



Department of Energy
Nevada Operations Office
P. O. Box 14100
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EV-212, HQ

ENEWETAK CERTIFICATION

Enclosed herewith is the Certification Format for Enewetak, which has resulted from numerous discussions, reviews and comments over the past month.

I have done my best to accommodate the suggestions of appropriate DoD elements as well as those I have received from you and others of the HQ staff. It seems, however, that now the time has come to turn from format to substance. I believe that this format will provide us a vehicle for writing detailed island-by-island radiological descriptions and that if we find a case or a few cases where because of the peculiar characteristics of a particular situation the standard format is deficient, it will be easy enough to tailor a specific certification. In any event, it is my intention to proceed with this task on my forthcoming tour at Enewetak. The original of each certification will be delivered to the Task Group Commander and copies will be furnished you (and others on request). The box score will be reported in our situation reports.

I should like to again remind you of our need for a document which formally establishes the definitions of the terms

Residential,
Agricultural, and
Food Gathering

You will note that such a document is referenced in blank at the end of both versions of certification paragraph III. I hold no particular

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Department of Energy
Enewetak Radiological
Support Project
APO San Francisco 96333

CERTIFICATION

Based on an evaluation of radiological conditions generally described below, the radiological cleanup of _____,

(Geographic Name (Code Name))

Enewetak Atoll, Marshall Islands, has been completed substantially in accordance with the radiological guidance contained in the Report by the Atomic Energy Commission (AEC) Task Group entitled "Recommendations for Cleanup and Rehabilitation of Enewetak Atoll," 19 June 1974, as approved by the Commissioners of the AEC on 12 August 1974, and as amplified by Department of Energy guidance provided for field use which is contained in Section 4, Tab E, Appendix 2, Annex C of FC DNA OPLAN 600-77, 29 April 1977, and subsequent correspondence.

- I. Radioactive Debris. The Commander, Joint Task Group Enewetak, has reported (Atch. #1) that a diligent effort has been made to locate all radioactive debris. Disposition of all such debris has been in accordance with OPLAN 600-77, or other appropriate guidance.
- II. Burial Sites. Based upon a study of the history of test operations, interviews with former test participants, evaluation of the results of the Fission Product Data Base Program, and an examination of markers, tablets and monuments, all known and suspected burial sites have been investigated and with the exceptions noted below their radioactive contents, if any, removed for disposal in accordance with OPLAN 600-77. (State "no exceptions" or describe specific conditions.)

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- III. Transuranics¹ in Surface² Soil. Post-cleanup surface soil concentrations were determined as set forth in ERSP Technical Note No. _____.

With the exceptions set forth below, surface concentrations are below _____ pCi/gm, and the island average is determined to be _____ pCi/gm. This island therefore satisfies the definition of a (Residence) (Agricultural) (Food Gathering) island as set forth in Department of Energy Memorandum, Subject: _____ dated _____.

Or

- III. Transuranics in Surface Soil. Based upon a study of the history of test operations, upon the data reported in NVO-140, and upon radiological measurements made during the cleanup project, it was concluded to be unlikely that the island surface soil concentrations exceed _____ pCi/gm. This island therefore satisfies the definition of a (Residence) (Agricultural) (Food Gathering) island as set forth in Department of Energy Memorandum, Subject: _____ dated _____, and no radiological cleanup effort was deemed warranted.

- IV. Transuranics in Sub-surface Soil. Based upon a study of the history of test operations, upon soil profile data reported in NV-140, and upon the results of the Fission Product Data Base Program (if applicable), it was concluded that no subsurface investigation was required on this island.

Or

- IV. Transuranics in Sub-surface Soil. Based upon a study of the history of test operations, upon soil profile data reported in NVO-140, and upon the results of the Fission Product Data Base Program (if applicable), a diligent search was conducted, as outlined in Attachment #2,

1 For the purpose of this certification, the term *Transuranics* is defined as those radionuclides measured and calculated by the ERSP to guide the Enewetak cleanup, i.e., 239 Pu, 240 Pu and 241 Am.

2 *Surface*, in this context, refers to the layer of soil observed by the in-situ detector in its normal measuring position. It is generally taken as approximately 3 cm in depth.

to locate subsurface soil concentrations exceeding 160 pCi/gm and extending in area to at least 1/16 hectare. With the exceptions noted below, those located have been excised and removed for disposal in accordance with OPLAN 600-77.

(State "no exceptions" or describe specific conditions)

- V. Special Considerations. This paragraph, where used, will describe any radiological situation or condition which is peculiar to this island and is not covered by paragraphs I through IV.

Project Manager
Authorized Department of Energy Representative