

Office Memorandum • UNITED STATES GOVERNMENT

TO : Joseph C. Clarke, Acting Manager
New York Operations Office

FROM : Charles L. Dunham, M. D., Director
Division of Biology and Medicine

SUBJECT: ANALYSIS OF EPG SAMPLES

SYMBOL: BMBP:GMD

DATE: May 9, 1957

I have asked Mr. James Reeves to forward to the Health and Safety Laboratory the following samples from the EPG: (a) about six samples each of the flesh and livers of edible fish, and (b) about a dozen urine specimens. Would you please have the Health and Safety Laboratory analyze these samples for Sr⁹⁰ and in addition analyze the urine specimens for Plutonium and Cs¹³⁷.

Attached are copies of relevant correspondence for the information of the Health and Safety Laboratory.

Attachment:

Cy of memo dtd April 30, 1957
Cy of memo dtd April 25, 1957
Cy of memo dtd April 5, 1957
Cy of memo dtd March 18, 1957
Cy of memo dtd February 27, 1957

cc: Mr. James Reeves, ALOO

FILE COPY
RETURN TO MAIL & RECORDS

JOPY

#9

Dr. C. L. Dunham, Director, Division
of Biology and Medicine, AEC, Washington, D. C.

April 30, 1957

James E. Reeves, Director, Test Division
Albuquerque Operations Office, AEC, Albuquerque

URINALYSIS PROGRAM AT ENIWETOK PROVING GROUND

ET:RHG-4303

SYMBOL:

We are asking that the samples requested in your memorandum of April 25 be collected and forwarded to the Health and Safety Laboratory, NYOO. It would be appreciated if you would make the necessary arrangements with them to conduct the analysis.

Enclosure:

Cy TWX to Eniwetok Br.
dtd 4/30/57

CC: DmA, AEC, Washington, D. C.
w/cy encl.

CCF

<u>Name</u>	<u>Pu</u>	<u>Sr⁹⁰</u>
[REDACTED]	1.5 ± 0.4	0.95 ± 0.6
[REDACTED]	lost	3.0 ± 0.8
[REDACTED]	10 ± 0.8	0.8 ± 0.6
[REDACTED]	10 ± 0.8	0.7 ± 0.5
[REDACTED]	3.5 ± 0.5	0.5 ± 0.5
[REDACTED] L.	1.5 ± 0.4	1.4 ± 0.5
[REDACTED] G.	0.7 ± 0.4	1.1 ± 0.6
[REDACTED]	1.0 ± 0.5	1.7 ± 0.8
[REDACTED]	1.0 ± 0.4	1.0 ± 0.6
[REDACTED]	3.2 ± 0.5	1.5 ± 0.6
[REDACTED]	17 ± 0.9	lost
[REDACTED]	2 ± 0.4	1.2 ± 0.5

<u>Sample#</u>	<u>Common Name</u>	<u>Tissue</u>	<u>Sr⁹⁰ d/m/Kg wet wgt.</u>
1	Yellowtail	flesh	≤19
2	Yellowtail	liver	46 ± 20
3	Yellowtail	flesh	68 ± 18
4	Yellowtail	liver	125 ± 22
5	Bonita (Skip Jack)	flesh	50 ± 27
6	Bonita	liver	104 ± 23
7	Bonita	Flesh	≤28
8	Bonita	liver	≤29
9	Eninui	flesh	≤31
10	Eninui	liver	780 ± 82
11	Eninui	flesh	≤30
12	Eninui	liver	≤42