

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: AI Engineers, Inc. 919 Middle Street Middletown, CT 06457 REPORT NUMBER(S) 2018001	2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region I, 2100 Renaissance Blvd, Suite 100 King of Prussia, Pennsylvania 19406-2713	
3. DOCKET NUMBER(S) 03038307	4. LICENSE NUMBER(S) 06-31413-01	5. DATE(S) OF INSPECTION 4/9/2018, 4/11/2018 & 5/23/18

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 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, to exercise discretion, were satisfied.


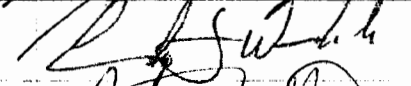
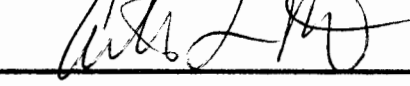
Non-cited violation(s) were discussed involving the following requirement(s) and corrective action(s):

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 the 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)

See continuation form.

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	Piya Hawkes - RSO		5/29/18
NRC INSPECTOR	Leonardo Wardrobe		5/23/2018
BRANCH CHIEF	Arthur Burritt		5/31/18

SUNSI Review Completed By: / RA / L Wardrobe

Public Non-Sensitive

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(Continued)

1. License Condition 14 of NRC License 06-31413-01, requires, in part, that sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months.

Contrary to the above, AI Engineers, Inc. failed to test a sealed source for leakage and/or contamination at intervals not to exceed six months. Specifically, a portable gauge containing a sealed source of radium-226, was tested for leakage on November 10, 2016 and on May 23, 2017, an interval greater than six months and the portable gauge had been used on May 16, 2017.

This is a Severity Level IV Violation (Enforcement Policy 6.7.d). This is a repeat violation.

The licensee's Radiation Safety Officer (RSO) committed to placing a reminder on his outlook calendar and the outlook calendar of his portable gauge supervisor that will notify them at least one week prior to the expiration of the sealed source leak test. Also, the licensee committed to reminding all the authorized users to verify the validity of the sealed source leak test prior to using the portable gauge.

2. License Condition 19 of NRC License 06-31413-01, states in part, that except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures listed below.

In the license application dated June 18, 2010, Section 10.7, states that the operating and emergency procedures will be developed, implemented, and maintained, and will meet the criteria in the section entitled 'Radiation Safety Program – Operating and Emergency Procedures' in NUREG-1556, Vol. 1, Rev. 1 'Consolidated Guidance about Materials License: Program-Specific Guidance about Portable Gauge Licenses,' dated November 2001. Specifically, the licensee failed to sign out the gauge in a log book (that remains at the storage location) including the date(s) of use, name(s) of the authorized users who were responsible for the gauge, and the temporary job site(s) where the gauge was used.

Contrary to the above, between September 4, 2015 and April 9, 2018 the license stored a portable gauge at a temporary field site located at 25 Surf Avenue, Stratford, CT and the licensee failed to sign out the gauge in a log book (that remains at the storage location) including the date(s) of use, name(s) of the authorized users who will be responsible for the gauge, and the temporary job site(s) where the gauge will be used.

This is a Severity Level IV Violation (Enforcement Policy 6.3.d).

The licensee has committed to having a user log for the portable gauge stored at the temporary field site that includes the date(s) of use, name(s) of the authorized users who will be responsible for the gauge, and the temporary job site(s) where the gauge will be used. The RSO will also review the user log during his onsite safety audits to ensure the use and completion of the user log.