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Department of Energy  
Nevada Operations Office  
P. O. Box 14100  
Las Vegas, NV 89114

November 11, 1977

James L. Liverman, Acting Assistant  
Secretary for Environment, Headquarters

#### ENEWETAK CERTIFICATION

Forwarded herewith is a draft format for certification of individual islands of Enewetak Atoll. It is planned that one such document will be prepared for each island and delivered to the Commander of the Joint Task Group soon after each island cleanup is completed. The complete set of certification documents, accompanied by an explanatory text and other available survey data updating NVO-140 will constitute, at the conclusion of the cleanup, a current radiological description of Enewetak Atoll.

It should be noted that the certification will not incorporate a judgment as to appropriate use and occupancy conditions and restrictions. Nor will it constitute an appraisal of the appropriateness of cleanup decisions or of the manner of execution of cleanup plans.

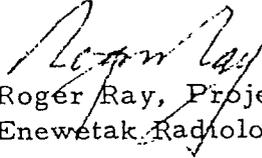
The proposed format provides several alternative statements regarding Pu contamination of soil. Although it is believed at this time that all likely cleanup scenarios have been provided for, circumstances may dictate modification of one or more statements on an individual case basis.

I propose to discuss certification and the draft format in the forthcoming (November 22) Marshall Islands Steering Committee Meeting and to immediately thereafter seek your approval for the use of the proposed certification form. This will enable the Enewetak Radiological Support

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*W. W. Wynn*

Project to grant timely certifications as the DNA cleanup effort progresses. Actual soil removal is scheduled to commence at Enewetak on or about November 15, 1977.

  
Roger Ray, Project Manager  
Enewetak Radiological Support Project

Enclosure:  
Certification

cc w/encl:

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DRAFT  
FORMAT  
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Department of Energy  
Enewetak Radiological  
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APO San Francisco 96333

RADIOLOGICAL CONDITION CERTIFICATION  
ISLAND ( )

This Document, executed by the Project Manager, Enewetak Radiological Support Project (ERSP) of the U. S. Department of Energy, provides, as of the date of execution, the best available radiological description of the subject island.

- I. Radioactive Debris. CJTG Enewetak has reported (Attachment No. 1.) that diligent effort has been made to locate all radioactive debris and all of that which has been located has been removed for disposal in accordance with OPLAN 600-77.
- II. Burial Sites. Based upon a study of the history of test operations; including an examination of markers, tablets and monuments, all known and suspected burial sites have been investigated and their radioactive contents removed for disposal in accordance with OPLAN 600-77.
- III. Plutonium in Surface Soil. Surface<sup>1</sup> soil levels were determined as set forth in Paragraph 4b , Tab E, App 2, Annex C, OPLAN 600-77. With exceptions set forth below, surface concentrations are below pCi/gm.

(Exceptions, case by case)

or

- III. Plutonium in Surface Soil. Based upon a study of the history of ~~test~~ operations and upon data reported in NVO-140, it was concluded to be unlikely that the island average of surface soil concentrations exceeds pCi/gm. (No single sample exceeded pCi/gm). Therefore, no further survey effort was deemed warranted.

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IV. Subsurface Plutonium. Based upon a study of the history of test operations and upon soil profile data reported in NVO-140, it was concluded that no soil removal action was necessary to meet the requirement of Paragraph 4b(4), Tab E, App 2, Annex C, OPLAN 600-77. No single subsurface sample exceeded \_\_\_\_\_ pCi/gm.

or

IV. Subsurface Plutonium. Based upon a study of the history of test operations and upon soil profile data reported in NVO-140, a diligent search was conducted to locate subsurface concentrations exceeding 400 pCi/gm. Those located have been excised and removed for disposal in accordance with OPLAN 600-77.

or

IV. Subsurface Plutonium. (If known concentrations are left in place, or if suspected locations are not investigated, a special statement will be tailored to the conditions which are known.)

The above conditions being consistent with the objectives established by the CTG Enewetak, the cleanup of Island \_\_\_\_\_ ( \_\_\_\_\_ ) is considered complete.

Date

Project Manager

1. OPLAN 600-77 defines surface soil concentration as follows: "The apparent concentration on the surface, as viewed by in-situ detector. In reality, this is a complex function of the distribution of Pu in the top few cm of soil. Normally expressed in pCi/gm."

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