



UNITED STATES  
ATOMIC ENERGY COMMISSION  
NEVADA OPERATIONS OFFICE  
P. O. BOX 14100  
LAS VEGAS, NEVADA 89114

SEP 22 1969

Maj. Gen. E. H. deSaussure, Jr.  
Commander  
Test Command, Defense Atomic  
Support Agency  
Sandia Base  
Albuquerque, New Mexico 87115

Dear General deSaussure:

Reference the Memorandum of Understanding between the Division of Military Application, AEC and the Defense Atomic Support Agency, DOD, on Cleanup of Bikini Atoll, dated 11 February 1969.

This will certify that the program of radioactive scrap removal, environmental sampling, and general radiological cleanup at Bikini Atoll has been satisfactorily completed. Food and environmental samples collected during the operational cleanup period are presently being analyzed at the SWRHL and University of Washington laboratories. Results of these analyses will be incorporated into a final report to AEC HQ which will include recommendations concerning use of the land and consumption of locally available foods in connection with the resettlement program.

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Enclosed is a final status report for the radiological cleanup effort and certification from Mr. Al Smith, Radiological Safety Advisor to CJTG 8.8, that the program has been completed.

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Maj. Gen. E. H. deSaussure, Jr. -2-

SE. 2 1969

If any further information is required, please contact Mr. Frank Cluff of this office.

Very truly yours,



Robert E. Miller  
Manager

TMOS:FDC-656

Enclosure:

1. Final Status Report of The Radiological Cleanup Program - Bikini
2. Ltr, Al Smith (USPHS) to Frank Cluff, dtd 9-19-69

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FINAL STATUS REPORT OF THE  
RADIOLOGICAL CLEANUP  
PROGRAM - BIKINI

The following outline summarizes the present residual background gamma radiation levels determined on the islets of Bikini Atoll. Also included are notes on the disposition of radioactive scrap found. This outline essentially updates the interim Bikini status report forwarded to your office on 14 August 1969.

Islands

Summary of Cleanup

- |   |  |
|---|--|
| 1. Near Able (Bokbata) on the reef.                 | Range 5-10 uR/hr. One small closure door on bunker and a couple of large pieces of metal in water were radioactive to 200-300 uR/hr. Remainder of scrap ranged from 10-40 uR/hr. |
| 2. Alpha (Bokaetoktok)                              | Range 5-15 uR/hr. No radioactive scrap.  |
| 3. Bravo (Bokdrolul)                                | Range 5-25 uR/hr. No radioactive scrap.  |
| 4. Charlie (Nam)                                    | Several items of radioactive scrap in range of 100-500 uR/hr disposed of at sea. Less active scrap buried.   |
| 5. Dog-Easy-Fox-George (Iroi-j-Okrik-Lomilik-Aomen) | Range 10-500 uR/hr. Radioactive scrap in range of 100-500 uR/hr disposed of at sea. Less active scrap buried.  |
| 6. How (Bikini)                                     | Range 10-110 uR/hr. Small amount of radioactive scrap found and disposed of at sea.  |
| 7. Item (Bokantauk)                                 | Range 5-10 uR/hr. No scrap   |
| 8. Jig (Iomelen)                                    | Range 5-10 uR/hr. No radioactive scrap.  |
| 9. King (Enealo)                                    | Same as Jig  |
| 10. Love (Rojkere)                                  | Same as Jig  |

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Islands

11. Mike (Enojebi)
12. Nan (Eneu)
13. Oboe-Peter-Roger  
(Aerokoj-Aerokojlol-  
Bikdrin)
14. Sugar-Tare
15. Uncle (Enidrik)
16. Victor (Lukoj)
17. William (Jelete)
18. Yoke (Adrikan)
19. Zebra (Oroken)
20. Charlie-Dog Reef

Summary of Cleanup

Same as Jig

Range 5-40 uR/hr. No radioactive scrap was found.

Range 5-10 uR/hr. No radioactive scrap found on islands. Some on reef near causeway was removed and disposed of at sea.

Range 10-800 uR/hr. Radioactive scrap in excess of 100 uR/hr disposed of at sea. Two large collimators less than 100 uR/hr buried on land (Tare).

Range 10-300 uR/hr. All radioactive scrap buried at sea.

Range 10-180 uR/hr. No radioactive scrap

Range 10-150 uR/hr. No radioactive scrap was found.

Range 5-50 uR/hr. No radioactive scrap

Range 5-30 uR/hr. No radioactive scrap

Structure #1. A few structures, awash at high tide, ranging from 100-500 uR/hr. Remainder was negligible.

Structure #2 and #3. All readings were less than 10 uR/hr.

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DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE

SEP 19 1969

REFER TO: PPC:AES

SOUTHWESTERN RADIOLOGICAL HEALTH LABORATORY  
P. O. BOX 14100  
LAS VEGAS, NEVADA 89114

Frank D. Cluff, Safety Officer  
Safety Advisory Group  
U. S. Atomic Energy Commission  
Nevada Operations Office  
P. O. Box 14100  
Las Vegas, Nevada 89114

Dear Mr. Cluff:

Prior to your last visit to Bikini Atoll, you and Mr. William Moore of SWRHL prepared a status report of the cleanup program. This was transmitted to General de Saussure by letter of August 14, 1969. That summary indicated certain things were still to be completed before the radiological cleanup could be considered to be satisfactorily accomplished.

The islands of Jig, King, Love and Mike were surveyed before I left. All background readings were in the 5-10  $\mu$ R/hr range and no evidence of contaminated scrap was found.

All radioactive debris from the Dog-George complex had been removed and was ready for disposal at sea.

Removal of debris from Charlie was essentially complete and all radioactive scrap had been marked for disposal.

On all other islands, any work remaining was not concerned with the radiological cleanup, but was more in the nature of beautification efforts.

I have been assured by Joe Merrill that the disposal of debris from Dog-George and Charlie has been accomplished. I am satisfied at this time that the radiological cleanup is complete and JTF-S may be so notified. Any further efforts on Bikini are a matter of negotiation between JTF-S and the Trust Territory and do not affect the status of the radiological safety effort.

Sincerely yours,

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*Allan E. Smith*  
Allan E. Smith, Chief  
Pacific Operations