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:	2. NRC/REGIONAL OFFICE
Deaconess Hospital **600 Mary Street** **Evansville, IN 47747**	**UNITED STATES** **NUCLEAR REGULATORY COMMISSION** **REGION III** **2443 WARRENVILLE ROAD, SUITE 210** **LISLE, IL 60532-4352**
REPORT 2006-001	

3. DOCKET NUMBER(S)	4. LICENSEE NUMBER(S)	5. DATE(S) OF INSPECTION
030-01580	**13-00142-02**	MAY 18, 2006

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	**Robert P. Hays**		5/18/06

NRC FORM 591M PART 1 (10-2003)

NRC FORM 591M PART 3
(10-2003)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE	2. NRC/REGIONAL OFFICE
Deaconess Hospital REPORT NUMBER(S) **2006-001**	**Region III**

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION
03001580	**13-00142-02**	**May 18, 2006**

6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
87131, 87132	**03.01 - 03.07**

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
02230	**2**	**Ray Poston, RSO**	**812/858-2266**

☐ Main Office Inspection — Next Inspection Date: **May 2008**

☒ Field Office **4055 Gateway Blvd., Newburgh, Indiana**

☐ Temporary Job Site

PROGRAM SCOPE

The licensee is a medical institution with two authorized locations of use in Evansville, IN and Newburgh, IN, with authorization by the license to use byproduct materials for diagnostic and therapeutic medical *procedures under* 10 CFR 35.100, 35.200, 35.300, 35.500, and iridium-192 as permitted by 10 CFR 35.600.

Licensed activities at Newburgh, IN, included nuclear medicine procedures with a staff of 1-2 NMTs who rotate from the main campus and routinely conduct an average of 3-5 administrations/scans per day for routine diagnostic or imaging studies. Currently, no therapeutic procedures are performed at this location. The licensee receives all licensed material as unit doses and bulk vials from a local nuclear pharmacy as needed.

The radiation therapy staff conducted high dose rate remote afterloading brachytherapy procedures using a Nucletron Model 105.999 which averages one patient treatment per week. The device is used and stored in a dedicated HDR treatment room. A source exchange is conducted quarterly by Nucletron service engineers. During each administered dose fraction, licensee staff involve one authorized user, one medical physicist, and RSO, who observe and monitor the patient, as required by their license procedures.

Performance Observations

During the inspection, the licensee's available staff demonstrated/discussed: (1) required surveys; (2) package receipt and check-in procedures; (3) wipe test counting; (4) dosimetry; (5) waste handling; (6) sealed source inventories; (7) routine security of licensed material; (8) HDR written directives; (9) electrometer calibrations; (10) HDR calibrations and monthly output checks; (11) HDR daily checks performed prior to each administered fraction; (12) HDR emergency tools; (13) treatment programming checks; (14) acceptance testing; and (15) radiation safety program audit results.