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US DOE ARCHIVES	
326 US ATOMIC ENERGY	
RG _____	COMMISSION
Collection <u>DBM Files</u>	410241
Box <u>1194 B-1</u>	
Folder <u>Area Exposure - CASTLE</u>	
Fallout Maps - Gummed Paper	

DATE: 1954

NOV 4 1954

MEMORANDUM For Commissioner Libby

Subject: RADIATION LEVELS ON BIKINI ATOLL

The information requested by you at the October 25, 1954 Commission Meeting concerning radiation levels on Eniwetok Island is as follows:

- a. 600 mr/hr at edge of crater
- b. 20 mr/hr at west end of former campsite diminishing to 1 mr/hr at eastern end of island.

Known radiation levels on other Bikini Islands are as follows:

- Eniwetok - average 5 mr/hr with maximum of 25 mr/hr
- Nakun - average 30 mr/hr with maximum of 200 mr/hr
- Bonurikku - average 8 mr/hr with maximum of 30 mr/hr

The above readings were taken during October 1954.

No readings taken on Bikini Island but the estimated average is 25 mr/hr.

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CLASSIFICATION CANCELLED

TOPIC 1832, CBW-4

BY AUTHORITY OF DOE 5650.2, III-12

BY Jose Diaz DATE 5/13/81

BY William Steamer DATE 5-18-81

Department of Energy
Historian's Office
ARCHIVES

X. F. Fields
Brigadier General, USA
Director of Military Application

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COPY FOR DR. LINDING, BNL