



NATIONAL CENTER FOR
RADIOLOGICAL HEALTH

12720 Twinbrook Pkwy.

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE
ROCKVILLE, MARYLAND 20852

*no reply
files*
REFER TO: NCRH: TMDP

November 13, 1968

Mr. Cecil A. Buchanan
Assistant Chief, Isotopes Branch
Division of Materials Licensing
U.S. Atomic Energy Commission
Washington, D.C.

Dear Mr. Buchanan:

We would like to take this means of expressing our appreciation for your presentation in the Occupational Radiation Protection course conducted at the National Center for Radiological Health, October 28 - November 8, 1968.

Several individuals indicated that your talk was most valuable to them and was very well presented.

I would also like to thank you for taking the time to look up that particular license for me.

Thank you once again for your willing cooperation in the presentation of this course. I hope we will be able to prevail upon you in the future to do it again.

Sincerely yours,

Edwin A. Miller

Edwin A. Miller
Rockville Radiological Health
Training Section
Training and Manpower Development
Program

Information in this record was deleted in
accordance with the Freedom of Information Act.
Exemptions
FOIA/PA 2008-145

EH

October 25, 1968

Director, Division of Compliance
U.S. Atomic Energy Commission
Washington, D.C. 20545

Gentlemen:

In accordance with Part 20, Section 20.405 of the USAEC Rules and Regulations, we are hereby notifying you of an apparent whole-body overexposure to gamma radiation as experienced by one of our technicians.

This overexposure, as indicated by film badge, was received during the months of July, August and September, 1968, during which time the employee was engaged in handling, packaging, shipping and receiving about 15 million curies of Cobalt-60. In addition, this employee was also involved in the handling of radioactive ion-exchange resins. Appendix A lists the employee and monthly doses as received since the date of his employment.

Our normal operating procedures require that each employee wear a Victoreen model 541/A dosimeter in addition to his film badge. Those dosimeters are turned in and read daily. According to the daily dosimeter readings for the same exposure period, this employee received only 2600 mR as opposed to 3240 mR for the same period on the film badge. In comparing daily dosimeter readings vs monthly film badge reports, our experience has been that the dosimeters normally read 10% higher than the film badges.

Because of our prior dosimeter experience, the employee was questioned and it was learned that his film badge had become detached from his shirt at approximately noon on one day and was not found until noon the following day. Upon monitoring the location that the film badge had resided for approximately 24 hours, a reading of 20 mR/hr was found. This would account for the difference between daily dosimeter readings and the film badge. Thus, although we are reporting this apparent overexposure in accordance with Part 20, Section 20.405, it is our belief that the actual dose this employee received during the past calendar quarter was between 2600 mR and 2800 mR rather than the 3240 mR as indicated by the film badge report.

APPENDIX A

Employee: (b)(6)

Social Security No.: (b)(6)

(b)(6)

Past Radiation History: None

<u>Month</u>	<u>Pocket Dosimeter Readings</u>	<u>Film Badge Readings</u>
April, 1968	327	300
May, 1968	642	580
June, 1968	882	860
July, 1968	1477	1500
August, 1968	639	540
September, 1968	331	1200

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To prevent future disparities between actual and recorded dose, all employees have been re-instructed to report immediately upon the loss of either their dosimeter or film badge.

Sincerely yours,

NEUTRON PRODUCTS, INC.


J. J. Hairston
Radiation Protection Officer

JCH/cim

cc: Region I Division of Compliance, USAEC
970 Broad Street
Newark, N. J. 07102

RECEIVED
OCT 27 1968
U.S. ATOMIC ENERGY COMMISSION
NEWARK, N. J.