

LICENSEE EVENT REPORT EVALUATION FORM

EVENT CLASS: LAS - LOST, ABANDONED, STOLEN MATERIAL

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 :	SD		
NRC regulated?	Yes	If so, what Region?	IV
Working under reciprocity?	N/A		

EVENT INFORMATION:

In what City and State did the event occur?	Sioux Falls, SD
Event date :	12/01/2014
Discovery date :	12/01/2014
Report date :	12/01/2014
Agreement State reportable?	No
NRC reportable?	No
Reporting regulation :	N/A
NMED Item Number :	N/A

ADDITIONAL PARTIES INVOLVED:

Name :	Wheelco
License number :	N/A
City :	Sioux Falls
State :	SD

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CONSULTANT INFORMATION (if any):

Consultant name :	None
Company :	N/A
Who hired consultant?	N/A

DEVICE INFORMATION:

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

RADIATION SOURCE INFORMATION:

Isotope :	I-123 unsealed	Tc-99m unsealed
Activity :	0.4324 mCi	46.000 mCi
Manufacturer :	N/A	N/A
Model number :	N/A	N/A
Serial number :	N/A	N/A

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NARRATIVE EVENT DESCRIPTION:

In addition to the unsealed materials listed above, the following sealed sources were involved in the incident: Cs-137: 500 nCi on 03/01/2002; Cs-137: 213.7 uCi on 10/01/2001; Co-57: 10 mCi on 06/01/2013.

On December 1, 2014, a nuclear medicine truck (2013 Peterbuilt) that contained sealed sources and unsealed radioactive material was involved in an incident. At the time of the incident, the coach (back portion) of the truck where the radioactive material was stored, was locked. However, the cab (driver portion) of the truck was unlocked. The driver went into a convenience store at a gas station, left the truck running (keys in the ignition), and did not lock the doors to the cab. The driver's written statement indicated that the parking brake was set and the engine was put in neutral and was set to high throttle to warm the engine. During the time the driver was in the convenience store, the truck engaged ("took off") with no driver, crossed a parking lot, crossed a north/south street, and hit the front of a business called Wheelco. The glass door to the Wheelco facility was shattered and there was minor damage to the truck headlights and front bumper. There were no personal injuries reported. The driver's written report indicated that the police were contacted but a police report was not provided.

The licensee's Radiation Safety Officer (RSO) performed radiation surveys of the truck and found results consistent with background radiation levels. The RSO also conducted wipes for removable contamination. Wipes were taken of the driver's compartment, the sidewalk area near the truck, the three sealed sources, and of other areas inside of the coach. The results were consistent with background measurements.

The licensee's written report dated 12/03/2014 is in ADAMS ML14339A601.
The licensee's supplemental information can be found in ADAMS package ML15034A527.

CORRECTIVE ACTIONS:

The licensee conducted an internal investigation and based on the results, initiated corrective actions. Specifically, additional keys were made so that the cab doors can be locked even if the engine is running. Technologists were instructed to never leave the vehicle unattended without the doors being locked. Additionally, the licensee put in place a policy to prohibit the use of "high idle" when the truck is left unattended. Placards indicating this prohibition were placed in the cab and the drivers were observed by the licensee to be complying with this new policy. Other changes were made to the policy including drivers making sure that the air brake or parking brake is set; that the transmission is in neutral or park; that chocks are placed on each side of one of the tires; and that the truck not be parked past a certain incline.

Licensee management did not assign blame to any individual but rather described the event as a corporate failure of risk assessment and mitigation.

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RECOMMENDED FOLLOWUP:

Was a reactive inspection conducted?	No	If so, inspection report number :	N/A
Is LER recommended for closure?	Yes	Recommended follow-up: The next inspector should review the licensee's corrective actions during the next routine inspection.	
Is this NMED Item Number recommended to reflect "complete"?	N/A Yes		

LER Evaluator: <i>Janine F. Katanic</i> Name: <u>Janine F. Katanic, PhD, CHP</u> Date: <u>3/16/15</u>	Branch Chief or Designee Review: <i>Anthony J. Dan</i> Name: <u>Anthony J. Dan</u> Date: <u>3/18/15</u>
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