



HEADQUARTERS
DEPARTMENT OF THE ARMY
OFFICE OF THE SURGEON GENERAL
WASHINGTON 25, D. C.

IN REPLY REFER TO
MEDPS-PO

29 November 1960

SUBJECT: Overexposure to Ionizing Radiation

ARM3.941209.132

THRU: Commanding General
First United States Army
ATTN: Surgeon *MC 20 Dec 60*
Governors Island
New York 4, New York

TO: Commanding General
ATTN: Surgeon
Fort Monmouth, New Jersey

1. DA Message DTG 281400Z November (copy inclosed) indicates that B. Markow of your command received a dose of ionizing radiation of 1050 millirems during the period of 13 - 19 November 1960.

2. A dose of 1050 millirems is considerably in excess of the 300 millirems total body radiation permissible in one week. Should such incidents recur frequently, serious impairment to the health of the individual could result.

3. Request that the cause of this overexposure be investigated and information on the results be forwarded to this office, ATTN: MEDPS-PO. The physicists at the U. S. Army Environmental Hygiene Agency are available to give assistance upon written request to this office.

FOR THE SURGEON GENERAL:

1 Incl
as

Charles W. Kraul
CHARLES W. KRAUL
Lt Colonel, MC
Preventive Medicine Division

Washington National Record Center
Office of the Army Surgeon General
Record Group 112

Accession #: *67A-4511*
Box #: *43*
File: *Overexposure First U.S. Army*

COPY

EUC026MAVPQ00

MM RUEPC

DE RUETDA 31

ZNR

P M 281400Z

FM CO LEXINGTONSIGDEP LEXINGTON KY

TO RUEPGI/CO USA SIG RD LAB FTMONMOUTH NJ

INFO RUEPC/TSG DA WASH DC

DA GRNC

BT

UNCLAS LX17969 FOR CHIEF RADIOLOGY SVC SIGRA/SL-XST INFO MEDCE-OH

FROM SIGDL-4C FILM NR 017UAB WORN BY B. MARKOW PD OF 13 NOV THRU 19

NOV 60 INDC DOSAGE OF 1050 MILLIREMS/1.050 REMS/

BY

CFN LX17969 SIGRA/SL-XST MEDCE-OH SIGDL-4C 017UAB 13 19 60 1050 1.050

28/1623Z

29 Nov

COPY

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Accession #: *67A-4511*

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SIGFM/SU (29 Nov 60) 1st Ind
SUBJECT: Overexposure to Ionizing Radiation

Hq USA Sig Tng Comd and Ft Monmouth, Ft Monmouth, N. J., 22 DEC 1960

TO: The Surgeon General, ATTN: MEDPS-PO, Department of the Army,
Washington 25, D. C.

In compliance with paragraph 3, basic communication, the following information is furnished:

a. The exposure dose of ionizing radiation received by Mr. Basil Markow on 13 November 1960 occurred during the process of changing the 115 Curie CO 60 source capsule from one pig to another. This was necessary to collimate the beam required for the experiment conducted at the Oakhurst Tower Area. The holder which contained the source capsule had a screw top. This could not be removed by slave manipulators from the control room in the underground vault. The manual removal of the screw top was determined possible in a practice run without the source. The exposure was computed to be approximately 900 millirems. With this additional dose Mr. Markow would not receive a dose greater than 3 rems. during the current calendar quarter. His record showed his lifetime accumulated dose was less than 5 rems.

b. Mr. Aldrich, Safety Officer, this headquarters, approved the exposure in accordance with Title 10 CFR part 20 prior to the actual exposure.

FOR THE COMMANDER:

L. R. Usnick
L. R. USNICK
Lt Col, XGC
Asst AG

1 Incl
nc

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