

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  
Rose-Hulman Institute of Technology  
5500 Wabash Avenue  
Terre Haute, IN 47803

2. NRC/REGIONAL OFFICE  
Region III  
2443 Warrenville Rd.  
Lisle, IL 60532

REPORT NUMBER(S) 2011-001

3. DOCKET NUMBER(S)  
030-30904

4. LICENSEE NUMBER(S)  
13-17582-02

5. DATE(S) OF INSPECTION  
*July 11, 27, 2011*

**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, NUREG-1600, 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. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11

**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	Dennis Lawyer	<i>Dennis Lawyer</i>	<i>7/27/2011</i>
Branch Chief	Tamara E. Bloomer	<i>Tamara Bloomer</i>	<i>7/28/11</i>

*Docket File Information*  
**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE Rose-Hulman Institute of Technology 5500 Wabash Avenue Terre Haute, IN 47803 REPORT NUMBER(S) 2011-001	2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Rd. Lisle, IL 60532
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3. DOCKET NUMBER(S) 030-30904	4. LICENSE NUMBER(S) 13-17582-02	5. DATE(S) OF INSPECTION July 11, 27, 2011
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6. INSPECTION PROCEDURES 87126	7. INSPECTION FOCUS AREAS 02.01-02.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM 3122	2. PRIORITY 5	3. LICENSEE CONTACT Maarij Syed, Ph.D., RSO	4. TELEPHONE NUMBER 812-877-8957
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- Main Office Inspection      Next Inspection Date: July 2016
- Field Office Inspection \_\_\_\_\_
- Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This is an academic licensee using an americium 241 source for x-ray fluorescence demonstration once per year for students.

**Performance Observations**

No licensed activities were taking place at the time of the inspection. The Radiation Safety Officer was not present during the time of inspection. The americium source was appropriately shielded and locked in a storage location in accordance with the licensing. Instrumentation was available along with appropriate postings. Leak test, dosimetry, calibration records were reviewed. Leak test procedure and instrumentation was discussed. The model number on the source was observed to be NER492. The license only allows Model number NER-476-A. The licensee produced documentation from the manufacturer that the model number of the source is NER-476.

TRANSMISSION VERIFICATION REPORT

TIME : 07/28/2011 21:26  
NAME : USNRC REGION3 DNMS  
FAX : 6305151259  
TEL :  
SER.# : 000A7J925770

DATE, TIME : 07/28 21:25  
FAX NO./NAME : 18128778023  
DURATION : 00:00:42  
PAGE(S) : 03  
RESULT : OK  
MODE : STANDARD  
ECM

NRC FORM 386 (R11)  
(4-2004)



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4352

TELEFAX TRANSMITTAL

DATE: 7/29/11 NUMBER OF PAGES: 3  
(including this page)

SEND TO: Maarij Syed

LOCATION: Rose-Hulman, Terre Haute

FAX NUMBER: 812-877-9023  VERIFY BY CALLING SENDER

FROM: (SENDER) TAMARA Bloomer, Chief of Materials Inspection

TELEPHONE NUMBER: 630-827-9627 FAX NUMBER: 630-515-1259

If you do not receive the complete fax transmittal, please contact the sender as soon as possible at the telephone number provided above.

MESSAGE

ATTN: Maarij Syed