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Folder 3, Rongelap - Mexico TXS

19 April 1954

MEMORANDUM FOR RECORD

SUBJECT: Additional Ground and Air Radsafe Survey Data During Period BRAVO to BRAVO plus 5 Days

1. Following are readings from radsafe surveys during the period B to B plus 5 days:

a. Special ground surveys from PH4 survey flight and DDE evacuation parties: (All times Zebra, March 1954.)

		<u>Waist height on AN/PDR T1B in mr/hr</u>
Eniwetak Island (Rongerik Atoll)	012315	2000
Rongelap Island	020645	1400
Ailinginae Island	030445	445
Utirik Atoll	030145	160
Eniaetok Island (Rongelap Atoll)	020645	3000

b. NYOO ABLE, BAKER and CHARLIE flights originating from Kwajalein, flights GEORGE and ITEM originating from Oahu, flight EASY originating from Guam, and flight KING (Gilbert Islands), using special airborne (P2V) survey equipment (all times Zebra, March 1954, and readings extrapolated to the ground).

(1) NYOO Kwajalein Flight ABLE:

<u>Atoll</u>	<u>DTG (Zebra)</u>	<u>Intensity (mr/hr)</u>	<u>Atoll</u>	<u>DTG (Zebra)</u>	<u>Intensity (mr/hr)</u>
Lae	020010	.080	Ujae	020024	.100
Wotho	020100	1.000	Ailinginae	020128	400.000
Rongelap	020140	1350.000	Rongerik	020200	1720.000
*Taongi	020325	1.400	*Bikar	020428	600.000
Utirik	020451	240.000	*Taka	020456	160.000
Ailuk	020516	76.000	Jemo	020528	18.000
Likiep	020540	6.000			

\* uninhabited

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DOE NND DECLASSIFICATION REVIEW E.O. 12958  
BY: SEAN D. GAMAGE DOENN-000

(2) NYOO Kwajalein Flight BAKER:

<u>Atoll</u>	<u>DTG</u> (Zebra)	<u>Intensity</u> (mr/hr)	<u>Atoll</u>	<u>DTG</u> (Zebra)	<u>Intensity</u> (mr/hr)
Namu	021920	.020	Ailinglapalap	021945	.080
Namorik	030223	.200	Ebon	030047	.200
Kili	030024	.200	Jaluit	030006	.200
Mili	022309	.600	Arno	022228	.600
Majuro	022216	2.000	Aur	022145	.400
Maloelap	022124	3.600	Erikub	022102	4.000
Motje	022051	20.000			

(3) NYOO Kwajalein Flight CHARLIE:

Kusaie	030100	.800	Pingelap	030005	.600
Mokil	022330	.600	Ponape	022145	.800
Ujelang	022015	.800			

(4) NYOO Guam Flight EASY:

Guam	052140	.000	Mamonuito	060010	.000
Truk	060100	.000	Kuop	060110	.000
Iosap	060135	.000	Mamoluk	060200	.000
Lukonor	060215	.000	Satawan	060230	.000
Pulap	060404	.000	Guam	060615	.000

(5) NYOO Oahu Flight GEORGE:

Kauai	051740	.200	Miihau	051755	.080
Kaula	051805	.100	Nihoa	051857	.100
Necker	052000	.100	Fr. Frigate Shl.	052032	.200
Cardner Pinn.	052124	.200	Maro Reef	052225	.200
Laysan	052250	.080	Lisianski	052330	.080
Pearl-Hermes Rf.	060025	.080	Midway	060055	.100

(6) NYOO Oahu Flight ITEM:

Oahu	041718	.030	Lanai	041747	.004
Hawaii	041845	.040	Mau	042035	.080
Molokai	042115	.020			

(7) NYOO Gilbert Island Flight KING:

Beru	052305	.080	Nukunau	052315	.080
Arorae	052344	.040	Tamana	060015	.040
Onotoa	060028	.040	Tabiteuea	060047	.080
Aranuka	060135	.040	Abemama	-	.040
Tarawa	060229	.040	Abaiang	060239	.000
Marakei	060249	.000	Makin	060310	.080
Nonouti	060114	.080			

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