

US DOE ARCHIVES	
326 US ATOMIC ENERGY	
COMMISSION	
RG	
Collection	DBM
Box	326-78-3, Box 3
Notes	MP+A 7-6 1954 Rad. Exposures Jap. Fishing Trade, March-June 1954

26393



ES:AL

May 24, 1954

Dr. Kokuro Kobayashi, Director  
National Institute of Health  
Welfare Ministry  
Tokyo, Japan

Dear Dr. Kobayashi:

The most recent shipment of 60 urine samples from the FUKUSHIMA ISLAND fishermen have been received in our laboratory and have been assayed for radioactivity.

When this shipment was received, we found that 7 bottles had been broken in transit. Moreover, the urine from the broken bottles had washed the labels off 6 additional samples. Because of this, we are able to report on only 47 samples of the 60 urines you submitted to us.

The analyses were performed by precipitating the mixed fission products with calcium oxalate. Thus, although the reported activities include certain naturally occurring radionuclides, Potassium is excluded by the procedure used.

For purpose of comparison I am also attaching the analysis of five casual samples collected from unexposed individuals in our laboratory. You will note that some of the samples from the fishermen are of the order of normal background.

The results at this time are consistent with the results reported on Masuda and Yamamoto over a month ago, but appear incompatible with the high levels reported for Takagi and others in my letter of May 14.

It would be desirable to repeat the analysis again and we will be more than happy to receive another complete set of urines for this purpose. I am sure that you and your associates are comforted by the accumulating evidence that only minimal deposition of radionuclides occurred in the fishermen.

Respectfully yours,

Gerril Lischel, Director  
Health and Safety Laboratory

Enclosures:

Analyses

CC: Dr. H. Nakaitzumi

✓ Dr. John Bugher, Div. of B&M, Wash. AEC

DOE ARCHIVES

<u>NAME</u>	<u>DATE</u> <u>SAMPLED</u>	<u>d/m/l*</u>	<u>NAME</u>	<u>DATE</u> <u>SAMPLED</u>	<u>d/m/l*</u>	
ANDO, Saburo	4/21/54	110	MIYAKI, Yoshio	4/21	46	
HARADA, Shiro	4/19/54	100	MIYAKI, Susumi	4/19	74	
	3/28/54	57		4/14	33	
HIGASHI, Isamu	4/19/54	98		3/28	150	
	4/14/54	140	OHKI, Tatsushichi	4/19	59	
	3/28/54	120		4/14	120	
HOSHINO, Hisao	4/19/54	120		3/28	37	
	4/14/54	160	SHIHO, Akira	4/19	110	
IKEDA, Masao	4/19/54	26		4/14	130	
	IKEDA-HIRA, Masayoshi	4/19/54		140	3/28	120
4/14/54		160	SUZUKI, Hisakichi	4/14	99	
3/28-29		140		SUZUKI, Shinzo	4/21/	130
KOSAKA, Hiroshi	4/19/54	67	SUZUKI, Takashi		4/19	62
	4/14/54	120		3/28	110	
	3/28/54	160	TAKEDA, Kanoshige	4/21	22	
KUBAYAMA, Aikichi	4/19/54	43		TAJIMA, Hisakichi	4/19	59
	4/14/54	110	3/28		100	
	3/28/54	61	YAMAMOTO, Tadashi	4/21	74	
KUBAYAMA, Shiro	4/19/54	56		YAMAMOTO (label obliterated)	?	85
	4/14/54	82			YOSHIDA, Katsuo	4/19
	3/28/54	120	4/14	110		
MAGATA, Kyonosuke	4/19/54	62	3/28	49		
	3/28/54	240	MORIMOTO, Sanjiro	4/21/54	160	
MORIMOTO, Ysichi	4/19/54	85				

\*These results are given as of the day of counting either May 19 or 20.  
The standard deviation for the counting times used is approximately 30 d/m/l.

REC - LABORATORY PERSONNEL

J.A.	82 d/r/1
G.L.	8 d/l/1
E.H.	37 d/r/1
J.D.	0
J.K.	20 d/r/1

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