

1255293

11/3/86

Followup Study on volunteers 10012053 p13 inhalation

CERT I
R65

[REDACTED]

milk

10012035

Seven human volunteers - radioactive milk p iii

Thyroid doses to the volunteers averaged 0.39 rad p in
six male and one female p 14, 15

thyroid counts

doses bottom p 31

no names

CERT II 3 people inhalation 15, 7.7, 6.1 mrad

CERT 8 or 9 one volunteer inhalation 800 m

10012047

R5

10012063

p 14

at 0 time

10012047 you have

retired - [REDACTED]
retired - [REDACTED]

CERT ~~2~~ seven volunteers?

CERT-7 seven volunteers, initials no dose 11/22/65 ^{p26} 1.1 Ci I-131

on D are next to air samplers p7 380 m?

CERT-1 v. 2 ratio of ingestion to inhalation 75 and 120, resp.?

12047 p 5

CONTROLLED ENVIRONMENTAL RADIOIODINE TEST I

On May 27, 1963, about 0.5 Ci of I-131 was released as part of the CERT project conducted at the NRTS. Seven individuals volunteered to drink milk obtained from cows grazing on pasture contaminated by the I-131. They drank milk from May 30, to June 17. The thyroid doses to the seven volunteers was calculated in "Controlled Environmental Radioiodine Tests at the NRTS" (IDO-12035). The doses are shown below:

Volunteer 1 - 0.38 rad
Volunteer 2 - 0.23 rad
Volunteer 3 - 0.42 rad
Volunteer 4 - 0.63 rad
Volunteer 5 - 0.36 rad
Volunteer 6 - 0.32 rad
Volunteer 7 - 0.39 rad

The volunteers who drank milk included:

^{1.} [REDACTED], ^{2.} [REDACTED], ^{3.} [REDACTED],
^{4.} [REDACTED], ^{5.} [REDACTED], and ^{6.} [REDACTED]. There is no known key to match the individuals with their coded volunteer number.

Richard L. Dickman
7/24/63

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U. S. ATOMIC ENERGY COMMISSION
Idaho Operations Office, Health and Safety Division
Idaho Falls, Idaho

VOLUNTARY CONSENT FOR PARTICIPATION IN HUMAN STUDIES

SUMMARY OF STUDY

Identification No. _____

Description and Purpose _____

Nuclide _____; Quantity _____ uc.; Guide value _____ uc.; Critical organ _____; Effective half life _____ days; Chemical form _____; Chemical toxicity _____; Physical form _____; Route _____; Investigator _____ Date _____

VOLUNTARY CONSENT

I, _____, do hereby acknowledge that: (1) I have volunteered to participate personally in a scientific investigation promoted by and for the U. S. Atomic Energy Commission; (2) I understand that the study requires me to take internally a small quantity of a radioisotope that has been determined by the investigator and confirmed by a review committee to be less than the radiation guide limits permitted by AECM 0524 for occupational exposure; (3) I understand that expert opinion regards the radiation exposures approved for this study to be so low that no harmful effects are expected; (4) I have read the description of the proposed study above and have been given ample opportunity to discuss and/or clarify any questions that I might have concerning it; (5) I have been informed and assured by my administrative superiors that participation in this study is not in any way a condition of employment, and that I may refuse to participate, or to withdraw my consent at any time during the course of the study, without incurring any adverse reaction to the normal course of my employment; and (6) I understand that a documented record of these studies will be on file in the ID Health and Safety Division as part of my occupational exposure and/or medical record.

Signature of Witness _____ Signature of Volunteer _____ Date _____

REVIEW AND APPROVAL

Chief, Analytical Chemistry Branch _____ Date _____

Chief, Medical Branch _____ Date _____

Date of Administration _____ Study Completed _____ Actual Dose _____ Rem. _____

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Investigator _____ Date _____