

MEDPS-PO

26 July 1962

ARM2.941209.169

SUBJECT: Overexposure to Ionizing Radiation

THRU: Commanding General
Second United States Army
ATTN: Surgeon
Fort George G. Meade, Maryland

TO: Commanding General
ATTN: Surgeon
Army Chemical Center, Maryland

1. DA Message DTG 061500Z July (copy inclosed) indicates that PFC Ronald L. Kasperek and PFC Edward J. Kaloudis received doses of ionizing radiation of 2120 and 2050 millirems respectively during the two day period, 19 - 20 June 1962.

2. Doses of 2120 and 2050 millirems are considerably in excess of the permissible total body radiation during a two day period. Should such incidents recur frequently, serious impairment to the health of the individuals 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. If assistance is desired in studying this matter or reviewing your radiological hygiene program, the services of the U. S. Army Environmental Hygiene Agency are available upon written request to this office.

FOR THE SURGEON GENERAL:

1 Incl
as

ADAM J. RAPALSKI
Colonel, MC
Chief, Preventive Medicine Division

Lloyd C. Mac Muzray
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Lt. Colonel, MSC
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Washington National Record Center
Office of the Army Surgeon General
Record Group 112

Accession #: 67A-4511

Box #: 43

File: Over exposure Second U.S. Army



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

IN REPLY REFER TO
MEDPS-PO

26 July 1962

SUBJECT: Overexposure to Ionizing Radiation

THRU: ~~Commanding General~~
~~Second United States Army~~ D. F. H.
~~ATTN: Surgeon~~ 31 JUL 1962
~~Fort George G. Meade, Maryland~~

TO: Commanding General
ATTN: Surgeon
Army Chemical Center, Maryland

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ADAM J. RAPALSKI
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Chief, Preventive Medicine Division

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RECEIVED

RUEPDA

RUEPLS 069

6 JUL 62 21 40z

39045

Pres Med

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CO LEXINGTONSIGDEP LEXINGTON KY

RUEPAM/CO USACMLCORPS NUCLEARDEFLAB ARCMCEN MD

FO RUEPDA/TSG WASHDC

GRNC

UNCLAS LX19210 FOR CHIEF HEALTH PHYSICS OFC FROM SIGDL-8A

LM NR YFL 262 WORN BY PFC RONALD L. KASPAREK 19-20 JUN 62 INDC

USAGE OF 2.120 REM /2.120 MILLIREM/

LM NR YFL 266 WORN BY PFC EDWARD J. KALOUDIS 19-20 JUN 62 INDC

USAGE OF 2.050 REM /2.050 MILLIREM/

IN LX19210 SIGDL-8A YFL 262 19-20 62 2.120 2.120 YFL 266 19-20 62

.050 2.050

6/1847Z RUEPLS

*RECEIVED
6 JUL 62 10 11 AM '62*

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SMUEA-SD(26Jul62)
SUBJECT: Overexposure to Ionizing Radiation

1st Ind

23 AUG 1962

HQ, U. S. ARMY EDGEWOOD ARSENAL, Army Chemical Center, Md.

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

In compliance with paragraph 3, basic communication, an investigation was conducted by the Health Physics Officer, Nuclear Defense Laboratory, and the following facts were ascertained:

a. PFC Ronald L. Kasperek and PFC Edward J. Kaloudis are assigned as instructors at the CBR School, Army Chemical Center, Maryland. On the dates in question, 19 - 20 June, these individuals were participating in their unit field exercise.

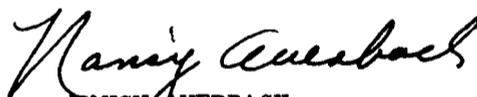
b. A telephone call was made to Mr Howard, Lexington Signal Depot, Lexington, Kentucky, and Mr Howard stated that both of the films were exposed from the rear and showed very sharp images of the filters which are housed in the film badge holder. Mr Howard was asked if he thought the exposures may have been intentional. He stated that it was possible since the images of the filters were very sharp. A close inspection of the film reveals a very sharp image of the rivet and clip which are mounted on the rear of the film badge holder. This shows that the film was exposed from the reverse side. Under almost all conditions personnel wear their film badge such that it is exposed from the front.

c. The Cobalt 60 source for the CBR School is normally used in Classroom exercises to calibrate radiac instruments and to demonstrate shielding effectiveness of various materials. Personnel are instructed not to approach the source closer than 2 feet. Calculations show that personnel would have to be exposed at 2 feet for at least 12.4 hours before an exposure of 2 r would have occurred. The source at the school was exposed for a total of 2 hours and 30 minutes during the week of 19 June.

d. From the above it is concluded that the two films in question were not worn by PFC Kasperek and PFC Kaloudis but were probably intentionally exposed to the source at a very close distance. Corrective measures have been taken to insure that incidents of this nature do not reoccur and the radiation area supervisor has been instructed to maintain close surveillance over the key to the Cobalt 60 source container.

FOR THE COMMANDER:

1 Incl
nc


NANCY AUERBACH
2 1st Lt, WAC
Asst Adjutant

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