

SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE Radiation Oncology Associates REPORT NUMBER(S) 2010-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-36814	4. LICENSE NUMBER(S) 13-32551-01	5. DATE(S) OF INSPECTION January 6, 2010	
6. INSPECTION PROCEDURES USED 87132	7. INSPECTION FOCUS AREAS 03.01-03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM 2230	2. PRIORITY 2	3. LICENSEE CONTACT Carmen Kmety-Stevenson, Ph.D.	4. TELEPHONE NUMBER 260-4364116
--------------------	------------------	--	------------------------------------

Main Office Inspection Next Inspection Date: January 2012

Field Office

Temporary Job Site Inspection

PROGRAM SCOPE

This active oncology program performs approximately 70 fractionated treatments per month utilizing a GammaMed HDR unit containing iridium-192 as boost from the licensee's on-site LINAC as authorized. Primary procedures involve breast and gynecological. Three authorized users, two physicists and two dosimetrists are involved with the program.

Performance Observations

A daily operations check was performed during the review and included: source retract upon attempted entry, source condition lights, operability of the CCTV and intercom, availability of emergency handling equipment, and source timer accuracy checks with no problems noted.

A random review of patient treatment files and contained procedure written directives to include treatment site and prescribed dose.

Independent measurements taken at the unit surface indicated 0.5 mr/hr. Readings at about three feet indicated 0.04mr/hr. Readings in adjacent areas with the source exposed did not indicate results above expected.

Emergency procedures were observed posted at the console. Overall security of the device and treatment room was adequately maintained and the unit was not readily accessible to members of the general public. The licensee exchanges dosimetry badges quarterly. Personal dosimetry results for the period 2008 and 2009 did not approach 10 CFR 20 limits.

The device manufacturer performed a source exchange on 10/15/09. A review of this documentation indicated that all required device and area surveys were performed.