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SEP 13 1972

USAEC
FRANK A. CAMM
MILITARY APPLICATION
GERMANTOWN, MARYLAND

M. E. GATES, USAEC, NV, LAS VEGAS, NEVADA

INFO: LT. GEN. C. H. DUNN, USA, DNA, WASHINGTON, D. C.

SUBJECT: RADIOLOGICAL SURVEY OF ENIWETOK

PARA. AS A RESULT OF COMMITMENTS MADE BY AMBASSADOR WILLIAMS AND INITIAL AGREEMENTS REACHED DURING AN INTERAGENCY MEETING HELD ON SEPTEMBER 7, 1972, IT IS THE OVERALL AEC PURPOSE TO GAIN A SUFFICIENT UNDERSTANDING OF THE TOTAL RADIOLOGICAL ENVIRONMENT OF ENIWETOK ATOLL TO PERMIT JUDGMENTS AS TO WHETHER ALL OR ANY PART OF THE ATOLL CAN SAFELY BE REINHABITED AND, IF SO, WHAT STEPS TOWARD CLEANUP SHOULD BE TAKEN BEFOREHAND AND WHAT POST-REHABILITATION CONSTRAINTS MUST BE IMPOSED. IT IS NECESSARY TO THOROUGHLY EXAMINE AND EVALUATE RADIOLOGICAL CONDITIONS ON ALL ISLANDS OF THE ATOLL AND IN THE LOCAL MARINE ENVIRONMENT PRIOR TO COMMENCEMENT OF CLEANUP ACTIVITIES IN ORDER TO OBTAIN SUFFICIENT RADIOLOGICAL INTELLIGENCE TO DEVELOP AN APPROPRIATE CLEANUP PROGRAM. SPECIFICALLY, IT IS NECESSARY:

(1) TO LOCATE AND IDENTIFY CONTAMINATED AND ACTIVATED TEST DEBRIS,

(2) TO LOCATE AND EVALUATE ANY SIGNIFICANT RADIOLOGICAL HAZARDS WHICH MAY COMPLICATE CLEANUP ACTIVITIES, AND

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(3) TO IDENTIFY SOURCES OF DIRECT RADIATION AND FOOD CHAIN-TO-MAN PATHS HAVING RADIOLOGICAL IMPLICATIONS.

PARA. YOU ARE DIRECTED TO PLAN, ORGANIZE, AND CONDUCT A RADIOLOGICAL FIELD SURVEY TO DEVELOP SUFFICIENT DATA ON THE TOTAL RADIOLOGICAL ENVIRONMENT OF ENIWETOK ATOLL TO PERMIT THE ASSESSMENTS ON WHICH THE JUDGMENTS DESCRIBED ABOVE CAN BE MADE. THIS SURVEY SHOULD BE ACCOMPLISHED AS SOON AS POSSIBLE UPON COMPLETION OF THE NECESSARY PLANNING AND COORDINATION. IT SHOULD CONSIDER THE TOTAL ENVIRONMENT PERTINENT TO REHABILITATION INCLUDING BOTH EXTERNAL RADIATION DOSAGE AND BIOLOGICAL FOOD-CHAIN CONSIDERATIONS. IT IS ANTICIPATED THAT TECHNICAL STANDARDS AND REQUIREMENTS WILL BE PROVIDED BY RESPONSIBLE DIVISIONS WITHIN AEC HEADQUARTERS. IT IS UNDERSTOOD THAT PLANNING HAS BEEN INITIATED BY DOS AND DBER IN COOPERATION WITH FIELD ORGANIZATIONS AND SUCH PLANNING WILL SERVE AS THE BASIS FOR A COMPREHENSIVE SURVEY PLAN.

PARA. IN IMPLEMENTATING THE ABOVE OBJECTIVE YOU ARE DIRECTED TO:

(1) PREPARE A PLAN FOR THE CONDUCT OF RADIOLOGICAL FIELD SURVEY AND ANALYSIS OF SAMPLES OBTAINED UTILIZING NECESSARY LABORATORY AND CONTRACTOR SUPPORT.

(2) SELECT PERSONNEL NECESSARY TO CONDUCT THE FIELD SURVEY.

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(3) SELECT LABORATORIES AND PERSONNEL TO ACCOMPLISH THE NECESSARY LABORATORY WORK FOR ANALYSIS OF SAMPLES. THIS TASK INCLUDES ESTABLISHMENT OF PROCEDURES, STANDARDS, AND METHODS FOR CORRELATION OF DATA BETWEEN LABORATORIES. IN THIS CONTEXT YOU SHOULD PROVIDE FOR REVIEW AND REPORTING OF DATA.

(4) SUPPORT PATHWAY AND DOSE ASSESSMENT ACTIONS WHICH WILL COME UNDER THE OVERALL TECHNICAL DIRECTION OF THE DBER, SUPPORTED BY THE DOS.

(5) ARRANGE FOR NECESSARY LOGISTIC SUPPORT.

(6) COORDINATE LOGISTIC SUPPORT REQUIREMENTS WITH THOSE OF THE ENGINEERING SURVEY TO BE CONDUCTED CONCURRENTLY BY DNA.

(7) DIRECT LIAISON WITH DNA IS AUTHORIZED, AS REQUIRED, KEEPING COGNIZANT AEC HEADQUARTERS DIVISIONS ADVISED.

(8) PENDING FURTHER GUIDANCE YOU ARE DIRECTED TO ADDRESS CONSIDERATIONS OF PRIORITY IN PLANNING FOR SAMPLE ANALYSIS AND FOR THE BIOLOGICAL PATHWAY AND DOSE ASSESSMENT PORTIONS OF THIS TASK. IT IS ANTICIPATED THAT A REVIEW OF THE SURVEY WILL BE CONDUCTED UPON COMPLETION OF THE FIELD EFFORT AND BY THAT TIME MORE DEFINITIVE GUIDANCE WILL BE FORTHCOMING ON PRIORITIES IN THE AREAS OF ANALYSIS AND ASSESSMENT.

PARA. YOU ARE AUTHORIZED TO EXPEND $150 K IN THE INITIAL PLANNING AND ORGANIZATION OF THIS SURVEY. INITIALLY THE COST OF PERFORMING THIS EFFORT SHOULD BE CHARGED TO THE ON-CONTINENT PROGRAM. FOR YOUR INFORMATION, THE GENERAL MANAGER HAS APPROVED ALTERNATIVE 2 OUTLINED IN THE CONTROLLER'S

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MEMORANDUM DATED AUGUST 28, 1972, AND WE ARE CURRENTLY WORKING OUT FUNDING ARRANGEMENTS FOR THE ENTIRE SURVEY. YOU WILL BE KEPT ADVISED.

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