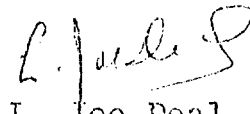


~~sub-panels, and new panels on the site~~
can be used as a village island and still maintain exposures of residents within the acceptable standards. Past data has not provided any optimism on the answer to this question. DOI is anxiously awaiting the new information. We are committed to providing this information and subsequent advice to DOI by the end of January 1979.

We have listed and enclosed suggested options relative to the assessment of Encu as a village island. Any suggestions you have would be most welcome. We would of course be pleased to discuss this with you and Bill Robison.

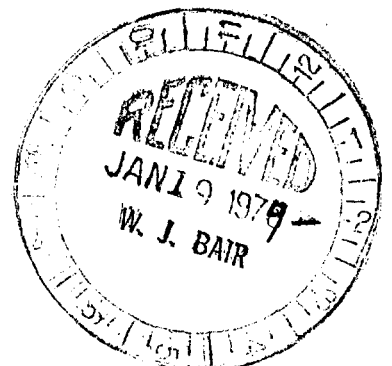
Sincerely,

BEST COPY AVAILABLE



L. Joe Deal, Assistant Director
Division of Operational
and Environmental Safety

cc: R. J. Catlin, OECO
W. W. Burr, OHER
W. Weyzen, OHER
✓ W. Bair, FNE
B. Wachholz
R. Ray, NV



STAFF COMMENTS

It is expected that the results of dose estimates for use of Eneu as a village island will depend to a considerable degree on the assumptions regarding land use and diet. The task of providing additional advice to DOI is further complicated by observing that while we have a chance to correct past mistakes, the problem of limiting exposures in an atoll environment is more difficult than recognized earlier.

Though the residency limitations of the return to Bikini Atoll were never well understood by the Bikinians and any understanding they may have had has been further dimmed by time, the fact is that the AEC recommendation to President Johnson for their return to the atoll and the subsequent plans for cleanup and rehabilitation of the atoll, were based primarily upon radiological considerations. First, that the U.S. radiation protection standards for exposures of individuals will be used to determine what is "safe."* Second, that any restrictions to limit exposures be simple and easily understood by the Bikinians, and three, that all involved parties maintain a spirit of cooperation to achieve the goal of the Bikinians again living in safety on their atoll. These parties include the people, their advisors, the Trust Territory Government, and agencies of the Federal Government.

In addition, past judgements and recommendations have been based on dose estimates using the average contamination level of land and food as opposed to "worst case" conditions. We believe this approach is still valid.

*There is no documentation that a numerical balance or trade-off was made between the benefits of the Bikinians return and the risks of radiation exposure. As stated in 1968, the predicted exposures "do not offer a significant threat to health and safety." In our strict application of Federal radiation standards for a similar decision to return the Enwetakese to their atoll, EPA considered the numerical values of these standards as upper limits.

advice on whether or not the Bikini people should return to live on Eneu Island. Predicted doses, expressed as the highest annual whole body and bone marrow doses for individuals and 30-year whole body doses for the population, from all contributing radionuclides, will be evaluated using current radiation standards. As at Enewetak, 50 percent of annual and 80 percent of 30-year standards will be used in evaluating resettlement options. Doses from transuranium elements will be compared with the 1 mRad/yr to lung and 3 mRad/yr to bone as presented in EPA's proposed guidelines. If the radiological data base is adequate it would be most helpful to have dose estimates for the three options listed below. Among these, results for option I are essential to providing additional advice to DOI. Therefore option I should be given highest priority.

- I. Live on Eneu Island - all food grown on Eneu plus fish from lagoon:
 - a. plus imported food

developed for those who lived on Bikini Island. This value will be included in all 30-year dose estimates.

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DOCUMENT DOES NOT CONTAIN ECI

Reviewed by PK Schmitt Date 4/30/97