

**LICENSEE EVENT REPORT EVALUATION FORM**

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**EVENT CLASS: MED – LEAKING SOURCE****LICENSEE / REPORTING PARTY INFORMATION:**

Licensee/Reporting party name:	Sanford Medical Center		
License number :	40-12378-01		
Docket number :	030-03249		
Licensee's City of record :	Sioux Falls		
Licensees State of record :	South Dakota		
NRC regulated?	Yes	If so, what Region?	IV
Working under reciprocity?	No		

**EVENT INFORMATION:**

In what City and State did the event occur?	Sioux Falls, South Dakota
Event date :	06/06/2012
Discovery date :	06/06/2012
Report date :	07/10/2012
Agreement State reportable?	No
NRC reportable?	Yes
Reporting regulation :	Reportable threshold in accordance with 10 CFR 35.3067
NMED Item Number :	Event #N/A

**ADDITIONAL PARTIES INVOLVED:**

Name :	N/A
License number :	
City :	
State :	

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**EVENT CLASS: MED – LEAKING SOURCE****CONSULTANT INFORMATION (if any):**

Consultant name :	N/A
Company :	
Who hired consultant?	N/A

**DEVICE INFORMATION:**

Manufacturer :	N/A
Model number :	
Serial number :	

**RADIATION SOURCE INFORMATION:**

Isotope :	Cesium-137
Activity :	205.8 µCi      Assay Date: 11/1/2001
Manufacturer :	Isotope Product Laboratories
Model number :	N/A
Serial number :	787-37-35

**ADDITIONAL INFORMATION REQUIRED:**

Procedure administered?	N/A
Dose intended?	N/A
Dose administered?	N/A
Target organ?	N/A

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**EVENT CLASS: MED – LEAKING SOURCE****NARRATIVE EVENT DESCRIPTION:**

On July 6, 2012 the cap of this sealed source broke while performing routine quality control procedure. A leak test was performed to determine if the source was leaking. The leak test showed a removable activity of 7.7 nanoCuries. The last routine leak test conducted on June 6, 2012, showed results at or below the minimum detectable activity (MDA) for Cs-137.

**CORRECTIVE ACTIONS:**

Report Required by 10CFR 35.3067 was submitted on July 10 2012, to U.S. NRC Region IV via email: [RidsRgn-4MailCenter@nrc.gov](mailto:RidsRgn-4MailCenter@nrc.gov). Copy Via Mail: ATTN: Document Control Desk Director Office of Federal and State Materials and Environmental Management Programs U.S. Nuclear Regulatory Commission Washington, DC 20555-0001, from: Sanford Medical Center, 1305 W. 18th Street, Sioux Falls, SD 57117-5039.

The source was immediately taken out of service until it could be repaired. The source was repaired on the same day as the incident by the CNMT and the medical physicist. A replacement cap was installed on the source and the leak test was repeated. The results of the post-repair leak test were 0.05 nanoCuries which was the MDA for the Captus 3000 scintillation counter used for assaying the swipe. Personnel, personal equipment and work areas were swipe tested. No Cs-137 contamination was detected. The source was placed back into service and is still in use at this time because the source no longer presented a contamination hazard.

**RECOMMENDED FOLLOWUP:**

Was a reactive inspection conducted?	Yes	If so, inspection report number : 2013/001	Routine inspection is scheduled for May 2013
Is LER recommended for closure?	Yes		
Is this NMED Item Number recommended to reflect "complete"?	Yes		
LER Evaluator:		Branch Chief or Designee Review:	
Name: <u>Muñoz</u> Date: <u>4/26/2013</u>		Name: <u>[Signature]</u> Date: <u>5/6/2013</u>	