

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:

*Reid Hospital & Health Care Services
Richmond, OH*
REPORT NUMBER(S) *2008-003*

2. NRC/REGIONAL OFFICE

**U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4351**

3. DOCKET NUMBER(S)

030-01614

4. LICENSEE NUMBER(S)

13-03284-02

5. DATE(S) OF INSPECTION

Dec. 10, 2008

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-1800, 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 | Deborah A. Piskura | <i>Deborah A. Piskura</i> | <i>12/10/08</i> |

SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

| | | | |
|---|-------------------------------------|---|--|
| 1. LICENSEE IReid Hospital and Health Care Services REPORT NUMBER(S) 2008-003 | | 2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532 | |
| 3. DOCKET NUMBER(S) 030-01614 | 4. LICENSE NUMBER(S) 13-03284-02 | 5. DATE(S) OF INSPECTION December 10, 2008 | |
| 6. INSPECTION PROCEDURES USED 87130, 87131, 87132 | | 7. INSPECTION FOCUS AREAS 03.01 – 03.08 | |

SUPPLEMENTAL INSPECTION INFORMATION

| | | | |
|-----------------------------|------------------|--|-------------------------------------|
| 1. PROGRAM CODE(S) 02230 | 2. PRIORITY 2 | 3. LICENSEE CONTACT Eugene DiTullio, CNMT | 4. TELEPHONE NUMBER 765-983-3166 |
|-----------------------------|------------------|--|-------------------------------------|

Main Office Inspection Next Inspection Date: December 2010

Field Office

Temporary Job Site Inspection

PROGRAM SCOPE

This licensee was a large community hospital with authorization to use materials in Sections 35.100, 35.200, 35.300, 35.400, and Ir-192 in an HDR unit. The nuclear medicine department (two separate areas for in-patient and out patient cases, as well as a PET center) was staffed with 7 full-time technologists who performed approximately 250 diagnostic nuclear medicine procedures per month. The majority of these procedures were bone, GI, gall bladder, and lung imaging (xenon-133). The licensee received unit doses and bulk Tc-99m from a licensed radiopharmacy. Typically, in a year the hospital treated 2-3 patients for thyroid carcinoma, 15+ cases of hyperthyroidism, and 3-4 whole body CA follow up cases (all I-131 in capsule form). Beta radiopharmaceuticals were only administered occasionally (1 Sm-153 case each year). The licensee had a separate nuclear cardiology group which was staffed with 3 technologists. The cardiology group performed approximately 180+ cardiac studies per month. The hospital retained the services of a consultant who audited the nuclear medicine radiation safety activities on a quarterly basis.

The radiation therapy department was staffed with 2 medical physicists and 2 physician authorized users. Cesium-137 was used occasionally for temporary gynecological implants (typically 2-3 patient treatments per year). I-125 was used for permanent prostrate implants (1 case per year). In December 2008, the licensee acquired its HDR unit and source. At the time of this inspection, the HDR unit was not completely installed by the manufacturer. The licensee staff anticipated that the unit and source would be installed the following week. All monitoring equipment would be installed within the next week. The licensee staff anticipated that patient treatments would start in January 2009.

This inspection consisted of interviews with select licensee personnel, a review of select records, tour of the nuclear medicine, nuclear cardiology, and radiation oncology departments, and independent measurements. The inspection included observations of security of byproduct material, receipt and surveys of byproduct material packages, use of personnel monitoring, dose calibrator QA checks, and area surveys. The inspector observed the nuclear medicine staff prepare, assay and administer several dosages for nuclear cardiology procedures. The inspector also verified the licensee's inventory of brachytherapy sources.