<table>
<thead>
<tr>
<th>UNCLASSIFIED</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD NUMBER</td>
</tr>
<tr>
<td>AD376824</td>
</tr>
<tr>
<td>CLASSIFICATION CHANGES</td>
</tr>
<tr>
<td>TO: unclassified</td>
</tr>
<tr>
<td>FROM: confidential</td>
</tr>
<tr>
<td>LIMITATION CHANGES</td>
</tr>
<tr>
<td>TO: Approved for public release, distribution unlimited</td>
</tr>
<tr>
<td>AUTHORITY</td>
</tr>
<tr>
<td>DSWA ltr., 9 Apr 97; DSWA ltr., 9 Apr 97</td>
</tr>
</tbody>
</table>

THIS PAGE IS UNCLASSIFIED
IN ADDITION TO SECURITY REQUIREMENTS WHICH APPLY TO THIS DOCUMENT AND MUST BE MET, EACH TRANSMITTAL OUTSIDE THE AGENCIES OF THE U.S. GOVERNMENT MUST HAVE PRIOR APPROVAL OF THE DIRECTOR, DEFENSE ATOMIC SUPPORT AGENCY, WASHINGTON, D.C. 20301.
CONFIDENTIAL
BUREAU OF SHIPS GROUP
TECHNICAL INSPECTION REPORT
U.S.S. BLADEN (APA63)

TEST ABLE

CONFIDENTIAL
OPERATION CROSSROADS
DIRECTOR OF SHIP MATERIAL
JOINT TASK FORCE ONE
CONFIDENTIAL

DISTRIBUTION LIMITED
CONTAINS WEAPON DATA

CONFIDENTIAL
Security Information
SPECIAL DATA

REG. NO. 6061
CONFIDENTIAL

GROUP 3
Downloaded at 13 year intervals
Not Automatically Declassified.

CONFIDENTIAL

TABLE OF CONTENTS

PAGE NO.

Ship Characteristics Sheet ........................................... 3
Midship Section ........................................................... 4
Overall Summary of Damage ............................................. 5
Hull Technical Inspection Report (Section I) ......................... 12
Machinery Technical Inspection Report (Section II) ............... 17
Electrical Technical Inspection Report (Section III) ............... 24
Photographic Section (Section IV) .................................... 31
Commanding Officers Report (Appendix) ............................ 40

CONFIDENTIAL

JAWTH CHIPS OF STAFF JCS 19975/35 DATED 17 APRIL 1949
By Authority of

Page 1 of 56 Pages

CONFIDENTIAL

USS BLADEN (APA-83)

Page 2 of 56 Pages
CONFIDENTIAL
U.S.S. BLADEN (APA 63)
SHIP CHARACTERISTICS

Building Yard: Consolidated Steel Corp.; Wilmington, California.
Commissioned: 18 October 1944.

HULL
Length Overall: 426 feet 0 inches.
Length on Waterline: 400 feet 0 inches.
Beam (extreme): 58 feet 0 inches.
Depth (molded to upper deck): 37 feet 0 inches.
Drafts at time of test: Fwd. 9 feet 6 inches.
Aft. 10 feet 6 inches.
Limiting displacement: 7,580 tons.
Displacement at time of test: 5,000 tons.

MAIN PROPULSION PLANT
Main Engines: Two sets of Westinghouse steam turbines, directly connected to Westinghouse main generators. Two main shaft motors.
Main Condensers: Two are installed in ship.
Boilers: Two Babcock and Wilcox boilers are installed in ship. 450 psi gauge - 750° F.
Propellers: Two are installed in ship.
Main Shafts: Two are installed in ship.
Ship service Generators: Five Turbo Gen's are installed; Two - 250 KW. - 450 V. A.C., One - 150 KW. - 450 V. - A.C., and Two 100 KW. - 240 V. D.C. units.
TECHNICAL INSPECTION REPORT
OVERALL SUMMARY

I. Target Condition After Test,
   (a) Drafts after test, list, general areas of flooding, sources.
       There was no flooding, hence no change in drafts or list.
   (b) Structural damage.

HULL
Damage is negligible. It consists of the blowing out of five screens on stack ventilators, the blowing off of two covers on small lockers, and the lifting of about one-third of the hatch boards of both upper deck cargo hatches.

MACHINERY
No comment.

ELECTRICAL
None.

(c) Other damage.

HULL
No comment.

MACHINERY
The machinery was not damaged by Test A.

SECRET
USS BLAEDEN (APA-63)

Page 5 of 56 Pages
ELECTRICAL

The main electric plant, ship propulsion and electrical elements of ship control, fire control and gunnery were undamaged and operated satisfactorily.

II. Forces Evidenced and Effects Noted.

(a) Heat.

HULL

Heat radiation came from the port quarter. This radiation slightly damaged surfaces normal to the radiation source. Manila lines are slightly scorched.

MACHINERY

Not evidenced.

ELECTRICAL

This vessel was subjected to radiant heat approaching from the port quarter, but not of sufficient intensity to cause damage to any electrical equipment. The heat wave was evidenced by some blistering of paint in exposed areas and starting of small fires in brooms, swabs and Army Quartermaster gear.

(b) Fires and explosions.

HULL

One large rope fender of cocoa matting exterior that hung over the port side burned. Signal halyards and several swabs located on top of the Loran shack burned. Bundles of U.S. Army shoes, matting, and clothes stowed on the after deck house also caught on fire. The fires did not damage the vessel. There were no explosions.

USNS BLADEN (APA63)

Page 6 of 56 Pages

MACHINERY

Not evidenced.

ELECTRICAL

1. Small fires were started in brooms and swabs on the portside of O1 level and Army Quartermaster gear displayed for test on after deckhouse.

2. There were no explosions.

3. There was no damage to any electrical equipment as a result of fires.

(c) Shock.

HULL

No evidence of shock was observed.

MACHINERY

Not evidenced.

ELECTRICAL

The only evidence of shock noted was a broken filament in a 50 watt rough service lamp, located in pilothouse. There was no other damage to electrical equipment as a result of shock.

(d) Pressure.

HULL

There is no evidence of pressure damage other than the slight damage to vent screens and broken glass windows in two sprinkler control boxes.

USNS BLADEN (APA63)

Page 7 of 56 Pages
MACHINERY

Not evidenced.

ELECTRICAL

The only evidence of pressure was the blowing inward of the expanded metal screens in stack louvers. There was no damage to any electrical equipment.

(e) Effects peculiar to the atom bomb.

HULL

No effects other than heat radiation and radioactivity were noted.

MACHINERY

None.

ELECTRICAL

Other than radioactivity, radiant heat and blast pressure were the effects noted apparently peculiar to the atom bomb.

III. Results of Test on Target.

(a) Effect on machinery, electrical, and ship control.

HULL

None.

MACHINERY

Test A had no effect on machinery or ship control.

SECRET

USS BLADEN (APA-63)

Page 2 of 56 Pages
MACHINERY

None.

ELECTRICAL

1. Other than the effects of radioactivity, personnel at exposed topside stations would probably have suffered minor to moderate flash burns from radiant heat and possibly injuries from blast pressure waves to the extent of a few bruises.

2. Habitability has in no way been affected.

(a) Effect on fighting efficiency.

HULL

Except for radiological factors and possibly some injury to exposed topside personnel, the fighting efficiency is unimpaired.

MACHINERY

None.

ELECTRICAL

The fighting efficiency of this vessel has in no way been affected as a result of any material damage.

IV. Summary of Observers' Impressions and Conclusions.

HULL

Damage is superficial, while injury might have been suffered by some personnel exposed topside, the vessel would have been able to fulfill its mission.

MACHINERY

The BLADEN was beyond the effective range of the explosion of Test A.

SECRET
TECHNICAL INSPECTION REPORT

SECTION I - HULL

GENERAL SUMMARY OF HULL DAMAGE

I. Target Condition After Test.
   (a) Drafts after test, list, general areas of flooding, sources.

   There was no flooding, hence no change in drafts or list.

   (b) Structural damage.

   Damage is negligible. It consists of the blowing out of five screens on stack ventilators, the blowing off of two covers on small lockers, and the lifting of about one-third of the hatch boards of both upper deck cargo hatches.

   (c) Other damage.

   No comment.

II. Forces Evidenced and Effects Noted.

   (a) Heat.

   Heat radiation came from the port quarter. radiation slightly damaged surfaces normal to the radiation source were slightly scratched.

   (b) Fires and explosions.

   One large rope fender of cocoa matting exterior that hung over the port side burned. Signal halyards and several swabs located on top of the Loran shack burned. Bundles of U.S. Army shoes,

SECRET

USS BLADEN (APA63)

Page 12 of 56 Pages
mattirg, and clothes stowed on the after deck house also caught on fire. The fires did no damage to the vessel. There were no explosions.

(c) Shock.

No evidence of shock was observed.

(d) Pressure.

There is no evidence of pressure damage other than the slight damage to vent screens and broken glass windows in two sprinkler control boxes.

(e) Effects apparently peculiar to the atom bomb.

No effects other than heat radiation and radioactivity were noted.

III. Effects of Damage.

(a) Effect on machinery, electrical, and ship control.

None.

(b) Effect on gunnery and fire control.

None.

(c) Effect on watertight integrity and stability.

None.

(d) Effect on personnel and habitability.

Except for radiological factors, probably only a few personnel exposed on topside would have been injured. Habitability, except for radiological factors is unimpaired.

SECRET

USS BLADEN (APA63)

Page 13 of 58 Pages

(e) Effect on fighting efficiency.

Except for radiological factors and possibly some injury to exposed topside personnel, the fighting efficiency is unimpaired.

IV. Summary of Observers’ Impressions and Conclusions.

Damage is superficial, while injury might have been suffered by some personnel exposed topside, the vessel would have been able to fulfill its mission.

V. Preliminary Recommendations.

No comment.

VI. Instructions for Loading the Vessel Specified the following:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>LOADING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel oil</td>
<td>50%</td>
</tr>
<tr>
<td>Diesel oil</td>
<td>50%</td>
</tr>
<tr>
<td>Ammunition</td>
<td>50%</td>
</tr>
<tr>
<td>Potable and reserve feed water</td>
<td>Full load</td>
</tr>
<tr>
<td>Salt water ballast</td>
<td>620 tons</td>
</tr>
</tbody>
</table>

Details of the actual quantities of the various items aboard are included in Report 7, Stability Inspection Report, submitted by the ship's force in accordance with "Instructions to Target Vessels for Tests and Observations by Ship's Force" issued by the Director of Ships Material. This report is available for inspection in the Bureau of Ships Crossroads Files.

SECRET

USS BLADEN (APA63)

Page 14 of 58 Pages
DETAILED DESCRIPTION OF HULL DAMAGE

A. General Description of Hull Damage.

The vessel suffered negligible damage. Paint was scorched and three minor fires were ignited. Cargo hatch boards were disarranged.

General views of the exterior are shown on pages 32 to 39 inclusive.

B. Superstructure.

Five screens on stack ventilators were blown in. Covers were blown off of two small lockers on the port wing of the bridge.

C. Turrets, Guns, and Directors.

No damage.

D. Torpedo Mounts, Depth Charge Gear.

Not applicable.

E. Weather Deck.

About one-third of the upper deck hatch covers of bothholds are lifted up from their regular stowage position but sustained no deformation. No movement was recorded by any of the six scratch gages installed under the upper deck.

F. Exterior Hull.

No damage.

G. Interior Compartments (above w.l.).

No damage.

H. Armor Decks and Miscellaneous Armor.

Not applicable.

I. Interior Compartments (below w.l.).

No damage.

J. Underwater Hull.

No damage.

K. Tanks.

No damage.

L. Flooding.

None.

M. Ventilation.

No damage.

N. Ship Control.

No damage.

O. Fire Control.

No damage.

P. Ammunition Behavior.

No damage.

Q. Ammunition Handling.

No damage.

R. Strength.

No damage.

S. Miscellaneous.

No comment.

SECRET

Page 15 of 58 Pages

USS BLADEN (APA63)

SECRET

Page 16 of 58 Pages

USS BLADEN (APA63)
TECHNICAL INSPECTION REPORT

SECTION II - MACHINERY

GENERAL SUMMARY OF MACHINERY DAMAGE

I. Target Condition After Test.

(a) Drafts after test; list; general areas of flooding, sources.

No data taken by Machinery group.

(b) Structural damage.

No comment.

(c) Other damage.

The machinery was not damaged by Test Ablé.

II. Forces Evidenced and Effects Noted.

(a) Heat.

Not evidenced.

(b) Fires and explosions.

Not evidenced.

(c) Shock.

Not evidenced.

(d) Pressure.

Not evidenced.

SECRET

USS BLADEN (APA63)

Page 17 of 56 Pages
(e) Effects apparently peculiar to the atom bomb.

   None.

III. Effects of Damage.

   (a) Effect on machinery and ship control.

   Test Able had no effect on machinery or ship control.

   (b) Effect on gunnery and fire control.

   No comment.

   (c) Effect on watertight integrity and stability.

   No comment.

   (d) Effect on personnel and habitability.

   None.

   (e) Total effect on fighting efficiency.

   None.

IV. General Summary.

   The BLADEN was beyond the effective range of the explosion of Test Able.

V. Preliminary Recommendations.

   None.

DETAILED DESCRIPTION OF MACHINERY DAMAGE

A. General Description of Machinery Damage.

   (a) Overall condition.

   The overall condition of the machinery of this vessel was not affected by Test Able.

   (b) Areas of major damage.

   Not Applicable.

   (c) Primary cause of damage in each area of major damage.

   Not Applicable.

   (d) Effect of target test on overall operation of machinery plant.

   The target test had no effect on the operability of the machinery plant.

B. Boilers.

   1. Undamaged.

   2. Both boilers have been lighted off and steamed at 450 pounds pressure. No defects were found.

   3. No. 1 boiler was left under steam at 540 lbs. pressure and No. 2 boiler was left under hydrostatic pressure of 450 lbs., when the crew left the ship at 1100 on 30 June. No. 2 boiler had 40 lbs. pressure and No. 1 boiler was down to zero when the ship was reboarded at 1400 on 2 July. Hydrostatic tests indicate no change in the tightness of the boilers.
HYDROSTATIC TESTS ON BOILER #2

Time required for pressure to drop
100 lbs.
Before Test A 15 hours
After Test A 12 hours
Pressure remaining after 12 hours 300 lb/sq. in. 360 lb/sq. in.

C. Blowers.

All four blowers were operated under service conditions after Test A.

D. Fuel Oil Equipment.

All fuel oil equipment was operated under service conditions after Test A.

E. Boiler Feedwater Equipment.

Undamaged. All boiler feedwater equipment was operated under service conditions after Test A.

F. Main Propulsion Machinery.

Undamaged. Both turbines were tested at 1000 RPM for 1-1/2 hours after Test A. No defects were found.

G. Reduction Gears.

Not Applicable.

H. Shafting and Bearings.

Undamaged. The shafting was jacked over in both directions and the bearings, stern tubes, and packing glands were inspected. No defects were found.

I. Lubrication System.

Undamaged. The lubrication system was operated under service conditions after Test A.

J. Condensers and Air Ejectors.

Undamaged. Both main condensers were tested in operation and no defects were found. They maintained a vacuum of 28-1/2 inches during the test. The auxiliary condensers were tested in operation and no defects were found.

K. Pumps.

Undamaged. All pumps have been operated under service conditions since Test A.

L. Auxiliary Generators (Turbines and Gears).

Undamaged. The ship's service generators have all been operated at normal load since Test A, and functioned normally.

M. Propellers.

Undamaged. The propellers were inspected and turned over. There is no apparent damage.

N. Distilling Plant.

Undamaged. The distilling plant was placed in operation immediately after Test A, and functioned normally.

O. Refrigeration Plant.

Undamaged. The refrigeration plant was placed in operation immediately after Test A, and functioned normally.
P. Winches, Windlasses, and Capstans.

Undamaged. All of the deck machinery has been operated under service conditions since Test A.

Q. Steering Engine.

Undamaged. The steering engine was tested from all three stations from hardover to hardover and functioned normally.

R. Elevators, Ammunition Holsters, Etc.

Undamaged. The gasoline hoist and the 4 ammunition hoists were all operated after Test A. Operation was normal.

S. Ventilation (Machinery).

Undamaged. The ventilation machinery has been in normal operation since Test A.

T. Compressed Air Plant.

Undamaged. The air compressor was placed in operation immediately after Test A, and functioned normally.

U. Diesels (Generators and Boats).

1. Undamaged. The diesel fire pumps were both operated at 100 lbs. pressure and functioned normally.

2. The emergency diesel generator was in use 7 hours at 3/4 load after Test A, and no defects were found.

V. Piping Systems.

Undamaged. All of the piping systems were tested at normal operating pressures and no defects were found.

W. Miscellaneous.

Undamaged. The laundry, galley, and machine shop equipment was placed in operation immediately after Test A, and functioned normally.
TECHNICAL INSPECTION REPORT

SECTION III - ELECTRICAL

GENERAL SUMMARY OF ELECTRICAL DAMAGE

I. Target Condition After Test.
   (a) Drafts, list, general areas of flooding, sources.
      1. Draft after test: Not observed.
      2. List: Not observed.
      3. Flooding: None.
   (b) Structural damage.
      1. None.
   (c) Damage - Electrical, ship control, fire control and gunnery.
      1. The main electric plant, ship propulsion and electrical elements of ship control, fire control and gunnery were undamaged and operated satisfactorily.

II. Forces Evidenced and Effects Noted.
   (a) Heat.
      1. This vessel was subjected to radiant heat approaching from the port quarter, but not of sufficient intensity to cause damage to any electrical equipment. The heat wave was evidenced by some blistering of paint in exposed areas and starting of small fires in brooms, swabs and Army Quartermaster gear.

SECRET

USS BLADEN (APA63)

Page 24 of 56 Pages
(b) Fires and Explosions.

1. Small fires were started in brooms and swabs on the portside of Q1 level and Army Quartermaster gear displayed for test on after deckhouse.

2. There were no explosions.

3. There was no damage to any electrical equipment as a result of fires.

(c) Shock.

1. The only evidence of shock noted was a broken filament in a 50 watt rough service lamp, located in pilot house. There was no other damage to electrical equipment as a result of shock.

(d) Pressure.

1. The only evidence of pressure was the blowing inward of the expanded metal screens in stack louver. There was no damage to any electrical equipment.

(e) Any effects apparently peculiar to the atom bomb.

1. Other than radioactivity, radiant heat and blast pressure were the effects noted apparently peculiar to the Atom Bomb.

III. Effects of Electrical Damage.

(a) Effect on Electrical Machinery and Ship Control.

1. None.

(b) Effect on Gunner and Fire Control.

1. None.

(c) Effect on Watertight Integrity and Stability.

1. None.

(d) Effect on Personnel and Habitability.

1. Other than the effects of radioactivity, personnel at exposed topside stations would probably have suffered minor to moderate flash burns from radiant heat and possibly injuries from blast pressure waves to the extent of a few bruises.

2. Habitability has in no way been affected.

(e) Total Effect on Fighting Efficiency.

1. The fighting efficiency of this vessel has in no way been affected as a result of any material damage.

IV. General Summary of Observers' Impressions and Conclusions.

1. The location of this vessel in the target array was outside the effective range of the bomb to cause any material damage.

V. Recommendations.

1. None.
DETAILED DESCRIPTION OF ELECTRICAL DAMAGE

A. General Description of Electrical Damage.
   (a) Overall condition.

1. The overall condition of the electrical equipment remained unchanged.

(b) Areas of major damage.

1. None.

(c) Primary causes of damage in each area of major damage.

1. No damage.

(d) Effects of target test on overall operation of electrical plant.

1. Ships Service generator plant: No effect, operated satisfactorily.

2. Engine and Boiler Auxiliaries: No effect, operated satisfactorily.

3. Electrical Propulsion: No effect, operated satisfactorily.

4. Communications: No effect, operated satisfactorily.

5. Fire Control Circuits: No effect, operated satisfactorily.

6. Ventilation: No effect, operated satisfactorily.

7. Lighting: No effect, operated satisfactorily.

(e) Types of equipment most affected.

1. None.

B. Electric Propulsion Rotating Equipment.

   No damage.

C. Electric Propulsion Control Equipment.

   No damage.

D. Ship's Service Generators.

   No damage.

E. Emergency Generators.

   No damage.

F. Switchboards and Distribution Panels.

   No damage.

G. Wiring, Wiring Equipment and Wireways.

   No damage.

H. Transformers.

   No damage.

I. Submarine Propelling Batteries.

   Not applicable.

J. Portable Batteries.

   No damage.
K. Motors, Motor Generator Sets and Motor Controllers.
   No damage.

L. Lighting Equipment.
   The filament of a 50 watt Rough Service lamp located in pilot house was broken as a result of shock. The fixture was not shock mounted.

M. Searchlights.
   No damage.

N. Degaussing Equipment.
   No damage.

O. Gyro Compass Equipment.
   No damage.

P. Sound Powered Telephones.
   No damage.

Q. Ship's Service Telephones.
   Not applicable.

R. Announcing Systems.
   No damage.

S. Telegraphs.
   No damage.

T. Indicating Systems.
   No damage.

   No damage.

V. F.C. Switchboards.
   No damage.
SECTION IV

PHOTOGRAPHS

TEST ABLE

SECRET

USS BLADEN (APA-65)

Page 31 of 56 Pages

BA-CR-196-161-2, View from off port bow before Test A.

SECRET

USS BLADEN (APA-65)

Page 32 of 56 Pages
AA-CR-227-49-30. View from off starboard quarter after Test A.

SECRET
Page 37 of 56 Pages
USS BLADEN (APA63)

BA-CR-196-161-4. View from off starboard bow before Test A.

SECRET
Page 38 of 56 Pages
USS BLADEN (APA63)
AA-CR-227-49-32. View from off starboard bow after Test A.
REPORT #11

COMMANDING OFFICERS REPORT

Position of the BLADEN's bridge is estimated at 2600 yards bearing 167° T from the center of the target array at the time of the blast.

In compliance with instructions from the Director of Ship Material, this report is submitted in the same sequence as the "Technical Inspection Report."

Effect of the blast on the BLADEN was negligible.
PART A - GENERAL SUMMARY

I. Target Condition After Test.
   (a) Drafts after test - 9'10" fwd; 16'6" aft.
       List - 1 degree port.
       General areas of flooding - none.
   (b) Structural damage.
       Superstructure - 5 screens on stack ventilators blown out;
       covers blown off 2 small lockers on port wing of bridge.
       Hull - hatch bottoms loosened and hatch boards removed
       from both hatch covers.
       Interior of hall - none.
   (c) Intact.
   (d) Fires - 3 small.

II. Forces Evidenced and Effects Noted.
   (a) Heat - Some blistering of paint on exterior surfaces on port
       side.
   (b) Fires - (1) A small quantity of Army exposed material burn-
       ed on top of after deck house.
       (2) Swabs and brooms burned in a swab rack on port
       side of upper deck.
       (3) A fender burned off a boat secured to No. 4 davit.
   (c) No comment.
   (d) No comment.
   (e) Considerable water sprayed over deck and superstructure.
       (may have been done by fire-fighting tug).

III. Results of Test:

   (a) None.
   (b) None.
   (c) None.
   (d) None.
   (e) None.

IV. General Summary - Effect of bomb negligible.

V. None.
PART C - INSPECTION REPORT

SECTION A - HULL

A. General Description of Hull Damage - Intact.
   (a) Overall Condition of Vessel - excellent.
   (b) General Areas of hull damage - none.
   (c) Apparent causes of hull damage - none.
   (d) Principal Areas of flooding with sources - none.
   (e) Residual strength, buoyancy and effect of general condition of hull on operability - no effect on operability.

B. Superstructure.
   (a) Description of damage, giving important dimensions:
       1. Bridge area - covers on two small lockers blown off.
       2. Midship deckhouse and stacks - 3 screws for stack ventilators blown loose.
       3. After deckhouse and tower - none.
   (b) Causes of damage in each area - blast.
   (c) Evidences of fire in superstructure - none, except as listed in Part A II.
   (d) Estimate of relative effectiveness against heat and blast - No comment.
   (e) No comment.

C. Turrets, Guns and Directors.
   (a) Not installed.
   (b) Condition good.
   (c) Not installed.
   (d) No comment.

D. Torpedo Tubes and Appurtenances.
   Not installed.

E. Weather Decks.
   Not installed.

F. Exterior Hull Above Waterline.
   Intact.

G. Compartments.
   Intact.

H. Armor Decks.
   Not applicable.

I. Interior Compartments (below waterline).
   Intact.

J. Underwater Hull.
   Intact.

K. Tanks.
   Intact.

L. Flooding.
   No flooding.

M. Ventilation.
   Intact.
M. Ship Control and Fire Control Stations.

Intact.

O. Not applicable.

P. Ammunition Behavior.

(a) Ready service ammunition, location, protection, behavior under heat and blast.

1. Main battery - After magazine; no apparent change in condition.
2. Secondary battery - not applicable.
3. 40MM, 20MM and other - Fwd. magazine and clipping room; no apparent change in condition.

(b) Magazines, location, protection, forces involved, behavior - No damage or high temperatures in any magazines.

1. Main battery powder and projectiles.
2. Secondary battery - not applicable.
3. 40MM, 20MM and other.
4. Bomb, Mine, Depth Charge and Torpedo Stowage - Not applicable.

(c) None.

(d) Behavior of gasoline stowage facilities - no damage.

Q. Ammunition Handling.

Intact.

R. Strength.

Intact.
PART C - INSPECTION REPORT

SECTION B - MACHINERY

A. General Description of Machinery Damage.
   Intact.

B. Boilers.
   Intact.

C. Blowers.
   Intact.

D. Fuel Oil Equipment.
   Intact.

E. Boiler Feedwater Equipment.
   Intact.

F. Main Turbines.
   Intact.

G. Reduction Gears.
   Not applicable.

H. Shafting and Bearings.
   Intact.

I. Lubrication System.
   Intact.

J. Condensers and Air Ejectors.
   Intact.

K. Pumps.
   Intact.

L. Auxiliary Generators.
   Intact.

M. Propellers.
   Intact.

N. Distilling Plant.
   Intact.

O. Refrigerating Plant.
   Intact.

P. Winches, Windlasses and Cæstanes.
   Intact.

Q. Steering Engine.
   Intact.

R. Elevators, Ammunition Holsts.
   Intact.

S. Ventilation (Machinery).
   Intact.
T. Air Compressors.
   Intact.

U. Diesel (Generators and Boats).
   Intact.

V. Piping.
   Intact.

W. Miscellaneous.
   No comment.

PART C - INSPECTION REPORT
SECTION C - ELECTRICAL

A. General Description of Electrical Damage.
   Intact.

B. Electrical Propulsion Rotating Equipment.
   Intact.

C. Electric Propulsion Control Equipment.
   Intact.

D. Ship's Service Generators.
   Intact.

E. Emergency Generators.
   Intact.

F. Switchboards, Distribution and Transfer Panels.
   Intact.

G. Wiring, Wiring Equipment and Wireways.
   Intact.

H. Transformers (Lighting and I.C.).
   Intact.

I. Submarine Propelling Batteries.
   Not applicable.
J. Portable Batteries.
   Intact.
K. Motors, motor Generator Sets and Motor Controllers.
   Intact.
L. Lighting Equipment.
   Intact.
M. Searchlights.
   Intact.
N. Degaussing Equipment.
   Intact.
O. Gyro Compass Equipment.
   Intact.
P. Sound Powered Telephones.
   Intact.
Q. Ship's Service Telephones.
   Not applicable.
R. Announcing Systems.
   Intact.

S. Telegraphs.
   Intact.
T. Indicating Systems.
   Intact.
   Intact.
V. F.C. Switchboards.
   Intact.
A. General Description of Electronics Damage.
   Intact.
B. Fire Control Radar.
   Intact.
C. Surface Search Radar.
   Intact.
D. Air Search Radar.
   Intact.
E. Radar Repeaters.
   Intact.
F. Radar Counter Measures Equipment.
   Intact.
G. Radar and Radio Beacons.
   Intact.
H. IFF Equipment.
   Intact.
I. Communication Transmitters.
   Intact.
CAUTION
This Document Contains
ATOMIC WEAPONS INFORMATION

NOTICE
This document contains atomic weapons information. Distribution is limited to recipients authorized by the Defense Atomic Support Agency (DOD) and/or the Division of Military Application (AEC)

DATE FILMED
4/26/65

END
MEMORANDUM FOR DEFENSE TECHNICAL INFORMATION CENTER
ATTENTION: OMI/Mr. William Bush

SUBJECT: Declassification of Reports

The Defense Special Weapons Agency (formerly Defense Nuclear Agency) Security Office has reviewed and declassified the following reports:

AD-366748 - XRD-65
AD-366747 - XRD-64
AD-366746 - XRD-63
AD-376826 - XRD-60
AD-376824 - XRD-58
AD-376825 - XRD-59
AD-376823 - XRD-57
AD-376822 - XRD-56
AD-376821 - XRD-55
AD-366743 - XRD-54
AD-376820 - XRD-53
AD-366742 - XRD-52
AD-366741 - XRD-51
AD-366740 - XRD-50-Volume-2
AD-366739 - XRD-49-Volume-1
AD-366738 - XRD-48
AD-366737 - XRD-47
SUBJECT: Declassification of Reports

AD-366736 - XRD-46
AD-366735 - XRD-45
AD-366723 - XRD-37
AD-366721 - XRD-35
AD-366717 - XRD-31-Volume-2
AD-366716 - XRD-30-Volume-1
AD-366751 - XRD-68-Volume-2
AD-366750 - XRD-67-Volume-1
AD-366752 - XRD-69
AD-366744 - XRD-61.

All of the cited reports are now approved for public release. Distribution statement "A" now applies.

ARDITH JARRETT
Chief, Technical Resource Center

Completed
1 Mar 2000
B.W.