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USERDA

W. W. BURR, JR., BER GERMANTOWN, MARYLAND 15/ Bur

USERDA, DIRECTOR, PASO, HONOLULU, HAWAII ATTN: ROCER RAY

DRAFT STATEMENT DISCUSSED WITH YOU PREVIOUSLY FOLLOWS:

EVERYONE IN THE WORLD EXPOSED TO FALLOUT FROM NUCLEAR WEAPONS

TESTS CARRIES A MINUTE AMOUNT OF PLUTCHIUM IN THEIR BODY,

COME OF WHICH IS EXCRETED IN URINE. PARA. AS A PART OF

ERDA'S CONTINUING RESPONSIBILITY TO EVALUATE THE RADIOLOGICAL

STATUS OF THE PEOPLE AND THE ENVIRONMENT OF THE MARSHALL

ISLANDS, VERY PRELIMINARY DATA FROM RADIOCHEMICAL ANALYSES

OF POOLED URINE IN SAMPLES FROM A SHALL NUMBER OF PEOPLE HAVE

INDICATED THAT THE CONCENTRATION OF PLUTONIUM-239, 240 IN

THE URINE OF PERSONS RESIDING ON THE BIKINI AND RONGELAP

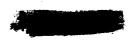
ATOLIS APPEARS TO BE SOMEWHAT HIGHER THAN THAT IN THE URINE

OF SELECTED RESIDENTS OF NEW YORK CITY. RADIOANALYSES OF

THESE SAMPLES FOR OTHER RADIONUCLIDES IS IN PROCRESS. PARA.

W. W. Burr, Jr.:jkp MS: E-201 EXT. 3-3153

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THE URINE CONCENTRATIONS OF PLUTONIUM IN BOTH POPULATIONS ARE
WELL BELOW LEVELS DETECTED BY USUAL LOW-LEVEL COUNTING PROCEDURES
AND WELL BELOW LEVELS FOR WHICH WE HAVE EXPERIENCE IN ESTIMATING
THE AMOUNT OF PLUTONIUM IN THE BODY. BECAUSE OF THIS AND IN
VIEW OF OTHER FACTORS SUCH AS COMPLETELY DIFFERENT LIVING AND
PHYSIOLOGICAL PATTERNS OF THE TWO POPULATIONS, THE POSSIBLE
SIGNIFICANCE OF THIS FINDING IS VERY UNCERTAIN. IN ADDITION,
THE METHOD OF SAMPLING IS SUCH THAT VERY SMALL LEVELS OF
ENVIRONMENTAL PLUTONIUM MIGHT HAVE CONTAMINATED THE SAMPLES.

FARA. BASED UPON THE DATA PRESENTLY AVAILABLE, THERE DOES NOT
APPEAR TO BE ANY IMMEDIATE NEED FOR CONCEEN: STUDIES ARE
CONTINUING TO CLARIFY THE SIGNIFICANCE OF THESE MEASUREMENTS.

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