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September 3<sup>rd</sup>, 1946

To: Commander Harris  
Bikini CTG 1.2  
Radsafe P.A.C.

Through: Bednarkey  
Glen Court Four One Six Seven  
Oakland Army Base

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A-640

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The following is a report on samples sent to W. Langham, Los Alamos from Radsafe, Bikini:

Sample from U.S.S. Skate - Periscope mast - nineteenth July nineteen hundred forty-six. W. A. Loeb by request of Commander Harris:

Beta Disintegration - Nine Million One Hundred Thousand  
Alpha Disintegration - Eighteen Hundred and Thirty  
Beta to Alpha Ratio - Five Thousand

Mine Cable Cutter C. 2.5 mc per hour. .035 R per day:

Beta Disintegration - Ninety-Three Thousand Four Hundred  
Alpha Disintegration - Twenty-Eight  
Beta to Alpha Ratio - Three Thousand Five Hundred

Frame One Hundred and Twenty B. .5 mc per hour. .013 R per day:

Beta Disintegration - Nine Thousand One Hundred and Sixty  
Alpha Disintegration - Zero

Navigation Deck - Gun Mount Shield. 3.5 mc per hour. .045 R per day:

Beta Disintegration - One Hundred Eighty Two Thousand  
Alpha Disintegration - Fifty  
Beta to Alpha Ratio - Three Thousand Six Hundred

Base of five inch Gun aft A. .8 mc per hour. .02 R per day:

Beta Disintegration - One Hundred Fifteen Thousand  
Alpha Disintegration - Fifty  
Beta to Alpha Ratio - Twenty-Three Hundred

Sample Number Three. Paint from Port Side - Port hole  
Number one five inch mount. Wainwright:

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Beta Disintegration - Five Hundred  
Alpha Disintegration - Zero

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Vertical handwritten notes on the left margin, including "5-11-78" and "8-11-5".

Classification changed to  
by Authority of the U.S. Atomic  
Energy Commission

Vertical handwritten notes on the right margin, including "A-640" and "W. A. Loeb".

Classification changed to  
authority of the U.S. Atomic Energy Commission  
Signature of person making the change, and date  
12/1/52

Large handwritten signature and initials at the bottom right, including "W. A. Loeb".

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Number one Sample - Deck Skid Tread - Wainwright. FR twelve. Port Forecastle:

- Beta Disintegration - Three Thousand Eight Hundred and Thirty
- Alpha Disintegration - Zero

Sample of rust, paint, a wooden deck from weather decks of U.S.S. Parche:

- Beta Disintegration - One Hundred Eighty-Four Thousand
- Alpha Disintegration - Twenty-Eight
- Beta to Alpha Ratio - Sixty Six Thousand

Sea Raven - Frame One Hundred and Five. Superstructure - Access Hatch:

- Beta Disintegration - Fifty-Three Thousand
- Alpha Disintegration - Thirty-Eight
- Beta to Alpha Ratio - Fourteen Hundred

Sea Raven. Paint taken from amidships. Frame One Hundred and Five:

- Beta Disintegration - One Hundred and Thirty Thousand
- Alpha Disintegration - Twenty-Three
- Beta to Alpha Ratio - Five Thousand Six Hundred

U.S.S. Wainwright (DD four one nine) August Eighteenth. Radsafe Samples:

- Beta Disintegration - Nine Hundred and Twenty Thousand
- Alpha Disintegration - Two Hundred and Sixty-Three
- Beta to Alpha Ratio - Three Thousand Five Hundred

Sample Number Two. Paint Sample from Number one Five Inch Turret - Wainwright:

- Beta Disintegration - Thirty Thousand Six Hundred
- Alpha Disintegration - Twelve
- Beta to Alpha Ratio - Two Thousand Five Hundred

Sample Number Four. Fourth Port, aft, port side Forecastle Deck (Supply office) Wainwright:

- Beta Disintegration - Zero
- Alpha Disintegration - Zero

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