

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Audrain Medical Center 620 E. Monroe Street Mexico, MO 65265  REPORT NUMBER(S) 2012-001	2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S)  030-08599	4. LICENSE NUMBER(S)  24-15122-01	5. DATE(S) OF INSPECTION  July 23, 2012
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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, 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 in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.  
 (Violations and Corrective Actions)

**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			
NRC INSPECTOR	Andrew Bramnik / Ryan Craffey	<i>Andrew Bramnik</i>	7/23/12
BRANCH CHIEF	<i>Thomas Bloomer</i>	<i>Tom Bloomer</i>	8/1/12

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87131	7. INSPECTION FOCUS AREAS  03.01 - 03.08
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02120	2. PRIORITY  3	3. LICENSEE CONTACT  George Cyriac, MD - RSO	4. TELEPHONE NUMBER  (573) 582-5000
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Main Office Inspection                      Next Inspection Date:                      July 2015  
 Field Office Inspection  
 Temporary Job Site Inspection

**PROGRAM SCOPE**

This was a routine inspection of a 49 bed hospital with authorization to use byproduct material permitted under 10 CFR 35.100, 35.200 and 35.300. The licensee's nuclear medicine department was staffed by one full-time nuclear medicine technologist who administered approximately two diagnostic doses per week for cardiac, gastric emptying, and bone scans. The technologist had also conducted six administrations of I-131 in capsule form that required a written directive since the previous inspection. Patient procedures were not typically performed on Wednesdays. The licensee obtained unit doses from an area nuclear pharmacy and did not use bulk doses or molybdenum/technetium generators.

**PERFORMANCE OBSERVATIONS**

Interviews of available staff revealed an adequate level of understanding of emergency and material handling procedures and techniques. The technologist demonstrated or described incoming package survey and receipt procedures, dose calibrator constancy checks, dose preparation, daily surveys, and waste handling and disposal procedures. The inspectors confirmed that these activities were routinely and successfully completed by reviewing selected records since the previous inspection. A contract physicist performed quarterly program audits that were adequate to oversee the program.

Licensed material was adequately labeled, secured, and not readily accessible to the general public. The licensee possessed properly calibrated equipment to determine dosages of licensed material as well as a radiation survey meter that was calibrated, operational, and performed comparably to an NRC survey meter.

The inspectors reviewed the written directives and supporting documentation for all of the I-131 administrations since the previous inspection. The administrations were completed in accordance with regulatory requirements and the licensee's procedures. Additionally, the licensee's technologist was familiar with the definition of a medical event. A records review identified that the highest annual whole body and extremity doses recorded since the last inspection were 120 millirem and 650 millirem, respectively.

No violations were identified during this inspection.