

Page

# NEW YORK SHIPBUILDING CORPORATION

MAIN OFFICE AND WORKS

CAMDEN 1, NEW JERSEY, U.S.A.

REFERENCE 19-86-65

CAMDEN March 23, 1965

## REGISTERED MAIL

Enclosure: (A) Copy of Radiation Exposure Report  
(B) Disciplinary Action

U. S. Atomic Energy Commission  
Division of Licensing and Regulations  
1717 "H" Street  
Washington 25, D. C.

Gentlemen:

In compliance with Atomic Energy Commission Regulations, Part 20.405, Paragraphs (a), (b) and (c) reports of over-exposures and excessive levels of concentrations: The following incident occurred Sunday, March 21, 1965.

Involved: Isotope - Iridium "192" 15 curies  
Budd Company Iriditron Model 100

1. Radiographer
2. Assistant

Assistants film badge was immediately processed with the following results:

### Dosage Received

Radiographer Estimated approximately 1500 m/r  
Assistant Radiographer 1500 m/r

(No other personnel in the area)

RECEIVED  
MAR 23 11 4-  
U.S. ATOMIC ENERGY COM. DIV.  
WASHINGTON, D.C.

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On Sunday, March 21, 1965 the 2nd shift Supervisor was informed by a Radiographer that a radiation incident had occurred, during radiography. The following is a report from the Radiographer and Assistant Radiographer of the above radiation incident:

The disconnect on the operating cable broke off approximately three feet from the camera and the Isotope (15 curies - Iridium "192) was stuck in the source tube. Total length of time the Isotope was out of the camera, including exposure time before disconnect broke, was approximately ten minutes.

The Radiographer lifted the extreme end of the source tube and shook the tube freeing the Isotope which slid down the source tube safely into the camera. The Radiographer was approximately twenty feet away from stuck Isotope. During this time the assistant held the camera steady and locked it after the Isotope was returned safely into the camera. It is my belief that the assistant Radiographer received the greater dose of radiation than did the Radiographer; this can only be assumed as the Radiographer was, for some unexplained reason, not wearing his film badge at the time of this incident. He admitted that this was in violation of both A. E. C. Rules & Regulations and the Radiation Safety Rules & Regulations of New York Ship Corporation. He was disciplined as follows:

Effective immediately he has been removed as a Radiographer and prohibited from any use of radiation producing material or equipment.

Blood counts will be given the Radiographer concerned and the assistant Radiographer two weeks from the incident date on the advice of our Dr. Locke.

This being a Sunday no other persons were involved.

Should further information be required please contact either E. P. Anderson, Radiation Protection Officer or the undersigned.

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R. J. Paulsen  
Isotope Administrator

k - Encl.

Manager New York Operations Office  
Atomic Energy Commission  
376 Hudson Street  
New York, 14, N. Y.

State of New Jersey  
Department of Health

(7)

(ENCLOSURE A)

March 23, 1965

TO:

SUBJECT: RADIATION EXPOSURE

This report is furnished you under the provisions of the Atomic Energy Commission regulations entitled, "STANDARDS FOR PROTECTION AGAINST RADIATION" (10 CFR Part 20).

You should preserve this report for future reference.

With regard to the radiation incident of March 21, 1965 those addressed received the following m/r:

1500 m/r  
(estimated)

1500 m/r

k

cc/ H. W. Locke, MD.  
A. E. C.  
N. J. Dept. of Health

## NEW YORK SHIPBUILDING CORPORATION

CAMDEN, N. J.

INTER-OFFICE CORRESPONDENCE

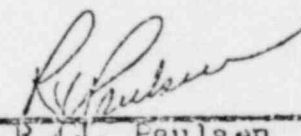
TO ALL RADIOGRAPHIC SUPERVISORS  
FROM R. J. Paulsen  
SUBJECT DISCIPLINARY ACTION

DATE March 23, 1965

FILE \_\_\_\_\_

Effective immediately

is relieved of all radiographic  
responsibilities.

  
\_\_\_\_\_  
R. J. Paulsen  
Isotope Administrator

k

(ENCLOSURE B)