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**NUCLEONICS DEPARTMENT**

HANFORD WORKS . . . . . RICHLAND, WASHINGTON

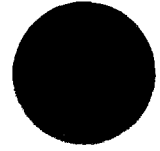
AIR MAIL

February 25, 1953

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U.S. Atomic Energy Commission  
Division of Biology & Medicine  
Washington 25, D.C.

*(365)*



Attention: Dr. J. C. Bugher, Director

Dear Dr. Bugher:

SUBJECT: TRI-PARTITE CONFERENCE ON PERMISSIBLE DOSES

For the subject conference, I would like to present our data on the permissible concentration of plutonium in drinking water, and on the discrepancy between the permissible limit for I<sup>131</sup> in the atmosphere, compared with vegetation contamination.

Presumably there will be a discussion of the tritium hazard. In this field, too, Hanford has a significant body of relatively new information.

Some of the principal matters that we would like to hear discussed, without significant contribution from us are:

- (1) Policy on planned emergency exposures.
- (2) The number of weeks over which exposure may be reasonably averaged.
- (3) The genetic effect.
- (4) Permissible limits for persons not occupationally exposed.
- (5) Permissible limits for life forms other than man.
- (6) Progress on the problem of relationship between radium content of drinking water and incidence of bone lesions.

Very truly yours,

*Handwritten signature*

Director  
RADIOLOGICAL SCIENCES DEPARTMENT

HM Parker:swc

ORGANIZATION & MANAGEMENT

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**AIR MAIL**