

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Anderson Engineering, Inc. 2045 W. Woodland St. Springfield, MO 65807  REPORT NUMBER(S) 2017001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  030-17919	4. LICENSE NUMBER(S)  24-20063-01	5. DATE(S) OF INSPECTION  2/6/17-3/7/17	

**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):

- 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)

Contrary to 10 CFR 30.34(c) and License Condition 10, for approximately 4 months prior to February 6, 2017, the licensee failed to confine its possession and use of byproduct material to the locations authorized by the license. Specifically, the licensee possessed and stored two Troxler 3400 Series portable gauging devices, each containing a nominal 9-millicurie cesium-137 source and a nominal 44-millicurie americium-241/beryllium source, at a location in Saint Roberts, Missouri, a location not authorized by the license.

As corrective actions, the licensee immediately sent the NRC a license amendment request to remove a location that was no longer in use and to add the new location of storage and use to their license.

This is a Severity Level IV violation (Section 6.3.d.4)

**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	John Snider		3/8/2017
NRC INSPECTOR	Navid Tehrani		3/7/17
BRANCH CHIEF	Aaron McCraw		3/7/17

file: (14) Inspection

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  03.01-03.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  John Snider - RSO	4. TELEPHONE NUMBER  (417) 866-2741
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Main Office Inspection                      Next Inspection Date: 02/06/2022

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

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

**PROGRAM SCOPE**

This was an unannounced, routine inspection of a civil engineering firm that is authorized to possess portable moisture density gauges containing byproduct material at its facilities in Springfield, MO and to use them at temporary job sites within NRC jurisdiction. At the time of the inspection, the licensee did not have any temporary job sites.

**PERFORMANCE OBSERVATIONS**

The inspector toured the licensee's facility to evaluate the licensee's measures for material security, hazard communication, and exposure controls. The gauges were adequately secured behind two barriers in the licensee's facility. During business hours, the gauges were under constant surveillance by authorized staff members.

The inspector interviewed the gauge users and found that while on site, they maintained control and constant surveillance of the licensee's gauge at all times. The gauge user also maintained two independent physical controls that formed tangible barriers against unauthorized removal of the gauge whenever it was not in use, using a series of locks and chains to secure the gauge in its transport case in the bed of their truck. The inspector discussed the use and transportation of the gauge with the users and found them to be knowledgeable of radiation protection principles and licensee procedures. The inspector also reviewed the licensee's operating and emergency procedures, in addition to the gauge's shipping papers and leak tests.

One violation of NRC requirements, as documented in Part 1, was identified during this inspection.