



DEFENSE NUCLEAR AGENCY  
FIELD COMMAND  
KIRTLAND AIR FORCE BASE, NEW MEXICO 87115

409807

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Reviewed by J. R. Schaefer Date 4/29/97

2 SEP 1976

Manager  
United States Energy Research & Development Administration  
Nevada Operations Office  
ATTN: Mr Roger Ray  
P. O. Box 14100  
Las Vegas, NV 89114

REPOSITORY P.N.N.L.  
COLLECTION Marshall Islands  
BOX No. 5685  
FOLDER Enewetak 1976

Dear Mr Ray:

During the 21 May 76 meeting at ERDA/NV on Enewetak Cleanup, opinions were expressed that soil Pu concentration data should be treated statistically by automatic computer contouring methods to yield concentration contours with some known level of confidence. If these methods are to be used during Cleanup, it would seem beneficial to test them at this time. The data necessary to make such a test are tabulated in enclosure 1. They are Pu concentrations for Enjebi island from AEC/WD-148 and corresponding sample location coordinates from the original maps used during the AEC Enewetak Survey. These sampling locations were the only ones identified precisely by engineering surveyors.

Richard Gilbert, Battelle Pacific Northwest Laboratories, is doing automatic Pu contouring as part of ongoing ERDA studies. In a recent informal discussion with Ed Bramlitt, he indicated that, if authorized, he could analyze the Enjebi data in a few work days and the effort would add to the overall understanding of Pu contouring as well as identify better the regions of Enjebi deserving more thorough sampling. Frank Markwell also expressed an interest in analyzing the Enjebi data by his contouring method in order to illustrate the need for a more extensive survey during Cleanup.

Your assistance would be appreciated in arranging for the Enjebi data to be contoured by the methods most appropriate for Cleanup.

**BEST COPY AVAILABLE**

Sincerely,

1 Encl  
As stated

J. R. SCHAEFER  
Colonel, USA  
Director, Logistics

Copy Furnished:  
Mr Richard O. Gilbert ✓

