

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

Audrain Medical Center  
Mexico, Missouri

2. NRC/REGIONAL OFFICE

REGION III  
US NUCLEAR REGULATORY COMMISSION  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532

REPORT 2007-001

3. DOCKET NUMBER(S)

030-08599

4. LICENSEE NUMBER(S)

24-15122-01

5. DATE(S) OF INSPECTION

7/25/07

**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	Michael M LaFrazzo		5/9/07

**Docket File Information**  
**SAFETY INSPECTION REPORT**  
**AND COMPLIANCE INSPECTION**

<b>1. LICENSEE</b> <b>Audrain Medical Center</b> REPORT NUMBER(S)    2007-001		<b>2. NRC/REGIONAL OFFICE</b>  <b>Region III</b>	
<b>3. DOCKET NUMBER(S)</b> 030-08599	<b>4. LICENSE NUMBER(S)</b> 24-15122-01	<b>5. DATE(S) OF INSPECTION</b> 4/25/2007	
<b>6. INSPECTION PROCEDURES USED</b> 87130/87131	<b>7. INSPECTION FOCUS AREAS</b> 03.01-03.07		
<b>SUPPLEMENTAL INSPECTION INFORMATION</b>			
<b>1. PROGRAM CODE(S)</b> 02120	<b>2. PRIORITY</b> 3	<b>3. LICENSEE CONTACT</b> George Cyriac, M.D., RSO	<b>4. TELEPHONE NUMBER</b> 573-581-4150
<div style="display: flex; justify-content: space-between;"><div><input checked="checked" type="checkbox"/> Main Office Inspection <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site</div><div>Next Inspection Date: <b>4/2010</b></div></div>			

**PROGRAM SCOPE**

The licensee was a 175-bed county hospital located in Mexico, Missouri, with authorization to use byproduct materials described in 10 CFR 35.100, 35.200 and 35.300. Licensed activities were conducted at the address specified on the license.

The nuclear medicine department was staffed with one full-time nuclear medicine technologist. The licensee's nuclear medicine staff typically administered 60 diagnostic doses, monthly, primarily bone, gall bladder and cardiac studies using technetium-99m. Technetium doses were received as unit doses or bulk technetium. The licensee performs approximately 4 iodine-131 therapies (less than 30 millicuries) annually. All radioactive material waste was either held for decay-in-storage (DIS) or returned to the radiopharmacy.

**Performance Observations**

The licensee demonstrated a package receipt survey, daily dose calibrator constancy check, radiological surveys, and dose preparation for injection. The inspector reviewed a selected number of written directives and identified no regulatory issues. The inspector performed independent and confirmatory radiation measurements; no abnormal radiation levels were identified. Interviews with licensee staff indicated a sufficient knowledge of radiation safety practices.