

NRC FORM 591M
PART 1
(10-2003) 10 CFR
2.201

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

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| 1. LICENSEE/LOCATION INSPECTED: Missouri Cancer Associates, LLC Suite 100 105 Keene Street Columbia, MO | | 2. NRC/REGIONAL OFFICE Nuclear Regulatory Commission Region III 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532 | |
| REPORT 2006/001 | | | |

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| 3. DOCKET NUMBER(S) 030-37082 | 4. LICENSEE NUMBER(S) 24-32604-01 | 5. DATE(S) OF INSPECTION 04/25/2006 |
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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) 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 | Tony Go | | 04/25/2006 |

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| 1. LICENSEE Missouri Cancer Ass., LLC REPORT 2006/001 | | 2. NRC/REGIONAL OFFICE Region III | |
| 3. DOCKET NUMBER(S) 030-37082 | 4. LICENSE NUMBER(S) 24-32604-01 | 5. DATE(S) OF INSPECTION 04/25/06 | |
| 6. INSPECTION PROCEDURES 87131 | 7. INSPECTION FOCUS AREAS 03.07- 03.01 | | |

SUPPLEMENTAL INSPECTION INFORMATION

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| 1. PROGRAM 2230, 2210 | 2. PRIORITY 2 | 3. LICENSEE CONTACT Mark Bryer, MD, Rebecca Middleton, Ph.D. | 4. TELEPHONE NUMBER 573-442-5525 |
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Main Office Inspection Next Inspection Date: 04/2008

Field _____

Temporary _____

PROGRAM SCOPE

The licensee is a small clinic that performed 10 CFR35.400 and 35.600 procedures. Specifically, the licensee was also approved for Sr-90 eye-applicator to treat Pterygium eye disease and also HDR afterloader brachytherapy cancer treatments. The licensee is located in an office facility in Suite 100 of 105 Keene Street, Columbia, MO. The oncology clinic operated a Nucletron HDR unit, and currently, the clinic performed approximately 64 HDR cases (fractions) between December 28, 2005 to March of 2006. The licensee had not purchased or used the Sr-90 eye applicator because currently all eye treatments were conducted in Boone Memorial Hospital which located less than three miles from the licensee's facility. The licensee is staffed by one authorized physicist, a dosimetrist and seven authorized users. During the inspection, the licensee had retained a new physicist for the HDR unit. The licensee had just recently amended the license for the new physicist.

Performance Observations

During the inspection, the inspector observed ~~that~~ the physicist and the staff using whole body dosimeters. During the inspection, the Nucletron Microselectron HDR V2 unit was stored at the licensee's dedicated LINAC room. The unit was properly maintained by the manufacturer during the quarterly preventive maintenance. The records indicated that the licensee's staff conducted multiple fractions for both lung and gynecological therapies with the HDR unit. The HDR unit maintenance record was also reviewed during the inspection, and there were no security problems identified during the inspection.