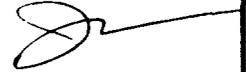


NRC FORM 591M PART 1 (10-2003) 10 CFR 2.201		U.S. NUCLEAR REGULATORY COMMISSION	
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION			
1. LICENSEE/LOCATION INSPECTED: St. Vincent Hospital & Health Care Center 2001 West 86 th Street Indianapolis, IN 46240-0970		2. NRC REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351	
REPORT 2007-001			
3. DOCKET NUMBER(S) 030-01579		4. LICENSEE NUMBER(S) 13-00133-02	5. DATE(S) OF INSPECTION March 28-30, 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:			
<input type="checkbox"/> 1. Based on the inspection findings, no violations were identified.			
<input type="checkbox"/> 2. Previous violation(s) closed.			
<input checked="" type="checkbox"/> 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.			
Two Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):			
1- Failure to use a properly prepared written directive for a Na I-131 hyperthyroid treatment administered on January 11, 2007, at the St. Joseph Hospital and Health Center, Kokomo, Indiana as required by 10 CFR 35.40 (b)(1). Specifically, the written directive did not contain or specify the dosage of NaI-131. The Radiation Safety Officer (RSO) identified this violation during his January 18, 2007, audit. Corrective actions included instructing the site nuclear medicine technologists (including job shadowing) and additional review and verification of all written directives by the RSO prior to administrations.			
2- Failure to secure the radiation oncology department hot lab within the main hospital on January 25, 2007, as required by 10 CFR 20.1801. The hot lab contained two calibration/reference sources and radwaste. RSO discovered the door was left open for approximately 10 minutes. Corrective actions included installing a self-closing mechanism on the door and instructing the medical physics staff on proper security of RAM.			
<input checked="" type="checkbox"/> 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)			
Condition 18.A. of License No. 13-00133-02 requires that licensed material be possessed and used in accordance with the statements, representations, and procedures contained in application dated September 12, 2003. Item 10.4, of this application, "Laboratory Safety Rules," Item 5, states do not eat, drink, smoke, or apply cosmetics in any area where radioactive material is used or stored.			
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	Jean Meyer	<i>Jean Meyer</i>	4/6/07
NRC INSPECTOR	Deborah A. Piskura	<i>Deborah A. Piskura</i>	4/05/2007

NRC FORM 591M
PART 2
(10-2003)
10 CFR 2.201

U.S. NUCLEAR REGULATORY
COMMISSION



**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE St. Vincent Hospital & Health Care Center REPORT NUMBER(S) 2007-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532	
3. DOCKET NUMBER(S) 030-01579	4. LICENSE NUMBER(S) 13-00133-02	5. DATE(S) OF INSPECTION March 28-30, 2007	

(Continued)

Contrary to the above, on March 28 2007, a banana peel and chewing gum and candy wrappers were found in two trash cans in the main hospital's cardiac stress testing room, an area where radioactive material is used. An individual was also found drinking a soda in the cardiac stress testing room. On March 29,2007, a coffee cup, a soda can, and various food wrappers were found in a trash bin in the temporary imaging trailer at the St. Joseph Hospital and Health Center, an area where radioactive material is used and radioactive waste materials are stored. In addition, the Radiation Safety Officer identified two instances of eating and drinking in two areas where radioactive materials were used and stored on January 23 and November 8, 2006.

Corrective actions for this violation will include providing training to the medical students and the nuclear medicine and cardiology staff on the licensee's policies and procedures prohibiting eating and drinking in areas where radioactive materials are used and/or stored. The RSO will conduct additional unannounced audits of the nuclear medicine departments. The RSO will discuss this matter with the nuclear medicine staff during a future safety meeting and provide a copy of this Notice of Violation to the staff to initial.

Docket File Information

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE St. Vincent Hospital & Health Care Center REPORT 2007-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-01579	4. LICENSE NUMBER(S) 13-00133-02	5. DATE(S) OF INSPECTION March 28-30, 2007	
6. INSPECTION PROCEDURES USED 87130, 87131, & 87132		7. INSPECTION FOCUS AREAS 03.01, 03.02, 03.03, 03.04, 03.05, 03.06, 03.07, and 03.08	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02230	2. PRIORITY G 2	3. LICENSEE CONTACT Edward E. Wroblewski, M.A., RSO	4. TELEPHONE NUMBER 317.338.2381
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Main Office Inspection Next Inspection Date: March 2010

Field St. Vincent Frankfort Hosp, St. Vincent Oncology Ctr, St Joseph Hosp,

Temporary Job Site and Health Ctr, and St. John's Health System

PROGRAM SCOPE

This licensee was a large medical institution and conducted licensed activities at 10 locations in the central Indiana area. The licensee was authorized to use materials permitted in Sections 35.100, 35.200, 35.300, 35.400, 35.500, 31.11, and iridium-192 in two HDR units. The licensee also utilized a cesium-137 source for survey instrument calibrations. In addition, the licensee was authorized to conduct sealed source leak testing and analysis as a commercial service. All licensed activities were reviewed by a dedicated, full-time Radiation Safety Officer and by a joint Radiation Safety Committee.

Collectively, the nuclear medicine departments performed approximately 10,000 diagnostic nuclear medicine procedures annually which included a full spectrum of diagnostic imaging studies. The majority of licensed activities was performed by the main hospital (350-400 studies/month). The licensee received unit doses and bulk Tc-99m for kit preparation from a licensed nuclear pharmacy. Typically in a year, the main hospital treated 200 cases of hyperthyroidism and 50 cases of thyroid carcinoma. Radioiodine was obtained from a licensed nuclear pharmacy in capsule form.

The radiation therapy was performed by the main hospital at the St. Vincent Oncology Center and at the St. John's Health System in Anderson, Indiana. Cs-137 and Ir-192 sources were used in temporary low dose rate implants for typically 2-5 patient treatments per year. The department possessed an HDR unit and administered approximately 100 patient treatments per year; the majority of these treatments are for bronchial and gynecological cancers. The department also used Pd-103 for permanent prostate implants to treat approximately 15-20 cases per year. Occasionally, the department administered P-32 (sodium phosphate) Sm-153 Quadramet, Y-90 Zevalin dosages; typically 2-5 treatments annually.

This inspection consisted of interviews with licensee personnel, a review of select records, tours of the nuclear medicine, nuclear cardiology, and radiation oncology departments, and independent measurements. The inspector observed the administration of several diagnostic nuclear medicine procedures, an I-131 dosage for treatment of hyperthyroidism, a Sm-153 dosage for metastatic bone disease and an Ir-192 HDR treatment. The inspection included observations of dose calibrator QA checks, security of byproduct material, use of personnel monitoring, and package receipts and surveys.

Discussions with the RSO and review of his audit reports revealed that he identified instances of eating and drinking in areas where radioactive materials were used and stored. The RSO found nuclear medicine staff eating and drinking in imaging areas on January 23, and November 8, 2006. During the inspector's walk through of the main hospital's nuclear medicine department on March 28, 2007, she found a banana peel, gum and candy wrappers in two trash cans in the cardiac stress testing room. An individual was also found drinking a soda in the cardiac stress testing room. Nuclear cardiology patients were injected in this room on the day of the inspection. During a walk through on March 29, 2007, a coffee cup, a soda can, and various food wrappers were found in a trash bin in the temporary imaging trailer at the St. Joseph Hospital and Health Center. The licensee planned to take the following corrective actions: (1) training for NMTs and medical students, (2) NMTs will review and initial the NOV, and (3) RSO will perform additional unannounced walk through tours.



ST. VINCENT HOSPITALS AND HEALTH SERVICES

F A X

Date: 4/6/07
 To: Debbie Piskura Fax #: 630/515-1259
 Dept.: MATERIALS INSPECTIONS Phone: 630/829-9867
 From: Ed Wroblewski Fax #: (317) 338-2496
 Dept.: Diagnostic Physics Services Phone: (317) 338-5010
 Re: Signed NOV
 cc:

Number of Pages including cover sheet (2)



NOTES:

HAPPY EASTER!

Edward E. Wroblewski, M.A.

Diplomate, ABSNM
Radiation Safety Officer
Physics Services

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Pager: 317-338-3550 #8836
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P.S. THANK YOU FOR ALL YOUR HARD WORK. WE COVERED SEVERAL LOCATIONS OF USE AND HAD THE OPPORTUNITY TO OBSERVE SEVERAL DIFFERENT TYPES OF MEDICAL PROCEDURES INVOLVING LICENSED RBMS. YOUR PROFESSIONALISM & INSIGHT IS APPRECIATED.

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