

DOCUMENT DOES NOT CONTAIN ECI

Reviewed by [Signature] Date 4/29/78

RL COMMCEN



RAAU22BB RHEGOR00264 1082015-UUUU--RHEGRLO. 1978 APR 18 PM 1 02

ZNR UUUUU

TLX 510 770 5108

R

409831

R 181943Z APRIL 78

FM CHESTER R RICHMOND OAKRIDGE NAT LAB OAKRIDGE TENN

TO WILLIAM J BAIR MANAGER BIOLOGY PROGRAMS PACIFIC NORTHWEST

LABS RICHLAND WASHINGTON 99352

AE

BT

BEST COPY AVAILABLE

UNCLASSIFIED/N O N W D

BELOW ARE INITIAL COMMENTS ON LLL ENEWETAK ASSESSMENT BY ROBISON ET AL. MORE DETAILED COMMENTS WILL FOLLOW.

INGESTION PATHWAYS. MAY BE PREMATURE TO CHANGE GUT TRANSFER COEFFICIENT GTC ON BASIS OF PERSONAL COMMUNICATION. ALSO MORE RECENT DATA APPEAR TO SHOW 25 FOLD LESS PU IN FISH FROM NORTHERN ISLANDS. THIS ALONE COULD BALANCE THE FACTOR OF 33 BETWEEN THE SUGGESTED GTC AND ICRP GTC. REPORTED EFFECT OF CLORINATION ON GTC NEEDS TO BE VERIFIED. NOTE THAT REFERENCE IS NOT PUBLISHED. SUSPECT ORDERS OF MAGNITUDE ERROR IN GTC NOT REAL BECAUSE OF GOOD MATCH BETWEEN ICRP MODELS AND AMOUNT OF FALLOUT PU IN MAN. EPA GTC VALUES NOT DOCUMENTED, LETS USE BEST DOCUMENTED VALUES AND APPLY BUFFER FACTORS AT END. WOULD ALSO USE PU VALUES FOR FRUIT RATHER THAN LEAVES IF LATTER NOT

45,

REPOSITORY	<u>PNNL</u>
COLLECTION	<u>Marshall Islands</u>
BOX No.	<u>5685</u>
FOLDER	<u>Enewetak April 1978</u>

2246

RL COMMEN

PAGE 2 RHEGOR00264 UNCLASSIFIED/N O N W D 1977 APR 1 10 10 38

EATEN. CAN NOT INTRODUCE CONSERVATIVE FACTORS FOR EACH PARAMETER.

WE WERE TOLD EPA BONE VALUE OF 3 MRAD PER YEAR WOULD NOT APPLY

TO ISLANDS. <sup>46</sup> DOUBT IF PU VI WOULD REMAIN AS SUCH IN HUMAN GI TRACT.

PROBABLY WOULD BECOME PU IV. <sup>47</sup> PERHAPS WATER CATCHMENT SYSTEMS

COULD BE PLACED ON LAGOON SIDE OF HOUSES SINCE SUSPECTED PU

CONTAMINATION MAY BE FROM OCEAN SIDE. <sup>48</sup> WHAT FRACTION OF POPULATION

EXPECTED TO LIVE 70 YEARS. I DONT SEE <sup>49</sup> ANY DATA ON AIR CONCENTRATIONS

OF PU. <sup>50</sup> APPARENTLY MANY RECOMMENDATIONS MADE SEVERAL YEARS AGO

HAVE NOT BEEN IMPLEMENTED. DISTURBING THAT IMPORTANCE OF

COCONUT IN FOOD CHAIN STILL NOT RESOLVED SINCE IS MAJOR

CONTRIBUTOR TO DOSE. WE NEED TO CONSIDER A MONITORING PROGRAM

FOR CESIUM 137 IN PEOPLE TO CALIBRATE AND PERHAPS VALIDATE SOME

OF THE MODELS USED IN ASSESSING DOSE TO MAN. THESE IN TURN MAY

SHED SOME LIGHT ON THE TRANSURANIUM QUESTION.

BT

#0264

NNNN