

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

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| 1. LICENSEE/LOCATION INSPECTED: Adams Memorial Hospital 1100 Mercer Avenue Decatur, Indiana 46733 REPORT NUMBER(S): 2011-001 | 2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission, Region III 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532 |
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| 3. DOCKET NUMBER(S) 030-31518 | 4. LICENSEE NUMBER(S) 13-26133-01 | 5. DATE(S) OF INSPECTION January 26, 2011 |
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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) were discussed involving the following requirement(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

NRC License No. 13-26133-01, License Condition No. 15, requires, in part, that the licensee conduct its program in accordance with the statements, representations, and procedures contained in the application dated January 21, 2009. Item 10 of that application states, in part, that the licensee has developed and will implement procedures for safe use of unsealed byproduct material. The licensee's ^{GW} document titled "Rules for the safe use of radiopharmaceuticals," ^{Item 5,} requires, that ~~individuals~~ ^{GW} not in part, that licensee personnel not eat in any area where radioactive material is used or stored. Contrary to the above, on January 26, 2011, a nuclear medicine technologist was chewing gum in the nuclear medicine hot lab. As corrective action, the radiology manager will retrain the nuclear medicine technologist on the ^{GW} policy procedure for safe use of radiopharmaceuticals.

Statement of Corrective Actions

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 | Jocelyn Eidam COO | <i>Jocelyn Eidam</i> | 1/26/11 |
| NRC INSPECTOR | Geoffrey M. Warren | <i>G. M. Warren</i> | 1/26/11 |
| Branch Chief | Tamara E. Bloomer | <i>T. E. Bloomer</i> | 2/7/11 |

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE
**Adams Memorial Hospital
Decatur, Indiana**

2. NRC/REGIONAL OFFICE
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532

REPORT NUMBER(S) 2011-001

3. DOCKET NUMBER(S)
030-31518

4. LICENSEE NUMBER(S)
13-26133-01

5. DATE(S) OF INSPECTION
January 26, 2011

6. INSPECTION PROCEDURES
87131

7. INSPECTION FOCUS AREAS
03.01 – 03.08

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM
02120

2. PRIORITY
3

3. LICENSEE CONTACT
John Pasalich, M.D., RSO

4. TELEPHONE NUMBER
860-724-2145

- Main Office Inspection
 Field Office Inspection _____
 Temporary Job Site Inspection _____

Next Inspection Date: January 2014

PROGRAM SCOPE

The licensee was a hospital located in Decatur, Indiana, with authorization to use byproduct materials in Sections 35.100, 35.200, and 35.300. Licensed activities were conducted only at the location indicated on the license. The nuclear medicine department was staffed with one full-time nuclear medicine technologist. The technologist typically administered 100 diagnostic doses monthly and two iodine-131 therapy doses annually, with the iodine in capsule form. The diagnostic procedures were predominately technetium-99m cardiac and hepatobiliary imaging. The department received unit doses as needed from a licensed nuclear pharmacy or prepared doses from bulk technetium obtained from the nuclear pharmacy. All waste was either held for decay-in-storage (DIS) or returned to the nuclear pharmacy.

Performance Observations

The licensee's staff demonstrated dose calibrator constancy, survey meter and wipe counter QC, package receipt and return surveys, dose preparation and disposal, and daily and weekly contamination surveys, and described a variety of diagnostic administration procedures and iodine-131 therapy procedures. The inspector noted no concerns with these activities. The inspector reviewed written directives for radiopharmaceutical therapies and identified no concerns. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.

One violation concerning gum chewing in the hot lab was cited, as described on Part 1 of this form.