

DELETED VERSION ONLY

R 0871W
From CTE 7.1 B...
To ISARC SFCG Alongside + AM...
Info Director LASH for...
Jig Division LASH for...
Passed by other...
Cite JF 4806

REC
Aug 14 1953
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For Cole info Name's boundary, Matlap, H... Following is a summary of fallout from... further developments and more frequently for... preparation with events subsequent to...

Part 1: Fallout... traveled... from Bikini to Bikar Atolls, and was... south of the island of Hawaii at... of 0.00 to 0.045 r/hr at 12-20,000 feet. The highest activity was... narrow band which passed just north of... near Bikar.

Part 2: Surface... at... reported as 1.1 r/hr average... (ANPP-32 and... Scintometer).... experienced monitors utilized in survey. Consider... that fallout started at... by 2 plus 21 hours, (... average... 100 m. Natives were evacuated by 10:00 AM on 3.

Part 3: Film badges... on Bikar. Highest... 3 people living in a tent. Four... in metal barracks read 10, 10, 10, 10...

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10/25/86
98/10/10/25/86
REVIEW/018

RG 326 US ATOMIC ENERGY COMMISSION

Location DOE/NV
Collection MAR 300 A
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control badges taken from refrigerated storage and carried in pockets for indeterminate time all over island. Aircraft evacuated the Weather Detachment by 6:00 ^{H + 3}

PM, March 2. Maximum (GMA) readings before and after prior decontamination hour. Ground station at Eniwetok began receiving dose 100 mc/hr at 2:00 PM, March 1. ^{H + 2}

Part 4: An aerial survey of Utiirik at approximately 5:00 PM, March 2, at low altitudes indicated 500 mc/hr extra detector gamma reading (Gamma only by NMO Scintareter). At 1:30 PM, March 3 (H plus 17) surface readings were 160 mc/hr. By estimating that fallout occurred at Utiirik at approximately H plus 16 hours and that the natives were evacuated by 11:00 PM, March 4, compute the total dosage received to be approximately 2700 mc.

Part 5: All natives have now arrived at Eniwetok and are under the care and supervision of Colonel Kawajabein. Health condition of natives remain satisfactory and physical examinations (limited) nothing unusual. There are no symptoms of radiation sickness as of now. Foodstuffs seem to be difficult to feed but this is thought to be due to abnormal variation from normal diet. Procurement of foodstuffs is being accomplished via local natives. Present prognosis favorable. Natives very good.

Part 6: A ship ALE (North American ship) arrived Utiirik after fallout occurred. We will report this vessel to Utiirik to determine whether or not she received any radiation exposure. Ship reported to have 50 persons aboard. This ship was scheduled to arrive Eniwetok on 10/10/54. It arrived Utiirik 10:00 AM, **DOE/NV** March 2, and departed Utiirik at 7:00 AM, March 3.

Part 7: Have dispatched Hanshaw J.E. with experienced monitor and interpreter aboard to perform water and soil sampling at top of populated atolls of Likiep, Jemo, Ailik and Eniwetok. Mr. Hanshaw will also check Trust Territory ship mentioned Part 6. Mr. Hanshaw will be accompanied by interpreter. Has been dispatched by sea plane

to survey and to take water and soil samples of populated atolls at Watho, Wotie, Erikub, Maloelap and Majuro. Atolls being selected were those indicating more than .10 mr/hr and maximum of 150 mr/hr in 24 hours except Watho. Interpreters were included to measure native presence of disability of Bravo and radiation phenomena. Watho was background only included for the latter reason.

Part 8: Requested CinCPacFlt obtain permission from the British to make a survey flight of AEC NYC type around the Gilberts and return to Kwajalein. This made to completely exhaust Bravo for the evidence on populated areas adjacent to Marshall Islands. US Naval Attaché at London has indicated thru CinCPacFlt that permission granted. He further advised that the colonial officer has informed Commission on his described flight without mentioning radiation aspects. In his request to the British summary of the results be passed to him for information British authorities. This will be done.

Part 9: The above is a general summary of the situation and an indication of the action which has been taken. End.

DOE/NV