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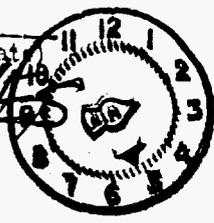
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Per ERIS H. ...  
(Person authorized to make classification and date)

By *Mary Joe T...*  
(Person authorized to make the change and date)



R

*Jay Banks  
2022  
7.12*

FM LOS ALAMOS SCIENTIFIC LAB LOS ALAMOS NMEN  
TO USAEC WASHDC/ASSIGN SERIES CHARLIE/

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FOR JOHN C BUGNER DIRECTOR DIVISION OF BIOLOGY AND MEDICINE CML  
INFO MORIS BRADBURY CML JIG DIVISION FILES CML W H LANGHAM CML  
FROM THOMAS E CHIPMAN MD HEALTH DIVISION LEADER PD WE HAVE LOCAL  
APPROVAL FOR FOLLOWING PROPOSAL CML TO COLLECT AND ANALYZE URINE  
SAMPLES FROM NATIVES AND AIR WEATHER SERVICE PERSONNEL PD REASONS CML  
TO CORRELATE WITH DATA COLLECTED AT GREENHOUSE AND UK ON MICE AND  
MONKEYS IN DETERMINING THE RELATIVE EXTERNAL AND INTERNAL HAZARDS OF  
RADIOACTIVE DEBRIS FROM ATOMIC BOMBS PD IN VIEW OF THE EXTENSIVE  
EXPERIENCE OF THIS LABORATORY IN METHODOLOGY OF THIS PROBLEM AND THE  
AVAILABILITY OF TRAINED PERSONNEL AND FACILITIES PLUS LIAISON WITH THE  
RADIOCHEMICAL GROUP OF THE TEST DIVISION CML IT IS BELIEVED THAT A  
MAXIMUM OF INFORMATION CAN BE ACCUMULATED WITH A MINIMUM OF EFFORT  
PD IN VIEW OF THE CLOSE SIMILARITY OF THIS SITUATION TO THE CONTEMPLATED  
PROBLEMS IN OPERATION GABRIEL AN INTENSIVE EFFORT TO OBTAIN ALL  
POSSIBLE DATA SEEMS JUSTIFIED PD PROPOSED EXPERIMENTS CML ONE PD  
URINE COLLECTION PD ABEL PD TWO CONSECUTIVE TWO FOUR HOUR URINE SAMPLES  
WILL BE COLLECTED FROM EACH OF THE AIR WEATHER SERVICE PERSONNEL  
INVOLVED PD END OF PAGE ONE

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BAKER PD TWO CONSECUTIVE TWO FOUR HOUR POOLED URINE SAMPLES WILL BE COLLECTED FROM ABLE GROUP OF EXPOSED NATIVES PD IT IS DESIRED TO HAVE A TOTAL VOLUME OF TEN LITERS PER SAMPLE PD TWO PD URINE ANALYSIS PD ABLE PD ANALYSIS FOR BARIUM LANTHANUM AT THIS TIME PD THESE NUCLIDES ARE THE MOST ABUNDANT OF THE FISSION PRODUCTS PD THE CHEMICAL METHOD IS STANDARD AT THIS LABORATORY AND FORTUNATELY THESE NUCLIDES ARE VERY IMPORTANT FROM THE POINT OF VIEW OF INTERNAL HAZARD PD BAKER PD ANALYSIS FOR PLUTONIUM PD THE METHOD IS STANDARD PD PU IS VERY IMPORTANT IN ANY CONSIDERATION OF INTERNAL HAZARD PD FROM BOTH OF THESE MEASUREMENTS AND FROM DATA FROM THE RADIOCHEMICAL GROUP INFORMATION CAN BE PUT IN TERMS OF BOMB FRACTION PD CHARLIE PD ON THE BASIS OF THE ABOVE DATA FURTHER ANALYSES CAN BE MADE OBTAINING INFORMATION ON FRACTIONATION AND UPTAKE PD THESE WOULD POSSIBLY INCLUDE MOLYBDENUM AND CERTAINLY AT LATER TIMES CMM STRONTIUM PD DCG PD A SPOT ANALYSIS FOR GROSS FISSION PRODUCT ACTIVITY WOULD BE MADE BY THE USE OF THE ARM COUNTER BY PLACING THE ENTIRE URINE SAMPLE IN THE COUNTER PD ONE MAN WILL BE SENT WITH END OF PAGE TWO

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NECESSARY EQUIPMENT TO KWAJALEIN TO MAKE THE URINE COLLECTION AND TO  
 COURIER THE SAMPLES BACK TO LOS ALAMOS PD IT IS IMPERATIVE THAT THIS  
 INDIVIDUAL HAVE AUTHORITY TO MAKE SUCH COLLECTIONS FOR THE PURPOSES  
 NOTED ABOVE AND TO HAVE FULL SUPERVISION OVER THE COLLECTION PD IT IS  
 NECESSARY BECAUSE OF TIME SINCE EXPOSURE CLM RADIOACTIVE DECAY AND  
 EXCRETION RATES THAT THE COLLECTION BE DONE AS SOON AS POSSIBLE PD IT  
 IS PREFERRED THAT THE SAMPLES BE BACK AT LOS ALAMOS BY THE SEVENTEENTH  
 OF MARCH TO START ANALYSIS OPD WE WOULD ALSO LIKE YOUR BLESSING ON THIS  
 PROJECT AND REQUEST THAT YOU ADVISE KRONKITE OF YOUR APPROVAL OF THIS  
 PROJECT PD WITH HIS COLLABORATION IN OBTAINING THE SAMPLES WE SHOULD  
 NOT INTERFERE ANY FURTHER WITH HIS WORK ALTHOUGH WE WOULD BE HAPPY TO  
 OFFER HIM ANY ASSISTANCE THAT MIGHT BE REQUIRED PD PAYNE HARRIS AND  
 ITEM EXPECT TO LEAVE FOR KWAJALEIN ABOUT THE END OF THE WEEK PD REF  
 CLM ONE ZERO NINE PD END OF MESSAGE

CCC SIXTH WORD SEVENTH TO LAST LINE SHUD READ PD RPT PD

11/0313Z

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