



DEPARTMENT OF THE ARMY
HEADQUARTERS, US ARMY COMMUNICATIONS-ELECTRONICS COMMAND
AND FORT MONMOUTH
FORT MONMOUTH, NEW JERSEY

Lic. #29-01022-11
DOCKET NO. 30-10362
SLIP-EL-82-45

REPLY TO
ATTENTION OF

AMSEL-SF-RIR

AMCSEF/87-0010

20 January 1987

SUBJECT: Loss of Radioactive Test Sample, MX-7338/PDR-27()

THRU: ~~Commander
U.S. Army Materiel Command
ATTN: AMCSEF-P
5001 Eisenhower Avenue
Alexandria, Virginia 22333-0001~~

[Handwritten signature]
30 Jan 87

TO: U.S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

1. Reference U.S. Nuclear Regulatory Commission Byproduct Material License Number 29-01022-11.

2. Referenced license, issued to this command, authorizes the possession and use of the MX-7338/PDR-27() Test Samples by the Department of the Army. In accordance with Title 10, Code of Federal Regulations, Part 20.402, the following information regarding the loss of three each test samples is provided:

a. On 30 December 1986, this command was apprised of the loss of three (3) each MX-7338/PDR-27() Radioactive Test Samples, each containing five millicuries of Krypton-85. The MX-7338/PDR-27() is a five inch wand-shaped check source used to check the functional operation of the AN/PDR-27() standard Army beta-gamma radiation detection instrument (radiac set). The AN/PDR-27() Radiac Set is comprised of a metal carrying case housing the radiation detection instrument, the MX-7338/PDR-27(), Radiactive Test Sample, spare Geiger-Mueller tubes and other ancillary components.

b. The three MX-7338/PDR-27() samples were incorporated into three each AN/PDR-27() Radiac Sets assigned to Battery A, Battery B and Service Battery, 5th Battalion, 5th Field Artillery, Fort Tilden U.S. Army Reserve Center, Fort Tilden, NY. During the period 7-21 October 1986, while conducting a staff assistance visit, it was discovered that three MX-7338/PDR-27() Test Samples were not in their respective AN/PDR-27() carrying cases. Investigations and a physical search of the unit areas failed to locate the sources.

c. Actions taken to prevent recurrences: Standard Operating Procedures for the check out and hand receipt of AN/PDR-27() Radiac Sets have changed to include a physical inventory of each AN/PDR-27() Radiac Set and associated contents prior to issue and inclusion of the serial number of the MX-7338/

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RETURN ORIGINAL TO
REGION I

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S/B

AMSEL-SF-RIR

20 Jan 87

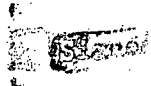
SUBJECT: Loss of Radioactive Test Sample, MX-7338/PDR-27()

PDR-27() Test Sample on inventory records.

3. Point of contact, this command, is Mr. Joseph Furia, AV 995-4427.

4. CECOM - Providing Soldiers the Decisive Edge.

FOR THE COMMANDER:


STEVEN A. HORNE
Chief, Safety Office

CF: Cdr, FORSCOM, ATTN: AFPR-HRS

Led # 29-01022-11

I. ACTION CONTROL DATA

Licensee DEPARTMENT OF THE ARMY - COMMUNICATIONS-ELECTRONICS CO.

Event Description LOSS OF Q1 KRPTON-85 TEST SAMPLES

Event Date 12-30-86

Report Date 1-20-87

II. REPORTING REQUIREMENT

- ☒ 10 CFR 20.402 - theft or loss ☐ 10 CFR 35.42 Therapeutic Misadministration
☐ 10 CFR 20.403(a)(b) overexposure/release ☐ 10 CFR 35.43 Diagnostic Misadministration
☐ 10 CFR 20.405 - 30 day report ☐ License Condition
☐ Other _____

III. REGION I RESPONSE

- ☐ Immediate Site Inspection Inspector _____ Date _____
☐ Special Inspection Inspector _____ Date _____
☐ Telephone Inquiry Inspector _____ Date _____

Licensee Representative and Title _____

- ☐ PM ☐ Daily Report
☒ Information entered - Region I log and Outstanding Items List
☒ Review at next routine inspection

IV. REPORT EVALUATION

- ☒ Description of Event ☒ Corrective Actions
☒ Levels of R/M involved ☐ Calculation Adequate
☐ Cause of Event ☐ Letter to Licensee requesting additional information

Completed by: R. H. Ladum

Date 3-12-87

Reviewed by: J. D. Krum

Date 3/17/87

V. SPECIAL INSTRUCTIONS OR COMMENTS