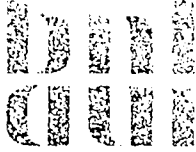


Marsh

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

Upton, New York 11973

Safety & Environmental Protection Division

(516) 345- 4207

March 2, 1979

Dr. Allyn M. Seymour
Director
Laboratory of Radioecology
University of Washington
Seattle, Washington 98105

Dear Allyn:

Enclosed is the ^{129}I results on the soil samples that were analyzed by Dr. Fred Brauer (PNWL). It would be interesting to compare the ^{137}Cs values (or even ^{125}Sb , ^{155}Eu and ^{60}Co). Could I request you to look into your past data and check out the values? It would prove as an useful tool to verify the results. It is possible that we may also have ^{99}Tc and ^{135}Cs done on the same samples.

Hoping all is well. My regards to Mrs. Seymour.

Thank you for all your help.

Yours truly,

Janakiram R. Naidu, Ph.D.
Ecologist

JRN/slg

Enclosure

*Box 6 Part 1
2.8 #4
9/1978 - 5/1979*

SUMMARY OF ¹²⁹I AND GAMMA-RAY SPECTROMETRIC ANALYSIS RESULTS

Sample Number	PNL Number	Collection Date	Gamma Radioactivity as of 7/12/78				On 7/12/78		At Collection		Location
			¹²⁹ I Atoms/g	¹²⁵ Sb Atoms/g	¹³⁷ Cs Atoms/g	¹⁵⁵ Eu Atoms/g	⁶⁰ Co Atoms/g	¹²⁹ I/ ¹³⁷ Cs	¹²⁹ I/ ¹³⁷ Cs		
7500	87161	3/54		1.8x10 ⁷	5.1x10 ¹⁰	7.1x10 ⁷	9.8x10 ⁷			Labardz, Rongelap	
7501	87162	3/54	6.8x10 ¹⁰	1.1x10 ⁷	2.5x10 ¹⁰	1.5x10 ⁷	5.5x10 ⁷	2.7	1.5	Labardz, Rongelap	
9772	87163	7/54	4.8x10 ¹⁰	1.0x10 ⁷	1.7x10 ¹⁰	5.9x10 ⁷	6.4x10 ⁷	2.8	1.6	Kabelle, Rongelap	
9773	87164	7/54		1.1x10 ⁷	4.7x10 ⁹	3.2x10 ⁷	7.0x10 ⁷			Kabelle, Rongelap	
19293	87165	1/55	1.3x10 ¹¹	6.9x10 ⁶	7.7x10 ⁹	1.7x10 ⁷	1.7x10 ⁷	17.	9.9	Kabelle, Rongelap	
19297	87166	1/55	1.5x10 ¹¹		1.5x10 ⁸			1000.	580.	Rongelap	
19500	87167	10/55	2.2x10 ¹¹		2.4x10 ⁸	6.2x10 ⁵	3.2x10 ⁶	920.	540.	Rongelap	
19505	87168	10/55	2.5x10 ¹⁰		1.2x10 ⁹	1.7x10 ⁶	4.8x10 ⁶	21.	12.	Rongelap	
19497	87169	10/55	3.0x10 ¹⁰		9.6x10 ⁸			32.	19.	Rongelap	
5539	87170	7/56	4.7x10 ¹⁰	1.4x10 ⁶	1.9x10 ⁹		1.1x10 ⁷	25.	15.	Kabelle, Rongelap	
5554	87171	7/56			1.5x10 ⁹	2.5x10 ⁶	4.6x10 ⁶			Rongelap	
5558	87172	7/56	2.0x10 ¹⁰	5.4x10 ⁹	1.6x10 ⁹	1.3x10 ⁶	2.7x10 ⁶	13.	7.8	Rongelap	
5562	87173	7/56	1.1x10 ¹⁰		4.7x10 ⁸	2.2x10 ⁶	5.8x10 ⁶	23.	14.	Rongelap	
5728	87174	7/57			1.6x10 ⁹	5.8x10 ⁶	9.8x10 ⁶			Kabelle, Rongelap	
5729	87175	7/57	7.6x10 ¹⁰	3.3x10 ⁶	7.3x10 ⁹	1.6x10 ⁷	2.1x10 ⁷	10.	6.2	Kabelle, Rongelap	
5753	87176	7/57	3.9x10 ¹⁰		1.0x10 ⁹	1.8x10 ⁶	3.6x10 ⁶	39.	24.	Rongelap	
19289	87177	1/55	4.1x10 ⁹		7.0x10 ⁷			59.	34.	Uterik	
19290	87178	1/55	9.3x10 ⁸				1.4x10 ⁶			Uterik	
37256	87179	11/74	4.2x10 ⁹		8.7x10 ⁸	3.0x10 ⁶	3.6x10 ⁶	4.8	4.4	Enewetak, Rongelap Rongerik	
37330	87180	11/74	6.6x10 ⁹		3.7x10 ⁸	6.4x10 ⁶	4.9x10 ⁶	18.	16.	Enewetak, Rongelap Rongerik	
	871	5/55	3.6x10 ⁸		4.9x10 ⁸		1.0x10 ⁷	.73	.43	Nevada Test Site	
	881	5/55	9.8x10 ⁷		5.6x10 ⁶			18.	11.	Nevada Test Site	
	1450	1/57	2.3x10 ⁸		5.0x10 ⁸	3.3x10 ⁷		.46	.28	Nevada Test Site	
	90680	1/67	2.1x10 ¹⁰							Eninman, Bikini	
	90681	5/67	8.6x10 ¹¹							Aomen Yurochi, Bikini	
9951	87217	12/54	1.8x10 ¹¹		1.2x10 ⁷	4.5x10 ⁵		15000.	8700.	Pongape	
5591	87218	7/56	2.8x10 ¹⁰		1.2x10 ⁶		2.6x10 ⁵	23000.	14000.	Kusaie	
	4645	8/57	1.1x10 ⁷							Florida	
	8360	5/66	5.1x10 ⁷							Hawaii	

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