

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Andrews University Department of Physics Berrien Springs, MI 49104  REPORT NUMBER(S) 2012001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  030-09702	4. LICENSE NUMBER(S)  21-11654-03	5. DATE(S) OF INSPECTION  August 24, 2012	

**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:

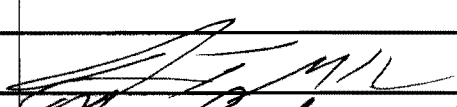

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Aaron T. McCraw		8/25/12
BRANCH CHIEF	Tamara E. Bloomer		8/29/12

**Docket File Information**  
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6. INSPECTION PROCEDURES USED  IP 87126	7. INSPECTION FOCUS AREAS  FE-1 through FE-7
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03620	2. PRIORITY  5	3. LICENSEE CONTACT  G. Brendan Cross, RSO	4. TELEPHONE NUMBER  (269) 471-3070
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Main Office Inspection      Next Inspection Date: 08/24/2017

Field Office Inspection

Temporary Job Site Inspection

**PROGRAM SCOPE**

This was a routine inspection of a private university located in Berrien Springs, Michigan, with an approximate enrollment of 3,500 students and employment of approximately 340 faculty. The licensee was authorized by the license to use a variety of isotopes for research and educational purposes; however, at the time of the inspection, the licensee only possessed and used a plutonium-beryllium neutron howitzer, an americium-241 electroplated source, and a selection of exempt quantity sealed sources for teaching and demonstration in a physics lab.

**PERFORMANCE OBSERVATIONS**

The inspector observed the radioactive materials storage area and determined that security was adequate. The radiation safety officer (RSO) described and demonstrated the procedures for use and leak testing of the neutron howitzer. The inspector determined that the RSO was knowledgeable of radioactive material handling and emergency response procedures. The inspector performed an independent survey of the unrestricted areas outside of the storage room and determined that radiation levels were below regulatory limits.

The inspector noted one minor violation regarding documentation of program audits. The licensee conducted audits of the licensee's implementation of the radiation protection program; however, the licensee did not document those audits.

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