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VIA WASHDC NR S-74

MAR 10 1954

ZEN/TO LEEHEY USAEC SFOO ALDQ NIEK
USAEC BRADBURY LASL LOS ALAMOS NIEK



410598

VIA LOSALAMOS NIEK NR S-234 161016Z

RG 326 US ATOMIC ENERGY COMMISSION

DE WHPJC 20B

Location LANL

P 100603Z ZNJ

Collection Records Center B-9 D-158

Folder 635 CASTLE

FU CJTF SEVEN ENHUEKOR MI

17-31-53 - 3-15-54

TO WUFJA/CHAIRMAN AEC WASHDC VIA LOS ALAMOS

ZEN/C/S USA WASHDC

INFO ZEN/CIKCPACFLT

ZEN/CJTF SEVEN WASHDC



DA GRAC

24815
x 635
Castle
3-10-54

BEST COPY AVAILABLE

DTG ONE ZERO ZERO FOUR FIVE FIVE ZEBRA

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PER DOC REVIEW JAN. 1973

TO FIELDS AND BUGHER FROM CLARKSON PD THIS MY REPORT AS OF ONE ZERO
ONE TWO ZERO ZERO MIKE PD THIS MSG IN FOUR PARTS PD DR DUNNING
REPORT AFTER VISIT KWAJ AS FOLLOWS CLN PART ONE CLN INVESTIGATED
HEALTH OF NATIVES FIRSTHAND PD ORIGINAL REPORT ABOUT TWO ZERO NATIVES
SICK FIRST AND SECOND DAYS BASED THEIR OWN STATEMENTS WHICH ARE VERY
DIFFICULT EVALUATE PD NO NATIVES ACTUALLY OBSERVED SICK BY
MEDICAL PERSONNEL EXCEPT ONE VOMITING FIRST DAY ABOARD EVACUEE SHIP
FROM RONGELAP PD PRACTICALLY ALL NATIVES FROM RONGEP HAD SKIN
ITCH UNTIL DECONTAMINATED WHEN ITCHING CEASED PD NO SKIN SYMPTOMS
OR SIGNS AS YET PD ANY ERYTHEMA VERY DIFFICULT TO DETECT ON NATIVE
SIDE SKIN PD HIGHLY CALMA BEADING

END OF PAGE ONE

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PAGE TWO UNPJC 208

PAREN FROM HAIR PAREN FOUR ZERO ZERO MILLIROENTGENS PER HOUR AT ABOUT NOW PLUS FIVE SIX HOURS PD REPEATED WASHINGS HAVE REDUCED READINGS TO SEVEN MILLIROENTGENS PER HOUR PD WILL CONTINUE WASHINGS PD NO ESTIMATE OF BETA DOSE PD AVERAGE INITIAL WHITE BLOOD COUNTS AT NOW PLUS FIVE FIVE TO SEVEN FIVE HOUR WAS SEVEN SEVEN ZERO ZERO PD REPEAT COUNTS AT NOW PLUS ONE FIVE EIGHT HOURS WAS FIVE THREE ZERO ZERO PD GREATEST VARIANCE IN WHITE BLOOD COUNTS FROM RONGELAP TWO FOUR THREE ZERO ZERO ABOUT NOW PLUS SEVEN FIVE HOURS TO THREE SEVEN ZERO ZERO NOW PLUS ONE THREE ZERO HOURS TO SIX THOUSAND NOW PLUS ONE FIVE EIGHT HOURS PD ANOTHER SIX ZERO YEAR OLD NATIVE WHITE BLOOD COUNT NOW PLUS FIVE FIVE HOURS WAS ONE TWO SIX ZERO ZERO AT NOW PLUS ONE SIX EIGHT HOUR WAS SIX FOUR ZERO ZERO AND AT NOW PLUS ONE NINE TWO HOURS WAS TWO NINE ZERO ZERO PD PROGNOSIS OF RONGELAP GROUP DEPEND UPON FURTHER STUDIES PD GREATEST VARIANCE WHITE BLOOD COUNTS WEATHER PERSONNEL BONEIK ONE ZERO THOUSAND ABOUT NOW PLUS THREE TWO HOURS TO FIVE EIGHT ZERO ZERO NOW PLUS ONE FOUR FOUR HOURS PD PART TWO CLN GREAT EFFORTS BEING MADE TO KEEP NATIVES COMFORTABLE ON KUAJ PD THEY ARE CONTENTED PD UTIRIK GROUP WILL BE SENT TO NEARDY ISLAND EBEVE WHEN HIGH COMMISSIONER DIRECTS AND STUDIED INTERMITTENTLY PD RONGELAP GROUP RETAINED KUAJ FOR INTENSIVE STUDY BY AEC DASH DOB RESEARCH TEAM PD NO DECISION AS TO TIME OF RETURN TO HOME

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ISLANDS PD RECOMMEND

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PRO-

PAGE THREE WIPJC 268

WAIT UNTIL AFTER SERIES COMPLETED THEN RECHECK RADIATION LEVELS AGAIN PD PART THREE CLN ESTIMATED ACTIVITY MEGACURIES PER SQUARE MILE AT TIME OF FALLOUT CLN RONGELAP THREE AT HOU PLUS SIX HOURS CMI RONGERIK TWO AT HOU PLUS EIGHT HOURS CMI UTIRIK ZERO PM ONE SEVEN AT HOU PLUS ONE SIX HOURS PD SOIL AND WATER SAMPLES BEING COLLECTED PD ONE SET WATER MEASUREMENTS AT RONGELAP SHOWED CONCENTRATION AT DOG PLUS THREE DAYS FROM TWO TO TWO EIGHT TIMES ABOVE FIVE TIMES TEN TO MINUS THREE PD TEAM RECEIVING EXCELLENT COOPERATION AT KEAJALEIN

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