

MEDPS-PO (29 Dec 61) 1st Ind
SUBJECT: Ionizing Radiation Hazard (X-Ray)

HQ, DA, OTSG, Washington 25, D. C. 4 APR 1962

THRU: Commanding Officer, Redstone Arsenal, ATTN: Surgeon,
Redstone Arsenal, Alabama

TO: Commanding General, U. S. Army Ordnance Missile Command, ATTN:
ORDXR-FMPT, Redstone Arsenal, Alabama

1. Reference DA Message, MEDPS-PO 441, TSG to CO, Redstone Arsenal
Alabama, dated 2 February 1962.

2. There is no requirement to publish a warning page on Ionizing
Radiation Hazard (X-ray) in HIPAR technical manuals. A thorough study
has been made by the U. S. Army Environmental Agency of the X-ray emission
from the radio-frequency generating equipment used at Nike-Hercules Guided
Missile Systems. It has been found that it is highly improbable that
personnel working around this equipment could receive a radiation dose
which would exceed 0.5 rem per year and that an individual will not receive
a dose in excess of 2.0 millirems in any one hour of continuous occupancy
of the area adjacent to the equipment.

a. This office considers that personnel in this area are exposed
to only negligible quantities of radiation and that the wearing of film
badges or other personnel dosimetric devices is not required. (See para-
graph 3a(2), AR 40-414, Non-Combat Personnel Dosimetry).

b. This office also considers that this is not a radioactive
work environment and that activities are not required to measure exposure
to ionizing radiation and record the results on DD Form 1141, Record of
Exposure to Ionizing Radiation, as provided for in paragraph 3, AR 40-431,
Record of Exposure to Ionizing Radiation.

FOR THE SURGEON GENERAL:

1 Incl
wd

LAURENCE A. POTTER
Colonel, M. C.
Executive Officer

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Dated 4 April 1962 Initials LS

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File: Ionizing Radiation From Microwave Radar Tubes

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