

(07-2012)  
10 CFR 2.201

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

American Engineering Testing, Inc.  
550 Cleveland Avenue North  
St. Paul, MN 55114  
Location inspected: Gary, IN

REPORT NUMBER(S) 2018001

## 2 NRC/REGIONAL OFFICE

Region III  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

## 3. DOCKET NUMBER(S)

030-34637

## 4 LICENSE NUMBER(S)

22-20271-02

## 5. DATE(S) OF INSPECTION

07/02/18, with in-office review  
through 07/17/18

## 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 violations(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	<i>R. Craffey</i>	07/25/2018
BRANCH CHIEF	Aaron McCraw	<i>AMC</i> for ATM	8/2/18

**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

Justin Rost - RSO

4. TELEPHONE NUMBER

(320) 224-0303

☐ Main Office Inspection      Next Inspection Date: 07/02/2019  
☒ Field Office Inspection    86 North Bridge Street, Gary, IN  
☐ Temporary Job Site Inspection

**PROGRAM SCOPE**

This was an unannounced routine inspection of a non-destructive testing company authorized to use radioactive material for industrial radiography at field stations in Beresford, South Dakota and Gary, Indiana, and at temporary job sites throughout NRC jurisdiction. At the time of the inspection, the licensee stationed one crew in Gary, and two crews in Beresford. The crew in Gary performed radiographic testing on bridge components on the premises of Industrial Steel Construction, starting between 4:30 pm and 6:00 pm daily. The Beresford crews performed mostly call-out work and occasional testing on shop premises. The licensee's RSO was based at the company's main office in St. Paul, Minnesota.

**PERFORMANCE OBSERVATIONS**

The inspector observed the conduct of radiographic operations by the licensee's crew at ISC in Gary. The crew routinely worked evenings at the site to minimize the potential for exposure to members of the public, as the facility was heavily staffed during the day. The inspector noted the satisfactory set-up and control of various restricted area boundaries during these operations, as supported by independent and confirmatory surveys. The inspector also noted adequate compliance with physical presence requirements for radiographic operations. Through interviews, the inspector found that the radiographer and his assistant were knowledgeable of radiation protection principles, licensee procedures and regulatory requirements, and that their dosimetry and survey instruments were calibrated, operable, and properly utilized. The radiographic exposure device they utilized, a QSA 880D, was likewise in good condition and properly labeled. While at this location of use, the inspector reviewed a selection of records, including documentation of sealed source and DU leak tests, quarterly equipment maintenance, radiographer audits and refresher training, facility audits, and personnel dosimetry, which reported maximum whole-body exposures of 1,891 millirem in 2017 and 413 millirem in 2018 through May 31. During the period of in-office review, the inspector interviewed the licensee's RSO to discuss the licensee's oversight of the program, and reviewed a selection of additional records not available during the on-site inspection, including radiographer and facility audits for the Beresford location.

GW for  
ATM

No violations of NRC requirements were identified as a result of this inspection. The inspector conducted an exit meeting with the RSO via telephone on July 25, 2018. 8/2/18