory Commission (NRC) Form 591 or regional letter issued
- () Non-cited violations (NCVs)
- () Violation(s), Form 591 issued
- (X) Violation(s), regional letter issued
- () Follow-up on previous violations

Inspector: Luis Nieves, Health Physicist

/RA/

Signature

Date 8/22/2016

Approved Aaron T. McCraw, Chief, MIB

/RA/

Signature

Date 8/22/2016

PART I - LICENSE, INSPECTION, INCIDENT/EVENT AND ENFORCEMENT HISTORY

1. AMENDMENTS AND PROGRAM CHANGES SINCE LAST INSPECTION:

<u>AMENDMENT #</u>	<u>DATE</u>	<u>SUBJECT</u>
1	October 7, 2015	Changed address to a new location to store the material.

2. INSPECTION AND ENFORCEMENT HISTORY:

The last inspection of this licensee was on July 28, 2011. This was the initial inspection of this licensee. No violations of U.S. Nuclear Regulatory Commission (NRC) requirements were identified.

3. INCIDENT/EVENT HISTORY:

No open items or events since the last routine inspection.

PART II - INSPECTION DOCUMENTATION

1. ORGANIZATION AND SCOPE OF PROGRAM:

Testing & Inspection Services Inc. is authorized under NRC Materials License No. 13-32808-01 to use licensed material for measuring physical properties of materials with nuclear gauging devices. Licensed material is authorized to be used anywhere in the United States in areas of NRC jurisdiction. The licensee uses the gauge on a daily basis for construction engineering projects throughout the Indiana area. The licensee uses one Seaman C-300 portable gauge containing a radium-226 source.

2. SCOPE OF INSPECTION:

Inspection Procedure(s) Used: 87124

Focus Areas Evaluated: All

The inspector toured the licensee's main office to evaluate the licensee's measures for material security, hazard communication, and exposure control. The inspector was unable to observe the conduct of any licensed activities because the gauge was not being used in the field. The licensee demonstrated gauge transportation practices and use of licensed material while at the main office.

Through interviews with the Radiation Safety Officer (RSO) and several gauge users, the inspector found that the licensee's staff was knowledgeable and conscientious of radiation protection principles and licensee procedures for use, storage, and transportation of portable gauges. The inspector also witnessed demonstrations by the staff of leak test collection and emergency response.

The inspector reviewed a selection of licensee records for inventories, leak tests, use logs, non-routine maintenance, audits, and public dose assessment. The inspector also reviewed the licensee's training materials and shipping papers.

3. INDEPENDENT AND CONFIRMATORY MEASUREMENTS:

Using a Ludlum 2403 survey meter with a model 44-38 energy-compensated GM detector calibrated on April 20, 2016, the inspector conducted independent surveys at the location inspected. The inspector found no readings which would indicate exposures to members of the public in excess of regulatory limits.

4. VIOLATIONS, NCVs, AND OTHER SAFETY ISSUES:

On June 16, 2016, the inspector identified three violations: (1) the inspector identified that the licensee failed to perform leak tests from January 2012 to November 2013 and November 2013 to August 2015, on their Seaman C-300 density moisture gauge, as required by License Condition 13.A. of the license. The licensee was not aware of the frequency of the leak test provided by the Registry of Radioactive Sealed Sources and Devices Safety Evaluation Seal of Devices which states the leak test frequency is 6 months. The licensee was under the impression that the frequency was every 12 months.

(2) From August 3, 2015 to October 7, 2015, the licensee did not confine his possession and use of the byproduct material to the locations and purposes authorized in the license, as required by Title 10 of the *Code of Federal Regulations* (CFR) 30.34(c). Specifically, the licensee moved to 402 E. 13th Street, Jasper, IN 47546 prior to sending an amendment to change locations in their license. The licensee stated that the reason for moving was that they purchased a new building of their own.

(3) The licensee did not periodically (at least annually) review the radiation protection program content and implementation as required by 10 CFR 20.1101(c). The licensee was not aware of the requirement.

5. PERSONNEL CONTACTED:

Nathan Waggner – Site Radiation Safety Officer
And other licensee staff

Attended exit meeting on July 27, 2016.