DNA1.940923.005ba

September 3, 1946

Classification changed to [illegible]
by authority of [illegible]
[illegible] Classification Officer

Dr. Lee Bowman
P. O. Box 1663
Santa Fe, New Mexico

Dear Doctor Bowman:

At Colonel Warren's request, I am sending you via courier, various samples from ships which engaged in Operations Crossroads.

He desires to have you make fission product and plutonium assays of these materials. Will it be possible for you to do this and forward the information to him. I would also very much appreciate receiving a copy.

With best regards.

Sincerely,

Kenneth G. Scott

KGS:mmm

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42

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002175

PAINT SAMPLES RECEIVED FROM BIKINI SEPTEMBER 26TH, 1948

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Description
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James T. Davis APR 22 1971
SAN Classification Officer

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Sample Code No.

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USS-Hayes - 14th September

#1

A. Bright red from bulk head of deck hou FRM 90

B. Grey Samples from #3 barbette

C. Dull Red sample from Stack

#2 USS Hughes DD 14th September Paint Samples from stock trunk.

#3 L.S.T. 153 14th September. Paint Samples from bulk head of superstructure Port FRM 40.

#4 USS-Bracken - 14th September - APA 64

A. Paint samples main deck FRM 50 S.T.B. Side

B. Fabric from TBM. Sitting on foesle deck.

#5 USS-Salt Lake City - 13th September. Paint Samples 01 deck FRM 90

#6 L.S.T. 661 - 14th September. Paint Samples from top of superstructure 01 deck.

#7 USS-Brule - APA 66 - 14th September

A Paint Samples 01 deck. Port FRM 70

B Fabric from top on foesle.

#8 L.S.T. #52 - 14 September. Paint Samples from main deck FRM - 30.

#9 USS-Rhind - 13th September. DD 404. Paint samples from stock trunk

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~~TOP SECRET~~
By Authority of the District Engineer
PER Col K D Nichols
XXIV - 12-4A

Reclassified 10-6-50 by authority of R. A. Haynie Security Div. A.E.C. Washington, D.C.

00176

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2

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Sample Code No.		Description
#10		L.S.T. 845 - 13th September. Paint sample main deck, port FRM 2
#11		L.S.T. 220 - 13th September. Paint samples main deck FRM 10 Kid
#12		U.S.S. Pennsylvania - 13th Septemb
	A	Paint Samples #3 Barbette
	B	Fabric from rudder of F6F-5 locate on fan tail.
#13		U.S.S. Independence - 13th Septe C.U.L.-22.
	A	Paint samples from bridge
	B	Fabric from SBF, rudder side facin blast.
#14		Barrow APA-61 - 14th September.
	A	Paint Samples from bulk head of a deck house STB FR 138.
	B	Fabric from FGF midships.
#15		Paint samples from Gasconade APA Main Deck Stb. 90 Frame - 12th Se Rg. No. RSS-031.
#16		Paint Samples from USS Crittenden APA-77 - Main Deck Port Frm. 150. Rg. No. RSS-029. 12th September
#17	(Weather Deck)	Paint Sample from Carteret - APA- on Main Deck. Port Frame 150 - 1 September. Reg. No. RSS-026.
#18		Paint Sample from USS Mayrant DD Sample taken from outside Bulkhea after deckhouse. Stb. Frm. 150. Reg. No. RSS-023

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PER Col KD Nichols GBD
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002177

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Sample Code No.	Description
#19	Paint Samples from USS New York. Portside of the #4 turret. Reg. No RSS-027 - 12th September.
#20	Prins Eugene. Paint Sample from t Ready Box 01 deck Stb. Frm. 100. Reg. No. RSS-028. 12th September
#21	USS Dawson - Paint Samples Main Dec Port Frame 90. Reg. No. RSS-030 - 12th September.
#22	Sample Corol Flaking off shipjack - 10th September. Reg. No. RSS-032
#23	Paint Samples from USS Ralph Talbot DD-390 - 7th September, 1946. Take from stock trunk (part). Reg. No. RSS-024.
#24	Paint Sample from USS Falcon APA-81 Taken on stb. side Frm. 100. Reg. RSS-022.

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of the District Engineer
K D Nichols Gap
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002178

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RESULTS OF BETA AND ALPHA ANALYSIS

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Sample Code No.	Beta disintegrations/min Per gram	Beta disintegrations/min Per cm²	Alpha disintegrations/min Per gram	Alpha disintegrations/min Per cm²
1 A	157,900	6,820	187	8.1
1 B	166,200	13,830	175	14.1
1 C	172,700	8,900	164.4	8.5
2	64,900	5,240	75.2	4.7
3	596,000	8,720	546	8.0
4 A	108,200	5,000	32.4	1.0
4 B	170,800	4,640	171	3.8
5	63,200	6,620	15.2	3.0
6	226,000	88,400	115	31.5
7 A	535,000	54,400	391	23.9
7 B	156,900	9,700	184	8.9
8	1,737,000	124,000	2540	183
9	854,000	45,600	68.3	3.6
10	47,200	8,440	18.6	3.3
11	110,200	13,880	1.4	0.2
12 A	17,300	2,810	0.8	0.1
12 B	244,700	9,670	59.0	1.9
13 A	340,500	17,470	110	5.7
13 B	172,300	8,900	8.9	0.5
14 A	30,150	2,115	1.3	0.1
14 B	107,800	5,890	77.0	4.2
15	24,730	2,028	4.8	0.5
16	461,000	38,750	7.9	0.7
17	3,670	1,037	2.7	0.7
18	4,230	423	1.8	0.1
19	1,690	169	9.5	0.9

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By Authority of the District Engineer
PER Col K. D. Nichols GBP
XXIV - 12-44

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00217

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RESULTS OF BETA AND ALPHA ANALYSIS CONT.

Sample Code No.	Beta disintegrations/min Per gram	Beta disintegrations/min Per cm^2	Alpha disintegrations/min Per gram	Alpha disintegrations/min Per cm^2
20	288,000	57,100	13.2	25.9
21	696,000	39,200	823	29.4
22	384,000		701	
23	77,300	16,190	10.5	2.2
24	118,800	14,780	43.1	5.4

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[illegible]
[illegible] of the District Engineer
[illegible] K D Nichols [illegible]
12-4A

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