

C:NA

NOV 13 1967

CO:RH

U. S. Radium Corporation
Post Office Box 246
Morristown, New Jersey 07960

Attention: Mr. E. B. Fisher
President

Gentlemen:

This will acknowledge receipt of letters we received from Mr. E. M. Burtsavage dated October 20, October 24, and November 2, 1967, reporting the exposure of personnel to radioactive material. In addition, we wish to acknowledge receipt of Mr. Burtsavage's letter dated October 24, 1967, reporting the release of tritium to unrestricted areas. We have also received your letter dated October 26, 1967, informing us that the company has engaged the services of a consulting health physicist.

Very truly yours,

Original signed by
R. H. Engelken
Lawrence D. Low, Director
Division of Compliance

bcc: CO:I
REG Reading File
CO:HQ
IML:IB
Incident File:EB
Public Document Room

w/cpy: of the following ltrs:
10-20-67, 10-24-67 (two), and
10-26-67, and 11-2-67

bcc: Dr. Jan Lieben, Director
Division of Occupational Health
Pennsylvania Dept. of Health
P. O. Box 90
Harrisburg, Pennsylvania 17108
Encls. Copies of above ltrs.

OFFICE	CO	CO	CO	CO		
SURNAME	RHandler: jtl	RBoeder	REngelken	LDLow		
DATE	11-7-67		11/9/67	11/9/67		

Form 424-SIR (Rev. 5-63)

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VI-015

November 6, 1967

TO:

[REDACTED]

FROM:

W. M. Burtsavage, Health Physicist

SUBJECT:

Overexposure.

This is to advise that you were exposed to greater than permissible concentrations of airborne and/or removable contaminations of Americium-241 between June, 1966 and June 1967 resulting in an excessive uptake of this isotope. This is indicated by your recent whole body counts of July 19 and 20, 1967, performed at the Argonne National Laboratories. Measurement data show your total body burden to be $1.8 \pm 50\%$ microcuries of Americium-241.

Considering bone as the critical organ of reference, 0.05 microcuries is the permissible bone burden, and this is equivalent to a dose rate of 0.01 rad per year. Your whole body counts, therefore, indicate a possible internal dose equal to 54 bone burdens derived from as much as a possible total quantity of 2.7 microcuries. This correlates to a dose rate of 1512 mrad per year which is 54 times tolerance.

This is an updated notice to those that you have received in the past. As you are aware, the therapy you are undergoing is proceeding favorably and as more and more Americium-241 is eliminated, your total body burden and consequent dose rates will decrease proportionately.

This report is furnished to you under the provisions of the Atomic Energy Commission regulation entitled "Standards for Protection Against Radiation" (10 CFR Part 20). You should keep this report for future reference.

WMB/jrn

VI-016