

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE Scott Radiological Group, Inc. REPORT NUMBER(S) 2009-01		2. NRC/REGIONAL OFFICE NRC Region III 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532-4351	
3. DOCKET NUMBER(S) 030-36097	4. LICENSE NUMBER(S) 24-32416-01	5. DATE(S) OF INSPECTION April 22, 2009	
6. INSPECTION PROCEDURES USED 87132	7. INSPECTION FOCUS AREAS 1, 2, 4, 5, 6, and 7		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02230	2. PRIORITY 2	3. LICENSEE CONTACT Tim O'Leary, M.D., RSO	4. TELEPHONE NUMBER (636)-933-0303
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Main Office Inspection Next Inspection Date: April 2011

Field Office _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

The licensee is authorized to use Ir-192 in HDR afterloading brachytherapy devices. Mobile HDR devices are transported to the licensee's facility by Midwest Brachytherapy Services, Inc., an NRC licensee located in St. Louis, and used under Scott Radiological Group's license. One treatment has been performed at Scott Radiological since the last inspection in 2007. At the time of this inspection, the licensee was not in possession of an HDR unit. The RSO/Authorized User was present for the inspection. Whole body dosimetry results for the RSO/Authorized User for the calendar year end 2008 and the first month of 2009 were minimal (M).

Performance Observations

Based on interviews of the RSO/User, the inspector concluded that he was knowledgeable of the licensed program and his responsibilities in the safe use and security of the HDR devices. The inspector also observed the RSO/User demonstrate the interlock system of the LINAC room where the HDR units are used. The RSO/User also described how post-treatment surveys are conducted of patients and the HDR unit to verify the source has properly returned to the safe position; security of the unit while at Scott Radiological; utilization of written directives; and daily spot checks of the device when it's on-site.

The RSO/Authorized User also described how written directives are prepared and signed. The inspector reviewed the written directive that was issued for the one treatment that was conducted since the last inspection. No problems were identified.

The inspector also conducted a telephonic interview of the Medical Physicist (MP) who is listed on Scott Radiological Group's license. The MP is part-owner of Midwest Brachytherapy Services, and also listed on Midwest's license as a MP. The MP stated that the HDR units used at Scott Radiological each had a source exchange and full calibration done in October 2008.

No violations were identified.

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