

INSPECTION RECORD

Region III Inspection Report No. 030-37082/2010-001(DNMS)
License No. 24-32604-01 **Docket No.** 030-37082

Licensee (Name and Address):

Missouri Cancer Associates, LLC
1705 East Broadway
Columbia, Missouri 65201

Licensee Contact: Willis E. Brumley - RSO **Telephone No.** 573-442-5525

Priority: 2 **Program Code:** 2230

Date of Last Routine Inspection: 5/20/08
Date of This Inspection: 7/29/10

Type of Inspection: Initial Announced Unannounced
 Routine Special

Next Inspection Date: 7/2012 Normal Reduced
Justification for reducing the routine inspection interval: NA

Summary of Findings and Actions:

- No violations cited, clear U.S. Nuclear Regulatory Commission (NRC) Form 591 or regional letter issued
- Non-cited violations (NCVs)
- Violation(s), Form 591 issued
- Violation, regional letter issued
- Followup on previous violations

Inspector 
Michael LaFranzo, Health Physicist

Date 8/5/10

Approved 
Tamara E. Bloomer, Chief
Materials Inspection Branch

Date 8/9/10

PART I-LICENSE, INSPECTION, INCIDENT/EVENT, AND ENFORCEMENT HISTORY

1. AMENDMENTS AND PROGRAM CHANGES:

<u>Amendment No.</u>	<u>Date</u>	<u>Subject</u>
14	11/16/09	Addition of authorized users
13	7/13/09	Addition of authorized user
12	3/3/09	Addition of 10 CFR 35.200 activities and authorized user
11	11/21/08	Addition of HDR unit and authorized medical Physicist
10	6/11/08	Change in RSO

2. INSPECTION AND ENFORCEMENT HISTORY:

A special inspection was conducted on 5/13/09 to review circumstances surrounding a greater than expected skin effect from a breast cancer treatment using licensed material (IR 030-37082/2009-001(DNMS)). No violations of NRC requirements were identified.

Last routine inspection conducted on 5/20/08 (IR 030-37082/2008-001(DNMS)). No violations of NRC requirements were identified.

3. INCIDENT/EVENT HISTORY:

A special inspection was conducted on 5/13/09 to review circumstances surrounding a greater than expected skin effect from a breast cancer treatment using licensed material (IR 030-37082/2009-001(DNMS)). No violations of NRC requirements were identified. No other incident or events were noted since the last inspection.

PART II - INSPECTION DOCUMENTATION

1. ORGANIZATION AND SCOPE OF PROGRAM:

The licensee was a medical clinic located in Columbia, Missouri, which primarily provided radiation oncology (HDR) and diagnostic nuclear medicine (PET) services. The licensee performs approximately 70 administrations of HDR per month and approximately 200 diagnostic administrations per quarter. The licensee also possessed a Sr-90 eye applicator – only one administration had been performed since the last inspection. The licensee had one full time technician for the diagnostic program, nine authorized users and three authorized medical physicists.

2. SCOPE OF INSPECTION:

Inspection Procedure(s) Used: 87130, 87132

Focus Areas Evaluated: 03.01 – 03.07

3. INDEPENDENT AND CONFIRMATORY MEASUREMENTS:

The inspector performed independent radiation measurements in restricted and unrestricted areas including the HDR unit; no abnormal radiation levels were identified. The inspector also performed a comparison radiation level survey between NRC and licensee radiation measurement instruments; radiation levels were within acceptable limits.

4. VIOLATIONS, NCVs, AND OTHER SAFETY ISSUES:

Condition 16 of License No. 24-32604-01 states, in part, that the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in a letter dated September 2, 2005. Item 9 within letter dated September 2, 2005, states, in part, that the Micro-Selectron HDR unit is the only unit in the room; therefore there is no other radiation producing equipment in the room.

Contrary to the above, as of July 29, 2010, an X-ray machine, which produces radiation, was used and stored in the same room as the Micro-Selectron HDR unit. When the commitment was made to the NRC, the licensee was in a different location than during this the inspection. The licensee moved to the new location in 2007 and forgot that they had made the commitment not to have other radiation production machines in the same room as the HDR. The licensee

explained that, based upon the small space, different locations of the control panels for each unit and the two different modalities being used, it would not have been reasonably possible for both units to be active at the same time. The licensee committed to submit an amendment to the NRC with 30 days of the inspection so that the X-ray unit and the HDR can be co-located.

No other violations or concerns were identified during the inspection.

5. **PARTIAL LIST OF PERSONNEL CONTACTED:**

#* Willis Brumley – Authorized Medical Physicist and RSO
Iris Ouyang – Authorized Medical Physicist

Use the following identification symbols:

Individual(s) present at entrance meeting

* Individual(s) present at exit meeting

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