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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEWER DATE: <i>6/17/94</i>	DETERMINATION (CIRCLE NUMBER(S))
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NAME: <i>R. L. Carpenter</i>	5. PERIODICALLY CANCELLED
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FM LOS ALAMOS SCIENTIFIC LAB LOS ALAMOS NMEK

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Carpenter*

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FOR JOHN C BUCHER DIRECTOR DIVISION OF BIOLOGY AND MEDICINE CMI
 INFO NORIS BRADBURY CMI JIG DIVISION FILES CMI W H LANGHAM CMI
 FROM THOMAS L SHIPTAN MD HEALTH DIVISION LEADER PD WE HAVE LOCAL
 APPROVAL FOR FOLLOWING PROPOSAL CLN TO COLLECT AND ANALYZE URINE
 SAMPLES FROM NATIVES AND AIR WEATHER SERVICE PERSONNEL PD REASONS CLN
 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 CMI 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 CLN 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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PAGE TWO LWFJA 25TH [REDACTED]

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 DOG 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 KUJALEIN 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 CMI 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 HE WOULD ALSO LIKE YOUR BLESSING ON THIS
 PROJECT AND REQUEST THAT YOU ADVISE KROKITE 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 KUJALEIN ABOUT THE END OF THE WEEK PD REF
 CLN ONE ZERO NINE PD END OF MESSAGE

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

11/0010Z

PARAPHRASE NOT REQUIRED
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