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
Hannibal Regional Hospital **P. O. Box 551** **6000 Hospital Drive** **Hannibal, MO 63401-0551** REPORT NUMBER(S) **2010-01**	**U.S. Nuclear Regulatory Commission** **Region III** **2443 Warrenville Road** **Suite 210** **Lisle, Illinois 60532-4351**

3. DOCKET NUMBER(S)	4. LICENSEE NUMBER(S)	5. DATE(S) OF INSPECTION
030-17616	**24-18988-01**	April 1, 2010

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**	Robert P. Hays	4/1/10

NRC FORM 591M PART 1 (10-2003)

RPH

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

Docket File Information

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1. LICENSEE	2. NRC/REGIONAL OFFICE
Hannibal Regional Hospital REPORT NUMBER(S) **2010-01**	**Region III** **2443 Warrenville Road, Suite 210** **Lisle, IL 60532**

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION
03017616	**24-18988-01**	**April 1, 2010**

6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
87124 (11/25/03)	**03.01-03.07**

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
02120	**3**	**J. D. Hassien, M.D., RSO**	**573-248-1300**

[X] Main Office Inspection — Next Inspection Date: **April 2013**

[ ] Field Office — **John Kapfer, Abby Murphy, Rebecca Roos, NMTs**

[ ] Temporary Job Site Inspection

PROGRAM SCOPE

The licensee was a medical institution located in Hannibal, Missouri, and authorized by the license to use any byproduct material as needed, permitted by 10 CFR 35.100 and 10 CFR 35.200. The licensee is also authorized to use any byproduct material permitted by 10 CFR 35.300 up to the limits specified in the license. The nuclear medicine department was staffed with three nuclear medicine technologists (NMTs) who performed an average of 5-6 patient studies per day and on call weekends. Unit doses were used and obtained from a Springfield, IL nuclear pharmacy. I-131 procedures requiring a written directive averaged 1-2 procedures per month. Area surveys of the injection, hot lab work areas, and scanning areas did not reveal any unusual or elevated readings.

Performance Observations

During the inspection, the licensee's NMTs demonstrated/discussed: (1) survey meter use and calibration; (2) package receiving and check-in procedures; (3) unit dose prep and safe use; (4) package wipe test counting; (5) dosimetry (< 10% of annual regulatory limits); (6) dose calibrator tests; (7) waste handling; (8) security of licensed material; (9) sealed source inventory and leak tests; (10) quarterly radiation safety program audits; (11) I-131 written directives and patient release procedures; and (12) any contamination events (none).