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NRC FORM 591X PART 1
(11-2001) 10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/CERTIFICATE HOLDER Location Inspected: multiple locations IUPUI/Indiana University Medical Center Radiation Safety Office 541 Clinical Drive Indianapolis, IN 46202		2. REGIONAL OFFICE US NRC - Region III 2443 Warrenville Road Lisle, IL 60532	
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REPORT NUMBER(S) 2006-~~01~~ 03

3. DOCKET NUMBER(S) 030-01609	4. LICENSE/CERTIFICATE NUMBER(S) 13-02752-03 (Wishard Hospital)	5. DATE(S) OF INSPECTION 10/16-20/2006
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Inspection Procedures Used: 87119	Inspection Focus Areas: 02.03 thru 02.11; 02.12e, 02.13 thru 02.14; 02.16 thru 02.19; and 02.21.
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LICENSEE/CERTIFICATE HOLDER:
The inspection was an examination of the activities conducted under your license/certificate as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license/certificate. 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.

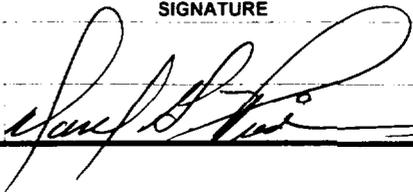
non-cited violation(s) were discussed involving the following requirement(s):

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.....
.....

- 4. During this inspection certain of your activities, as described in the 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 and as described in the attachment 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/ CERTIFICATE HOLDER	Mack Richard, RSO		
NRC INSPECTOR	Darrel G. Wiedeman		10/20/2006

DP

NRC FORM 591X PART 1
(11-2001) 10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/CERTIFICATE HOLDER Location Inspected: multiple locations IUPUI/Indiana University Medical Center Radiation Safety Office 541 Clinical Drive Indianapolis, IN 46202		2. REGIONAL OFFICE US NRC - Region III 2443 Warrenville Road Lisle, IL 60532	
REPORT NUMBER(S) 2006-104			
3. DOCKET NUMBER(S) 030-01609	4. LICENSE/CERTIFICATE NUMBER(S) 13-02752-03 (Childrens Hospital)	5. DATE(S) OF INSPECTION 10/16-20/2006	
Inspection Procedures Used: 87119	Inspection Focus Areas: 02.03 thru 02.11; 02.12e, 02.13 thru 02.14; 02.16 thru 02.19; and 02.21.		

LICENSEE/CERTIFICATE HOLDER:

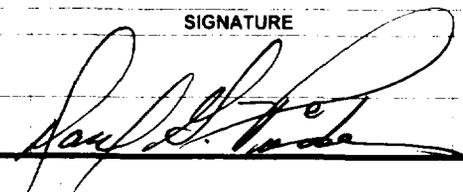
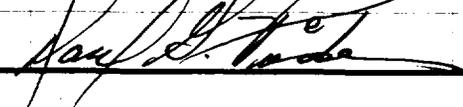
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1. Based on the inspection findings, no violations were identified.
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TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE/ CERTIFICATE HOLDER	Mack Richard, RSO		
NRC INSPECTOR	Darrel G. Wiedeman		10/20/2006

RFH

NRC FORM 591X PART 1
(11-2001) 10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/CERTIFICATE HOLDER</p> <p>Location Inspected: multiple locations</p> <p>IUPUI/Indiana University Medical Center Radiation Safety Office 541 Clinical Drive Indianapolis, IN 46202</p>	<p>2. REGIONAL OFFICE</p> <p>US NRC - Region III 2443 Warrenville Road Lisle, IL 60532</p>
<p>REPORT NUMBER(S) 2006-805</p>	

<p>3 DOCKET NUMBER(S)</p> <p>030-01609</p>	<p>4. LICENSE/CERTIFICATE NUMBER(S)</p> <p>13-02752-03 (University Hospital)</p>	<p>5. DATE(S) OF INSPECTION</p> <p>10/16-20/2006</p>
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<p>Inspection Procedures Used:</p> <p>87119</p>	<p>Inspection Focus Areas: 02.03 thru 02.11; 02.12e, 02.13 thru 02.14; 02.16 thru 02.19; and 02.21.</p>
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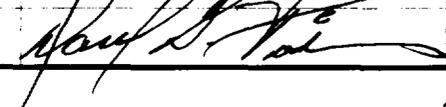
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LICENSEE/ CERTIFICATE HOLDER	Mack Richard, RSO		
NRC INSPECTOR	Darrel G. Wiedeman		10/20/2006

RGW

NRC FORM 591X PART 3 (11-2001) 10 CFR 2.201		Docket File Information		U.S. NUCLEAR REGULATORY COMMISSION	
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION					
1. LICENSEE/CERTIFICATE HOLDER IUPUI/Indiana University			2. REGIONAL OFFICE Region III, Lisle, IL 60532		
REPORT NUMBER(S) 2005-03, 04 and 05					
3. DOCKET NUMBER(S) 030-01609		4. LICENSE/CERTIFICATE NUMBER(S) 13-02752-03 (broadscope)		5. DATE(S) OF INSPECTION 10/16-20/ 2006	
Supplemental Inspection Information					
Program Code(s): 02110	Priority: 2	Licensee Contact: Mack Richard, RSO		Telephone No. : 317-274-4797	

- Main Office Inspection Next Inspection Date: 10/2008
- Field Office **see the end of this report for locations inspected**
- Temporary Job Site Inspection **see the end of this report for locations inspected**

Program Scope

This licensee is a State of Indiana owned and operated university. Currently the licensee has a student population of 30,280 students at the Indianapolis campus. The University Hospital, Riley Childrens Hospital and Wishard Memorial Hospital are located within the university complex. The licensee has an annual workload of approximately 7,300 routine nuclear medicine studies/year from all three hospitals. This inspection consisted of an in-depth review of the licensee's medical and human research programs including a routine inspection of its Orders for Increased Controls (ICs). Certain non-human research programs were reviewed at the main campus.

The inspectors interviewed researchers, physicians, physicists, nuclear medicine technologists and observed licensed activities at the following university owned and operated facilities:

Indiana University Hospital
 Riley Childrens Hospital
 Wishard Memorial Hospital
 University Radiation Oncology Clinic
 University of Indiana, Radiation Safety Office
 Clarion Pathology Building
 Emerson Hall
 Laboratory Animal Research Building

According to the licensee staff that were interviewed, since the last NRC inspection there have been no fires, explosions, fatalities, medical events or over exposures to radiation. The inspector did not identify anything contrary to the above statements by licensee staff. This licensee has approximately 130 active permits (approved users of radioactive materials) and materials are approved for use in approximately 450 individual laboratories. During the period 2005-2006 the highest wholebody dosimeter reading was 870 mrem.

The inspectors reviewed the licensee's incident/event logs for the period CY 2005-2006. During this period the licensee responded to 14 events in 2005 and 11 events in 2006. These events/incidents were primarily reports of low level lab floor contamination and/spills. All of the events were investigated by the licensee and they took appropriate followup actions. It was the view of the inspectors that the licensee took appropriate corrective actions in response to these events.

The inspectors also reviewed the licensee's actions in response to the Order for Increased Controls (ICs), EA-05-090, dated November 14, 2005. The results of the IC inspections are documented in NRC Report Nos. 03001609/2006-06 and 03009792/2006-02.

No violations of NRC requirements were identified during the routine portion of the inspection.