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# SUBJECT FILE

PATUZYUW RHEGNV00206 080222Z-UUUU--RUHWIA.  
 ZNR UUUUU  
 P 212227Z MAR 75  
 FM M E GATES MCR USERDA NVCC LAS VEGAS NV  
 TO RHECGTN/JAMES L LIVERMAN USFPA WASH DC  
 INFO RHECGTN/MAJ GEN E GRAVES DIR/MA USERDA WASH DC  
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 AE

BT  
 UNCLASSIFIED//N O N W D/NARR.  
 BIKINI RADIOLOGICAL SURVEY  
 ANTICIPATING THE ASSIGNMENT TO NV OF RESPONSIBILITY FOR THE  
 CONDUCT ON A PRIORITY BASIS OF A RADIOLOGICAL SURVEY OF BIKINI  
 ATILL, NV HAS UNDERTAKEN A NUMBER OF PRELIMINARY ACTIONS. THIS  
 MESSAGE SUMMARIZES THOSE ACTIONS AND THE CURRENT STATUS OF

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*DOE/BASO*  
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 FOLDER *9/74-12/75*

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 PLANNING.

THE NEED FOR A RESURVEY OF BIKINI WAS RECOGNIZED IN OCTOBER 1974 FOLLOWING A VISIT TO THE MARSHALL ISLANDS BY DNA, DOI AND AEC REPRESENTATIVES. ERDA BECAME COMMITTED TO THE EARLY ACCOMPLISHMENT OF THIS SURVEY IN A MEETING WITH TRUST TERRITORY REPRESENTATIVES IN ANAHEIM IN JANUARY 1975. DOD AND DOI SUPPORT WAS REQUESTED IN A WASHINGTON MEETING ON FEBRUARY 19, 1975. SPECIFIC LOGISTICAL SUPPORT WAS REQUESTED OF SECRETARY SCHLESINGER IN A MARCH 7, 1975 LETTER FROM SECRETARY MORTON. SINCE RECEIPT OF SECRETARY MORTON'S LETTER IN THE PENTAGON, NV HAS HAD EXTENSIVE DIRECT AND INFORMAL LIAISON WITH DEFENSE DEPARTMENT REPRESENTATIVES, KEEPING DNA AND DOS STAFFS INFORMED.

PLANNING IS PROCEEDING UNDER THE FOLLOWING BASIC ASSUMPTIONS:  
 (1) THE TECHNICAL EFFORT FOR THE AERIAL SURVEY WILL BE CONDUCTED BY ERDA AND ITS CONTRACTORS USING ALREADY PROGRAMMED RESOURCES;  
 (2) LABORATORY ANALYTICAL EFFORT WILL BE PROVIDED BY THE PERFORMING LABORATORY WITHOUT REIMBURSEMENT; (3) THE DOSE ASSESSMENT EFFORT WILL BE CONDUCTED BY THE PERFORMING ORGANIZATION WITHOUT REIMBURSEMENT; (4) OPERATIONAL HELICOPTER SUPPORT INCLUDING A SUITABLE PLATFORM, MAINTENANCE, AND FUELING WILL BE FURNISHED

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FROM PROGRAMMED RESOURCES OF THE DOD; (5) THE RESEARCH VESSEL LIKTANUR, IF USED, WILL BE PROVIDED BY ERDA USING ALREADY PROGRAMMED RESOURCES; AND (6) AIRLIFT OF PERSONNEL AND EQUIPMENT WILL BE FURNISHED FROM PROGRAMMED RESOURCES OF THE DOD.

THE GENERAL CONCEPT OF THE SURVEY WILL BE TO CONDUCT A COMPLETE AERIAL SURVEY OF THE ENTIRE ATOLL COMPARABLE TO THAT WHICH WAS DONE AT ENEWETAK AND CONCURRENTLY TO CONDUCT AN EXTENSIVE GROUND SURVEY AND SAMPLING PROGRAM ON ENEU AND BIKINI ISLANDS. THESE FIELD EFFORTS SHOULD TAKE JUST UNDER TWO WEEKS AND IT IS HOPED THAT THEY WILL BE COMPLETED DURING THE MONTH OF APRIL 1975.

THERE APPEAR TO BE TWO REASONABLE ALTERNATIVES FOR PROVIDING THE HELICOPTER SUPPORT. THE FIRST ALTERNATIVE WOULD UTILIZE AS A PLATFORM AN OCEANOGRAPHIC VESSEL WHICH IS UNDER CONTROL OF THE NAVY OCEANOGRAPHIC OFFICE AND HAS BEEN TENTATIVELY COMMITTED TO THE BIKINI PROGRAM. HELICOPTERS (SE3'S) WOULD BE TRANSPORTED TO BIKINI BY SOME OTHER FLEET UNIT, WOULD BE BASED ASHORE ON ENEU ISLAND AND WOULD BE FUELED AND SERVICED BY THE OCEANOGRAPHIC VESSEL. (NOTE: SOME UNCERTAINTY EXISTS AS TO THE COMPATIBILITY

~~OF THE SE-3 HELICOPTER AND THE DESIGNATED OCEANOGRAPHIC VESSEL.~~  
AN EFFORT IS BEING MADE TO RESOLVE THIS QUESTION. HOWEVER,



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SHOULD IT NOT BE POSSIBLE TO USE THE VESSEL AS A LANDING PLATFORM IT APPEARS ENTIRELY FEASIBLE TO BASE THE HELICOPTERS ASHORE AND USE THE ORGANIC BOATS, VEHICLES AND HELICOPTER OF THE VESSEL TO SHUTTLE FUEL, CREWS AND MAINTENANCE PERSONNEL.) THE SECOND ALTERNATIVE WOULD REQUIRE THE COMMITMENT OF AN LPD WITH SE-3 HELICOPTERS ABOARD FROM THE ENTIRE DURATION OF THE SURVEY.

EITHER OF THESE ALTERNATIVES WOULD PROVIDE A BONUS OF LIVING ACCOMMODATIONS AND SMALL BOAT SUPPORT FOR THE GROUND SURVEY. IT IS HOPED THAT THE DEPARTMENT OF DEFENSE WILL BECOME COMMITTED TO ONE OF THEM EARLY NEXT WEEK. THE GROUND SURVEY WOULD ENTAIL AN ESTIMATED 100 MAN DAYS OF EFFORT AND THUS WOULD REQUIRE THE PRESENCE AT BIKINI OF ABOUT 10 PERSONS, PROBABLY DRAWN FROM NV, LLL, NERC-LV, BNL, AND U OF T. AN EQUIPMENT LIST HAS NOT YET BEEN DEVELOPED FOR THE GROUND SURVEY BUT IT IS LIKELY TO REQUIRE SEVERAL TONS OF AIRLIFT FROM THE WEST COAST. THE LABORATORY EFFORT IS EXPECTED TO BE SHARED BY LAWRENCE LIVERMORE LABORATORY (LLL) AND MC CLELLAN CENTRAL LABORATORY. THE DOSE ASSESSMENT IS PLANNED FOR ACCOMPLISHMENT BY LLL.

THE MOST OPTIMISTIC (AND YET BELIEVED REALISTIC) SCHEDULE WOULD HAVE ALL ELEMENTS OF THE SURVEY CONVERGING ON BIKINI SOMETIME

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BETWEEN THE 10TH AND 15TH OF APRIL, EXACT DATES TO BE DETERMINED  
BY SHIP AND AIRLIFT AVAILABILITY. NV IS PREPARED TO ADJUST THE  
RESEARCH VESSEL SCHEDULE AS REQUIRED.  
HQ/ERDA (DOS) HAS IDENTIFIED FUNDS IN THE AMOUNT OF \$50K AS PAR-  
TIAL SUPPORT FOR THE AERIAL SURVEY EFFORT. NO OTHER FUNDS ARE  
NOW KNOWN TO BE AVAILAFLA. INCREMENTAL FUNDING REQUIRED BY NV  
BASED UPON THE ASSUMPTIONS SET FORTHE ABOVE WOULD COVER TRAVEL  
PER DIEM AND OVERTIME, SHIPMENT OF THINGS (OVER AND ABOVE THE  
DOD AIRLIFT) AND PURCHASE OF EXPENDABLE MATERIALS. ALTHOUGH IT  
IS NOT YET POSSIBLE TO DEVELOP A FIRM ESTIMATE IT IS LIKELY THAT  
BETWEEN \$50 AND 100K ADDITIONAL ERDA FUNDS WILL BE REQUIRED.  
AS SOON AS IT APPEARS THAT THE NECESSARY RESOURCES FOR A SURVEY  
ARE INDEED COMMITTED, A DETAILED PLANNING MEETING WILL BE HELD  
(PROBABLY DURING THE WEEK OF MARCH 24). FURTHER DETAILS AND  
ESTIMATES WILL BE PROVIDED FOLLOWING THAT MEETING.  
REQUEST YOUR CONCURRENCE IN THIS CONCEPT AND ACKNOWLEDGEMENT  
OF THE NEED FOR TIMELY IDENTIFICATION OF ADDITIONAL FUNDS. OA:RR

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