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PRIORITY
PT-01117

NOV 23 1972 1314

PTTCZYUW RUFJSLC0905 3270900-UUUU--RUHHABA
ZNR UUUUU
P R 220100Z NOV 72

FM USAEC/WALTER NERVIK/ENIWETOK MI
TO RHWNEAA/USAEC/M E GATES/LAS VEGAS NEV
INFO RHEGAAA/MGEN F A CAMM/GERMANTOWN MD
RHEGAAA/USAEC/T MCCRAW DOS/GERMANTOWN MD
RHEGAAA/USAEC/E HELD DIR REGULATORY/GERMANTOWN MD
RHWNEAR/UNIV OF CALIF/LLL WALTER NERVIK/LIVERMORE CA
RUHHABA/USAEC/PASO W STREENAN/HONOLULU HI

OPR				
CC	DO	IG	XP	IN
DP	AC	DE	DC	DA
SG	IO	JA	HC	OI
CSH	CSP	DOL		DOC
BASE/TENANT UNITS				
OPR		INFO		
8.4				

2

BT

UNCLAS
~~PHASE II SURVEY STATUS REPORT NO. 10~~

ONE HIGH ENERGY RADIATION MISSION AND ONE SHORT PHOTO MISSION
FLOWN ON 20 NOV. HIGH ENERGY COVERAGE COMPLETED ON JAMES, GLENN,
WALT, ALVIN, VAN, URIAH, TOM, SAM AND PERCY. HIGH ENERGY COVERAGE
NOW COMPLETED ON ALL ISLANDS IN THE ATOLL.

DATA REDUCTION AND OVERLAY RADIATION CONTOUR PLOTS COMPLETED ON
FRED, ELMER, DAVID, BRUCE, JANET, IRENE, YVONNE, URSULA, SALLY,
BELLE, KATE, OLIVE, ALICE, CLARA, DAISY, AND LEROY.

NERVIK, GUDIKSEN, LYNCH AND DOYLE WENT ASHORE ON OLIVE AND BELLE
TO CHECK THE CORRESPONDENCE BETWEEN GROUND MEASUREMENTS AND AERIAL

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DATA. ON OLIVE THE AERIAL DATA INDICATED FAIRLY UNIFORM LEVELS
BETWEEN 6 AND 12 MICRO R OVER THE ISLAND WITH A SMALL AREA BETWEEN
12 AND 25 MICRO R NEAR THE ISLAND CENTER. THESE READINGS WERE
CONFIRMED ON THE GROUND, WITH READINGS BETWEEN 15 AND 20 MICRO R
IN THE CENTRAL AREA AND NO EVIDENCE OF LOCALIZED HOT SPOTS. ON
BELLE THE AERIAL DATA ALSO INDICATED FAIRLY UNIFORM LEVELS BUT
HIGHER THAN OLIVE. MOST OF BELLE LIES BETWEEN 50 AND 100 MICRO R
BUT THERE IS A SMALL AREA BETWEEN 100 AND 200 MICRO R IN THE
NORTHEAST QUADRANT. GROUND MEASUREMENTS CONFIRMED THIS DATA ALSO,
WITH READINGS BETWEEN 150 AND 190 MICRO R BEING OBTAINED IN THE
HOTTEST AREA INDICATED IN THE AERIAL SURVEY.

NOV 24 1972

EGG PROBABLY WILL NOT HAVE FINAL COUNT RATE TO MICRO R PER HOUR

BEST COPY AVAILABLE

SUBJECT FILE

REPOSITORY DOE/PASO
 COLLECTION DOE/NV
 BOX No. 1234
 FOLDER ENEWETOK RADIOLOGICAL SURVEY 6/72-11/76

Action Info File

A	I	ROUTING
✓		DIRECTOR <i>WLD 11/24</i>
	✓	ADM. ENGR. <i>WLD 11/24</i>
		PROJ. ENGR.
		SECRETARY
SEND COPY TO:		
NV		
H&N		
J.A.		
Other		<i>Marchant 11/24</i>

CONVERSION FACTORS UNTIL THEY HAVE HAD A CHANCE TO MASSAGE THEIR DATA IN LAS VEGAS. ALLOWING FOR THE POSSIBILITY THAT THESE VALUES MAY CHANGE SLIGHTLY AS THE CONVERSION FACTOR BECOMES FINAL, THE FOLLOWING OBSERVATION MAY BE MADE ON THOSE ISLANDS FOR WHICH OVERLAY CONTOUR PLOTS HAVE BEEN COMPLETED.

DAVID, ELMER, AND FRED: UNIFORM LEVELS OF 1 MICRO R PER HOUR OR LESS EXCEPT FOR THE THREE POINT SOURCES ON ELMER AND THE TWO ON FRED ALREADY NOTED IN PREVIOUS STATUS REPORTS.

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BRUCE: MOST OF THE ISLAND BELOW 1 MICRO R. ONE SMALL PATCH IN CENTER BETWEEN 1 AND 1.7 MICRO R.T

THE FOLLOWING ISLANDS HAVE FAIRLY UNIFORM DISTRIBUTION OF ACTIVITY OVER THE CENTRAL AREAS WITH MAXIMUM VALUES AS INDICATED:

URSULA AND LEROY: 3.5 TO 6 MICRO R/HR

GLIVE : MOSTLY 6 TO 12 MICRO R/HR WITH ONE PATCH 12 TO 25

KATE : 12 TO 25

DAISY, CLARA, AND ALICE: 25 TO 50

BELLE : MOSTLY 50 TO 100 ONE PATCH 100 TO 200

JANET: : MOST OF THE ISLANDS BETWEEN 12 AND 25 MICRO R/HR WITH ONE AREA BETWEEN 25 AND 50 MICRO R /HR IN NORTHEAST CORNER.

IRENE : MUCH STRUCTURE TO THE RADIATION PATTERN MOSTLY 25 TO 50 MICRO R/HR BUT THERE IS ONE AREA BETWEEN 50 AND 100 MICRO R ON THE NORTH SIDE OF THE CRATER.

SALLY : MUCH STRUCTURE TO THE PATTERN, UNDOUBTEDLY DUE TO PACE ACTIVITIES. MOST OF THE LEVELS ARE BETWEEN 3 AND 12 MICRO R/HR BUT THERE IS ONE SMALL AREA BETWEEN 12 AND 25 MICRO R/HR IN THE NORTHWEST CORNER.

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YVONNE : A VERY COMPLEX STRUCTURE, ENTIRELY CONSISTENT WITH THE GROUND SURVEY DATA.

HIGH QUALITY MULTISPECTRAL PHOTOGRAPHY IS NOW COMPLETE ON ALL ISLANDS. FIVE PHOTO BOOKS ARE COMPLETED AND LARGE (16 X 20 INCH) WORKING PRINTS ARE BEING MADE FOR THE ENGINEERING SURVEY GROUP. JACK DOYLE AND THE TWO PHOTOGRAPHERS WILL LEAVE FOR HOME ON NOV 22.

THE REMAINING HELO FLYING HOURS WILL BE DEVOTED TO LOW ENERGY RADIATION MISSIONS ON ISLANDS IN THE NORTHERN HALF OF THE ATOLL. REDUCTION OF THE LOW ENERGY DATA WILL PROCEED AS SOON AS COMPUTER SOFTWARE IS PERFECTED.

END OF PH II STATUS REPORT NO 10,

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#0905

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