



410067

MI GLL

PACIFIC NORTHWEST LABORATORIES
RICHLAND, WA 99352

1830 MATERIAL

XEROX 200 TELECOPIER DIRECT DIAL
FTS (509) 376-3876 OR
FTS (509) 375-2718

VERIFICATION
FTS (509) 375-2580

1831 MATERIAL

XEROX 200 TELECOPIER COMMERCIAL
(509) 376-3876 OR
(509) 375-2718

FILL OUT FORM IN BLACK INK OR TYPE

TELECOPY IS INTENDED FOR TRANSMISSION OF URGENT UNCLASSIFIED DATA. TO AVOID DELAY, FILL IN FORM COMPLETELY.

DATE: OCTOBER 25, 1982

NUMBER EACH PAGE CONSECUTIVELY

TO: DR W L ROBISON

ADDRESSEE'S NO: FTS 532-1100

COMPANY: LAWRENCE LIVERMORE LABORATORY

TELECOPIER NO: FTS 532-1370

CITY, STATE: LIVERMORE CA

VERIFICATION NO: FTS 532-4546

FROM: DR W J BAIR

OFFICE PHONE: (509) 375-2421

COST CODE: D7C20

WORK ORDER NO: A57528

PAYROLL NO: 30627

THIS TRANSMISSION CONSISTS OF 1 PAGES (EXCLUDING COVER SHEET)

| Ato11 (1980 Population) | Highest Dose to Individual in 1 Year (mrem) | 30 Year Whole Body Dose (mrem) | 30 Year Bone Marrow Dose (mrem) | 30 Year Excess Cancers | 30 Year Excess Birth Defects |
|----------------------------|---|-----------------------------------|---------------------------------------|---------------------------|------------------------------------|
| Ujelang (100) | 20 | 130 | 150 | 0.002 - 0.01 | 0.0002-0.002 |
| Wotho (76) | 30 | 200 | 230 | 0.002 - 0.01 | 0.0002-0.003 |
| Ailingmae (100*) | 230 | 1800 | 1800 | 0.02 - 0.2 | 0.002 -0.03 |
| Rongelap (233) | 400 | 2500 | 3400 | 0.1 - 0.7 | 0.007 -0.1 |
| Rongerik (100*) | 450 | 1800 | 3800 | 0.05 - 0.3 | 0.002 -0.03 |
| Likiep (487) | 80 | 560 | 600 | 0.04 - 0.3 | 0.003 -0.05 |
| Taka (100*) | 20 | 140 | 190 | 0.002 - 0.02 | 0.0002-0.003 |
| Jemo (100*) | 60 | 440 | 500 | 0.006 - 0.04 | 0.0005-0.008 |
| Utirik (328) | 80 | 530 | 680 | 0.03 - 0.2 | 0.002 -0.03 |
| Bikar (100*) | 170 | 520 | 690 | 0.02 - 0.1 | 0.0006-0.009 |
| Ailuk (420) | 90 | 660 | 690 | 0.04 - 0.2 | 0.003 -0.05 |
| Bigen, Ailuk A. (420) | 280 | 660 | 1300 | 0.06 - 0.4 | 0.003 -0.05 |
| Mejit (329) | 100 | 700 | 730 | 0.03 - 0.2 | 0.003 -0.04 |

* For uninhabited islands, calculations were based on possibility of 100 people living there in the future.

REPOSITORY PNNL
COLLECTION Marshall Islands
BOX No. 5688
FOLDER Calculations 9/82

DOCUMENT DOES NOT CONTAIN ECI

Reviewed by DJ Krueger Date 4/30/97

DO NOT