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PRIORITY

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FM HEALTH DIV LOS ALAMOS SCIENTIFIC LAB LOS ALAMOS NMEX

TO CTG SEVEN PNT ONE ENIWETOK MI /ASSIGN SERIES CHARLIE/

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INFO DR CHARLES DUNHAM DIV OF BIOLOGY AND MEDICINE USAEC WASH DC
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Carl Wilson 7/13/83
REVIEWED BY NRA [redacted] 10/28/85 DATE

PAREN PAGE ONE OF TWO PAGES PAREN FOR THOMAS L SHIPMAN HEADQUARTERS
COPIES FOR AL GRAVES AND E P CRONKITE FROM WRIGHT LANGHAM PD VERY
PRELIMINARY RESULTS OF URINE ASSAYS INDICATE THE FOLLOWING ORDERS OF
MAGNITUDE OF INTERNAL CONTAMINATION OF RONGELAAP NATIVES PD IODINE
CONSTITUTES A MAJOR ACTIVITY IN THE URINE AND ASSUMING NORMAL EXCRETION
SIGNIFIES ABLE TOTAL BODY BURDEN AT TIME OF FALLOUT OF ABOUT ONE POINT
ZERO MILLICURIES PD PLUTONIUM CONTAMINATION IS PRESENT AND URINE ASSAY
SIGNIFIES ABLE TOTAL BODY LOAD OF ABOUT POINT ZERO FOUR MICROGRAMS
OR ABOUT ONE SLANT ONE ZERO OF TOLERANCE PD BASED ON ONE ZERO ZERO
PERCENT ABSORPTION OF IODINE AND ONE PERCENT ABSORPTION OF PLUTONIUM
AND THEIR KNOWN EXCRETION RATES THE TOTAL BODY BURDEN OF TOTAL FISSION
PRODUCTS AT TIME OF FALLOUT IS ESTIMATED AT ABOUT FIVE MILLICURIES
ASSUMING THEY ARE UNIFORMLY ABSORBED TO THE EXTENT OF ONE PERCENT PD
FROM THE PRESENT PRELIMINARY RESULTS WE BELIEVE THE INTERNAL RADIATION
DOSE TO BE SMALL AND PROBABLY UNIMPORTANT COMPARED TO THE EXTERNAL
DOSE ALREADY RECEIVED PD PARA TOTAL URINE GAMMA ACTIVITY MEASUREMENTS
INDICATE THAT RATIO OF INTERNAL EXPOSURE OF RONGELAAP NATIVES TO
AIR WEATHER PERSONNEL IS ABOUT ONE ZERO TO ONE PD PARA PLEASE REQUEST
SHARP AND CHAPMAN ON KEAJALEIN TO COLLECT ADDITIONAL URINE SAMPLES
FROM RONGELAAP NATIVES PD CONTAINERS FOR POOLING SAMPLES ARE IN
TRANSIT PD JIM PERRINGS IS NOW ON ENIWETOK AND WILL CONTACT THEIR PAREN

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PAGE TWO UNFJA 14TA

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REGARDING THESE SAMPLES PD REQUEST BIOPSIES OF LESIONS BE SENT TO
LUSHDAUGH AT LASL PD REF THIS MSG HOW HYPHEN ONE ONE ONE PD END OF
MESSAGE

[REDACTED] NOT REQUIRED

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