

NRC FORM 591M PART 1
(10-2003) 10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/LOCATION INSPECTED: Boone Hospital Center Columbia, Missouri</p>	<p>2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351</p>
<p>REPORT NUMBER(S) 2008-001</p>	

<p>3. DOCKET NUMBER(S) 030-02304</p>	<p>4. LICENSEE NUMBER(S) 24-01565-01</p>	<p>5. DATE(S) OF INSPECTION June 24, 2008</p>
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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)

Condition 15 of License Number 24-01565-01 requires, in part, a physical inventory to be conducted every 3 months to account for all sources received and possessed pursuant to 10 CFR 35.400. Contrary to the above, as of June 24, 2008, the licensee did not conduct a physical inventory every 3 months of all iodine-125 seeds received and possessed pursuant to 10 CFR 35.400.

Corrective actions: The licensee will store all currently possessed iodine-125 seeds in a tamper proof container until disposed of in accordance with NRC requirements and, in the future, will ship back to the manufacturer all unused I-125 seeds.

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	Liesje Myers, R.S.D.		7/10/08
NRC INSPECTOR	Michael LaFranzo		July 9, 2008

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3. DOCKET NUMBER(S) 030-02304	4. LICENSE NUMBER(S) 24-01565-01	5. DATE(S) OF INSPECTION June 24, 2008	
6. INSPECTION PROCEDURES USED 87130/87131/87132		7. INSPECTION FOCUS AREAS 3.01 – 3.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02120	2. PRIORITY 3	3. LICENSEE CONTACT Liesje Myers – RSO	4. TELEPHONE NUMBER 573-815-3729
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Main Office Inspection Next Inspection Date: 6/2011

Field Office

Temporary Job Site Inspection

PROGRAM SCOPE

The facility is a medium sized hospital conducting activities pursuant to 10 CFR 35.100, 35.200, and 35.300, 35.400. The licensee has 4-6 technicians who work in the nuclear medicine department daily. The licensee performs approximately 20-25 nuclear scans per day (primarily Heart scans). The licensee uses unit doses and obtains an occasional bulk dose weekly. The licensee also performs 6-7 hyperthyroid treatments quarterly and 1-2 thyroid cancer treatments quarterly using I-131 capsules. The licensee also administers 2-4 doses of Sr-89 or Sm-153 for palliative treatment only. The licensee also performs 8-10 I-125 and Pd-103 permanent seed implants quarterly. The licensee possessed a number of other sources listed on the license including a Sr-90 eye applicator and Cs-137 capsules and needles used for temporary implants permitted by 10 CFR 35.400 but have been in storage and not used since the last inspection.

Performance Observations

The inspector interviewed the radiation safety officer and technicians who routinely use radioactive material and determined that each had adequate knowledge to ensure the safe use of licensed material. The inspector reviewed a representative sample of written directives, leak tests, radiation safety committee minutes, and dosimetry records and noted the documents were being generated and kept in accordance with NRC requirements. The licensee's security of licensed material was adequate to ensure compliance with NRC regulations.

The inspector noted that the licensee had not performed inventories of I-125 seeds that were received and possessed by the licensee every 3 months as required by Condition 15 of the license. The inspector noted that the licensee was conducted the required inventories for all other licensed material under their possession. The licensee conducted a physical inventory and determined that no licensed material was missing. The licensee was cited for failure to perform the required inventories which is documented in Part 1 of this report. The corrective actions are also documented in Part 1 of this report.