



**Docket File Information**

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  American Engineering Testing, Inc. 550 Cleveland Avenue North St. Paul, Minnesota  REPORT NUMBER(S) 2017-001	2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S)  030-34637	4. LICENSE NUMBER(S)  22-20271-02	5. DATE(S) OF INSPECTION  7/11,12/17, in-office review through 7/18/17
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6. INSPECTION PROCEDURES USED  87121	7. INSPECTION FOCUS AREAS  02.01 through 02.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03320	2. PRIORITY  1	3. LICENSEE CONTACT  Greg Owens, RSO	4. TELEPHONE NUMBER  (715) 573-0099
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Main Office Inspection      Next Inspection Date: 07/11/2018

Field Office Inspection \_\_\_\_\_

Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was a routine, unannounced inspection of an industrial radiography licensee authorized to conduct radiographic operations at temporary job sites in NRC jurisdiction. The licensee had 2 authorized field stations in South Dakota and Indiana.

**Performance Observations**

The inspector: (1) noted that the licensee had an assistant radiation safety officer; (2) noted that the radiation safety officer (RSO) was as authorized; (3) noted that the licensee has a pending license amendment request to replace the individual serving as the RSO; (4) noted that there were no licensed activities near the inspection location during the onsite inspection; (5) noted that there were no incidents involving licensed material in the last 2 years; (6) noted that the licensee did not use a single device that served as a direct reading dosimeter (DRD) and an alarm ratemeter; (7) noted that the licensee complied with the 2 persons rule (i.e., 10 CFR 34.41(a)); (8) reviewed selected utilization logs for the South Dakota field station, including, in part, the model number of a camera that was authorized; (9) noted that the licensee conducted misconnect tests daily; (10) reviewed selected records of the licensee's audits of the job performance of radiographers and radiographer's assistants per 10 CFR 34.43(e); (11) reviewed the licensee's annual ALARA audit record dated 2/22/17; (12) reviewed dosimeter badge records and noted that the annual highest whole body dose to an occupational worker for 2016 and 2017 (through 5/31) was 1472 millirem; (13) reviewed selected records that formed the bases for the licensee to designate individuals as radiographers and radiographer's assistants; (14) reviewed selected leak test records; (15) observed a radiographer who was approved for stuck source retrievals demonstrate how he would respond to a stuck source scenario involving a crimped guide tube posed by the inspector, which involved, in part, obtaining necessary information, source retrieval planning, radiation surveys, frequent DRD readings, use of lead shot in bags, a lead tunnel brick, ball peen hammer, extra extremity dosimeter badges, extra whole body dosimeter badges, a high reading DRD, alarming ratemeter, binoculars, and an electric hand saw; and (16) noted that a radiographer who worked in South Dakota used a calibrated survey instrument and a calibrated alarming ratemeter.

*GW for ATM  
7/24/17*

No violations of NRC requirements were identified during this inspection.