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April 20, 1954

Mr. Kermit Larson
Atomic Energy Project
University of California
P. O. Box 4134
West Los Angeles 24, California

BEST COPY AVAILABLE

Dear Kermit:

I understand that some of the soil samples we collected in the Pacific were sent to you. Can you tell me at this time the activity you found in units of disintegrations per minute per gram.

We have some data on soil activity from the Pacific, measured at NYO, and also dose rate readings at the same locations. When compared to your Nevada data of soil activity and dose rate readings (at the same locations) there is a great discrepancy. I realize that it is difficult to make a firm conversion factor from disintegrations per minute per gram (beta counts) to mr/hr (gamma activity), yet the Pacific and Nevada data differ by several orders of magnitude.

Any information that you can give on this point will be appreciated.

Cordially yours,

Gordon M. Dunning, Health Physicist
Biophysics Branch
Division of Biology and Medicine

GMD:EMack.

OFFICE ▶	BMBP		MEDICINE, HEALTH & SAFETY			
SURNAME ▶	Dunning GMD		[redacted]			
DATE ▶	4-20-54					

Form AEC-318 U. S. GOVERNMENT PRINTING OFFICE 16—62761-2

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