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54-49

PAREN PAGE ONE OF TWO PAGES PAREN FOR ALVIN GRAVES CMM PASS TO E PD
P PD CRONKITE FM THOMAS L SHIPMAN PD PRESENT STATUS OF RESULTS OF URINE
ANALYSIS OF RONGELAAP NATIVES AND AIR WEATHER SERVICE PERSONNEL ARE
AS FOLLOWS CLN INITIAL TOTAL BODY DOSE OF IODINE ONE THREE ONE APPEARS
TO BE ABOUT FIVE ZERO MICROCURIES ACCOMPANIED BY SHORTER LIVED IODINE
ISOTOPES ENERGETICALLY EQUIVALENT TO ABOUT FIVE MILLICURIES OF IODINE
ONE THREE ONE AT THE TIME OF UPTAKE PD THE ESTIMATED TOTAL INTEGRATED
DOSE TO THE THYROID CMM ASSUMING TWO ZERO PER CENT UPTAKE OVER ABLE
PERIOD OF TWO FOUR HOURS AND APPROPRIATE REDUCTION IN DOSE OF VERY
SHORT LIVED IODINE ISOTOPES IS ABOUT ONE THREE ZERO REP OF WHICH
FIVE ZERO REP IS FROM IODINE ONE THREE ONE PD PARA THE ESTIMATED BODY
BURDENS OF OTHER NUCLIDES ARE AS FOLLOWS CLN PLUTONIUM LESS THAN
ONE TENTH OF THE ACCEPTED MAXIMUM PERMISSIBLE AMOUNT PAREN PERHAPS
ABOUT ZERO POINT ZERO TWO MICROGRAMS PAREN PD STRONTIUM EIGHT NINE
ABOUT ONE MICROCURIE PD BARIUM ONE FOUR ZERO ABOUT TWO MICROCURIES PD

PARA THE ESTIMATED NUMBER OF FISSIONS INHALED AND SLANT OR INGESTED

ARE PAREN END OF PAGE ONE PAREN

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DORIS H. DUNNING

(Person authorizing change in classification and date)

Dorothy Daly
(Signature of person making the change and date)
PAGE TWO JULY 12 1954

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AS FOLLOWS CLN BASED ON IODINE ONE THREE ONE THE VALUE IS FIVE TIMES
TEN TO THE THIRTEENTH FISSIONS PD BASED ON STRONTIUM EIGHT NINE THE
VALUE IS ONE TIMES TEN TO THE THIRTEENTH FISSIONS PD BASED ON BARIUM
ONE FOUR ZERO THE VALUE IS ONE TIMES TEN TO THE THIRTEENTH FISSIONS PD
PARA IN ORDER TO GET BODY BURDENS FROM THE ABOVE VALUES IT IS NECESSARY
TO APPLY APPROPRIATE RETENTION FACTORS PD PARA THE AIR WEATHER SERVICE
PERSONNEL SEEMED TO SHOW VALUES WHICH ARE CONSISTENTLY ONE TENTH OF
THOSE GIVEN FOR THE RONGELAAP NATIVES FOR ALL ACTIVITIES MENTIONED
ABOVE PD REF HOW HYPHEN ONE ONE TWO PD END OF MESSAGE

13/2140Z APR 54

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