

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

*Eastern Michigan University  
Ypsilanti, MI 48197*REPORT NUMBER(S) *2007-001*

## 2. NRC/REGIONAL OFFICE

U.S. Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road  
Suite 210  
Lisle, Illinois 60532-4351

## 3. DOCKET NUMBER(S)

*030-00818*

## 4. LICENSEE NUMBER(S)

*21-06885-01*

## 5. DATE(S) OF INSPECTION

*May 21, 2007*

## 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) was/were discussed involving the following requirement(s) and Corrective Action(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.

(Violations and Corrective Actions)

## Licensee's Statement of Corrective Actions for Item 4, above.

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             | Deborah A. Piskura | <i>Deborah A. Piskura</i> | <i>5/21/07</i> |

(10-2003)

10 CFR 2.201

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

|   |   |  |  |
|---|---|--|--|
| <b>1. LICENSEE</b><br><b>Eastern Michigan University</b><br>REPORT NUMBER(S)    2007-001  |   | <b>2. NRC/REGIONAL OFFICE</b><br><b>Region III</b><br>2443 Warrenville Road<br>Lisle, IL 60532 |  |
| <b>3. DOCKET NUMBER(S)</b><br>030-00818   | <b>4. LICENSE NUMBER(S)</b><br>21-06885-01  | <b>5. DATE(S) OF INSPECTION</b><br>May 21, 2007  |  |
| <b>6. INSPECTION PROCEDURES</b><br>87126  | <b>7. INSPECTION FOCUS AREAS</b><br>03.01, 03.02, 03.03, 03.04, 03.05, 03.06, and 03.07 |  |  |
| <b>SUPPLEMENTAL INSPECTION INFORMATION</b>  |   |  |  |
| <b>1. PROGRAM</b><br>03611  | <b>2. PRIORITY</b><br>E 5   | <b>3. LICENSEE CONTACT</b><br>Krishnaswamy Rengan, Ph.D., RSO                                  | <b>4. TELEPHONE NUMBER</b><br>313.487.0086 |
| <div style="display: flex; justify-content: space-between;"><div><input checked="checked" type="checkbox"/> Main Office Inspection<br/><input type="checkbox"/> Field Office<br/><input type="checkbox"/> Temporary Job Site</div><div style="text-align: right;">Next Inspection Date: <u>May 2012</u></div></div> |   |  |  |

**PROGRAM SCOPE**

This licensee was a state learning institution, specializing in liberal arts, engineering and health sciences, with an enrollment of approximately 24,000 students and 1300 faculty members. Licensed material was authorized for in-vitro research and development and for student teaching purposes. Three individuals acted as principal investigators and supervised the technicians and students who used licensed material. The university possessed several exempt quantity sealed/plated sources used for counting experiments in physics courses.

The college also possessed an Cf-252 sealed source. The source was used in an advanced physics course by students under the direct supervision of the authorized user. The room and the source storage container were locked when unattended and accessible only by the authorized users.

During this inspection, the inspector toured select labs, interviewed licensee personnel, performed radiation surveys around laboratories and the source storage room, and reviewed select records. Maximum radiation levels measured around the Cf-252 source were 0.4 mR/hr at 1 meter and 10 mR/hr on contact of the source container.