

Feb 78

circulate
Merrill
Brown
Miller
Sykes

ROUTINE

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ACTION: JT685-02,
INFO: #13#

This is the TWX R2 is replying to today (03) (2/23/78)

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RTTUZYUW RUWTFBA4739 0531718-UUUU--RUHVAAA.

ZNR UUUUU

221520Z FEB 78

FM FCDNA KIRTLAND AFB NM/FCZ
TO RHEGNVO/DOE-NV LAS VEGAS NV/ERSP
INFO RUHHDNA/CDR JTG ENEWETAK MI/FCR
RUEBDBA/DNA WASH DC/OALG
RUHVAAA/FCDNA HICKAM AFB HI/FCLP

BT

UNCLAS

SUBJ: FOLLOW-UP OF DISCUSSIONS

1. DURING JANUARY 78 TRIP TO ENEWETAK THERE WERE MANY DISCUSSIONS REQUIRING FOLLOW-UP ACTION. BY FCDNA RECORDS THOSE FOLLOWING ARE PERTINENT TO DOE.

2. CLEANUP OF CONTAMINATED SOIL FROM RUNIT (YVONNE) IS TO BE DEFERRED, OR PERHAPS CANCELED ENTIRELY, IN FAVOR OF CLEANUP OF OTHER ISLANDS. RUNIT, AS A QUARANTINED ISLAND, HAS NO PRODUCTIVE USE FOR THE RESETTLED PEOPLE AND PRESENTS NO LIFETIME DOSE HAZARD. HOWEVER, DATA WAS PRESENTED SHOWING SOIL CONTAMINATION LEVELS IN THOUSANDS, OR TENS OF THOUSANDS, OF PICO CURIES PER GRAM, GROSS ALPHA, ON RUNIT. THESE LEVELS ARE FAR IN EXCESS OF THE 'ACTION REQUIRED'

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LEVELS (400 PCI/G) IN THE AEC TASK GROUP REPORT GUIDELINES AND FAR IN EXCESS OF THE LEVELS REPORTED IN NVO-140. THE QUESTION ARISING IS WHETHER IT IS ACCEPTABLE TO LEAVE SUCH HIGH CONTAMINATION LEVELS EVEN ON A QUARANTINED ISLAND? IF IT IS NOT, WHAT LEVEL, OTHER THAN 400 PICO CURIES PER GRAM, IS ACCEPTABLE? REQUEST YOUR ADVISE AND RATIONALE ON THESE QUESTIONS FOR BOTH SURFACE AND SUBSURFACE CONTAMINATION. FOR PLANNING PURPOSES WE ALSO NEED AN ESTIMATE OF WHEN THE DOE CHARACTERIZATION OF RUNIT (YVONNE) WILL BE COMPLETED. SOIL CLEANUP DECISIONS FOR ALL ISLANDS MUST AWAIT INFORMATION AS TO WHAT IS ON RUNIT AND WHAT IS ACCEPTABLE TO LEAVE THERE, NOT ENTOMBED IN THE CRATER.

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REPOSITORY DOE/PASO
COLLECTION DOE/NV
BOX No. 1236
FOLDER ENEWETAK FOLDER #9
GENERAL CORRESPONDENCE
FY 1978

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3. THE POSSIBILITY OF USING THE AOMON(SALLY) - BIJIRE(TILDA)-LOJWA(URSULA) COMPLEX AS A RESETTLEMENT RESIDENTIAL SITE FOR THE DRI-ENJEBI PEOPLE WAS DISCUSSED. SUCH A POSSIBILITY IS LARGELY DEPENDENT ON RADIOLOGICAL CONDITIONS. FURTHER CONSIDERATION OF THIS POSSIBILITY MUST DEPEND ON INFORMATION ON:

A. TRANSURANICS CONTAMINATION LEVELS IN SOILS FOR ALL THREE ISLANDS.

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B. CONTAMINATION LEVELS FOR FISSION PRODUCTS, CESIUM 137, COBALT 60, STRONTIUM 90, ETC., ON THESE THREE ISLANDS.

C. CHANGES IN LIFETIME DOSE ASSESSMENT AFFECTED BY RESETTLEMENT ON THESE ISLANDS, RATHER THAN ON THE SOUTHERN ISLANDS.

REQUEST THAT INFORMATION ON THE POTENTIAL RADIOLOGICAL SUITABILITY OF THESE THREE ISLANDS FOR LONG-TERM RESIDENCE BE PROVIDED AS SOON AS POSSIBLE TO FCDNA, TTPI, MICRONESEAN LEGAL SERVICES (MR MITCHELL), AND TO HOLMES AND NARVER PERSONNEL MANAGING THE TTPI REHABILITATION PROJECT.

4. TO CLEAN ENJEBI (JANET) BELOW 40 PICO CURIES PER GRAM REQUIRES ABOUT 35,000 CUBIC YARDS OF SOIL REMOVAL. TO CLEAN BELOW 50 PICO CURIES PER GRAM REDUCES THIS VOLUME TO ABOUT 9000 CUBIC YARDS. A SENSITIVITY ANALYSIS OF 40 PICO CURIES PER GRAM VERSUS 50 PICO CURIES PER GRAM FOR LIFETIME DOSE ASSESSMENT WAS TO BE RUN TO DETERMINE WHETHER THE HIGHER LEVEL WAS ACCEPTABLE. THIS ANALYSIS IS NEEDED FOR SOIL CLEANUP DECISIONS. REQUEST AS SOON AS AVAILABLE.

5. MR RAY AGREED TO QUERY THE UNIVERSITY OF HAWAII ON THE POSSIBLE HYDROLOGICAL IMPACTS OF USING CONCRETE RUBBLE TO
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BUILD A JETTY OR AN ARTIFICIAL REEF OFF OF ENJEBI (JANET). THE RESULTS WERE TO BE PROVIDED TO FCDNA AND JTG. REQUEST THIS INFORMATION ALSO BE PROVIDED TO HOLMES & NARVER PERSONNEL MANAGING THE TTPI REHABILITATION PROJECT.

6. THE USE OF PLOWING AS A METHOD OF MEETING RADIOLOGICAL CLEANUP CONDITIONS WAS DISCUSSED. PLOWING IS AN ACCEPTABLE METHOD UNDER PROPOSED EPA GUIDELINES. IT WAS AGREED THAT PLOWING IS DESIRABLE AS A METHOD OF FURTHER REDUCING AVERAGE CONCENTRATIONS ONCE APPROVED CLEANUP CONDITIONS HAVE BEEN MET. DOE AGREED TO FURTHER STUDY THE ACCEPTABILITY OF PLOWING TO

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MEET APPROVED CLEANUP CONDITIONS. REQUEST THAT ADVICE ON THIS
OPTION BE PROVIDED ASAP.

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