

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Earlham College
801 National Road West
Richmond, IN 47374-4095

REPORT NUMBER(S) 13-01

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-00699

4. LICENSE NUMBER(S)

13-05737-01

5. DATE(S) OF INSPECTION

March 14, 2013

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:

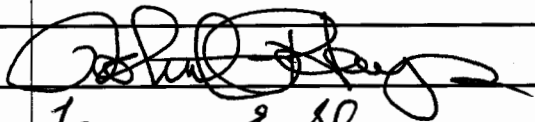

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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)

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	Robert P. Hays		3/14/13
BRANCH CHIEF	Tamara E. Bloomer		3/26/13

Docket File Information
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3. DOCKET NUMBER(S) 030-00699	4. LICENSE NUMBER(S) 13-05737-01	5. DATE(S) OF INSPECTION March 14, 2013
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6. INSPECTION PROCEDURES USED 87126	7. INSPECTION FOCUS AREAS 03.01-03.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 22110	2. PRIORITY 5	3. LICENSEE CONTACT John Howell, RSO	4. TELEPHONE NUMBER (765) 983-1670
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Main Office Inspection Next Inspection Date: 03/14/2018

Field Office Inspection

Temporary Job Site Inspection

PROGRAM SCOPE

The licensee is authorized by the license to use a neutron howitzer and various sealed and plated sources for student instruction and a gas chromatograph for sample analysis. Since the previous inspection, the licensee uses the neutron howitzer and the Cs-137 sealed source each fall semester for a physics lab class. The other licensed material authorized by the license is kept in storage only. Licensed material was in storage as described in the license application. At the time of the inspection, the licensee had 3 individuals authorized to use licensed material.

Performance Observations

During the inspection, the licensee's RSO and authorized user demonstrated/discussed: (1) survey meter use and calibrations; (2) package ordering, receiving, and check-in procedures; (3) area and contamination surveys; (4) dosimetry (none used); (5) source handling procedures; (6) sealed source inventories; (7) postings and labeling; (8) 10 CFR 30.36(d)(3) notification; and (9) corrective actions for three SL IV violations pertaining to: (a) 10 CFR 20.1501(b), a failure to calibrate instruments used for quantitative measurements; (b) a failure to leak test a sealed source in storage every 10 years; and (c) a failure to conduct a sealed source inventory every six months. Corrective actions were taken as described in the licensee's response to the Notice of Violation dated March 17, 2010.

The inspector performed independent and confirmatory radiation measurements, which survey results did not indicate any contamination issues or elevated readings.