



## **PART I – LICENSE, INSPECTION, INCIDENT/EVENT AND ENFORCEMENT HISTORY**

### 1. AMENDMENTS AND PROGRAM CHANGES SINCE LAST INSPECTION:

No license amendments or program changes since last inspection.

### 2. INSPECTION AND ENFORCEMENT HISTORY:

The last inspection of this licensee was on 10/05/2016. No violations of 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:

Mid American Inspection Services, Inc. is a non-destructive testing company authorized under NRC Materials License No. 21-26060-01 to use licensed byproduct material for industrial radiography at its main office in Gaylord, Michigan, and at temporary job sites within NRC jurisdiction. At the time of the inspection, the licensee employed approximately 12 radiographers and possessed 7 radiographic exposure devices containing iridium-192 (Ir-192) that were used on a daily basis at various temporary job sites.

### 2. SCOPE OF INSPECTION:

Inspection Procedure(s) Used: 87121

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 reviewed aspects of the licensee's radiation protection program, which included the security of licensed material, field audits of the radiographer and assistant, radiation worker training, survey instrument calibration, leak testing of sealed sources, labeling of containers, and postings.

The inspector visited a radiography crew at a temporary jobsite. However, all radiographic exposures had been completed for the day. The inspector observed the radiographers demonstrate equipment checks, barrier setup for temporary job sites, and survey meter use. The inspector found the licensee's staff to be knowledgeable of radiation protection principles and licensee procedures and noted that their dosimetry and survey instruments were calibrated and operable. In addition, the inspector reviewed the radiographers' use log and noted that all of the required information was recorded.

The inspector reviewed a selection of licensee records for inventories, leak tests, use logs, quarterly maintenance, field audits, and training with no issues noted. A review of

personnel dosimetry records indicated that the highest whole body annual dose recorded since the last inspection was 2,014 millirem.

3. INDEPENDENT AND CONFIRMATORY MEASUREMENTS:

The inspector conducted independent surveys at each of the locations inspected. The inspector found no readings that would indicate residual contamination or exposures to members of the public in excess of regulatory limits.

4. VIOLATIONS, NCVs, AND OTHER SAFETY ISSUES:

One Severity Level IV violation of NRC requirements was identified during this inspection. The violation was of a security-related nature. Details of the violation are available in the non-public Security Addendum to this inspection report.

5. PERSONNEL CONTACTED:

# Terry Wilkins, RSO

# Participated in exit meeting on December 18, 2017.

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