



**Docket File Information**  
**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
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3. DOCKET NUMBER(S)  030-09702	4. LICENSE NUMBER(S)  21-11654-03	5. DATE(S) OF INSPECTION  August 24, 2012
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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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