

LICENSEE EVENT REPORT EVALUATION FORM

EVENT CLASS: LKS - LEAKING SEALED SOURCES

LICENSEE / REPORTING PARTY INFORMATION:

Licensee/Reporting party name:	DMS Health Technologies		
License number :	40-32477-01		
Docket number :	030-36404		
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?	Maple Grove, Minnesota
Event date :	February 11, 2014
Discovery date :	February 11, 2014
Report date :	February 17, 2014 (ADAMS: ML15159B268)
Agreement State reportable?	Yes
NRC reportable?	Yes
Reporting regulation :	License Condition 13.F.
NMED Item Number :	140210

ADDITIONAL PARTIES INVOLVED:

Name :	DMS Health Technologies
License number :	Minnesota License 1062-302-89 (expires 12/31/2016)
City :	Sioux Falls
State :	South Dakota

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CONSULTANT INFORMATION (if any):

Consultant name :	None
Company :	
Who hired consultant?	

DEVICE INFORMATION:

Manufacturer :	N/A
Model number :	N/A
Serial number :	N/A

RADIATION SOURCE INFORMATION:

Isotope :	Cs-137	
Activity :	284.6 microCuries (calibrated on January 1, 2004)	
Manufacturer :	North American Scientific	
Model number :	MED3550	
Serial number :	48082	

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NARRATIVE EVENT DESCRIPTION:

Licensee performed a leak test on a dose calibrator standard of a North American Scientific MED3550 Cs-137 sealed source, S/N 48082 in Maple Grove (outside of Minneapolis), Minnesota, on February 10, 2014 when the source was in a mobile PET/CT truck. The wipe was sent back to the licensee's headquarters in Sioux Falls, South Dakota for analysis. On February 11, 2014, the wipe was counted, and was determined to be 37.27 nanoCuries, which is in excess of the 5 nanoCurie reporting requirement found in License Condition 13.F. The source was taken out of service immediately and transported from Maple Grove, Minnesota to the licensee's facility in Sioux Falls, South Dakota, since the licensee's Minnesota license (#1062-302-89) does not have authorized storage at a physical facility. Wipes were also collected in the surrounding areas that were near the leaking source in the PET/CT truck and none measured greater than 2200 dpm. A written report was sent to NRC Region IV, dated February 17, 2014 (ML15159B268). In addition a written report, dated February 16, 2014, was sent to the State of Minnesota Radiation Control Program.

CORRECTIVE ACTIONS:

Licensee has committed to proper disposal of the MED2550 S/N 488082, which has undergone wipe tests following the event (which was discovered on February 11, 2014) on February 26, 2014, May 8, 2014, September 11, 2014, December 12, 2014, and March 6, 2015. None of the leak tests since have measured greater than the reporting requirement of 5 nanoCuries. Nonetheless, the licensee has committed to treating the MED3550 as a leaking source.

NRC inspectors were on-site in Sioux Falls, South Dakota for a routine inspection of DMS Health Technologies on June 17, 2015. The source was in a lead-lined container in the Licensee's hotlab/rad-storage area, double-wrapped in sealed plastic bagging, each of which was wrapped with 'caution: radioactive materials' tape. Inspectors confirmed the S/N and the presence of radioactive materials in the vial.

RECOMMENDED FOLLOWUP:

Was a reactive inspection conducted?	N	If so, inspection report number :	N/A
Is LER recommended for closure?	Y		
Is this NMED Item Number recommended to reflect "complete"?	Y		

LER Evaluator:	Branch Chief or Designee Review:
Name: <u>Jason van der</u> Date: <u>6-26-15</u>	Name: <u>David Campbell</u> Date: <u>6/26/15</u>