DEPARTMENT OF THE ARMY
UNITED STATES ARMY TACOM LIFE CYCLE MANAGEMENT COMMAND
6501 EAST 11 MILE ROAD
WARREN, MICHIGAN 48397-5000

REPLY TO
ATTENTION OF:

AMSTA-CSC-Z
US Army TACOM Life Cycle Management Command

27 JUL 2009

Regional Administrator
U.S. Nuclear Regulatory Commission
Division of Nuclear Safeguards
2443 Warrenville Road Suite 210
Lisle, Illinois 60532-4352

SUBJECT: US Army 30 Day Report Pertaining to Lost Improved Chemical Agent Monitors (ICAMs) Shipped from Oregon National Guard (ORNG) to Guam National Guard(NG)

Reference: NRC License No. 12-00722-06
Incident Report No. 45158

Dear Sir or Madam:

This thirty-day report is in accordance with 10 CFR Part 20.2201(a)(ii). The event was reported to the licensee, TACOM-RI on 9 February 2009 by the US Army Communications and Electronic (CECOM) Life Cycle Management Command. The lost ICAMs each contain 10 millicuries of Ni63 in sealed source form. The commodity is assigned SSDR NR 1129-D-103-S (NSN 665-01-357-8502). The licensee performed a site investigation at the ORNG Combined Support Maintenance Shop (CSMS), Clackamas, OR on 13 February 2009 to determine facts regarding the two lost ICAMs.

Two ICAM's were lost during shipment from ORNG, Clackamas OR to Guam NG, Barrigada, Guam in August 2007. On 16 April 2007 a Guam NG owning unit notified the ORNG, CSMS shop they had not received their two ICAMs that were sent into the ORNG CSMS for repair. The ORNG CSMS shop verified that they did receive and repair the two ICAMs (s/n M-12634 and M-12633) from the Guam NG. Upon completion of the repair, the two ICAMs were prepared for

shipment at the ORNG CSMS on 31 May 2007. ORNG CSMS personnel who prepared the shipment, verified the package contained two ICAMs, one M22 detector and four night vision devices (not radioactive). The ORNG United States Property & Fiscal Office (USPFO) shipped the commodities in accordance with 10 CFR part 173.424. The package was shipped as radioactive material, instruments, excepted package, UN 2911. The package was shipped primarily by military means of transport and was processed by different Defense agencies. The package containing the two ICAMs was shipped by a commercial carrier, Bax Global and delivered to the Defense Distribution Agency San Joaquin Consolidation Point (DDASCP), Tracy CA on 31 May 2007. Between 31 May and 12 August 2007 the package was sent to this Federal facility for processing and staging for transport to Travis Air Force Base, CA. During this time the contents of the original package from ORNG was repackaged at the Defense Logistics Agency (DLA) warehouse by DDASCP personnel because the night vision devices required special tracking. The ICAMs and M22 detector were repackaged separately and awaited transportation to Travis Air Force Base, CA. The package containing the two ICAMs was shipped by commercial carrier to Travis Air Force Base, CA on or near 8 August 2007. Between 8 and 14 August 2007 the package containing the two ICAMs was consolidated with other packages at Travis AFB under TCN no. W81B3171505005AXX and awaited shipment to the island of Guam. The packages were shipped by military aircraft to Anderson Air Force Base, Guam. The shipment was delivered to the Naval Supply Depot in Agana Guam for transport to Guam National Guard Joint Force HQ, Guam National Guard, 430 Army Dr. Bldg. 100 Room 113, Barrigada GU 96913-4421. The Guam NG never received the two ICAMs, they did however receive the M22 detector which was packaged separately from the two ICAMs.

The license Radiation Safety Officer (RSO) contacted the RSOs from the following defense services and directed them to conduct a physical search for the two missing ICAMs; ORNG, Clackamas OR, Guam NG, Guam, Defense Distribution Agency San Joaquin Consolidation Point (DDASCP), Tracy CA, Travis AFB, CA, Anderson AFB, Guam. Results of the search for all locations were negative. In addition, the licensee requested the Navy and Air Force RSOs to search their inventory database for the two ICAMs. Results were also negative. The licensee requested assistance from the HQ Air Mobility Command (AMC), Scott AFB, IL in

tracking down the shipment history for TCN W81B3171505005AXX. The licensee was able to determine by data provided by AMC that the packages associated with the shipment, containing the two ICAMs, were signed for by the United States Property & Fiscal Office, Guam Army National Guard on 20 August 2007. This location was searched for the missing ICAMs with negative results. The ICAMs were under Department of Defense (DoD) control the majority of the time during the transport of the devices. The island of Guam is basically a military installation with a very small civilian population. The licensee believes the ICAMs are located at some location under DoD control and have not entered the limited public domain on the island. The licensee will continue to check the Army Property Book Database to see if any Guam NG unit or Navy unit picks up the ICAMs during an inventory cycle.

Corrective Action

The licensee has directed the ORNG CSMS and other Army repair activities whose mission is to return repaired ICAMs back to Army units, that they ship them as excepted packages using a commercial carrier with tracking capability and delivery verification by either Fed EX, UPS, or similar carrier. Consolidating radioactive commodities through Defense Logistics Agencies (DLA) facilities throughout the US will not be an option when shipping small quantities of chemical detectors/monitors in support of the Army chemical detection equipment repair mission.

Immediate notification must be given to the licensee upon discovering missing licensed material. The ORNG CSMS RSO will amend the Oregon Sustainment Maintenance Site SOP dated 21 October 08, paragraph 1-8, Emergency Procedures to include immediate notification to the licensee (TACOM-LCMC) when licensed material is discovered lost. Although the State of Oregon radiation safety program is administered by US Army CECOM, they are not the licensee. The licensee (TACOM LCMC) will notify US Army CECOM LCMC of all NRC reportable incidences when they occur and request assistance in investigating reportable events.

The point of contact for this incident is Mr. Thomas G. Gizicki, Senior Health Physicist, NRC License RSO, TACOM-RI Safety Office, (309) 782-2965.

Sincerely,

George G. Jarvis
TACOM LCMC Safety Director

CF:
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