

USS NICHOLAS (FFG-47)

SEMAT SHELL CONDITION ASSESSMENT SURVEY INTERIOR AREAS

11/12/01 TO 11/21/01



**PREPARED BY
SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR
PORTSMOUTH, VIRGINIA**

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USS NICHOLAS (FFG-47)

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Summary of Conditions Found Shell Condition Assessment Survey Interior Areas

A survey of all accessible interior spaces adjacent to the underwater hull, including the interior structure in those spaces, was conducted using Hull Structure MRC 1102 and a DELMHORST model BD-2100 moisture meter. The survey was at the request of the Ship's Force. The survey was conducted from 11/12/01 through 11/21/01 at Norfolk Naval Station.

The attached list reflects areas found to be historically prone to corrosion on FFG 7 class vessels and the conditions found on USS NICHOLAS during this survey. Repair recommendations are predicated on the next docking cycle being in 10 years. Based on a review of the levels of corrosion cited on sister hulls, the USS NICHOLAS is in better than average condition. The AUXILIARY MACHINERY ROOM No. 3 (5-292-0-E) was the area found to be in the poorest condition. Approximately 36 square feet of shell was found thinned or severely pitted. In the AUXILIARY PROPULSION ROOM (4-100-0-E), the bilge area under the APU Power Panel is not accessible without lifting the panel. This area should be scrutinized after the panel is removed to determine if repairs are needed. The other machinery spaces had significant areas of surface corrosion, but minimal structural deterioration. The Main Engine Room was very well maintained. In most of the machinery spaces, lagging at or below the bilge level and surrounding the various overboard connections was usually saturated and the shell and structure behind it was found corroded. A review of the specifications for shell insulation coverage requirements may reduce the amount of corrosion in these areas.

Many of the miscellaneous spaces showed no signs of corrosion at all. All insulated spaces surveyed were randomly checked with the moisture meter.

The Survey Results and Specific Areas of Corrosion sections provide additional details.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
SATISFACTORY AREAS

LOCATION	NAME	AREA	RESULTS
3-36-2-T	TRUNK	TRUNK	SATISFACTORY
3-40-2-A	CPO STOREROOM	COMPARTMENT	SATISFACTORY
3-46-1-A	SPECIAL CLOTHING STOREROOM	COMPARTMENT	SATISFACTORY
3-48-2-A	MEDICAL STOREROOM No. 1	COMPARTMENT	SATISFACTORY
3-56-0-A	DECK GEAR STOREROOM	COMPARTMENT	SATISFACTORY
3-92-1-Q	FORWARD 400 HZ	COMPARTMENT	SATISFACTORY
3-100-0-L	CREW BERTHING	COMPARTMENT	SATISFACTORY
3-140-2-L	RCN LOUNGE	COMPARTMENT	SATISFACTORY
3-180-2-C	SWITCHGEAR ROOM	COMPARTMENT	SATISFACTORY
3-180-5-A	DRY PROVISION STOREROOM	COMPARTMENT	SATISFACTORY
4-48-2-L	PASSAGEWAY	COMPARTMENT	SATISFACTORY
4-56-0-M	SMALL ARMS MAGAZINE	COMPARTMENT	SATISFACTORY
4-56-2-A	FORWARD LIGHT LOCKER	COMPARTMENT	SATISFACTORY
	AFT STG AFT STBD STOREROOM	COMPARTMENT	SATISFACTORY
	AFT STG STOREROOM FWD OF 5-390-1-A	COMPARTMENT	SATISFACTORY

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
3-32-1-K	FLAMMABLE LIQUID STOREROOM	COMPARTMENT	DECK COATING DETERIORATING IN AFTER STARBOARD CORNER	CLEAN AND PRESERVE DECK.
3-84-0-E	AIR CONDITIONING MACHINERY ROOM	PORTSIDE SHELL, FR 84-100, DECK TO 2ND LONGITUDINAL ABV DECK	BULKHEAD LAGGING FAILS MOISTURE CONTENT AND BULKHEAD, LONGITUDINALS AND DECK REQUIRE PRESERVATION.	REPLACE LAGGING, CLEAN AND PRESERVE SHELL, FWD/AFT BULKHEAD, SHELL LONGITUDINALS AND FRAMES AND 6 INCHES OF DECK SURFACE ALONG THE SHELL PLATING AT LOCATION NOTED.
3-84-0-E	AIR CONDITIONING MACHINERY ROOM	EDUCTOR BILGE POCKET CENTERLINE FWD FR 100	BILGE POCKET PRESERVATION UNSATISFACTORY.	CLEAN AND PRESERVE CENTERLINE BILGE POCKET.
3-84-0-E	AIR CONDITIONING MACHINERY ROOM	BULKHEAD FR 100, DECK TO 18 INCHES ABOVE THE DECK, INBOARD BULKHEAD OF 3-92-1-Q TO PORTSIDE SHELL	LAGGING FAILS MOISTURE CONTENT.	REPLACE LOWER 18 INCHES OF BULKHEAD LAGGING, CLEAN AND PRESERVE BULKHEAD AND STRUCTURAL MEMBERS AT LOCATION NOTED.
3-100-1-L	CPO OVERFLOW BERTHING	JOINER BULKHEAD BTWN 3-100-1-L AND 3-113-0-L/3-100-0-L, STBD SHELL TO INBD ACCESS TO 3-113-0-L	DETERIORATED/ HOLED JOINER BULKHEAD AT MARRIAGE LINE 6 INCHES ABOVE DECK	REPLACE LOWER 12 INCHES OF JOINER BULKHEAD AND COAMING AT LOCATION NOTED. REMOVE AND REPLACE DECKING IN 3-113-0-L TO SUPPORT REPLACEMENT OF JOINER BULKHEAD AND COAMING.
3-113-0-L	CREW'S WASHROOM AND SHOWER	STARBOARD SHELL, FR 113-125, DECK TO 12 INCHES ABV DECK	LAGGING FAILS MOISTURE CONTENT.	REMOVE/REINSTALL SHEATHING UP 12 INCHES FROM THE DECK, REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL, SHELL FRAMES AND LONGITUDINALS AT LOCATION NOTED.
3-113-0-L	CREW'S WASHROOM AND SHOWER	SHOWERS	DECKING LOOSE.	SEE NOTE ABOUT DECKING REMOVAL IN 3-100-1-L

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
3-140-1-A	CLEANING GEAR LOCKER	STARBOARD SHELL, FR 140-148, DECK TO 48 INCHES ABV DECK.	LAGGING MOISTURE CONTENT NEAR ALARM CONDITION.	REPLACE LOWER 48 INCHES OF SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED. INCLUDE IN REPLACEMENT 12 INCHES OF THE FWD AND AFT BULKHEADS FROM DECK TO 48 INCHES ABV DECK.
3-140-1-A	CLEANING GEAR LOCKER	DECK FROM STARBOARD SHELL TO 12 INCHES INBD SHELL, FR 140-148	DECK BELOW TERRAZZO SUSPECTED OF DETERIORATION.	REMOVE/REINSTALL TERRAZZO, CLEAN AND PRESERVE DECK, UT DECK/SHELL INTERFACE AND REPLACE DECK/SHELL IAW UT RESULTS.
3-154-1-Q	PIPING SPACE	STARBOARD SHELL, DECK TO 72 INCHES ABV DECK, AFT BULKHEAD TO 60 INCHES FWD OF AFT BULKHEAD.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
3-156-2-Q	PIPING SPACE	PORTSIDE SHELL, FR 158-162, DECK TO 4 INCHES ABV DECK.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
3-196-2-A	SHIP STORE STOREROOM	PORTSIDE SHELL, FR 201-204, OVERHEAD TO 72 INCHES BELOW OVERHEAD.	SHELL PLATING BOWED 1-1/2 INCHES INWARD.	NO ACTION REQUIRED.
3-292-2-E	SSDG No. 4 ENCLOSURE	PORTSIDE SHELL, FR 292-318, DECK GRATINGS TO OVERHEAD	PAINT FAILURE.	CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
3-292-2-E	SSDG No. 4 ENCLOSURE	BEHIND START AIR FLASK	PAINT FAILURE.	CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
3-328-0-A	COMBINED SUPPLY DEPARTMENT STOREROOM	PORTSIDE, BILGE AREA, FR 328-331	PAINT FAILURE.	CLEAN AND PRESERVE 18 SQUARE FEET OF BILGE AREA AT LOCATION NOTED.
3-328-0-A	COMBINED SUPPLY DEPARTMENT STOREROOM	STARBOARD SIDE, BILGE AREA, FR 328-331	PAINT FAILURE.	CLEAN AND PRESERVE 18 SQUARE FEET OF BILGE AREA AT LOCATION NOTED.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
4-32-0-Q	SONAR EQUIPMENT ROOM	PORTSIDE SHELL, FR 32-48, DECK TO 4 INCHES ABV DECK.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING/RUBETEX, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED. CLEAN AND PRESERVE DECK FROM SHELL TO FOUR INCHES INBOARD OF SHELL.
4-32-0-Q	SONAR EQUIPMENT ROOM	STARBOARD SIDE SHELL, FR 32-48, DECK TO 4 INCHES ABV DECK.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING/RUBETEX, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED. CLEAN AND PRESERVE DECK FROM SHELL TO FOUR INCHES INBOARD OF SHELL.
4-32-0-Q	SONAR EQUIPMENT ROOM	STARBOARD SIDE SHELL, FR 48 TO 24 INCHES FWD FR 48, DECK TO 24 INCHES ABV THE DECK.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
4-48-1-Q	SONAR EQUIPMENT COOLING ROOM	STARBOARD SIDE SHELL, FR 48-56, DECK TO 50 INCHES ABOVE THE DECK.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
4-64-0-Q	MISSILE MAGAZINE COMPARTMENT	STARBOARD SIDE SHELL, FR 64-84, DECK TO 48 INCHES ABOVE THE DECK.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
4-100-0-E	AUXILIARY PROPULSION UNIT (APU) MACHINERY ROOM	PORTSIDE BILGE AREA, FR 100-108	BILGE POCKET DETERIORATED.	CLEAN AND PRESERVE 48 INCH BY 94 INCH SECTION OF PORTSIDE BILGE AREA BETWEEN FR 100-108 INCLUDING FOUR SQUARE FEET OF FR 100 AND FR 108 BULKHEAD PLATING IN WAY OF BILGE AREA.

**USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS**

LOCATION	NAME	AREA	RESULTS	ACTION
4-100-0-E	AUXILIARY PROPULSION UNIT (APU) MACHINERY ROOM	PORTSIDE BILGE AREA, FR 100-108	PORTSIDE BILGE POCKET DECK PLATE SUPPORTS AT FR 108 TO 36 INCHES FWD OF FR 108 AND FROM SHELL TO 60 INCHES INBOARD OF SHELL AT FR 108 ARE DETERIORATED.	REPLACE THE DECK PLATE SUPPORTS IN AREA NOTED.
4-100-0-E	AUXILIARY PROPULSION UNIT (APU) MACHINERY ROOM	PORTSIDE BILGE AREA, FR 100-108	FR 108 BULKHEAD IN BILGE POCKET BELOW MINIMUM THICKNESS.	REPLACE THREE SQUARE FEET FR 108 BULKHEAD PLATE IN BILGE POCKET PORTSIDE, FROM FUEL TANK (5-100-4-F) OUTBOARD LONGITUDINAL BULKHEAD TO 1 ST LONGITUDINAL PORTSIDE AND FROM THE BOTTOM OF THE BILGE WELL TO 12 INCHES UP FROM THE BOTTOM OF THE BILGE WELL.
4-100-0-E	AUXILIARY PROPULSION UNIT (APU) MACHINERY ROOM	STARBOARD SIDE BILGE AREA, FR 100-108	BILGE POCKET DETERIORATED.	CLEAN AND PRESERVE 48 INCH BY 94 INCH SECTION OF STARBOARD SIDE BILGE AREA BETWEEN FR 100-108 INCLUDING FOUR SQUARE FEET OF FR 100 AND FR 108 BULKHEAD PLATING IN WAY OF BILGE AREA.
4-100-0-E	AUXILIARY PROPULSION UNIT (APU) MACHINERY ROOM	STARBOARD SIDE BELOW APU ELECTRICAL POWER DISTRIBUTION PANEL No. 1	STARBOARD SIDE POCKET BELOW APU ELECTRICAL POWER DISTRIBUTION PANEL No. 1 IS DETERIORATED.	CLEAN AND PRESERVE 16 SQUARE FEET OF STARBOARD SIDE POCKET BELOW AND FORWARD OF APU ELECTRICAL POWER DISTRIBUTION PANEL No. 1.
4-100-0-E	AUXILIARY PROPULSION UNIT (APU) MACHINERY ROOM	PORTSIDE BILGE AREA, FR 100-108	PORTSIDE BILGE POCKET STRUCTURE ALONG APU WELL NO 2 OUTBOARD LONGITUDINAL BULKHEAD BELOW MINIMUM THICKNESS IAW UT.	REPLACE TWO SQUARE FEET FUEL TANK (5-100-4-F) OUTBOARD LONGITUDINAL BULKHEAD FROM HULL TO 12 INCHES ABOVE THE HULL FROM FR 108 TO 24 INCHES FORWARD OF FR 108 (INSIDE THE BILGE).

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
4-140-0-Q	LAUNDRY	PORTSIDE FR 160 TO 36 INCHES FWD OF FR 160, LONGITUDINAL No. 2	LONGITUDINAL No. 2 DETERIORATED IN AREA NOTED.	CLEAN AND PRESERVE PORTSIDE LONGITUDINAL No. 2 AT LOCATION NOTED.
4-140-3-A	STOREROOM	STARBOARD SIDE, BILGE AREA, FR 140-145	BILGE AREA PAINT FAILURE.	CLEAN AND PRESERVE 10 SQUARE FEET OF BILGE AREA AT LOCATION NOTED.
4-151-3-A	CLEANING GEAR LOCKER	STARBOARD SIDE, BILGE AREA, FR 151-154	BILGE AREA PAINT FAILURE.	CLEAN AND PRESERVE 16 SQUARE FEET OF BILGE AREA AT LOCATION NOTED.
4-160-0-Q	CHT PUMP ROOM	STARBOARD SIDE, BILGE AREA, FR 160	COMMON BULKHEAD HOLED BETWEEN 4-160-0-Q AND 4-152-1-A IN THE STARBOARD BILGE AREA BETWEEN THE TANK (5-140-1-F) OUTBOARD BULKHEAD AND FIRST LONGITUDINAL OUTBOARD THE TANK (5-140-1-F).	REPLACE TWO SQUARE FEET COMMON NT BULKHEAD AT LOCATION NOTED.
4-160-0-Q	CHT PUMP ROOM	STARBOARD SIDE, SHELL, FR 160-172 BTWN FIRST TO FOURTH LONGITUDINAL OUTBOARD THE TANK (5-140-1-F).	LAGGING FAILS MOISTURE CONTENT.	REMOVE BUT DO NOT REPLACE SHELL AND STRUCTURAL MEMBER LAGGING AT LOCATION NOTED. CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
4-160-0-Q	CHT PUMP ROOM	STARBOARD SIDE, SHELL, FR 160-180 BTWN FOURTH AND FIFTH LONGITUDINAL OUTBOARD THE TANK (5-140-1-F).	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
4-160-0-Q	CHT PUMP ROOM	STARBOARD SIDE, SHELL, FR 159 TO 164, 18 INCHES ABOVE THE HULL/TANK (5-140-1-F) INTERSECTION (IN BILGE AREA) TO 6 INCHES BELOW THE HULL/TANK (5-140-1-F) INTERSECTION.	SHELL PLATING FAILED UT.	REPLACE SHELL PLATING AT LOCATION NOTED.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
4-160-0-Q	CHT PUMP ROOM	STARBOARD SIDE, TANK 5-140-1-F OUTBOARD BULKHEAD PLATING, FR 159 TO 164, FROM THE HULL/TANK (5-140-1-F) INTERSECTION (IN BILGE AREA) TO 8 INCHES ABOVE THE HULL/TANK (5-140-1-F) INTERSECTION.	TANK 5-140-1-F BULKHEAD PLATING FAILED UT.	REPLACE TANK OUTBOARD BULKHEAD PLATING AT LOCATION NOTED.
4-160-0-Q	CHT PUMP ROOM	PORTSIDE, SHELL, FR 160-180 BTWN THIRD AND FOURTH LONGITUDINAL OUTBOARD THE TANK (5-140-2-F).	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
4-160-0-Q	CHT PUMP ROOM	PORTSIDE, SHELL, FR 160-180, FIRST TO THIRD LONGITUDINAL OUTBOARD THE TANK (5-140-2-F).	PAINT FAILURE.	CLEAN AND PRESERVE STRUCTURAL MEMBERS AT LOCATION NOTED.
4-160-0-Q	CHT PUMP ROOM	STARBOARD SIDE, TANK 5-140-1-F OUTBOARD BULKHEAD PLATING, FR 167 TO 172, FROM THE TANK TOP (5-140-1-F) TO 8 INCHES BELOW THE TANK TOP.	TANK 5-140-1-F BULKHEAD PLATING FAILED UT SPORATICALLY.	REPLACE TANK OUTBOARD BULKHEAD PLATING AT LOCATION NOTED.
4-172-1-E	FIRE PUMP ROOM	FIRE PUMP FOUNDATION	PAINT FAILURE.	CLEAN AND PRESERVE FIRE PUMP FOUNDATION.
4-172-1-E	FIRE PUMP ROOM	STARBOARD SIDE, BILGE POCKET AREA AND SHELL PLATING AND STRUCTURAL MEMBERS FROM BILGE POCKET UP TO THE SECOND LONGITUDINAL FROM BILGE POCKET, FR 172-180.	ANTI-SWEAT PAINT AND BILGE PAINT FAILURE.	CLEAN AND PRESERVE STRUCTURAL MEMBERS AND BILGE AREA AT LOCATION NOTED. RECOAT WITH ANTI-SWEAT PAINT AS REQUIRED.

**USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS**

LOCATION	NAME	AREA	RESULTS	ACTION
5-51-0-Q	EDUCTOR ROOM	BILGE AREA LONGITUDINAL No.2 PORT TO LONGITUDINAL No. 2 STBD, SHELL PLATING AND STRUCTURAL MEMBERS, FR 51-56.	ANTI-SWEAT PAINT AND BILGE PAINT FAILURE.	CLEAN AND PRESERVE STRUCTURAL MEMBERS AND BILGE AREA AT LOCATION NOTED. RECOAT WITH ANTI-SWEAT PAINT AS REQUIRED.
5-51-0-Q	EDUCTOR ROOM	PORT AND STARBOARD SIDE, LONGITUDINAL WEBS FROM No.2 PORT TO OVERHEAD AND LONGITUDINAL No. 2 STBD TO OVERHEAD, FR 51-56.	WEB PAINT FAILURE	CLEAN AND PRESERVE STRUCTURAL MEMBERS AT LOCATION NOTED. RECOAT WITH ANTI-SWEAT PAINT AS REQUIRED
5-51-0-Q	EDUCTOR ROOM	BILGE AREA, 3-INCH X 1-7/8 INCH T-BEAM, 24 INCHES FWD OF FRAME 56, FROM LONG No.2 PORT TO LONG No. 2 STBD.	T-BEAM DETERIORATED.	REPLACE 8 FEET OF T-BEAM AT LOCATION NOTED.
5-51-0-Q	EDUCTOR ROOM	DECK PLATE SUPPORTS IN BILGE AREA.	DECK PLATE SUPPORTS THINNED.	REPLACE 8 FEET OF 3 INCH X 3 INCH AND 3 FEET OF 4 INCH X 4 INCH ANGLE IRONS AT LOCATION NOTED.
5-51-0-Q	EDUCTOR ROOM	AFT PORT BILGE SUCTION STRAINER BOX.	STRAINER BOX DETERIORATED AND CLOGGED.	REPLACE STRAINER BOX (ROSE BOX) AT LOCATION NOTED.
5-180-0-E	AUXILIARY MACHINERY ROOM No.1	BILGE AREA, FRAME 180-212, PORTSIDE SHELL TO STARBOARD SIDE SHELL	BILGE PLATING AND STRUCTURE PAINT FAILURE.	CLEAN AND PRESERVE BILGE AREA, FR 180-212, PORTSIDE SHELL TO STBD SIDE SHELL INCLUDING STRUCTURAL MEMBERS. INCLUDE THE BOTTOM 24 INCHES OF THE FWD BULKHEAD OF 5-204-2-F.
5-180-0-E	AUXILIARY MACHINERY ROOM No.1	BILGE AREA, FRAME 196-204, PORTSIDE SHELL BELOW FIXED BALLAST, BTWN LONGITUDINAL No. 7 AND 9	SHELL PLATING SUSPECTED OF PAINT FAILURE AND DETERIORATION BELOW FIXED BALLAST.	REMOVE AND REPLACE FIXED BALLAST, UT SHELL PLATING BELOW REMOVED BALLAST, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.

**USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS**

LOCATION	NAME	AREA	RESULTS	ACTION
5-180-0-E	AUXILIARY MACHINERY ROOM No.1	BILGE AREA, FR 180 TO 56 INCHES AFT OF FR 180, PORTSIDE SHELL BELOW FIXED BALLAST, BTWN LONGITUDINAL No. 5 AND 6	SHELL PLATING SUSPECTED OF PAINT FAILURE AND DETERIORATION BELOW FIXED BALLAST.	REMOVE AND REPLACE FIXED BALLAST, UT SHELL PLATING BELOW REMOVED BALLAST, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-180-0-E	AUXILIARY MACHINERY ROOM No.1	BILGE AREA, FR 180 TO 96 INCHES AFT OF FR 180, PORTSIDE SHELL BELOW FIXED BALLAST, BTWN LONGITUDINAL No. 6 AND 8	SHELL PLATING SUSPECTED OF PAINT FAILURE AND DETERIORATION BELOW FIXED BALLAST.	REMOVE AND REPLACE FIXED BALLAST, UT SHELL PLATING BELOW REMOVED BALLAST, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-180-0-E	AUXILIARY MACHINERY ROOM No.1	BILGE AREA, FROM 36 INCHES AFT FR 180 TO 96 INCHES AFT OF FR 180, PORTSIDE SHELL BELOW FIXED BALLAST, BTWN LONGITUDINAL No. 8 AND 9	SHELL PLATING SUSPECTED OF PAINT FAILURE AND DETERIORATION BELOW FIXED BALLAST.	REMOVE AND REPLACE FIXED BALLAST, UT SHELL PLATING BELOW REMOVED BALLAST, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-180-0-E	AUXILIARY MACHINERY ROOM No.1	BILGE AREA, FR 204 TO 24 INCHES FWD FR 204, LONG No. 6.	DETERIORATED LONGITUDINAL.	REPLACE 24 INCHES OF LONGITUDINAL No. 6 FROM FR 204 FWD 24 INCHES.
5-180-0-E	AUXILIARY MACHINERY ROOM No.1	BILGE AREA, FR 204-196, LONGITUDINAL No. 7 AND 8.	DETERIORATED LONGITUDINALS.	REPLACE 96 INCHES OF LONGITUDINAL No. 7 AND 8 FROM FR 204-196.
5-180-0-E	AUXILIARY MACHINERY ROOM No.1	BILGE AREA, FR 204 TO 24 INCHES FWD FR 204, BTWN LONGITUDINAL No. 6 AND 9.	DETERIORATED SHELL PLATING.	CLEAN AND UT SHELL PLATING AT LOCATION NOTED. REMOVE AND REPLACE SHELL PLATING AS DETERMINED BY UT READINGS.
5-180-0-E	AUXILIARY MACHINERY ROOM No.1	TOP OF 5-188-2-F HYDRAULIC OIL SUPPLY TANK	PAINT FAILURE.	CLEAN AND PRESERVE 96 INCH BY 7 INCH SECTION AT LOCATION NOTED.
5-180-01-E	SSDG No. 1 ENCLOSURE	FR 180-188, STBD SIDE, LONGITUDINALS 1, 2 AND 3 FROM OVERHEAD.	DETERIORATED LONGITUDINALS.	CLEAN AND PRESERVE THREE LONGITUDINALS AT LOCATION NOTED.
5-180-01-E	SSDG No. 1 ENCLOSURE	BEHIND START AIR FLASK	PAINT FAILURE.	CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	STBD SIDE, FR 212-228, LONGITUDINAL No. 9-12	PAINT FAILURE AND DETERIORATION.	CLEAN AND PRESERVE STRUCTURAL MEMBERS AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	BILGE AREA, FRAME 212-250, PORTSIDE SHELL TO STARBOARD SIDE SHELL	BILGE PLATING AND STRUCTURE PAINT FAILURE.	CLEAN AND PRESERVE BILGE AREA, FR 212-250, PORTSIDE SHELL TO STBD SIDE SHELL INCLUDING STRUCTURAL MEMBERS.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	PORT SIDE, FR 212-228, LONGITUDINAL No. 10-16	PAINT FAILURE AND DETERIORATION.	CLEAN AND PRESERVE STRUCTURAL MEMBERS AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	STBD SIDE, FR 220-226, BTWN AND INCLUDING LONGITUDINAL No. 11-12	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	STBD SIDE, FR 212-228, BTWN AND INCLUDING LONGITUDINAL No. 9-10	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	PORTSIDE, FR 212-220, BTWN AND INCLUDING LONGITUDINAL No. 11-13	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	PORTSIDE, FR 220-226, BTWN AND INCLUDING LONGITUDINAL No. 11-16	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	PORTSIDE, FROM 50 INCHES AFT OF FR 212 TO FR 220, LONGITUDINAL No. 8	LONGITUDINAL No. 8 DETERIORATED, FAILED UT.	REPLACE LONGITUDINAL No. 8 AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	PORTSIDE, FR 220-228, LONGITUDINAL No. 10-11, SHELL PLATING	SHELL PLATING PAINT FAILURE AND DETERIORATED.	CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	PORTSIDE, FR 220 TRANSVERSE MEMBER, LONGITUDINAL No. 5-14	FR 220 TRANSVERSE MEMBER PAINT FAILURE AND DETERIORATED.	CLEAN AND PRESERVE STRUCTURAL MEMBERS AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	PORTSIDE, FR 220 TRANSVERSE MEMBER, LONGITUDINAL No.6-9	FR 220 TRANSVERSE MEMBER TOP DETERIORATED BELOW UT REQUIREMENTS.	REPLACE FR 220 TRANSVERSE MEMBER TOP AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	PORTSIDE, FR 220, TRANSVERSE MEMBER, LONGITUDINAL No. 8 AND ABOVE.	LIGHTING HOLES MISSING IN FR 220 TRANSVERSE MEMBER.	INSTALL LIGHTING HOLES IN FR 220 TRANSVERSE MEMBER FROM LONGITUDINAL No. 8 AND ABOVE.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	HPAC FOUNDATION PORTSIDE UPPER LEVEL	FOUNDATION AND SUPPORTING DECK AND FOUNDATION STRUCTURE PAINT FAILURE AND CORROSION.	CLEAN AND PRESERVE HPAC FOUNDATION AND SUPPORTING STRUCTURE ON UPPER LEVEL AND BETWEEN UPPER AND LOWER LEVEL.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	LPAC FOUNDATION STBD SIDE UPPER LEVEL	FOUNDATION AND SUPPORTING DECK AND FOUNDATION STRUCTURE PAINT FAILURE AND CORROSION.	CLEAN AND PRESERVE LPAC FOUNDATION AND SUPPORTING STRUCTURE ON UPPER LEVEL AND BETWEEN UPPER AND LOWER LEVEL.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	STBD SIDE, FR 220, TRANSVERSE MEMBER, LONGITUDINAL No. 6-11	FR 220 TRANSVERSE MEMBER DETERIORATED.	CLEAN AND PRESERVE STRUCTURAL MEMBERS AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	PORTSIDE, SSDG SW CLG PUMP SEA CHEST FWD BULKHEAD TO FIVE FEET FWD OF THAT BULKHEAD, BTWN LONGITUDINAL No. 3 AND 5.	LOCATION SHELL PLATING THICKNESS UNSATISFACTORY.	REPLACE SHELL PLATING AT LOCATION NOTED.
5-212-0-E	AUXILIARY MACHINERY ROOM No. 2	PORTSIDE, BELOW MD-V24-5-212-2, LONGITUDINAL No. 9	LOCATION LONGITUDINAL UT UNSATISFACTORY.	REPLACE TWO FEET LONGITUDINAL No. 9 CENTERED ON MD-V24-5-212-2.
5-226-1-E	SSDG No. 2 ENCLOSURE	FR 226-250, STBD SIDE, DECK PLATE LEVEL TO OVERHEAD	PAINT FAILURE.	CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
5-226-1-E	SSDG No. 2 ENCLOSURE	BEHIND START AIR FLASK	PAINT FAILURE.	CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-226-2-E	SSDG No. 3 ENCLOSURE	FR 226-250, PORT SIDE, DECK PLATE LEVEL TO OVERHEAD.	PAINT FAILURE.	CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-226-2-E	SSDG No. 3 ENCLOSURE	BEHIND START AIR FLASK	PAINT FAILURE.	CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-250-0-E	MAIN ENGINE ROOM	PORTSIDE LOWER LEVEL, FR 250 TO FWD END OF LUBE OIL STORAGE TANK 1A, LONGITUDINAL No. 2-5 FROM LOWER LEVEL OVERHEAD.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-250-0-E	MAIN ENGINE ROOM	PORTSIDE LOWER LEVEL, FWD END OF LUBE OIL STORAGE TANK 1A TO FR 288, TANK TOP TO LONGITUDINAL No. 1 FROM LOWER LEVEL OVERHEAD.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED. PRESERVATION INCLUDE 6 INCHES OF TANK TOP STRUCTURE FROM SHELL TO 6 INCHES INBOARD OF SHELL.
5-250-0-E	MAIN ENGINE ROOM	STBD SIDE LOWER LEVEL, FR 250 TO FWD END OF LUBE OIL SETTLING TANK 1A, LONGITUDINAL No. 2-5 FROM LOWER LEVEL OVERHEAD.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-250-0-E	MAIN ENGINE ROOM	STBD SIDE LOWER LEVEL, FWD END OF LUBE OIL SETTLING TANK 1A TO FR 288, TANK TOP TO LONGITUDINAL No. 1 FROM LOWER LEVEL OVERHEAD.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED. PRESERVATION INCLUDE 6 INCHES OF TANK TOP STRUCTURE FROM SHELL TO 6 INCHES INBOARD OF SHELL.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
5-250-0-E	MAIN ENGINE ROOM	PORTSIDE LOWER LEVEL, FWD END OF LUBE OIL STORAGE TANK 1A TO 1ST TRANSVERSE BEAM (APPROXIMATELY 17 INCHES), LONGITUDINAL No. 3-6 FROM LOWER LEVEL OVERHEAD.	LONGITUDINAL BEAMS HEAVILY DETERIORATED, FAILED UT.	REPLACE THE LONGITUDINALS AT LOCATION NOTED.
5-250-0-E	MAIN ENGINE ROOM	STBD SIDE BILGE AREA, FR 256-270, LONGITUDINAL No. 1 AND 2 OUTBOARD 5-250-1-F.	SUSPECT SHELL DETERIORATION BENEATH FIXED BALLAST.	REMOVE AND REINSTALL ONE ROW FIXED BALLAST AT LOCATION NOTED. CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS IN LOCATION NOTED INCLUDING BALLAST SUPPORT STRUCTURE.
5-250-0-E	MAIN ENGINE ROOM	PORTSIDE BILGE AREA, FR 250-258, LONGITUDINAL No. 2 AND 4 OUTBOARD 5-250-2-F.	SUSPECT SHELL DETERIORATION BENEATH FIXED BALLAST.	REMOVE AND REINSTALL TWO ROWS FIXED BALLAST AT LOCATION NOTED. CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS IN LOCATION NOTED INCLUDING BALLAST SUPPORT STRUCTURE.
5-250-0-E	MAIN ENGINE ROOM	PORTSIDE BILGE AREA, FR 258-264, OUTBOARD BULKHEAD OF 5-250-2-F TO LONGITUDINAL No. 3 OUTBOARD 5-250-2-F.	SUSPECT SHELL DETERIORATION BENEATH FIXED BALLAST.	REMOVE AND REINSTALL THREE ROWS FIXED BALLAST AT LOCATION NOTED. CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS IN LOCATION NOTED INCLUDING BALLAST SUPPORT STRUCTURE.
5-250-0-E	MAIN ENGINE ROOM	PORTSIDE BILGE AREA, FR 264-270, BTWN LONGITUDINAL No.1- 3 OUTBOARD 5-250-2-F.	SUSPECT SHELL DETERIORATION BENEATH FIXED BALLAST.	REMOVE AND REINSTALL TWO ROWS FIXED BALLAST AT LOCATION NOTED. CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS IN LOCATION NOTED INCLUDING BALLAST SUPPORT STRUCTURE.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
5-250-0-E	MAIN ENGINE ROOM	PORTSIDE LOWER LEVEL, FWD END OF LUBE OIL STORAGE TANK 1A TO 1ST TRANSVERSE BEAM, BTWN LONGITUDINAL No. 4-5 FROM LOWER LEVEL OVERHEAD.	SHELL PLATING HEAVILY DETERIORATED AND COULD NOT OBTAIN UT READING.	CLEAN AND CONDUCT UT, REPLACE SHELL PLATING IAW UT READINGS.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	UPPER LEVEL, STBD SIDE FR 320, FOUR FEET OFF CENTERLINE	JP-5 FILTER DRIP PAN DETERIORATED.	REPLACE JP-5 FILTER DRIP PAN AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	BILGE AREA, FRAME 292-328, PORTSIDE SHELL TO STARBOARD SIDE SHELL	BILGE PLATING AND STRUCTURE PAINT FAILURE.	CLEAN AND PRESERVE BILGE AREA, FR 292-328, PORTSIDE SHELL TO STBD SIDE SHELL INCLUDING STRUCTURAL MEMBERS.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL STBD SIDE	NR 4 FIRE PUMP FOUNDATION PAINT FAILURE AND DETERIORATION.	CLEAN AND PRESERVE NR 4 FIRE PUMP FOUNDATION.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL STBD SIDE	WASTE WATER DRAIN PUMP FOUNDATION PAINT FAILURE AND DETERIORATION.	CLEAN AND PRESERVE WASTE WATER DRAIN PUMP FOUNDATION.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL STBD SIDE, WASTE WATER TANK AFT BULKHEAD BTWN LONGITUDINAL No. 1 AND 2.	WASTE WATER TANK BULKHEAD DETERIORATED.	REPLACE WASTE WATER TANK AFT BULKHEAD, BTWN LONGITUDINAL No. 1 AND 2, SHELL PLATING TO TOP OF TANK.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL STBD SIDE, LONGITUDINAL No. 2, WASTE WATER TANK AFT BULKHEAD TO 12 INCHES AFT OF THAT BULKHEAD.	LONGITUDINAL No. 2 DETERIORATED IN AREA NOTED.	REPLACE LONGITUDINAL No. 2 AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL STBD SIDE, 96 INCHES AFT FRAME 292, 24 INCHES OUTBOARD CENTERLINE	DETERIORATED 21 INCH BY 29 INCH SECTION OF DECK PLATE, SUPPORTS AND ANGLE IRONS.	REPLACE DECK PLATE, SUPPORTS AND ANGLE IRONS AT LOCATION NOTED.

**USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS**

LOCATION	NAME	AREA	RESULTS	ACTION
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL STBD SIDE, No. 4 AND 5 FIRE PUMP SUCTION SEA CHEST, 48 INCHES AFT FR 300 AND 24 INCHES OUTBOARD CENTERLINE BTWN LONGITUDINAL No. 1 AND 2.	FIRE PUMP SEA CHEST DETERIORATED.	REPAIR FIRE PUMP SEA CHEST AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL PORTSIDE, SSDG SW CLG PUMP SEA CHEST, 60 INCHES AFT FR 300, BTWN LONGITUDINAL No. 1 AND 2.	SSDG SW CLG PUMP SEA CHEST DETERIORATED.	REPAIR SSDG SW CLG PUMP SEA CHEST AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL PORTSIDE, SIX INCH SUPPORT STANCHION, FR 308, 24 INCHES OUTBOARD CENTERLINE	SUPPORT STANCHION HEAVILY DETERIORATED.	REPLACE THE LOWER 72 INCHES OF PORTSIDE SUPPORT STANCHION AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL STBD SIDE, SIX INCH SUPPORT STANCHION, FR 308, 24 INCHES OUTBOARD CENTERLINE	SUPPORT STANCHION HEAVILY DETERIORATED.	REPLACE THE LOWER 72 INCHES OF STBD SIDE SUPPORT STANCHION AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL, FR 308 TRANSVERSE STRUCTURAL MEMBER, PORT AND STBD SIDE OF CENTERLINE	FR 308 TRANSVERSE WEB HEAVILY DETERIORATED.	REPLACE IN ITS ENTIRETY 72 INCHES EACH SIDE OF CENTERLINE FR 308 TRANSVERSE STRUCTURAL MEMBER.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL, PORTSIDE, 48 INCHES FWD OF FR 308 TO 24 INCHES AFT OF FR 308, FROM CENTERLINE TO PORT OF CENTERLINE.	SHELL PLATING HEAVILY PITTED AT LOCATION NOTED.	REPLACE 36 SQUARE FEET OF SHELL PLATING AT THE LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL, PORTSIDE, FR 316, VERTICAL T-BEAM AT LONGITUDINAL No. 1.	VERTICAL 10-INCH BY 4-INCH T-BEAM HEAVILY DETERIORATED.	REPLACE 72 INCHES OF VERTICAL T-BEAM AT LOCATION NOTED.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL PORTSIDE, FR 308-316, HULL TO BOTTOM OF SSDG ENCLOSURE, 5-308-2-W INBOARD BULKHEAD.	LAGGING FAILS MOISTURE CONTENT AND OIL SOAKED.	REPLACE 40 SQUARE FEET STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE STRUCTURAL MEMBERS AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL, PORTSIDE, FR 316, VERTICAL T-BEAM AT LONGITUDINAL No. 1.	DISTILLATE PUMP VALVE CONTROLLER No. 2 EXTREMELY DETERIORATED.	REPLACE DISTILLATE PUMP VALVE CONTROLLER No. 2 AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL, PORTSIDE, FR 316, WEB, CENTERLINE TO INBOARD BULKHEAD OF 5-308-2-W	FR 316 WEB DETERIORATED.	REPLACE THE LOWER SIX INCHES OF FR 316 WEB AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL PORTSIDE OUTBOARD LONGITUDINAL No. 3	SSDG SW CIRCULATION PUMP FOUNDATION PAINT FAILURE AND DETERIORATION.	CLEAN AND PRESERVE SSDG SW CIRCULATION PUMP FOUNDATION.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL PORTSIDE, FR 316-324, SHELL PLATING TO 12 INCHES ABOVE SHELL PLATING ON INBD BULKHEAD OF 3-308-2-W	LAGGING FAILS MOISTURE CONTENT.	REPLACE STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE STRUCTURAL MEMBERS AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL PORTSIDE, FR 324, STERN TUBE COVER TO LONGITUDINAL No. 1 PORT, SHELL PLATING TO 12 INCHES ABOVE SHELL PLATING.	FR 324 STRUCTURE DETERIORATED.	REPLACE FR 324 STRUCTURE AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL PORTSIDE, FR 326, STERN TUBE COVER TO LONGITUDINAL No. 1 PORT, SHELL PLATING TO 12 INCHES ABOVE SHELL PLATING.	FR 326 STRUCTURE DETERIORATED.	REPLACE FR 326 STRUCTURE AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL STBD SIDE	NR 5 FIRE PUMP FOUNDATION PAINT FAILURE AND DETERIORATION.	CLEAN AND PRESERVE NR 5 FIRE PUMP FOUNDATION.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL STBD SIDE, FR 310-316, BTWN LONGITUDINAL No. 1 AND 2	DETERIORATED 28 INCH BY 72 INCH SECTION OF DECK PLATE, SUPPORTS AND ANGLE IRONS.	REPLACE DECK PLATE, SUPPORTS AND ANGLE IRONS AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	UPPER/LOWER LEVEL PORTSIDE, FR 318 TO 36 INCHES AFT FR 318, LONGITUDINALS No. 6-9 (FROM COMPARTMENT OVERHEAD)	LONGITUDINALS AT LOCATION NOTED DETERIORATED.	REPLACE LONGITUDINALS No. 6-9 FROM COMPARTMENT OVERHEAD AT LOCATION NOTED.
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	LOWER LEVEL FR 316, 48 INCHES EACH SIDE OF CENTERLINE, SHELL TO TOP OF STRUCTURE (UPPER PORTION OF LOWER LEVEL)	FR 316 STRUCTURAL MEMBER HOLED.	REPLACE TRANSVERSE FR 316 FROM 48 INCHES PORT TO 48 INCHES STARBOARD, SHELL TO OVERHEAD OF LOWER LEVEL INCLUDING STRUCTURAL STIFFENERS/SUPPORTS
5-292-0-E	AUXILIARY MACHINERY ROOM No. 3	FOUNDATIONS AND SUPPORT STRUCTURE FOR EQUIPMENT ON THE UPPER LEVEL	FOUNDATIONS AND SUPPORTING STRUCTURES HAVE PAINT FAILURE AND DETERIORATION.	NO STRUCTURAL IMPACT, CLEAN AND PRESERVE UPPER LEVEL FOUNDATIONS AND SUPPORT STRUCTURE.
5-368-01-E	AFTER STEERING FWD EDUCTOR RM	BILGE AREA , FR 368-376, SHELL TO INBOARD BULKHEAD	PAINT FAILURE AND DETERIORATED BILGE WELL.	CLEAN AND PRESERVE 48 SQUARE FEET OF BILGE AREA AT LOCATION NOTED.
5-368-01-E	AFTER STEERING FWD EDUCTOR RM	STBD SIDE, FR368-376, SHELL FROM BILGE TO OVERHEAD.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMBER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED. INCLUDE 12 INCHES OF OVERHEAD LAGGING FROM SHELL TO 12 INCHES INBOARD OF SHELL.
5-368-01-E	AFTER STEERING FWD FAN ROOM	BILGE AREA , FR 368-376, SHELL TO INBOARD BULKHEAD	PAINT FAILURE	CLEAN AND PRESERVE 48 SQUARE FEET OF BILGE AREA AT LOCATION NOTED.

USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREA SPECIFICS

LOCATION	NAME	AREA	RESULTS	ACTION
5-368-01-E	AFTER STEERING AFT PORT SIDE STOREROOM	PORTSIDE SHELL, FR 376-392, DECK TO 18 INCHES ABOVE THE DECK.	LAGGING FAILS MOISTURE CONTENT.	REPLACE SHELL AND STRUCTURAL MEMER LAGGING, CLEAN AND PRESERVE SHELL AND STRUCTURAL MEMBERS AT LOCATION NOTED.
5-368-01-E	AFTER STEERING AFT PORT SIDE STOREROOM	BILGE AREA , FR 376-384, SHELL TO INBOARD BULKHEAD	PAINT FAILURE	CLEAN AND PRESERVE 48 SQUARE FEET OF BILGE AREA AT LOCATION NOTED.
5-376-1-A	1ST DIVISION STOREROOM	BILGE AREA FR 376-371, INBOARD BULKHEAD TO 96 INCHES OUTBOARD OF THAT BULKHEAD	PAINT FAILURE.	CLEAN AND PRESERVE BILGE AT LOCATION NOTED.

**USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNASSESSABLE AREAS**

LOCATION	NAME	AREA	RESULTS
3-20-0-Q	CHAIN LOCKER	LOCKER	INACCESSIBLE/REQUIRES GAS FREE
3-32-2-A	SECURITY FORCE ISSUE ROOM	COMPARTMENT	INACCESSIBLE DUE TO GEAR STOWAGE
3-64-1-V	VOID	VOID	INACCESSIBLE/REQUIRES GAS FREE
3-64-2-V	VOID	VOID	INACCESSIBLE/REQUIRES GAS FREE
3-144-0-L	CREW'S BERTHING	COMPARTMENT	SHELL AREAS INACCESSIBLE, AFT STBD SIDE (AFT OF 3-154-1-Q) DUE TO RACK INSTALLATION. AFT PORT SIDE (AFT OF 3-140-2-L) DUE TO RACK INSTALLATION.
3-236-1-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-236-2-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-240-1-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-240-2-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-272-1-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-272-2-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-278-1-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-278-2-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-286-1-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-286-2-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-292-8-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-316-1-J	JP-5 FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
3-322-1-F	JP-5 FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
4-H-0-V	VOID	VOID	INACCESSIBLE/REQUIRES GAS FREE
4-20-0-W	SUMP	TANK	INACCESSIBLE/REQUIRES GAS FREE
4-27-0-V	VOID	VOID	INACCESSIBLE/REQUIRES GAS FREE
4-64-0-Q	MISSILE MAGAZINE COMPARTMENT	FAN COIL UNIT 4-80-2	AFT 1/3 PORTION OF PORTSIDE SHELL FROM THE DECK TO 48 INCHES ABOVE THE DECK AND 1/2 THE AFT PORTSIDE FR 84 BULKHEAD FROM THE DECK TO 48 INCHES ABOVE THE DECK.
4-140-2-A	LAUNDRY STOREROOM	COMPARTMENT	SODA STOWAGE PREVENTED INSPECTION OF HULL.
4-152-1-A	CHEMICAL WARFARE STOREROOM	COMPARTMENT	INACCESSIBLE DUE TO GEAR STOWAGE
5-FF-0-V	INACCESSIBLE VOID	VOID	INACCESSIBLE VOID
5-32-0-W	SW BALLAST TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-56-0-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-64-0-F	FUEL OVERFLOW TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-84-1-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-84-2-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-100-1-W	APU WELL No. 1	WELL	INACCESSIBLE/REQUIRES GAS FREE
5-100-2-W	APU WELL No. 2	WELL	INACCESSIBLE/REQUIRES GAS FREE
5-100-3-F	FUEL OVFL OR BALLAST TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-100-4-F	FUEL OVFL OR BALLAST TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-116-0-W	CLEAN BALLAST TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-116-1-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE

**USS NICHOLAS (FFG-47) STRUCTURAL INSPECTION RESULTS
UNASSESSABLE AREAS**

LOCATION	NAME	AREA	RESULTS
5-116-2-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-1/2-116-0-V	SOLID BALLAST VOID	VOID	INACCESSIBLE/REQUIRES GAS FREE
5-132-0-F	CONTAMINATED OIL SET TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-137-1-T	UNDERWATER LOG TRUNK	TRUNK	INACCESSIBLE/REQUIRES GAS FREE
5-140-1-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-140-2-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-164-0-F	OILY WASTE WATER HOLDING TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-164-1-W	LAUNDRY DRAIN TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-164-2-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-164-3-F	FUEL TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-170-0-F	WASTE OIL RETENSION TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-188-2-W	WASTE WATER DRAIN TANK No. 1	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-192-2-F	OILY WASTE DRAIN TANK No. 1	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-201-1-F	AUX FUEL SERVICE TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-201-3-F	AUX FUEL SERVICE TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-204-1-F	FUEL SERVICE TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-204-2-F	FUEL SERVICE TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-220-2-W	WASTE WATER DRAIN TANK No. 2	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-222-1-F	OILY WASTE DRAIN TANK No. 2	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-250-1-F	FUEL OR BLST TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-250-2-F	FUEL OVFL OR BLST TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-270-0-F	CPP HYDRAULIC OIL SUMP TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-276-0-F	LUBE OIL SUMP TANK	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-290-2-F	OILY WASTE DRAIN TANK No. 3	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-292-1-W	WASTE WATER DRAIN No. 3	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-292-2-W	POTABLE WATER	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-292-3-W	POTABLE WATER	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-308-1-W	POTABLE WATER	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-308-2-W	POTABLE WATER	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-328-0-J	JP-5 OVERFLOW	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-328-1-W	CLEAN BALLAST	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-328-2-W	CLEAN BALLAST	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-344-0-J	JP-5	TANK	INACCESSIBLE/REQUIRES GAS FREE
5-368-0-V	VOID	VOID	INACCESSIBLE/REQUIRES GAS FREE
5-386-0-V	INACCESSIBLE VOID	VOID	INACCESSIBLE VOID
5-390-1-A	AFTER LIGHT LOCKER	COMPARTMENT	INACCESSIBLE DUE TO GEAR STOWAGE
5-392-0-V	VOID	VOID	INACCESSIBLE/REQUIRES GAS FREE

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 3-84-0-E	WORK CENTER EMO4	JSN P006
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE		4. D - DOWN* 5. L - LIMITED 3 .9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 1 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 1 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 7 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. SIF BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO SIF ACCOMPLISHMENT 8. FOR SIF OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF A/C MACHRY ROOM (3-84-0-E),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS WERE					
CORRODED., FROM THE DECK UP 48", PORTSIDE, FR 84 TO FR 100.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 100 SF OF SATURATED SHELL INSULATION. REMOVE CORROSION EXPOSED					
BY REMOVALS. PRIME AND PRESERVE SHELL EXPOSED BY INSULATION REMOVALS, INCLUDING 6"					
OF ADJOINING DECK AND BHD. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED. PAINT					
INSULATION TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY A/C MACHRY ROOM (3-84-0-E) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS		RATE LT	PHONE
BLUEPRINTS, TECH MANUALS, PLANS, ETC.					ON BOARD YES NO
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 3-84-0-E	WORK CENTER EMO4	JSN P008
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE		4. D - DOWN* 5. L - LIMITED 3 .9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. SIF BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO SIF ACCOMPLISHMENT 8. FOR SIF OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF A/C MACHRY ROOM (3-84-0-E),					
ON THE TRANSV BHD AT FR 100, THE LOWER 4' OF BHD INSULATION WAS FOUND SATURATED AND					
THE BHD CORRODED FROM CENTERLINE TO THE PORTSIDE SHELL. THE NO. 1 A/C UNIT MUST BE					
REMOVED TO ACCESS THIS AREA.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 80 SF OF SATURATED BHD INSULATION. REMOVE CORROSION EXPOSED					
BY REMOVALS. PRIME AND PRESERVE BHD EXPOSED BY INSULATION REMOVALS, INCLUDING 6"					
OF ADJOINING DECK AND BHD. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED. PAINT					
INSULATION TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY A/C MACHRY ROOM (3-84-0-E) BHD INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL DECKS		ESWBS 13011	EIC A501	APL N/A	RIC
EQUIPMENT NAME HULL DECKS		IDENT/SERIAL N/A	LOCATION 3-84-0-E	WORK CENTER EMO4	JSN P011
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 4 5. SWFL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED; PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED; PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED; NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED; 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			4
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF A/C MACHRY ROOM (3-84-0-E),					
THE EDUCTOR SUMP DECK AND COAMING LOCATED AT FR 100, CENTERLINE, WAS HEAVILY					
CORRODED.					
RECOMMENDED REPAIRS					
REMOVE CORROSION. PRIME AND PRESERVE APPROXIMATELY 5 SF OF DECK, INCLUDING BOTH					
SIDES OF THE COAMING AROUND THE SUMP.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY A/C MACHRY ROOM (3-84-0-E) EDUCTOR SUMP CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM NON STRUCTURAL BHDS		ESWBS 62111	EIC A301	APL N/A	RIC
EQUIPMENT NAME NON STRUCTURAL BHDS		IDENT/SERIAL N/A	LOCATION 3-100-1-L	WORK CENTER EMO4	JSN P054
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 1 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SWFL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. SIF BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO SIF ACCOMPLISHMENT 8. FOR SIF OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF BERTHING COMPT. (3-100-1-L),					
THE TRANSV JOINER BHD AT FR 113, BETWEEN 3-100-1-L AND 3-113-0-L IS DETERIORATED AND					
HOLED ABOUT 6" ABOVE THE DECK FROM THE STBD SHELL INBD TO THE ACCESS TO 3-113-0-L.					
ROOT CAUSE IS WATER SEEPAGE BETWEEN THE DECKING AND THE BHD IN 3-113-1-L.					
RECOMMENDED REPAIRS					
REMOVE AND REPLACE APPROX. 15 SF OF JOINER BHD IN AREA INDICATED ABOVE.					
REMOVE AND REPLACE ADJACENT DECKING IN WAY OF BHD REPAIRS. SEAL, PRIME AND PRESERVE					
NEW AND DISTURBED SURFACES OF ADJOINING DECK AND BHD.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY BERTHING COMPT (3-100-1-L) BHD DETERIORATED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS		RATE LT	PHONE
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC A301	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 3-113-0-L	WORK CENTER EMO4	JSN P055
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 1 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 1 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 7 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. SIF BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO SIF ACCOMPLISHMENT 8. FOR SIF OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF CREWS WSHRM (3-113-0-L),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS FROM THE					
DECK UP 12", FROM FR 113 TO 125, STBD SIDE, WERE CORRODED.					
RECOMMENDED REPAIRS					
REMOVE SANITARY SHEATHING. REMOVE APPROX. 20SF OF SATURATED SHELL INSULATION.					
REMOVE CORROSION EXPOSED BY REMOVALS. PRIME AND PRESERVE SHELL EXPOSED BY					
INSULATION REMOVALS. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED. INSTALL NEW					
SANITARY SHEATHING.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY CREW WSHRM (3-113-0-L) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC A301	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 3-140-1-A	WORK CENTER EMO4	JSN P056
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SPWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF CLEANING GEAR LOCKER (3-140-1-A),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS FROM THE					
DECK UP 48", FROM FR 140 TO 148, STBD SIDE, WERE CORRODED. THE INSULATION ON THE					
ADJACENT AREAS ON THE FWD AND AFT BHDS IS ALSO SATURATED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 40 SF OF SATURATED SHELL AND BHD INSULATION.					
REMOVE CORROSION EXPOSED BY REMOVALS. PRIME AND PRESERVE SHELL EXPOSED BY					
INSULATION REMOVALS. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED. PAINT NEW					
SURFACES TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY CLEANING GEAR LKR (3-140-1-A) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL DECKS		ESWBS 13011	EIC A301	APL N/A	RIC
EQUIPMENT NAME HULL DECKS		IDENT/SERIAL N/A	LOCATION 3-140-1-A	WORK CENTER EMO4	JSN P057
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF CLEANING GEAR LOCKER (3-140-1-A),					
THE TERRAZZO DECK COVERING IS CRACKED, ALLOWING MOISTURE TO PENETRATE TO SHELL AND					
DECK.					
HEAVY CORROSION IS VISIBLE AROUND DECKING.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 32 SF OF DETERIORATED TERRAZZO DECK COVERING.					
REMOVE CORROSION EXPOSED BY REMOVALS. PRIME AND PRESERVE SHELL AND DECK EXPOSED					
BY DECKING REMOVALS. ACCOMPLISH UT SURVEY OF DECK AND ADJACENT SHELL. INSTALL NEW					
DECKING IN PLACE OF THAT REMOVED.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY CLEANING GEAR LKR (3-140-1-A) DECK COVERING DETERIORATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 3-154-1-Q	WORK CENTER EMO4	JSN P053
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 1 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 1 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 7 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. SIF BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO SIF ACCOMPLISHMENT 8. FOR SIF OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF PIPING SPACE (3-154-1-Q),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS FROM THE					
DECK UP 72", FROM FR 159 TO 164, STBD SIDE, WERE CORRODED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 30 SF OF SATURATED SHELL INSULATION.					
REMOVE CORROSION EXPOSED BY REMOVALS. PRIME AND PRESERVE SHELL EXPOSED BY					
INSULATION REMOVALS. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED. PAINT NEW					
SURFACES TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY PIPING SPACE (3-154-1-Q) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 3-156-2-Q	WORK CENTER EMO4	JSN P052
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SPWL 4	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 8	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 4
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF PIPING SPACE (3-156-2-Q),					
THE FOAM SHELL INSULATION WAS FOUND SATURATED AND THE SHELL FROM THE					
DECK UP 4", FROM FR 158 TO 162, PORT SIDE, WAS CORRODED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 2 SF OF SATURATED SHELL INSULATION.					
REMOVE CORROSION EXPOSED BY REMOVALS, INCLUDING 3" OF ADJACENT DECK. PRIME AND					
PRESERVE SHELL AND DECK. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED.					
PAINT NEW SURFACES TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY PIPING SPACE (3-156-2-Q) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47					
SYSTEM PAINTING		ESWBS 63111	EIC A101	APL N/A		RIC	
EQUIPMENT NAME BILGE PAINTING			IDENT/SERIAL N/A	LOCATION 3-292-2-E	WORK CENTER EMO4	JSN P001	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE		4. D - DOWN* 5. L - LIMITED 3 .9	
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON			
1. DEPOT 1 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 1 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIROMENT 7 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE			
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3		
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF NO. 4 DIESEL ENCLOSURE (3-292-2-E), THERE IS							
GENERAL PAINT FAILURE ON THE SHELL AND BILGE AREAS, INCLUDING THE FWD AND AFT BHDS IN							
WAY OF THE BILGE AREAS AND STRUCTURE ATTACHED TO THE SHELL. THE AFFECTED AREA							
IS FROM THE TANKTOP TO THE OVHD, FROM FR 292 TO FR 318							
RECOMMENDED REPAIRS							
ACCOMPLISH AN ACID AND POWER TOOL CLEANING OF THE BILGE AREAS. PRIME AND PRESERVE							
SHELL, STRUCTURE AND TANK BHDS, INCLUDING THE AREAS OF THE FWD AND AFT TRANSV BHDS IN							
WAY OF THE BILGES. AREA IS APPROXIMATELY 1250 SF.							
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI							
CSMP SUMMARY SSDG NO. 4 ENCL. (3-292-2-E) BILGE AREAS CORRODED.					TEST # MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP # 1.f		
SYSTEM LEVEL IMPACT							
PART NO.	NOMENCLATURE	QTY	NSN	COST			
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS		RATE LT	PHONE		
BLUEPRINTS, TECH MANUALS, PLANS, ETC.						ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI				TD	TL	LOGISTICIAN	TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47					
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A101	APL N/A		RIC	
EQUIPMENT NAME SHELL & SUPPORTING STRUCTURE			IDENT/SERIAL N/A	LOCATION 3-328-0-A	WORK CENTER EMO4	JSN P003	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9	
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON			
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 4 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURERINSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE			
MAN HRS EXPENDED 0001	MAN HRS REMAINING 10	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3		
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF COMB SUPPLY DEPT STRM (3-328-0-A),							
THE BILGE AREA BETWEEN THE TANK BHD AND THE SHELL, PORT AND STBD SIDE, FR 328 TO 331,							
INCLUDING THE TRANSVERSE BHD AT THE FWD END WAS FOUND CORRODED.							
RECOMMENDED REPAIRS							
REMOVE CORROSION FROM SURFACES INDICATED ABOVE.							
PRIME AND PRESERVE 40 SF OF TERRA COTTA BILGE AREA, INCLUDING 3 SF OF THE FWD BHD IN							
WAY OF THE BILGE AREAS.							
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI							
CSMP SUMMARY COMB SUPPLY DEPT STRM (3-328-0-A) BILGE AREAS CORRODED.					TEST # MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP # 1.a		
SYSTEM LEVEL IMPACT							
PART NO.	NOMENCLATURE	QTY	NSN	COST			
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS		RATE LT	PHONE		
BLUEPRINTS, TECH MANUALS, PLANS, ETC.					ON BOARD YES NO		
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI				TD	TL	LOGISTICIAN	TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 4-32-0-Q	WORK CENTER EMO4	JSN PO49
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 4 5. SPWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 4 30MAR02	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 16	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF SONAR EQUIP. ROOM (4-32-0-Q),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS FROM THE					
DECK UP 4" FROM FR 32 TO FR 48, PORT AND STBD SIDES, AND FROM THE DECK UP 24", FR 46 TO FR					
48, STBD SIDE, WAS CORRODED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 11 SF OF SATURATED FOAM INSULATION AND APROX. 4 SF OF SHELL INSULATION.					
REMOVE CORROSION EXPOSED BY REMOVALS. PRIME AND PRESERVE SHELL EXPOSED BY					
INSULATION REMOVALS. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED. PAINT INSULATION					
TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY SONAR EQUIP. ROOM (4-32-0-Q) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 4-48-1-Q	WORK CENTER EMO4	JSN P050
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE SCRPTION: PER SEMAT INSPECTION OF SONAR EQUIP.CLG ROOM (4-48-1-Q),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS FROM THE					
DECK UP 50", FROM FR 48 TO FR 56, STBD SIDE, WERE CORRODED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 40 SF OF SATURATED SHELL INSULATION. REMOVE CORROSION EXPOSED					
BY REMOVALS. PRIME AND PRESERVE SHELL EXPOSED BY INSULATION REMOVALS. INSTALL NEW					
INSULATION IN PLACE OF THAT REMOVED. PAINT INSULATION TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY SONAR EQUIP. CLG ROOM (4-48-1-Q) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 4-64-0-Q	WORK CENTER EMO4	JSN P051
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF MISSILE MAG COMPT. (4-64-0-Q),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS FROM THE					
DECK UP 48", FROM FR 64 TO FR 84, STBD SIDE, WERE CORRODED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 90 SF OF SATURATED SHELL INSULATION. REMOVE CORROSION EXPOSED					
BY REMOVALS. PRIME AND PRESERVE SHELL EXPOSED BY INSULATION REMOVALS. INSTALL NEW					
INSULATION IN PLACE OF THAT REMOVED. PAINT INSULATION TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY MISSILE MAG. COMPT (4-64-0-Q) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM TANKS		ESWBS 12311	EIC A809	APL N/A	RIC
EQUIPMENT NAME VOIDS AND COFFERDAMS		IDENT/SERIAL N/A	LOCATION 4-100-0-E	WORK CENTER EM04	JSN P012
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF APU ROOM (4-100-0-E),					
APPROX. 2 SF OF THE 5-100-4-F TANK BHD PLATING ON THE PORTSIDE, FROM FR 106 TO FR					
108, FROM THE SHELL PLATE WELD SEAM UP 12" WAS FOUND WASTED BELOW MINIMUM IN WAY OF					
PREVIOUS INSERT PLATE WELD.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX 2 SF OF (.25") THICK TNK BHD PLATING AS INDICATED					
ABOVE. PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P017, EM04-P019 AND EM03-4200.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY APU ROOM (4-100-0-E) TANK BHD PLATE WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 12011	EIC A801	APL N/A	RIC
EQUIPMENT NAME BULKHEADS, STRUCTURAL		IDENT/SERIAL N/A	LOCATION 4-100-0-E	WORK CENTER EM04	JSN P017
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE SCRPTION: PER SEMAT INSPECTION OF APU ROOM (4-100-0-E),					
APPROX. 4 SF OF THE TRANSVERSE BHD PLATING ON THE PORTSIDE AT FR 108, IN THE VEE					
BETWEEN THE SHELL AND THE TANK BHD (BILGE AREA) AFT OF THE ROSEBOX, IS SEVERELY					
WASTED. THE AREA IS INACCESSIBLE DUE TO THE ROSEBOX					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX 4 SF OF (.25") THICK BHD PLATING AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN CONJUNCTION WITH EM04-P012,					
EM04-PO19 AND EMO3-4200.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY APU ROOM (4-100-0-E) BHD PLATE WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

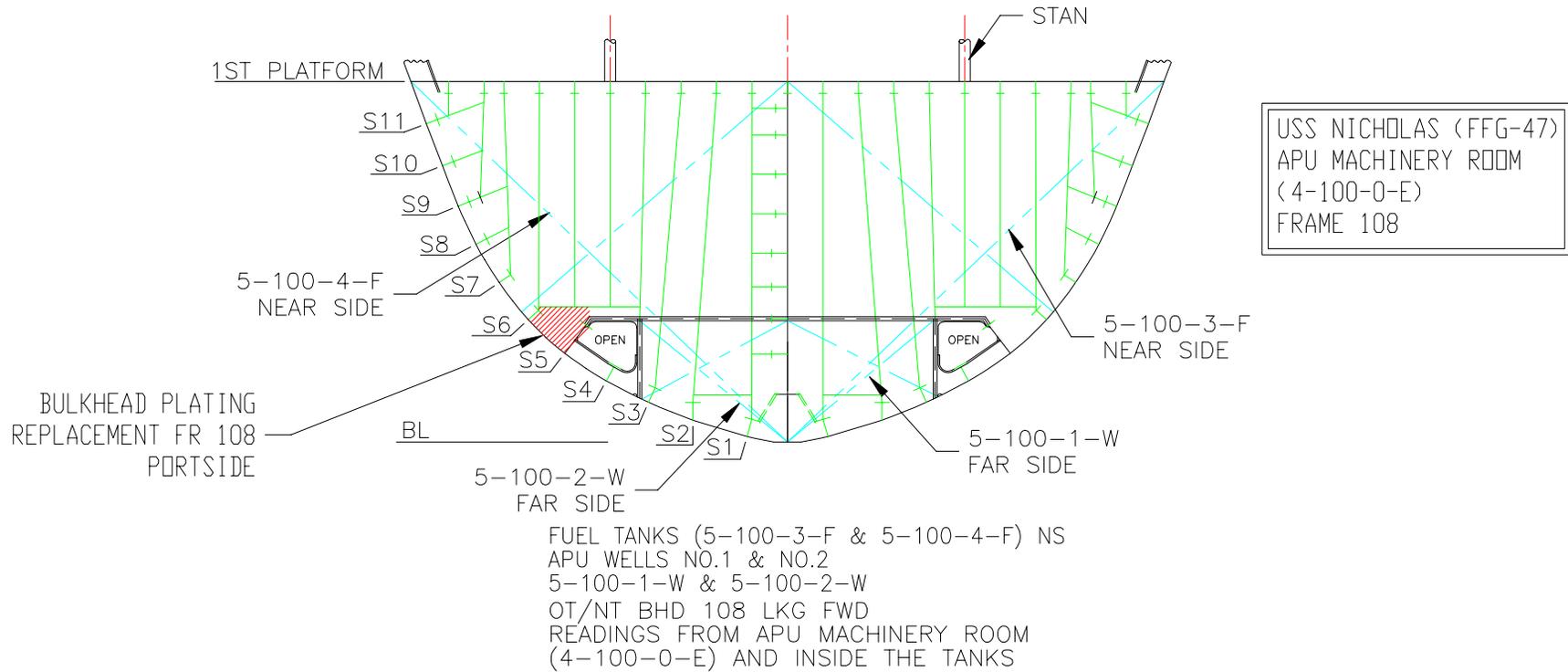
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47				
SYSTEM PAINTING		ESWBS 63111	EIC A101	APL N/A	RIC	
EQUIPMENT NAME BILGE PAINTING		IDENT/SERIAL N/A	LOCATION 4-100-0-E	WORK CENTER EMO3	JSN 4200	
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED			.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY	
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF APU ROOM (4-100-0-E) ,THE BILGE AREAS BETWEEN						
THE TANK BHD AND THE SHELL, FROM THE TANKTOP TO 2 FT UP THE SHELL, PORT AND STBD SIDES,						
FR 100 TO 108, WERE FOUND CORRODED. ON THE STBD SIDE, THE APU PWR PANEL WILL NEED TO BE						
LIFTED TO ACCESS THE BILGE AREA.						
RECOMMENDED REPAIRS						
REMOVE CORROSION IN AREAS INDICATED ABOVE. PRIME AND PRESERVE SHELL,						
STRUCTURE AND TANK BHD, INCLUDING THE AREAS OF THE FWD AND AFT TRANSV BHDS, IN WAY						
OF THE BILGES. ACCOMPLISH UT SURVEY OF FR 100 TRANSV BHD, STBD SIDE AND STBD BILGE						
AREAS EXPOSED BY APU PWR PANEL RMVL. ACCOMP. IN CONJ. WITH EM04-PO17, P012 AND PO19.						
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI						
CSMP SUMMARY APU ROOM (4-100-0-E) BILGE AREAS CORRODED.					TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1					STEP # 1.f	
SYSTEM LEVEL IMPACT						
PART NO.	NOMENCLATURE	QTY	NSN	COST		
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS		RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.					ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI				TD	TL	LOGISTICIAN TSP

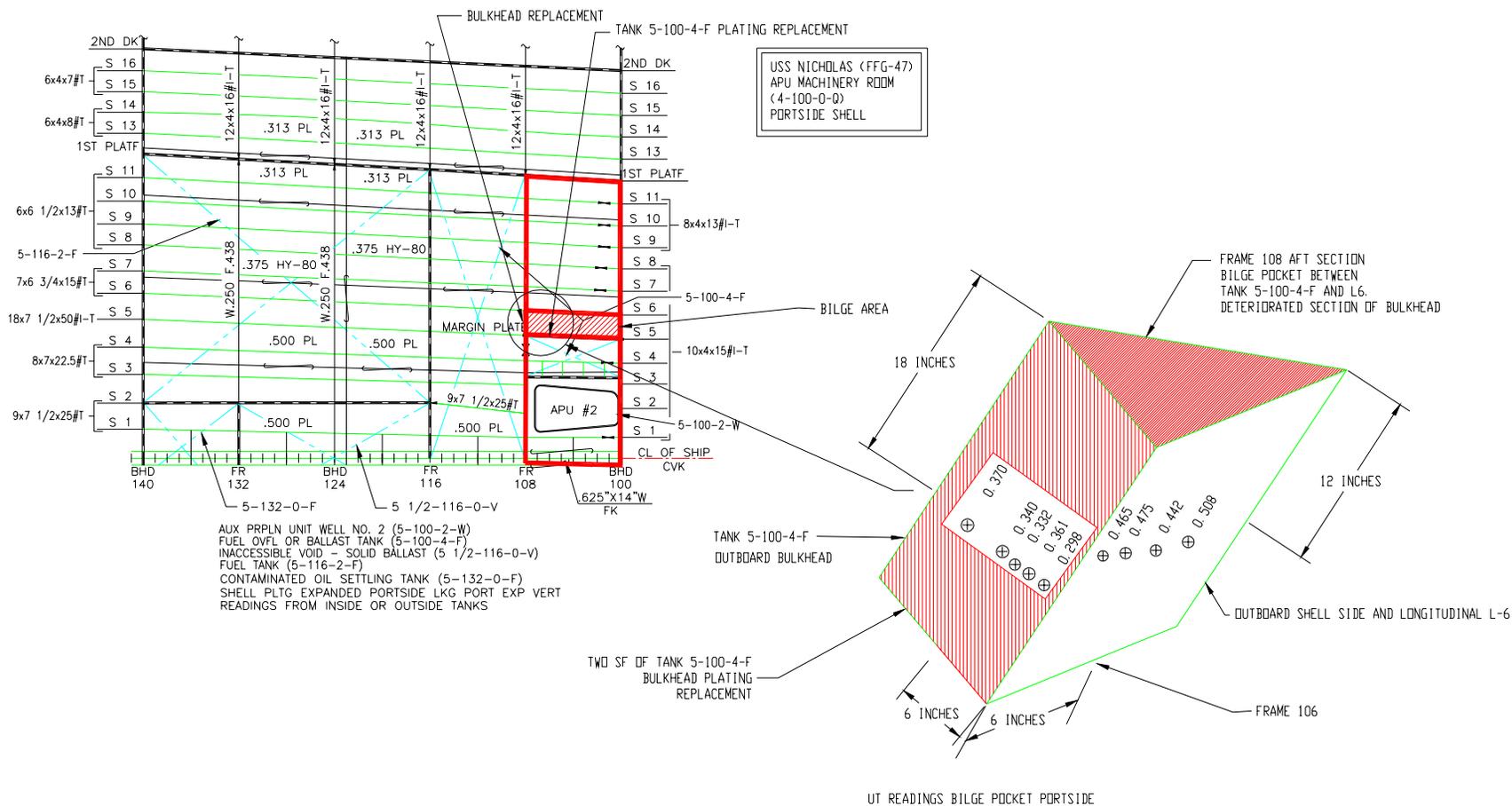
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM FLOOR PLATES AND GRATES		ESWBS 62211	EIC 1404	APL N/A	RIC
EQUIPMENT NAME MACHINERY SPACES		IDENT/SERIAL N/A	LOCATION 4-100-0-E	WORK CENTER EM04	JSN P019
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF APU ROOM (4-100-0-E),					
APPROX. 12 LF OF THE DECK PLATE SUPPORT ANGLES ON THE PORTSIDE AT FR 108, BETWEEN THE SHELL AND THE TANK BHD, ARE SEVERELY WASTED.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX 12 LF OF 2 1/2 X 2 1/2 X 1/4 ANGLE AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN CONJUNCTION WITH EM04-P012, EM04-P017 AND EMO3-4200.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY APU ROOM (4-100-0-E) DECK PLATE SUPPORTS WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.c	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

APU MACHINERY ROOM FRAME 108 STRUCTURE DIAGRAM



APU MACHINERY ROOM PORT SHELL STRUCTURE DIAGRAM



Auxiliary Propulsion Unit (APU) Machinery Room - 4-100-0-E

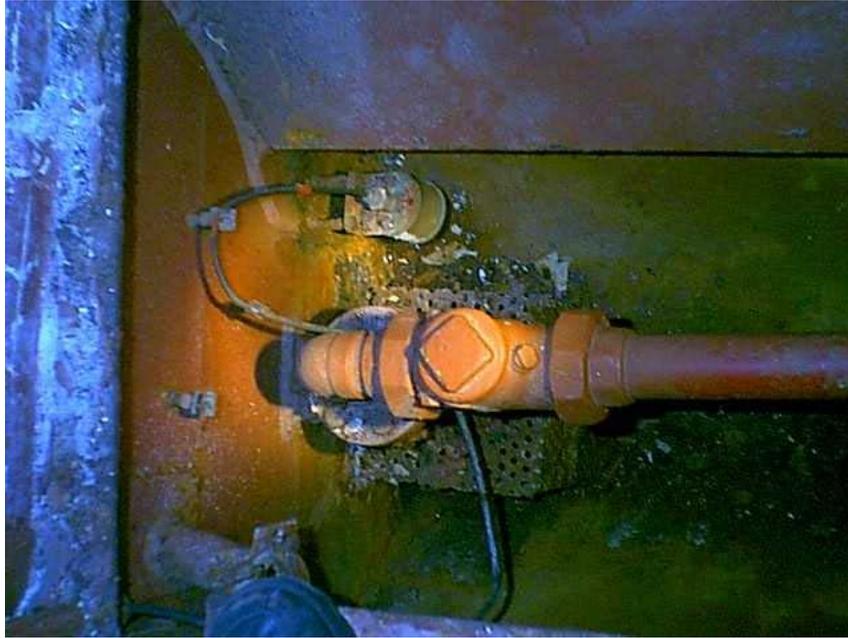


Photo 1: DETERIORATED BILGE POCKET PORTSIDE AFT, FRAME 108, LOOKING DOWN/AFT/OUTBOARD



Photo 2: DETERIORATED BILGE PORTSIDE FWD FRAME 100, LOOKING FORWARD/OUTBOARD

Auxiliary Propulsion Unit (APU) Machinery Room - 4-100-0-E



Photo 3: DETERIORATED BILGE POCKET, STBD SIDE
FRAME 108, LOOKING DOWN



Photo 4: BILGE AREA STBD SIDE BELOW No 1 APU
DISTRIBUTION PANEL, LOOKING FWD

Auxiliary Propulsion Unit (APU) Machinery Room - 4-100-0-E



Photo 5: FWD STBD BILGE AREA AND WIREWAY
FRAME 100, FWD No 1 AND 2 APU DISTRIBUTION
POWER PANELS, LOOKING DOWN AND FORWARD



Photo 6: UT SECTION INBD SIDE OF FRAME 108
PORTSIDE AFT BILGE POCKET LOOKING DOWN
AND INBOARD

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A301	APL N/A	RIC
EQUIPMENT NAME SHELL & SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 4-140-0-Q	WORK CENTER EMO4	JSN P021
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 4 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 4 30MAR02	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 3	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE SCRPTION: PER SEMAT I INSPECTION OF LAUNDRY (4-140-0-Q),					
THE 2ND STIFFENER FROM THE TANK TOP BHD, PORTSIDE, FR 157 TO 160, WAS FOUND CORRODED.					
RECOMMENDED REPAIRS					
REMOVE CORROSION FROM SURFACES INDICATED ABOVE.					
PRIME AND PRESERVE 3 LF OF STIFFENER FROM FR 157 TO 160					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY LAUNDRY (4-140-0-Q) STIFFENER CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM PAINTING		ESWBS 63111	EIC A101	APL N/A	RIC
EQUIPMENT NAME BILGE PAINTING		IDENT/SERIAL N/A	LOCATION 4-140-3-A	WORK CENTER EMO4	JSN P023
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 12	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE Scription: PER SEMAT I INSPECTION OF STOREROOM (4-140-3-A),					
THE BILGE AREA BETWEEN THE TANK BHD AND THE SHELL, STBD SIDE, FR 140 TO 145, INCLUDING					
THE TRANSVERSE BHD AT EACH END, WAS FOUND CORRODED.					
RECOMMENDED REPAIRS					
REMOVE CORROSION FROM SURFACES INDICATED ABOVE.					
PRIME AND PRESERVE 25 SF OF TERRA COTTA BILGE AREA.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY STOREROOM (4-140-3-A) BILGE AREA CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.f	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT		RATE DCC	SECOND CONTACT WELLS		PHONE
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM PAINTING		ESWBS 63111	EIC A101	APL N/A	RIC
EQUIPMENT NAME BILGE PAINTING		IDENT/SERIAL N/A	LOCATION 4-151-3-A	WORK CENTER EMO4	JSN P025
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 4 30MAR02	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 10	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 4
DISCREPANCY DE Scription: PER SEMAT I INSPECTION OF CLEANING GEAR LOCKER (4-151-3-A),					
THE BILGE AREA BETWEEN THE TANK BHD AND THE SHELL, STBD SIDE, FR 151 TO 154, INCLUDING					
THE TRANSVERSE BHD AT EACH END, WAS FOUND CORRODED.					
RECOMMENDED REPAIRS					
REMOVE CORROSION FROM SURFACES INDICATED ABOVE.					
PRIME AND PRESERVE 16 SF OF TERRA COTTA BILGE AREA.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY CLEANING GEAR LOCKER (4-151-3-A) BILGE AREA CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.f	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A101	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 4-160-0-Q	WORK CENTER EM04	JSN P027
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE SCRPTION: PER SEMAT INSPECTION OF SEWAGE HANDLING & BOILER ROOM (4-160-0-Q),					
APPROX. 10 SF OF SHELL PLATING ON THE STBDSIDE FROM FR 159 TO FR 164, FROM THE					
MARGIN PLATE WELD SEAM DOWN 24" WAS FOUND WASTED BELOW MINIMUM.					
RECOMMENDED REPAIRS					
REMOVE AND REPLACE APPROX 10 SF OF (.5") THICK SHELL PLATING DETAILED ABOVE					
ACCOMPLISH IN CONJUNCTION WITH EM04-P030, EM04-A259 AND EMO4-3250.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY SEWAGE HANDLING& BOILER ROOM (4-160-0-Q) SHELL PLATING WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 12311	EIC A809	APL N/A	RIC
EQUIPMENT NAME BULKHEADS, STRUCTURAL		IDENT/SERIAL N/A	LOCATION 4-160-0-Q	WORK CENTER EM04	JSN P030
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SPWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF SEWAGE HANDLING & BOILER ROOM (4-160-0-Q),					
APPROX. 5 SF OF THE 5-164-3-F TANK BHD PLATING ON THE STBDSIDE FROM FR 159 TO FR 164,					
FROM THE SHELL PLATE WELD SEAM UP 8" WAS FOUND WASTED BELOW MINIMUM. THE 5-164-3-F					
TANK BHD PLATING ON THE STBDSIDE, FROM FR 167 TO FR 172, FROM THE TANK TOP DOWN 8"					
TOWARD THE SHELL IS WASTED IN WAY OF THE BOILER FDN.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE TWO SECTIONS FOR A TOTAL OF APPROX 10 SF OF (.25") THICK TNK BHD					
PLATING AS INDICATED ABOVE. PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P027 AND EM04-3250.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY SEWAGE HANDLING & BOILER ROOM(4-160-0-Q) TNK BHD PLATE WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 12011	EIC A801	APL N/A	RIC
EQUIPMENT NAME BULKHEADS, STRUCTURAL		IDENT/SERIAL N/A	LOCATION 4-160-0-Q	WORK CENTER EM04	JSN 3250
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF SEWAGE HANDLING & BOILER ROOM (4-160-0-Q),					
APPROX. 4 SF OF THE TRANSVERSE BHD PLATING ON THE STBDSIDE AT FR 160, IN THE VEE					
BETWEEN THE SHELL AND THE TANK BHD (BILGE AREA), IS HOLED.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX 4 SF OF (.25") THICK BHD PLATING AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN CONJUNCTION WITH EM04-PO27					
AND EM04-P030.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY SEWAGE HANDLING& BOILER ROOM(4-160-0-Q) BHD PLATE WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

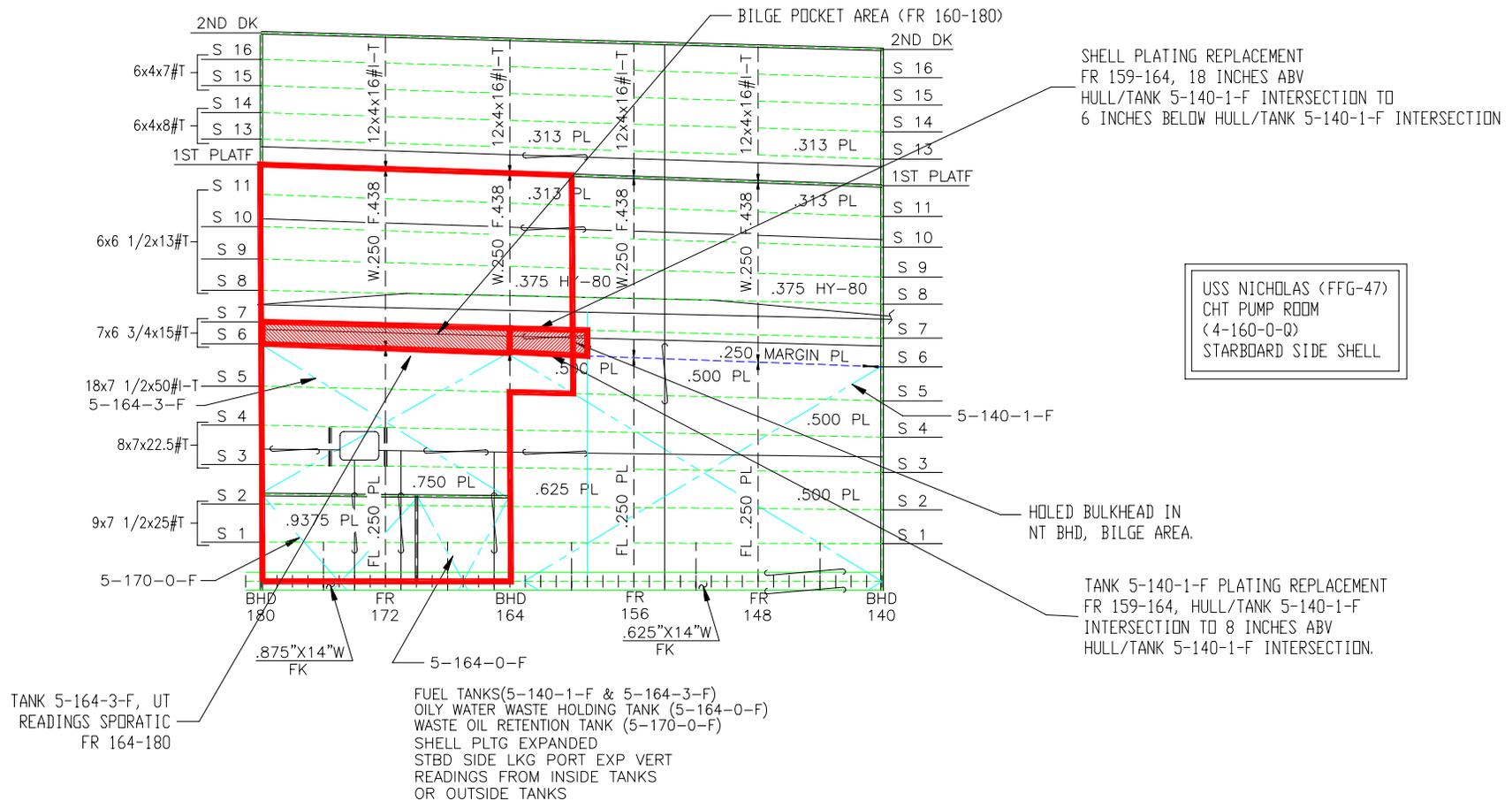
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 4-160-0-Q	WORK CENTER EMO4	JSN P046
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SPWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE
DISCREPANCY DE SCRPTION: PER SEMAT I INSPECTION OF SEWAGE HANDLING & BOILER ROOM (4-160-0-Q),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS FROM THE					
LOWER EDGE OF THE INSULATION UP TO AND INCLUDING THE FOURTH STIFFENER ABOVE THE TANK					
TOP, PORTSIDE, FR 160-180, WERE FOUND CORRODED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 80 SF OF SATURATED SHELL INSULATION. REMOVE CORROSION EXPOSED BY					
REMOVALS. PRIME AND PRESERVE SHELL FROM THE BILGE AREA UP TO THE INSULATION REMOVAL					
LINE. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED. PAINT INSULATION TO MATCH					
SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY SEWAGE HANDLING& BOILER ROOM (4-160-0-Q) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

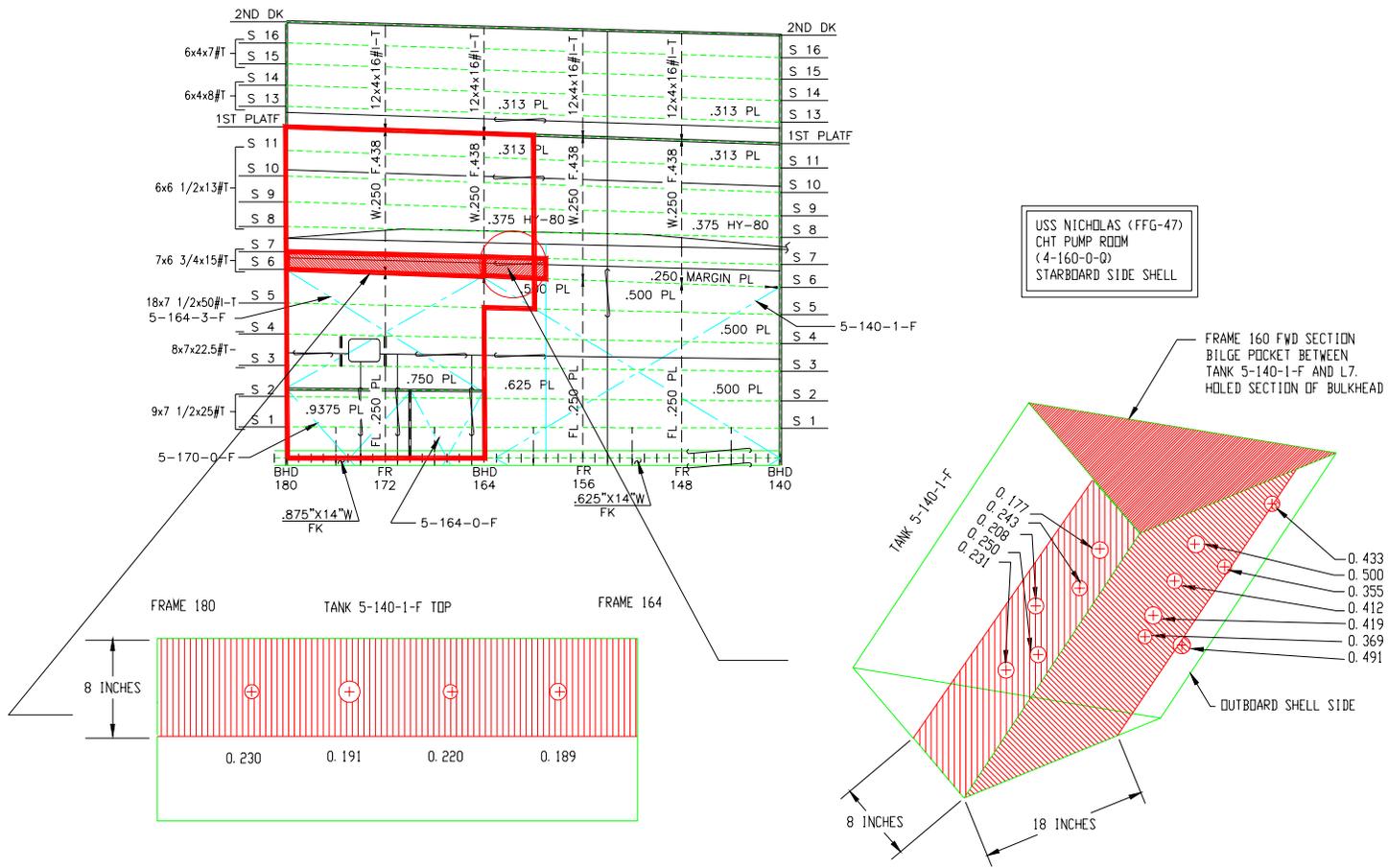
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 4-160-0-Q	WORK CENTER EMO4	JSN P047
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF SEWAGE HANDLING & BOILER ROOM (4-160-0-Q),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS FROM THE					
LOWER EDGE OF THE INSULATION UP TO AND INCLUDING THE FIFTH STIFFENER ABOVE THE TANK					
TOP, STBDSIDE, FR 160-172, WERE FOUND CORRODED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 120 SF OF SATURATED SHELL INSULATION. REMOVE CORROSION EXPOSED BY					
REMOVALS. PRIME AND PRESERVE SHELL AND INSTALL NEW INSULATION. PAINT INSULATION TO					
MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY SEWAGE HANDLING & BOILER ROOM (4-160-0-Q) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

CHT PUMP ROOM DIAGRAM



CHT PUMP ROOM DIAGRAM



Collection Holding Tank (CHT) Pump Room - 4-160-0-Q



Photo 7: FWD STARBOARD BILGE POCKET,
LOOKING DOWN/FWD/OUTBOARD



Photo 8: OVERBOARD DISCHARGE 4-172-1, SHELL
AND LONGITUDINAL DETERIORATION, LOOKING
OUTBOARD

Collection Holding Tank (CHT) Pump Room - 4-160-0-Q



Photo 9: PORTSIDE SHELL FRAME 171 AND
LONGITUDINAL No. 5 FROM OVERHEAD,
DETERIORATION, LOOKING OUTBOARD



Photo 10: PORTSIDE SHELL FRAME 178 AND
LONGITUDINAL No. 3 FROM OVERHEAD,
DETERIORATION, LOOKING AFT/OUTBD

Collection Holding Tank (CHT) Pump Room - 4-160-0-Q



Photo 11: FRAME 178, PORTSIDE, LOOKING AFT/DOWN



Photo 12: DETERIORATION BELOW OVBD DISCHARGE
4-172-2, LOOKING OUTBOARD/FORWARD

Collection Holding Tank (CHT) Pump Room - 4-160-0-Q



Photo 13: 4-172-1 OVBD DISCHARGE, STBD SIDE SHELL, LOOKING OUTBOARD



Photo 14: STBD SIDE SHELL AND FRAME 178, LOOKING AFT

Collection Holding Tank (CHT) Pump Room - 4-160-0-Q



Photo 15: STBD BILGE POCKET SHELL, UT AREA
LOOKING OUTBOARD/DOWN



Photo 16: STBD BILGE POCKET TANK PLATING,
UT AREA LOOKING INBOARD/DOWN

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A301	APL N/A	RIC
EQUIPMENT NAME SHELL & SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 4-172-1-E	WORK CENTER EMO4	JSN P048
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF FIRE PUMP ROOM (4-172-1-E),					
THE SHELL AND STIFFENERS FROM THE TANK TOP BHD, STBDSIDE, FR 172 TO 180, UP TO THE					
INSULATION WERE FOUND CORRODED.					
RECOMMENDED REPAIRS					
REMOVE CORROSION FROM SURFACES INDICATED ABOVE.					
PRIME AND PRESERVE SHELL FROM THE BILGE AREA UP TO THE INSULATION LINE. SURFACE					
COATING IN BILGE AREA IS APPROX. 32 SF. ANTISWEAT COATING AREA IS APPROX. 48SF.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY FIRE PUMP ROOM (4-172-1-E) SHELL & STIFFENERS CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A703	APL N/A	RIC
EQUIPMENT NAME SHELL & SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 4-172-1-E	WORK CENTER EMO4	JSN 3322
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF FIRE PUMP ROOM (4-172-1-E),					
THE FOUNDATION FOR NO. 1 FIRE PUMP WAS FOUND CORRODED.					
RECOMMENDED REPAIRS					
REMOVE CORROSION FROM SURFACES INDICATED ABOVE.					
PRIME AND PRESERVE FOUNDATION. (APPROX 30 SF OF TERRA COTTA SURFACE)					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY FIRE PUMP RM (4-172-1-E) FIRE PUMP NO. 1 FDN CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.d	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A303	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-51-0-Q	WORK CENTER EM04	JSN P040
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF EDUCATOR ROOM (5-51-0-Q),					
APPROX. 8 LF OF TRANSV STIFFENER AT FR 54 FROM L2 STBD TO L2 PORT IS WASTED AND					
DISINTEGRATING.					
RECOMMENDED REPAIRS					
REMOVE AND REPLACE APPROX. 8 LF OF 3 X 1 7/8" TEE DETAILED ABOVE. PRIME AND PRESERVE					
NEW AND DISTURBED SURFACES. ACCOMPLISH IN CONJUNCTION WITH EM04-042 AND EMO4-044.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY EDUCATOR ROOM(5-51-0-Q) TRANSV STIFFENER WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

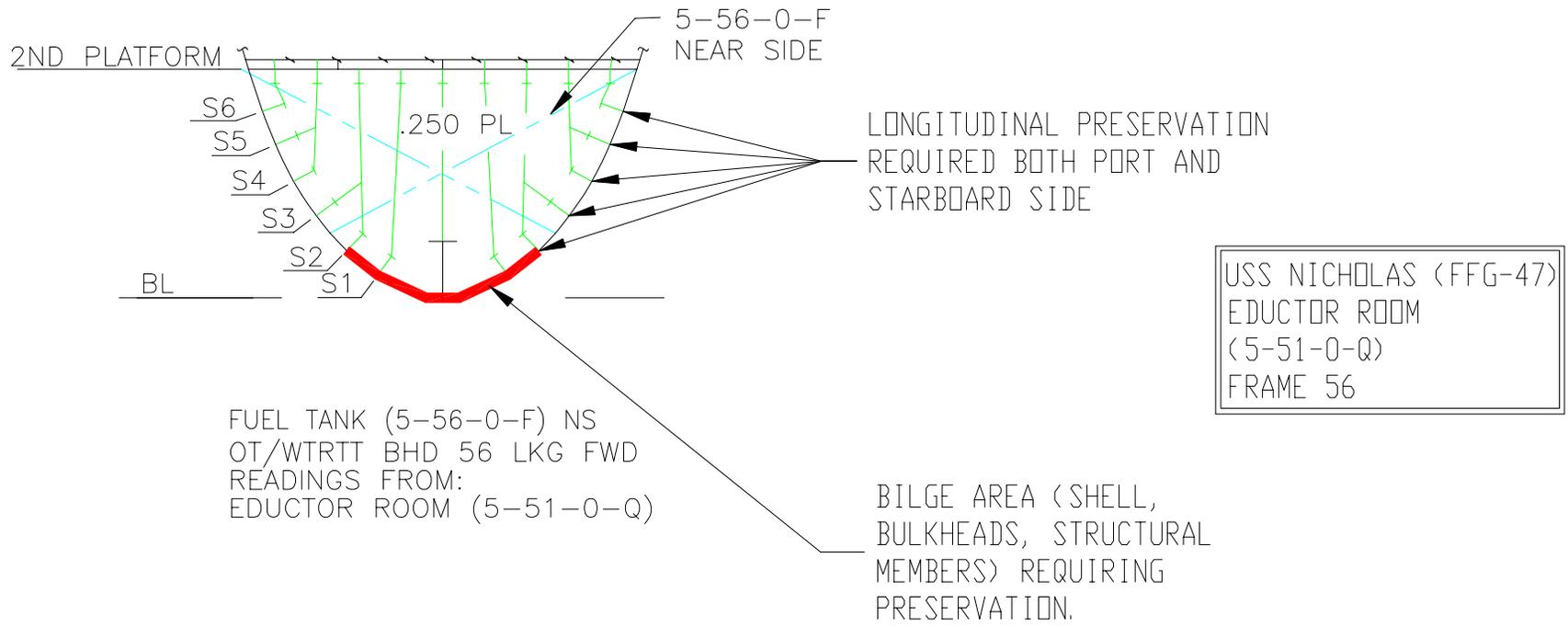
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM PAINTING		ESWBS 63511	EIC A101	APL N/A	RIC
EQUIPMENT NAME BILGE PAINTING		IDENT/SERIAL N/A	LOCATION 5-51-0-Q	WORK CENTER EMO4	JSN P042
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF EDUCTOR ROOM (5-51-0-Q) ,THE BILGE AREA AND THE SHELL, PORT AND STBD SIDES, FR 51 TO 56, WERE FOUND CORRODED.					
RECOMMENDED REPAIRS					
REMOVE CORROSION IN AREAS INDICATED ABOVE. PRIME AND PRESERVE APPROX 180 SF OF SHELL AND STRUCTURE, INCLUDING THE AREAS OF THE FWD AND AFT TRANSV BHDS IN WAY OF THE BILGES. APPROX. 120 SF IS ANTI-SWEAT COATING AND 60 SF IS TERRA COTTA. ACCOMPLISH IN CONJUNCTION WITH EM04- P044 AND EM04-P040.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY EDUCTOR ROOM (5-51-0-Q) BILGE AREAS CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.f	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

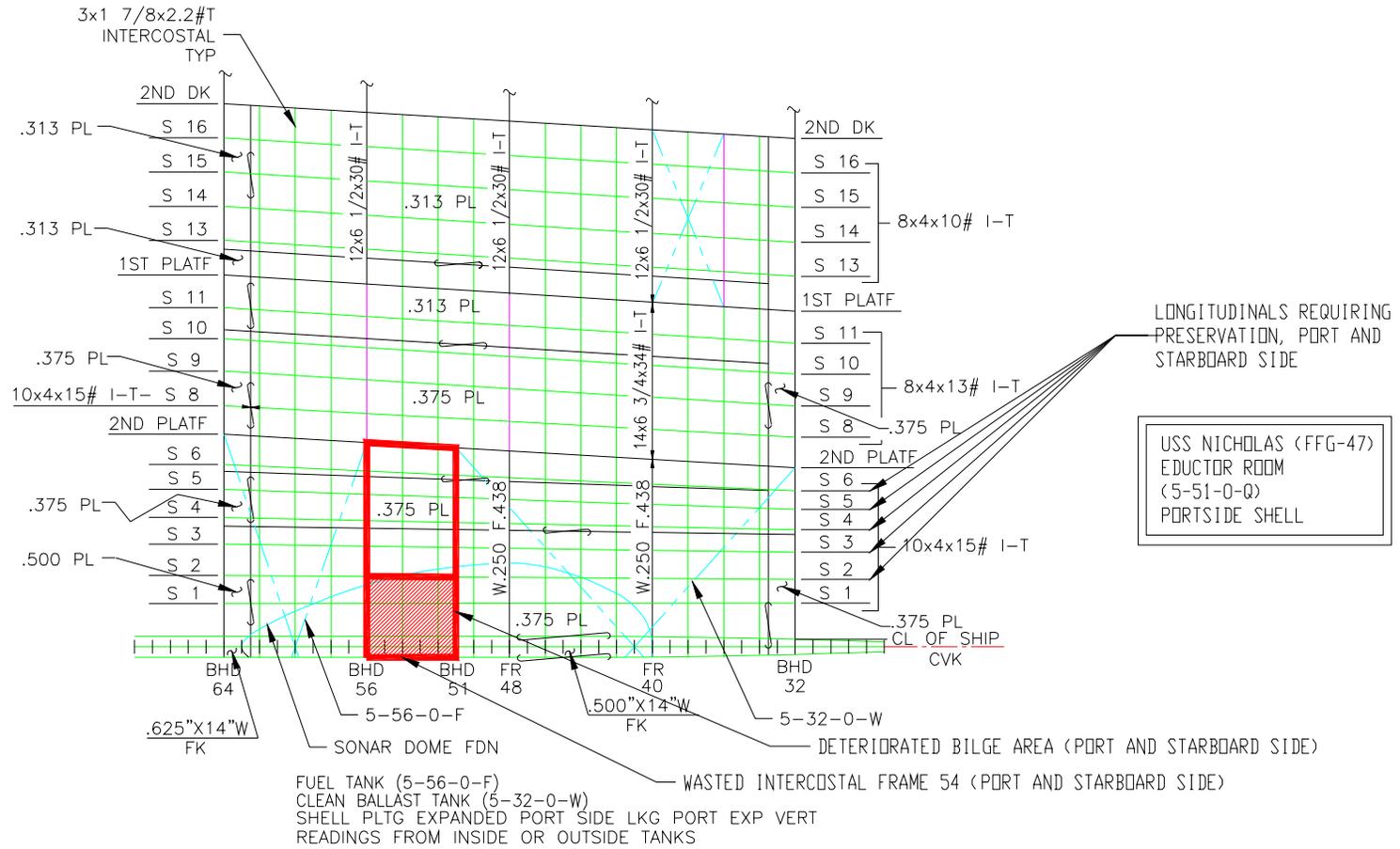
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM FLOOR PLATES AND GRATES		ESWBS 62211	EIC 1404	APL N/A	RIC
EQUIPMENT NAME MACHINERY SPACES		IDENT/SERIAL N/A	LOCATION 5-51-0-Q	WORK CENTER EM04	JSN P044
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE SCRPTION: PER SEMAT INSPECTION OF EDUCTOR ROOM (5-51-0-Q),					
APPROX. 12 LF OF THE DECK PLATE SUPPORT ANGLES OVER THE BILGE AREA AT CENTERLINE.					
ARE SEVERELY WASTED.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX 8 LF OF 3 X 3 X ¼ ANGLE AND 4 LF OF 4 X 4 X ¼ ANGLE AS					
INDICATED ABOVE. PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P040 AND EM04-P042.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY EDUCTOR ROOM (5-51-0-Q) DECK PLATE SUPPORTS WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.c	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

EDUCTOR ROOM DIAGRAM



EDUCTOR ROOM DIAGRAM



Forward Eductor Room 5-51-0-Q



Photo 17: DETERIORATED AFT PORTSIDE BILGE
POCKET, SHELL, LOOKING DOWN/OUTBOARD



Photo 18: DETERIORATED AFT PORTSIDE BILGE
POCKET, SHELL, LOOKING DOWN/OUTBOARD

Forward Eductor Room

5-51-0-Q



Photo 19: AFT STBD BILGE POCKET SHELL BELOW EDUCTOR, LOOKING DOWN/OUTBOARD



Photo 20: AFT PORT BILGE POCKET, FRAME 56, LOOKING DOWN/AFT

Forward Eductor Room 5-51-0-Q



Photo 21: THINNED PORTSIDE BILGE AREA
DECK PLATE SUPPORT AND FRAMING,
LOOKING FORWARD



Photo 22: PORTSIDE
SHELL AND
LONGITUDINALS
DETERIORATED,
LOOKING
OUTBOARD

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A101	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-180-0-E	WORK CENTER EM04	JSN P005
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE SCRPTION: PER SEMAT INSPECTION OF AMR NO. 1 (5-180-0-E),					
THE SHELL AND STRUCTURE IN WAY OF THE FIXED BALLAST IS INACCESSIBLE FOR MAINTENANCE					
OR INSPECTION. CORROSION IS VISIBLE AROUND THE EDGES OF THE BALLAST FRAMEWORK. SEE					
ATTACHED SKETCH FOR LOCATIONS.					
RECOMMENDED REPAIRS					
REMOVE FIXED BALLAST. REMOVE CORROSION FROM FDNS, SHELL AND STRUCTURE. ACCOMPLISH					
UT SURVEY OF AREAS EXPOSED BY REMOVALS. PRIME AND PRESERVE EXPOSED SHELL AND					
STRUCTURE. REINSTALL FIXED BALLAST AS REQUIRED					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 1 (5-180-0-E) SHELL CORRODED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A301	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-180-0-E	WORK CENTER EM04	JSN P007
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE SCRPTION: PER SEMAT INSPECTION OF AMR NO. 1 (5-180-0-E)					
LONGITUDINAL L6 PORT (7 X 6 3/4 X 15#) IS SEVERELY WASTED FROM FR 202 TO 204 AND					
LONGITUDINALS L7 (7 X 6 3/4 X 15#) & L8 (6 X 6 1/2 X 13#) PORT ARE SEVERELY WASTED FROM FR 196					
TO 204.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX (10) LF OF 7 X 6 3/4 X 15# TEE AND (8) LF OF 6 X 6 1/2 X 13# TEE AS					
INDICATED ABOVE. PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P010 AND EM04-P014.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 1 (5-180-0-E) STIFFENERS WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

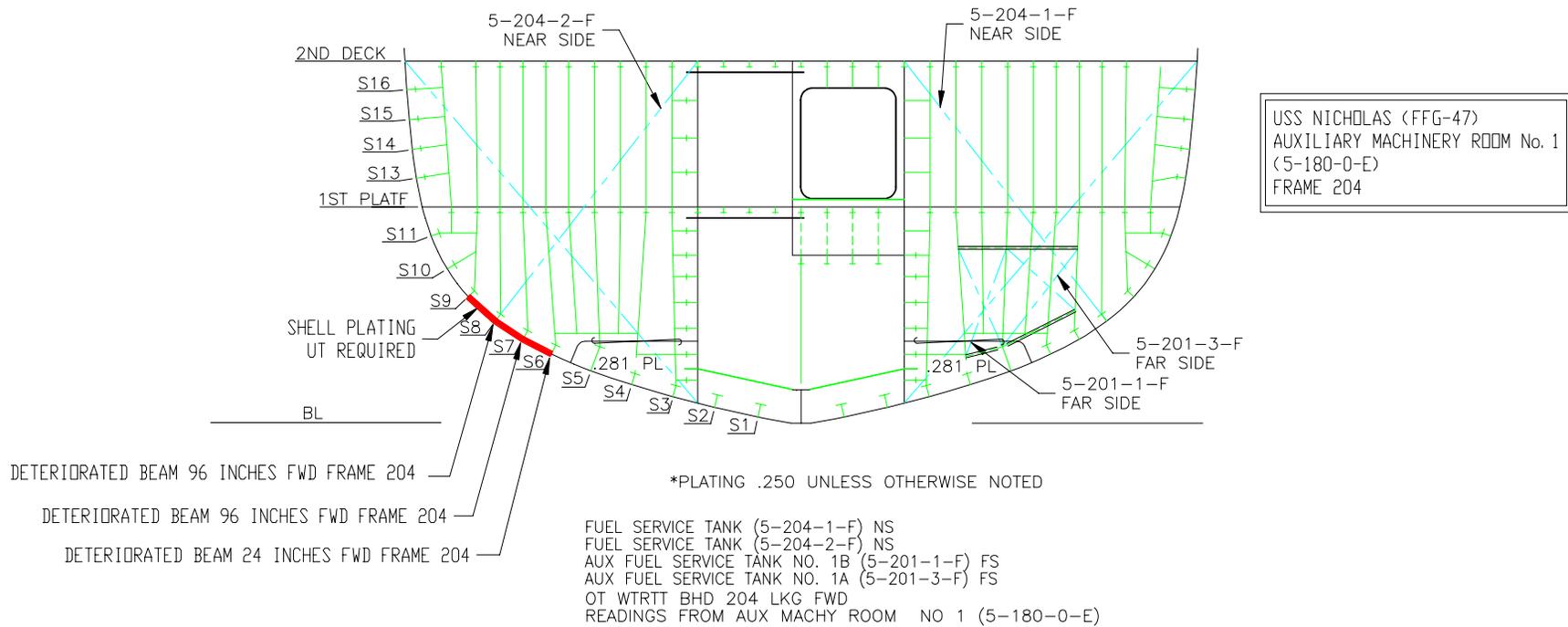
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM PAINTING		ESWBS 63111	EIC A101	APL N/A	RIC
EQUIPMENT NAME BILGE PAINTING		IDENT/SERIAL N/A	LOCATION 5-180-0-E	WORK CENTER EMO4	JSN P010
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 1 (5-180-0-E), THERE IS GENERAL PAINT					
FAILURE AND CORROSION THROUGHOUT THE BILGE AREAS, INCLUDING THE FWD AND AFT BHDS IN					
WAY OF THE BILGE AREAS. BILGE AREA IS DEFINED AS THE AREA FROM L9 PORT TO L9 STBD AND					
ADJACENT BHDS.					
RECOMMENDED REPAIRS					
ACCOMPLISH AN ACID AND POWER TOOL CLEANING OF THE BILGE AREAS. PRIME AND PRESERVE					
SHELL, STRUCTURE AND TANK BHDS, INCLUDING THE AREAS OF THE FWD AND AFT TRANSV BHDS IN					
WAY OF THE BILGES. AREA IS APPROXIMATELY 2400 SF OF TERRA COTTA SURFACES					
ACCOMPLISH IN CONJUNCTION WITH EM04- P007 AND EMO4-P014.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY AMR NO. 1 (5-180-0-E) BILGE AREAS CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.f	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

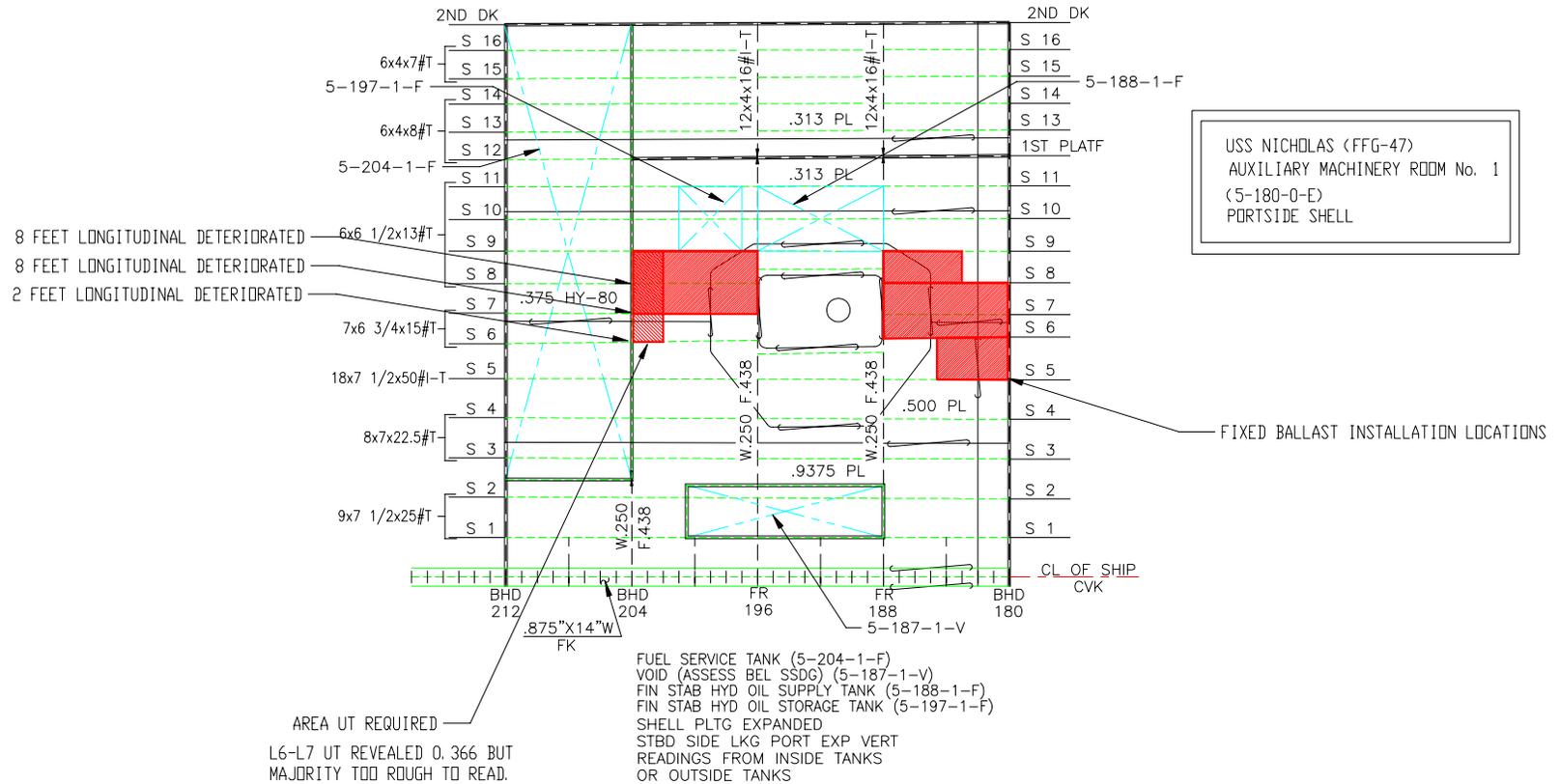
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A101	APL N/A	RIC
EQUIPMENT NAME SHELL & SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-180-0-E	WORK CENTER EMO4	JSN P014
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 1 (5-180-0-E), THERE IS HEAVY CORROSION ON THE SHELL BETWEEN L9 PORT AND L6 PORT, FROM FR 202 TO FR 204, PORTSIDE. SURFACE IS TOO ROUGH TO UT. SCALING IS SIGNIFICANT ENOUGH TO SUSPECT THE SHELL IS WASTED BELOW MINIMUM.					
RECOMMENDED REPAIRS					
POWER TOOL CLEAN SUSPECT AREA. ACCOMPLISH AN UT SURVEY OF AREA INDICATED ABOVE. ACCOMPLISH IN CONJUNCTION WITH EM04- P007 AND EM04-P010.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY AMR NO. 1 (5-180-0-E) BILGE AREAS CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

AMR No. 1 FRAME 204 STRUCTURE DIAGRAM



AMR No. 1 PORTSIDE SHELL STRUCTURE DIAGRAM



Auxiliary Machinery Room No. 1 (AMR 1) 5-180-0-E



Photo 23: PORTSIDE FRAME 204 AND LONGITUDINAL No. 7 AND 8 DETERIORATION, BALLAST, LOOKING AFT/OUTBOARD



Photo 24: PORTSIDE FRAME 204 AND LONGITUDINAL No. 6 TO 8 DETERIORATION, LOOKING DOWN/AFT

Auxiliary Machinery Room No. 1 (AMR 1) 5-180-0-E



Photo 25: PORTSIDE FRAME 196, LONGITUDINAL
No. 7 AND 8, BALLAST, LOOKING FWD



Photo 26: PORTSIDE FRAME 180, LONGITUDINAL
No. 5 AND 6, BALLAST, LOOKING OUTBOARD

Auxiliary Machinery Room No. 1 (AMR 1) 5-180-0-E



Photo 27: DETERIORATION AT FRAME 180 PORTSIDE LONGITUDINAL No. 6 AND 7, SSDG JW FUNNEL, LOOKING FORWARD

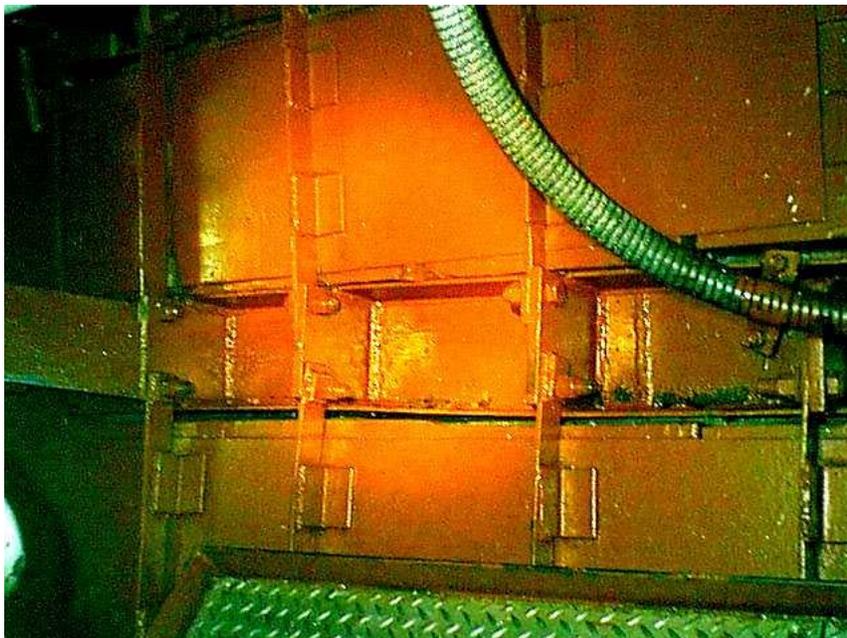


Photo 28: BALLAST FRAME 180 TO 188 PORTSIDE DETERIORATION AT LONGITUDINALS, LOOKING OUTBOARD/AFT

Auxiliary Machinery Room No. 1 (AMR 1) 5-180-0-E



Photo 29: FRAME 204 PORTSIDE FILLED FUNNEL
LOOKING OUTBOARD/AFT



Photo 30: UT AREA, FRAME 204 PORTSIDE SHELL
PLATING BETWEEN LONGITUDINAL No. 6 AND 7
LOOKING DOWN/AFT

Auxiliary Machinery Room No. 1 (AMR 1) 5-180-0-E



Photo 29: FRAME 204 PORTSIDE FILLED FUNNEL
LOOKING OUTBOARD/AFT



Photo 30: UT AREA, FRAME 204 PORTSIDE SHELL
PLATING BETWEEN LONGITUDINAL No. 6 AND 7
LOOKING DOWN/AFT

Auxiliary Machinery Room No. 1 (AMR 1) 5-180-0-E



Photo 31: LONGITUDINAL No. 6 AFT OF FRAME 204
LOOKING INBOARD

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A301	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EM04	JSN P015
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 2 (5-212-0-E)					
LONGITUDINAL L8 PORT (6 X 6 1/2 X 13#) IS SEVERELY WASTED FROM FR 216 TO 220 AND					
LONGITUDINAL L9 (6 X 6 1/2 X 13#) IS SEVERELY WASTED FROM FR 212 TO FR 214, UNDER					
OVD VALVE MD-V24-5-212-2.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX. (6) LF OF 6 X 6 1/2 X 13# TEE AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P018, P022, P026 AND P029.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 2 (5-212-0-E) STIFFENERS WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A301	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EM04	JSN P018
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 2 (5-212-0-E) THE LONGITUDINAL					
STIFFENERS FROM L5 TO L12, PORT AND STBD SIDES, FR 212 TO FR 226, NEED WEEP HOLES.					
RECOMMENDED REPAIRS					
CUT WEEP HOLES IN STIFFENERS AS DIRECTED BY FTSC/LANT.					
PRIME AND PRESERVE DISTURBED AREAS. ACCOMPLISH IN CONJUNCTION WITH EM04-P015, P022, P026 AND P029.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 2 (5-212-0-E) STIFFENERS NEED DRAINAGE HOLES				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM PAINTING		ESWBS 63111	EIC A101	APL N/A	RIC
EQUIPMENT NAME BILGE PAINTING		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EMO4	JSN P022
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			4
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF AMR NO. 2 (5-212-0-E), THERE IS GENERAL PAINT FAILURE AND CORROSION THROUGHOUT THE BILGE AREAS, INCLUDING THE FWD AND AFT BHDS IN WAY OF THE BILGE AREAS. BILGE AREA IS DEFINED AS THE AREA FROM L12 PORT TO L12 STBD AND ADJACENT BHDS, FROM FR 212 TO 250, INCLUDING STRUCTURE ATTACHED TO THE SHELL. THE BILGE AREAS OF THE DIESEL ENCLOSURES IS ALSO INCLUDED.					
RECOMMENDED REPAIRS					
ACCOMPLISH AN ACID AND POWER TOOL CLEANING OF THE BILGE AREAS. PRIME AND PRESERVE SHELL, STRUCTURE AND TANK BHDS, INCLUDING THE AREAS OF THE FWD AND AFT TRANSV BHDS IN WAY OF THE BILGES. AREA IS APPROXIMATELY 3200 SF OF TERRA COTTA SURFACES					
ACCOMPLISH IN CONJUNCTION WITH EM04- P015, P018, P026 AND P029.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY AMR NO. 2 (5-212-0-E) BILGE AREAS CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.f	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A101	APL N/A	RIC
EQUIPMENT NAME SHELL & SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EMO4	JSN P026
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DE SCRPTION: PER SEMAT INSPECTION OF AMR NO. 2 (5-212-0-E), THERE IS DEEP PITTING ON THE SHELL BETWEEN L3 PORT AND L5 PORT, FROM FR 228 TO FR 233, PORTSIDE. THE ROOT CAUSE IS SALTWATER LEAKAGE FROM THE PUMP AND STRAINERS FOR THE SSDG CLG SYSTEM. STBD AREA IS SATISFACTORY.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX 30 SF OF 1/2" SHELL PLATING AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND DISTURBED AREAS. ACCOMPLISH IN CONJUNCTION WITH EM04-P015, P018 AND P029.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY AMR NO. 2 (5-212-0-E) SHELL PLATING WASTED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

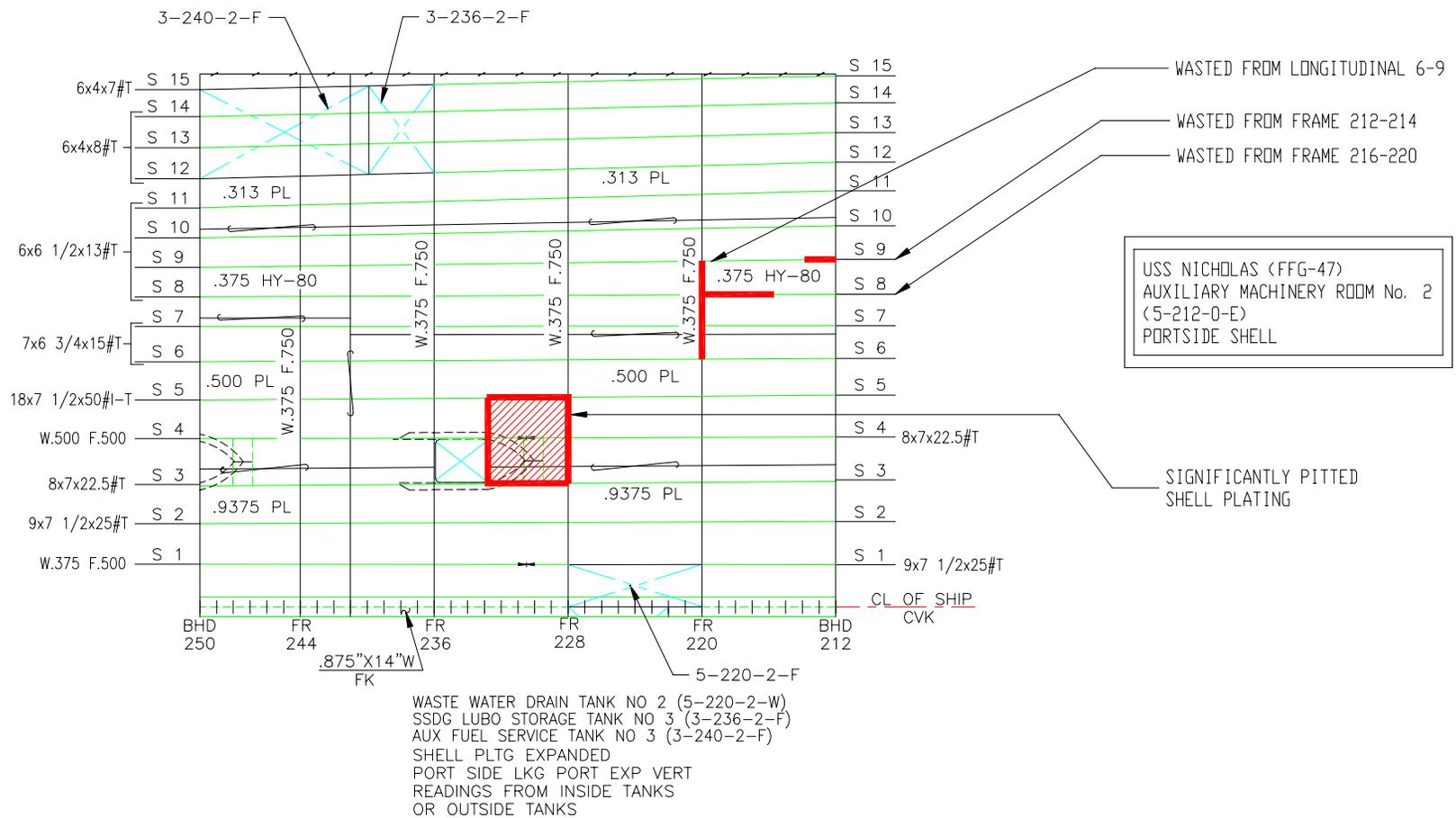
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A303	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EM04	JSN P029
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 2 (5-212-0-E)					
THE FLANGE OF THE TRANSVERSE DEEP WEB AT FR 220, FROM LONGITUDINAL L6 PORT TO L9 PORT IS SEVERELY WASTED					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX. (6) LF OF 6 X 3/4" THK FLATBAR FLANGE AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P015, P018, P022 AND P026.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 2 (5-212-0-E) TRANSV WEB FLANGE WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

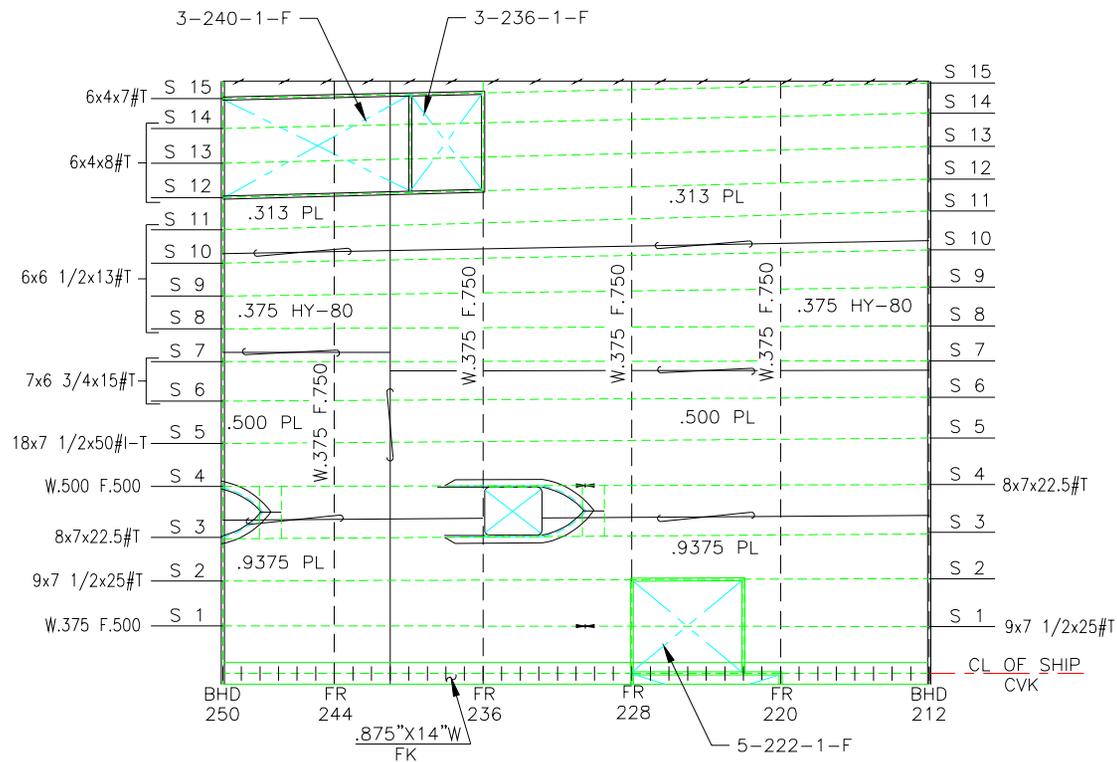
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EMO4	JSN P032
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF AMR NO. 2 (5-212-0-E),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS FROM THE					
LOWER EDGE OF THE INSULATION UP TO L16, FROM FR 212 TO 226, PORT AND STBD SIDES, WERE					
CORRODED. THE ADJACENT 12" OF INSULATION ON THE FWD AND AFT BHDS IS ALSO SATURATED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 400 SF OF SATURATED SHELL AND BHD INSULATION.					
REMOVE CORROSION EXPOSED BY REMOVALS. PRIME AND PRESERVE SHELL AND STRUCTURE					
EXPOSED BY INSULATION REMOVALS. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED. PAINT					
SURFACES TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY AMR NO. 2 (5-212-0-E) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

AMR No. 2 PORTSIDE STRUCTURAL DIAGRAM



AMR No. 2 STARBOARD SIDE STRUCTURAL DIAGRAM



USS NICHOLAS (FFG-47)
 AUXILIARY MACHINERY ROOM No. 2
 (5-212-0-E)
 STARBOARD SIDE SHELL

NOTE: NO SHELL AREAS OF STRUCTURALLY SIGNIFICANT DAMAGE OR DETERIORATION.

OILY WATER DRAIN TANK NO 2 (5-222-1-F)
 SSDG LUBO STORAGE TANK NO 2 (3-236-1-F)
 AUX FUEL SERVICE TANK NO 2 (3-240-1-F)
 SHELL PLTG EXPANDED
 STBD SIDE LKG PORT EXP VERT
 READINGS FROM INSIDE TANKS
 OR OUTSIDE TANKS

Auxiliary Machinery Room No. 2 (AMR 2) 5-212-0-E



Photo 32: LOWER LEVEL PORTSIDE BELOW HPAC,
DETERIORATED FOUNDATION, LOOKING UP/OUTBOARD



Photo 33: LOWER
LEVEL PORTSIDE
BELOW HPAC,
TOP OF FRAME
220 TRANSVERSE
MEMBER,
DETERIORATED
FLANGE,
LOOKING
OUTBOARD

Auxiliary Machinery Room No. 2 (AMR 2) 5-212-0-E

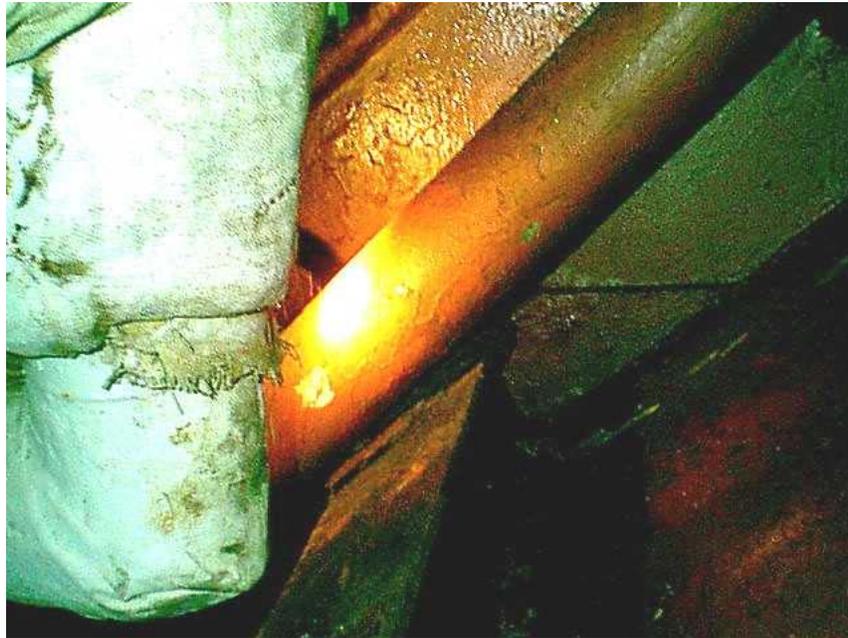


Photo 34: PORTSIDE FRAME 220 AND LONGITUDINAL No. 8 DETERIORATION, LOOKING AFT



Photo 35: UT SECTION OF PORTSIDE FRAME 220 AND LONGITUDINAL No. 8, LOOKING AFT

Auxiliary Machinery Room No. 2 (AMR 2) 5-212-0-E



Photo 36: PORTSIDE UPPER LEVEL, HPAC LEAKING
DRAIN SYSTEM, FRAME 220, LOOKING OUTBOARD

Auxiliary Machinery Room No. 2 (AMR 2) 5-212-0-E



Photo 37: UPPER
LEVEL PORTSIDE
SHELL AND
LONGITUDINALS
IMPACTED BY
COOLING WATER
OVBD VALVE,
LOOKING AFT /
OUTBOARD
BEHIND HPAC



Photo 38: LOWER LEVEL PORTSIDE SHELL AND
LONGITUDINALS IMPACTED BY COOLING WATER
OVBD VALVE, LOOKING DOWN BEHIND HPAC

Auxiliary Machinery Room No. 2 (AMR 2) 5-212-0-E



Photo 39: LOWER
LEVEL
STARBOARD SIDE
BELOW LPAC,
DETERIORATION
LOOKING
UP/INBOARD/AFT



Photo 40: SHELL AND LONGITUDINAL No. 6 TO 8
BELOW LPAC STBD SIDE LOWER LEVEL,
FRAME 220, LOOKING FWD/OUTBOARD/DOWN

Auxiliary Machinery Room No. 2 (AMR 2) 5-212-0-E



Photo 41: PITTED SHELL FORWARD OF SSDG SW CLG PUMP SEA CHEST, PORTSIDE BTWN LONGITUDINAL No.3 AND 4, LOOKING DOWN/AFT



Photo 42: PITTED SHELL FWD/OUTBOARD SSDG SW CLG PUMP SEA CHEST, PORTSIDE BTWN LONGITUDINAL No. 4 and 5, LOOKING OUTBOARD

Auxiliary Machinery Room No. 2 (AMR 2) 5-212-0-E

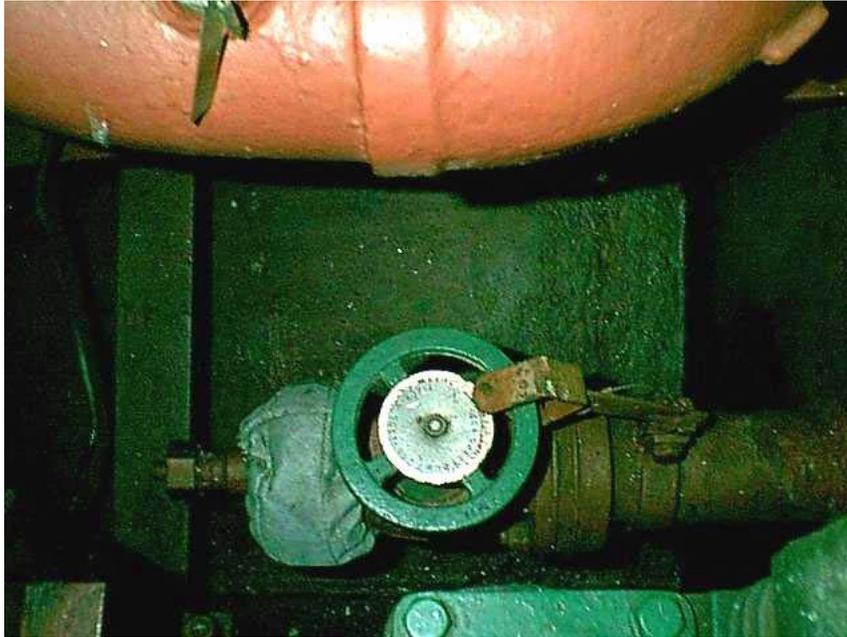


Photo 43: COMPARISON OF SHELL FORWARD OF SSDG SW CLG PUMP SEA CHEST, STBD SIDE BTWN LONGITUDINAL No.3 AND 4, LOOKING DOWN/OUTBOARD

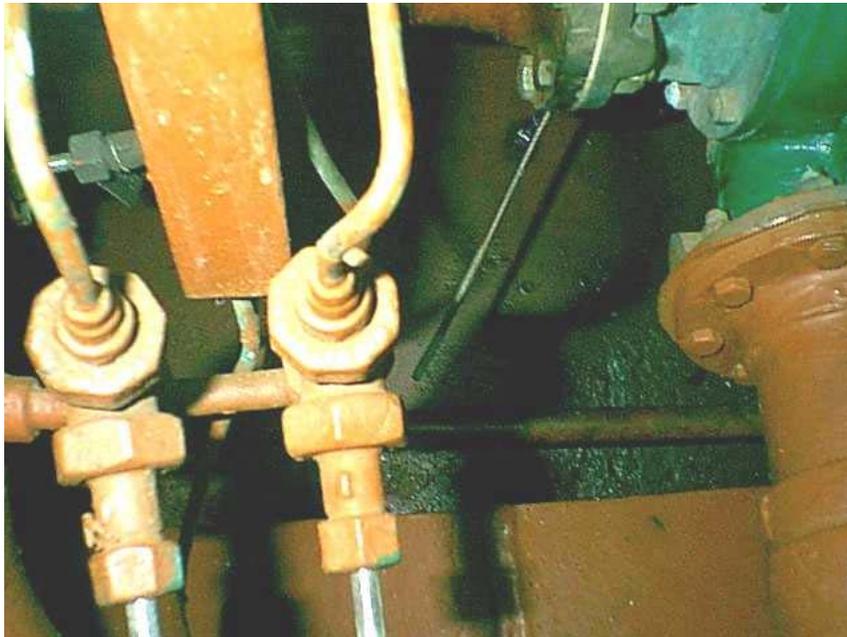


Photo 44: COMPARISON OF SHELL FWD/OUTBOARD SSDG SW CLG PUMP SEA CHEST, STBD SIDE BTWN LONGITUDINAL No. 4 and 5, LOOKING OUTBOARD

SSDG No 2 ENCLOSURE 5-226-1-E



Photo 45: UNPRESERVED HULL AND STRUCTURAL MEMBERS BEHIND THE START AIR FLASK FORWARD STARBOARD SIDE LOOKING OUTBOARD.

TYPICAL FOR SSDG No 1 ENCLOSURE 5-180-01-E
SSDG No 3 ENCLOSURE 5-226-2-E
SSDG No 4 ENCLOSURE 3-292-2-E

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A101	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EM04	JSN P034
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF MER (5-250-0-E), THE SHELL AND STRUCTURE					
IN WAY OF THE FIXED BALLAST IS INACCESSIBLE FOR MAINTENANCE OR INSPECTION.					
CORROSION IS VISIBLE AROUND THE EDGES OF THE BALLAST FRAMEWORK. SEE					
ATTACHED SKETCH FOR LOCATIONS.					
RECOMMENDED REPAIRS					
REMOVE FIXED BALLAST. REMOVE CORROSION FROM FDNS, SHELL AND STRUCTURE. ACCOMPLISH					
UT SURVEY OF AREAS EXPOSED BY REMOVALS. PRIME AND PRESERVE EXPOSED SHELL AND					
STRUCTURE. REINSTALL FIXED BALLAST AS REQUIRED					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY MER (5-250-0-E) SHELL CORRODED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS		RATE LT	PHONE
BLUEPRINTS, TECH MANUALS, PLANS, ETC.					ON BOARD YES NO
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A301	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EM04	JSN P036
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF MER (5-250-0-E)					
LONGITUDINALS L11(6 X 6 1/2 X 13#), L12(6 X 6 1/2 X 13#) AND L13(6 X 4 X 8#) PORT ARE SEVERELY					
WASTED FROM FR 270 TO FR 272. ROOT CAUSE IS INACCESSABILITY FOR MAINTENANCE.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX (4) LF OF 6 X 6 1/2 X 13# TEE AND (4) LF OF 6 X 4 X 8# TEE AS					
INDICATED ABOVE. PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P037.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY MER (5-250-0-E) STIFFENERS WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

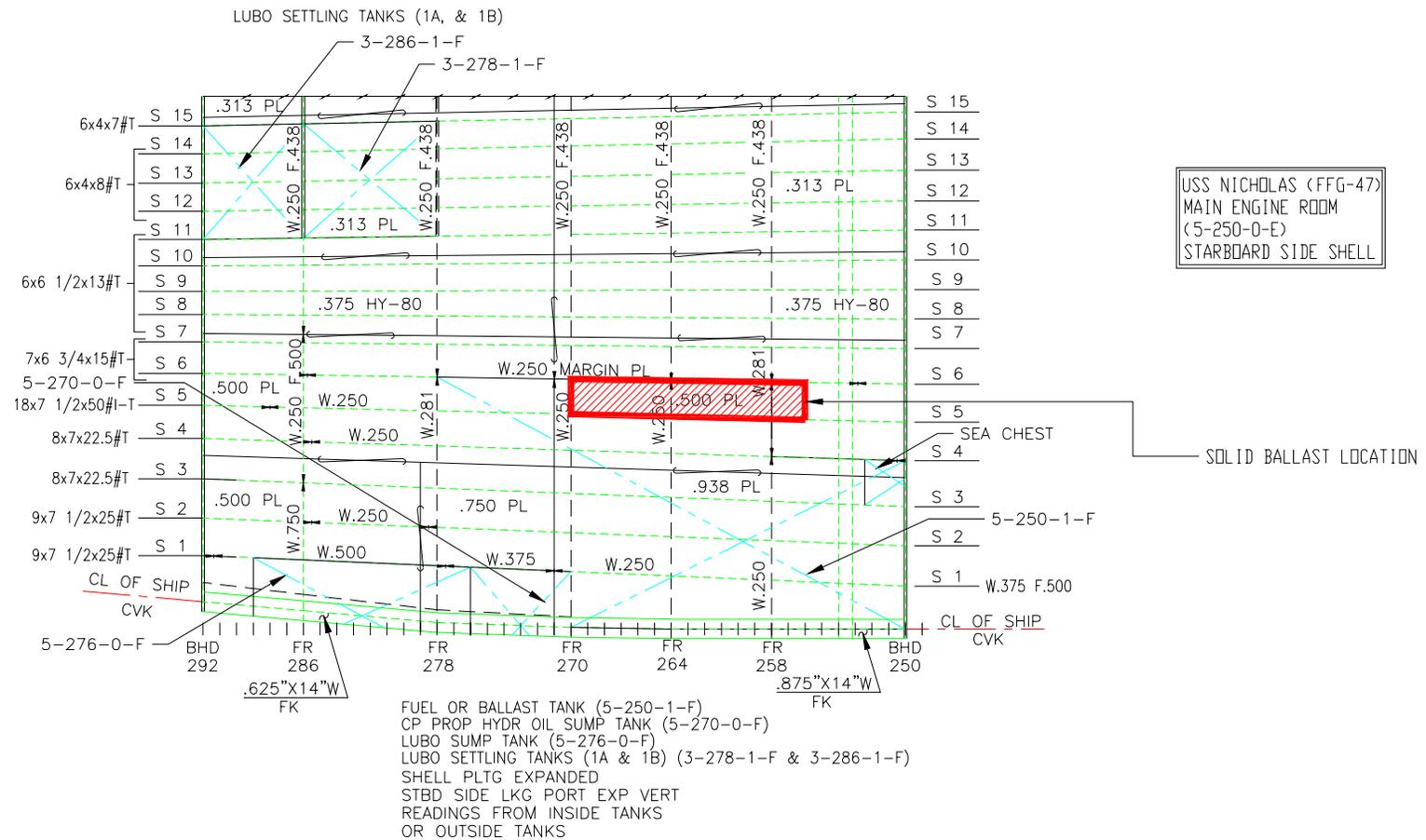
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A101	APL N/A	RIC
EQUIPMENT NAME SHELL & SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EMO4	JSN P037
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DE SCRPTION: PER SEMAT INSPECTION OF MER (5-250-0-E), THERE IS HEAVY CORROSION					
ON THE SHELL BETWEEN L11 AND L13 PORT, FROM FR 270 TO FR 272, PORTSIDE. SURFACE IS					
TOO ROUGH TO UT. SCALING IS SIGNIFICANT ENOUGH TO SUSPECT THE SHELL IS WASTED BELOW					
MINIMUM. ROOT CAUSE IS INACCESSIBILITY.					
RECOMMENDED REPAIRS					
POWER TOOL CLEAN SUSPECT AREA. ACCOMPLISH AN UT SURVEY OF AREA INDICATED ABOVE.					
PRIME AND PRESERVE DISTURBED SURFACES. ACCOMPLISH IN CONJUNCTION WITH EM04- P036.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY MER (5-250-0-E) SHELL PLATING CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EMO4	JSN P039
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF MER (5-250-0-E),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS FROM THE					
LOWER EDGE OF THE INSULATION UP TO L16, FROM FR 250 TO 288, PORT AND STBD SIDES, WERE					
CORRODED. THE ADJACENT 12" OF INSULATION ON THE FWD AND AFT BHDS IS ALSO SATURATED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 880 SF OF SATURATED SHELL AND BHD INSULATION.					
REMOVE CORROSION EXPOSED BY REMOVALS. PRIME AND PRESERVE SHELL AND STRUCTURE					
EXPOSED BY INSULATION REMOVALS. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED.					
PAINT SURFACES TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY MER (5-250-0-E) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MER STARBOARD SIDE STRUCTURAL DIAGRAM



Main Engine Room (MER) 5-250-0-E

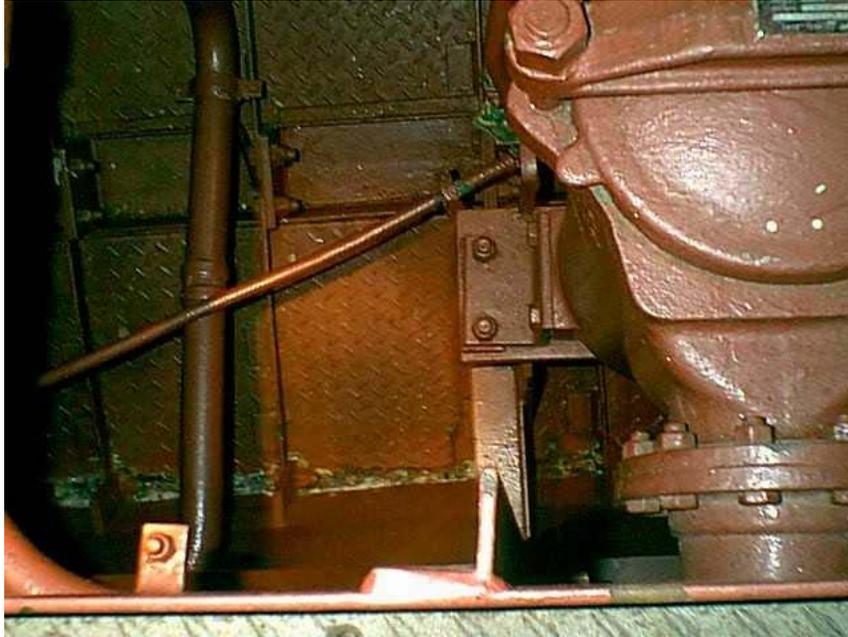


Photo 46: LOWER LEVEL PORTSIDE BELOW DECK PLATES, AFT OF SW STRAINER 1B GTM, BALLAST,

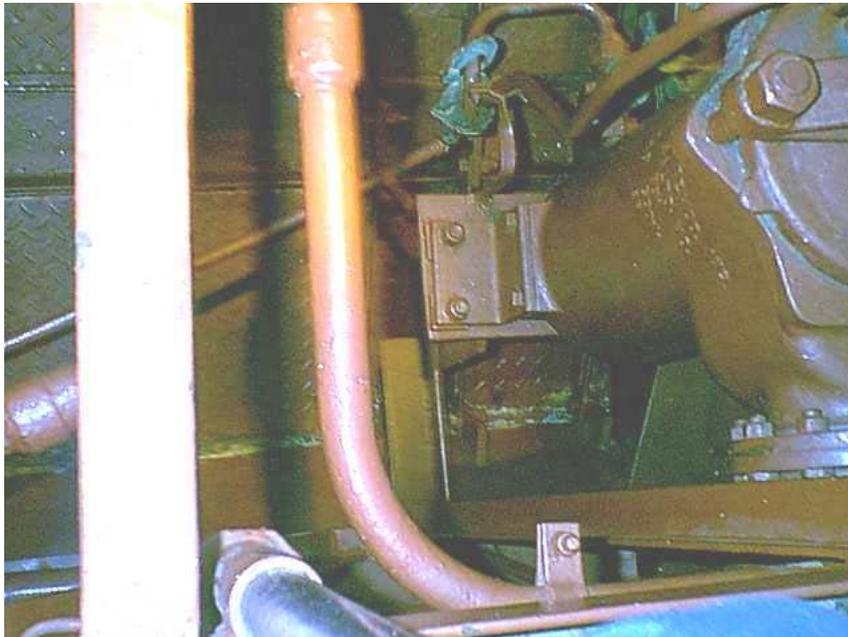


Photo 47: LOWER LEVEL PORTSIDE BELOW DECK PLATES, AFT OF SW STRAINER 1B GTM, BALLAST,

Main Engine Room (MER) 5-250-0-E



Photo 48: LOWER LEVEL
PORTSIDE FWD 1A LUBE OIL
STORAGE TANK,
DETERIORATED
LONGITUDINAL No. 4, 5 AND
6 FROM OVERHEAD,
LOOKING
OUTBOARD/DOWN

Photo 49: LOWER LEVEL
PORTSIDE FWD 1A LUBE OIL
STORAGE TANK,
DETERIORATED
LONGITUDINAL No. 4, 5 AND 6
FROM OVERHEAD, LOOKING
OUTBOARD/DOWN (SHOWING
AFT END OF PRAIRIE MASKER
AIR COOLER-PMAC.)



Main Engine Room (MER) 5-250-0-E



Photo 50: LOWER LEVEL PORTSIDE FWD 1A LUBE OIL STORAGE TANK, DETERIORATED LONGITUDINAL No. 5 FROM OVERHEAD, LOOKING OUTBOARD/DOWN/FWD (SHOWING AFT END OF PMAC).



Photo 51: LOWER LEVEL AFT FRAME 259, SHELL AND LONGITUDINAL CONDITION OUTBOARD AND FWD OF PMAC, LOOKING OUTBOARD.

Main Engine Room (MER) 5-250-0-E



Photo 52: LOWER LEVEL FRAME 264 STBD SIDE
DETERIORATION BELOW GTRB CLR OBVD
DISCHARGE, LOOKING OUTBOARD/AFT



Photo 53: LOWER LEVEL FRAME 264 STBD SIDE
DETERIORATION BELOW GTRB CLR OBVD
DISCHARGE, LOOKING DOWN/OUTBOARD/AFT

Main Engine Room (MER) 5-250-0-E



Photo 54: LOWER LEVEL STBDSIDE FWD FRAME 263,
SHELL AND LONGITUDINAL, DETERIORATION,
LOOKING DOWN/AFT/OUTBOARD



Photo 55: STBD SIDE BILGE BALLAST AREA, FWD
FRAME 262, SALT BUILDUP, LOOKING DOWN/AFT

Main Engine Room (MER) 5-250-0-E



Photo 56: WELL PRESERVED BILGE AREA, STBD SIDE BELOW ESCAPE TRUNK, LOOKING OUTBOARD/DOWN

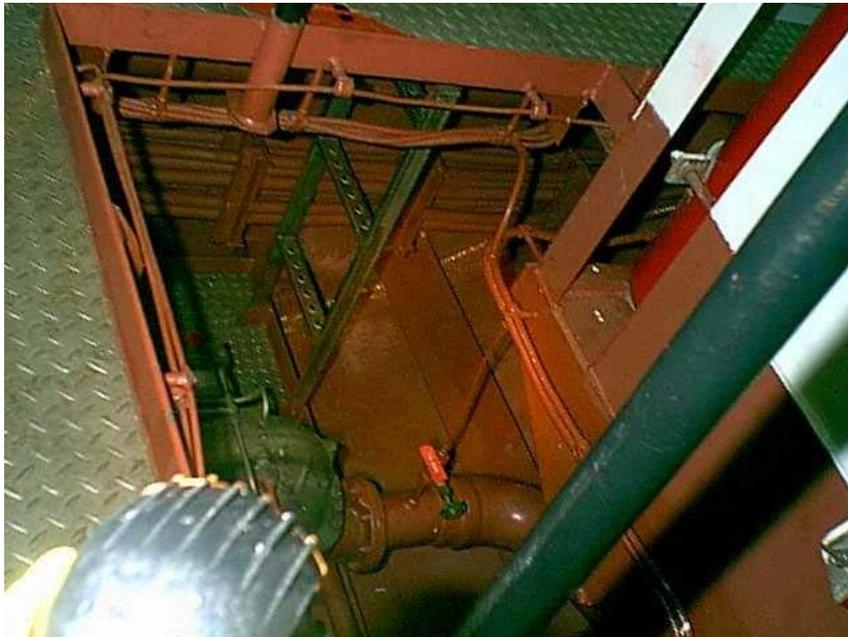


Photo 57: WELL PRESERVED BILGE AREA, STBD SIDE FORWARD ESCAPE TRUNK, LOOKING FWD/OUTBOARD/DOWN

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A304	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN P041
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E)					
THE STRUCTURAL COLUMNS AT FR 308, 24" OFF CENTERLINE PORT AND STBD, ARE SEVERELY					
WASTED BETWEEN THE TOP OF THE TRANSVERSE WEB AND THE DECK STRUCTURE ABOVE.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX (12) LF OF 6" DIAMETER COLUMN AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P004, P009, P013, P028, P031, P033, P043, P045, A170 AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) COLUMN WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A303	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN P043
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E)					
THE TRANSVERSE WEB AT FR 308 IS SPORADICALLY HOLED AND SEVERELY					
WASTED BETWEEN THE SHELL AND THE FLANGE OF THE WEB. THE WEB IS DETERIORATED FROM					
CENTERLINE TO ABOUT 72" OFF CENTERLINE PORT AND STBD.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX (30) SF OF ¼" PLATE AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P004, P009, P013, P028, P031, P033, P041, P045, A170 AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) TRANSVERSE WEB WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC AB01	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN P045
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE SRIPTION: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E)					
VARIOUS GUSSETS AND CHOCKS ON THE FIREPUMP SEACHEST AT FR 304 STBD AND SSDG SW CLG					
PUMP SEACHEST AT FR 305 PORT ARE WASTED. THE SEACHEST ITSELF IS SATISFACTORY					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX (10) SF OF ¼" PLATE AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P004, P009, P013, P028, P031, P033, P041, P043, A170 AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) SEACHEST GUSSETS WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A301	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN A170
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			2
DISCREPANCY DE SRIPTION: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E)					
LONGITUDINALS L10 AND L11 (6 X 6 1/2 X 13#) AND L12 AND L13 (6 X 4 X 8#) ARE SEVERELY WASTED AND HOLED FROM FR 318 TO 321					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX. (6) LF OF 6 X 6 1/2 X 13# TEE AND (6) LF OF 6 X 4 X 8# TEE AS PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN CONJUNCTION WITH EM04-P004, P009, P013, P028, P031, P033, P041, P043, P045, AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) STIFFENERS WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM PAINTING		ESWBS 63111	EIC A101	APL N/A	RIC
EQUIPMENT NAME BILGE PAINTING		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EMO4	JSN P004
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E), THERE IS GENERAL PAINT					
FAILURE AND CORROSION THROUGHOUT THE BILGE AREAS, INCLUDING THE FWD AND AFT BHDS IN					
WAY OF THE BILGE AREAS. BILGE AREA IS DEFINED AS THE AREA FROM L14 PORT TO L14 STBD AND					
ADJACENT BHDS, FROM FR 292 TO 328, INCLUDING STRUCTURE ATTACHED TO THE SHELL.					
RECOMMENDED REPAIRS					
ACCOMPLISH AN ACID AND POWER TOOL CLEANING OF THE BILGE AREAS. PRIME AND PRESERVE					
SHELL, STRUCTURE AND TANK BHDS, INCLUDING THE AREAS OF THE FWD AND AFT TRANSV BHDS IN					
WAY OF THE BILGES. AREA IS APPROXIMATELY 3000 SF OF TERRA COTTA SURFACES					
ACCOMPLISH ICW EM04-P009, P013, P028, P031, P033, P041, P043, P045, A170 AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) BILGE AREAS CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.f	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM PAINTING		ESWBS 63111	EIC A304	APL N/A	RIC
EQUIPMENT NAME BILGE PAINTING		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EMO4	JSN P009
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E), THERE IS GENERAL PAINT					
FAILURE AND CORROSION THROUGHOUT THE INTERNAL STRUCTURE BETWEEN THE UPPER LEVEL					
AND BILGE AREAS INCLUDING VARIOUS FOUNDATIONS AND GRATING SUPPORTS					
FROM FR 292 TO 328.					
RECOMMENDED REPAIRS					
REMOVE DECK GRATES AND MISCELLANEOUS OUTFITTINGS. ACCOMPLISH AN ACID AND POWER					
TOOL CLEANING OF THE INTERNAL STRUCTURE. PRIME AND PRESERVE ALL SURFACES.					
AREA IS APPROXIMATELY 1000 SF OF TERRA COTTA SURFACES					
ACCOMPLISH ICW EM04-P004, P013, P028, P031, P033, P041, P043, P045, A170 AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) INTERNAL STRUCTURE CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.f	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT		RATE DCC	SECOND CONTACT WELLS		PHONE
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A101	APL N/A	RIC
EQUIPMENT NAME SHELL & SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EMO4	JSN P013
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E), THERE IS DEEP PITTING					
ON THE SHELL BETWEEN CENTERLINE AND L4 (BHD) PORT, FROM FR 304 TO FR 310, PORTSIDE. THE					
ROOT CAUSE IS SALTWATER LEAKAGE FROM THE PUMP AND STRAINERS FOR THE SSDG CLG					
SYSTEM.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX 36 SF OF 1/2" SHELL PLATING AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND DISTURBED AREAS. ACCOMPLISH IN CONJUNCTION WITH					
EM04-P004, P009, P028, P031, P033, P041, P043, P045, A170 AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) SHELL PLATING WASTED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A303	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN P016
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E)					
THE TRANSVERSE WEBS AT FR 324 AND 326 ARE HOLED AND WASTED AROUND THE ORIGINAL WEEP					
HOLES. EACH WEB IS WASTED BETWEEN THE STERN TUBE AND L1 PORT AND FROM THE SHELL UP					
12".					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX (4) SF OF ¼" PLATE AS INDICATED ABOVE. ENSURE WEEP HOLES					
ARE PROERLY PLACED. PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P004, P009, P013, P028, P031, P033, P041, PO43, P045, A170 AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) TRANSVERSE WEB WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A303	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN A199
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E)					
THE TRANSVERSE WEB BHD AND SUPPORTING STRUCTURE AT FR 316 IS SPORADICALLY HOLED					
AND SEVERELY WASTED FROM THE SHELL UP TO THE UPPER LEVEL. THE WEB IS DETERIORATED					
FROM CENTERLINE TO ABOUT 5' TO PORT AND STBD OF CENTERLINE					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX (10) LF OF TRANSVERSE WEB BHD, INCLUDING SUPPORT					
STRUCTURE. PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P004, P009, P013, P028, P031, P033, P041, P043, P045 AND A170 A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) TRANSVERSE WEB WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EMO4	JSN P020
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E),					
THE BHD INSULATION WAS FOUND SATURATED AND THE BHD FROM THE LOWER EDGE OF THE					
INSULATION UP TO BOTTOM OF THE SSDG ENCLOSURE, FROM FR 308 TO 324, PORT SIDE, WAS					
CORRODED.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 64 SF OF SATURATED BHD INSULATION.					
REMOVE CORROSION EXPOSED BY REMOVALS. PRIME AND PRESERVE BHD					
EXPOSED BY INSULATION REMOVALS. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED.					
PAINT SURFACES TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A703	APL N/A	RIC
EQUIPMENT NAME SHELL & SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EMO4	JSN P024
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE SCRPTION: PER SEMAT I INSPECTION OF AMR NO. 3 (5-292-0-E),					
THE FOUNDATIONS FOR THE FOLLOWING EQUIPMENT WERE FOUND CORRODED.					
NO. 4 FIRE PUMP, NO.5 FIRE PUMP, WASTEWATER DRAIN PUMP AND SSDG SW CIRC PUMP.					
RECOMMENDED REPAIRS					
REMOVE CORROSION FROM SURFACES INDICATED ABOVE.					
PRIME AND PRESERVE FOUNDATION. (APPROX 220 SF OF TERRA COTTA SURFACE)					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) FDNS CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.d	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM TANKS		ESWBS 12317	EIC A809	APL N/A	RIC
EQUIPMENT NAME CONTAMINATED OIL TANK		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN P028
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E),					
APPROX. 5 SF OF THE 5-292-1-W TANK AFT BHD PLATING ON THE STBDSIDE, FR 297, FROM L1 STBD					
TO L2 STBD IS SEVERELY WASTED					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX 5 SF OF (.25") THICK TNK BHD PLATING AS INDICATED					
ABOVE. PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04-P004, P009, P013, P031, P033, P041, P043, P045, A170 AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) TNK BHD PLATE WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS		RATE LT	PHONE
BLUEPRINTS, TECH MANUALS, PLANS, ETC.					ON BOARD YES NO
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM FLOOR PLATES AND GRATES		ESWBS 62211	EIC 1404	APL N/A	RIC
EQUIPMENT NAME MACHINERY SPACES		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN P031
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DESCRIPTION: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E),					
APPROX. 10LF OF DECK PLATE SUPPORT ANGLES ON THE STBDSIDE, LOWER LEVEL, FR 300,					
24" OUTBD OF CENTERLINE AND 18 LF OF DECK PLATE SUPPORT ANGLES ON THE STBDSIDE					
LOWER LEVEL, FR 310 TO FR 316, BETWEEN L1 AND L2 STBD, ARE SEVERELY WASTED.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX 28 LF OF 2 1/2 X 2 1/2 X 1/4 ANGLE AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN CONJUNCTION WITH EM04-P004,					
P009, P013, P028, P033, P041, P045, A170 AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) DECK PLATE SUPPORTS WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.c	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

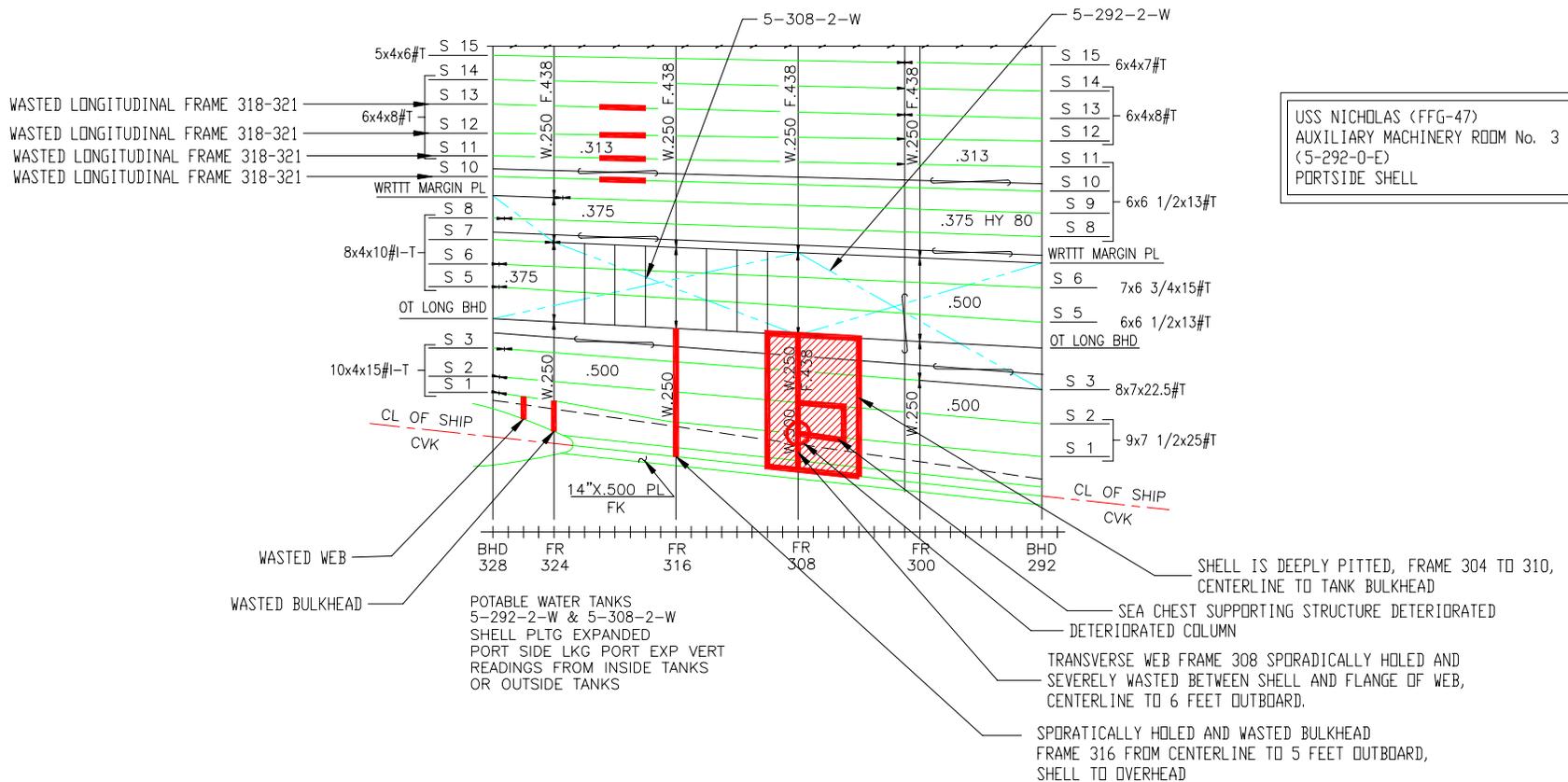
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL STRUCTURE		ESWBS 11011	EIC A301	APL N/A	RIC
EQUIPMENT NAME SHELL&SUPPORTING STRUCTURE		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN P033
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF AMR NO. 3 (5-292-0-E)					
LONGITUDINAL L2 (9 x 7 1/2 x 25#) STBD IS SEVERELY WASTED FROM FR 297 TO FR 300.					
ROOT CAUSE IS INACCESSABILITY FOR MAINTENANCE.					
RECOMMENDED REPAIRS					
CROP OUT AND REPLACE APPROX (3) LF OF 9 x 7 1/2 x 25# TEE AS INDICATED ABOVE.					
PRIME AND PRESERVE NEW AND EXPOSED AREAS. ACCOMPLISH IN					
CONJUNCTION WITH EM04- P004, P009, P013, P028, P031, P041, P043, P045, A170 AND A199.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS/HUGHES, CDI					
CSMP SUMMARY AMR NO. 3 (5-292-0-E) STIFFENER WASTED				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.a	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

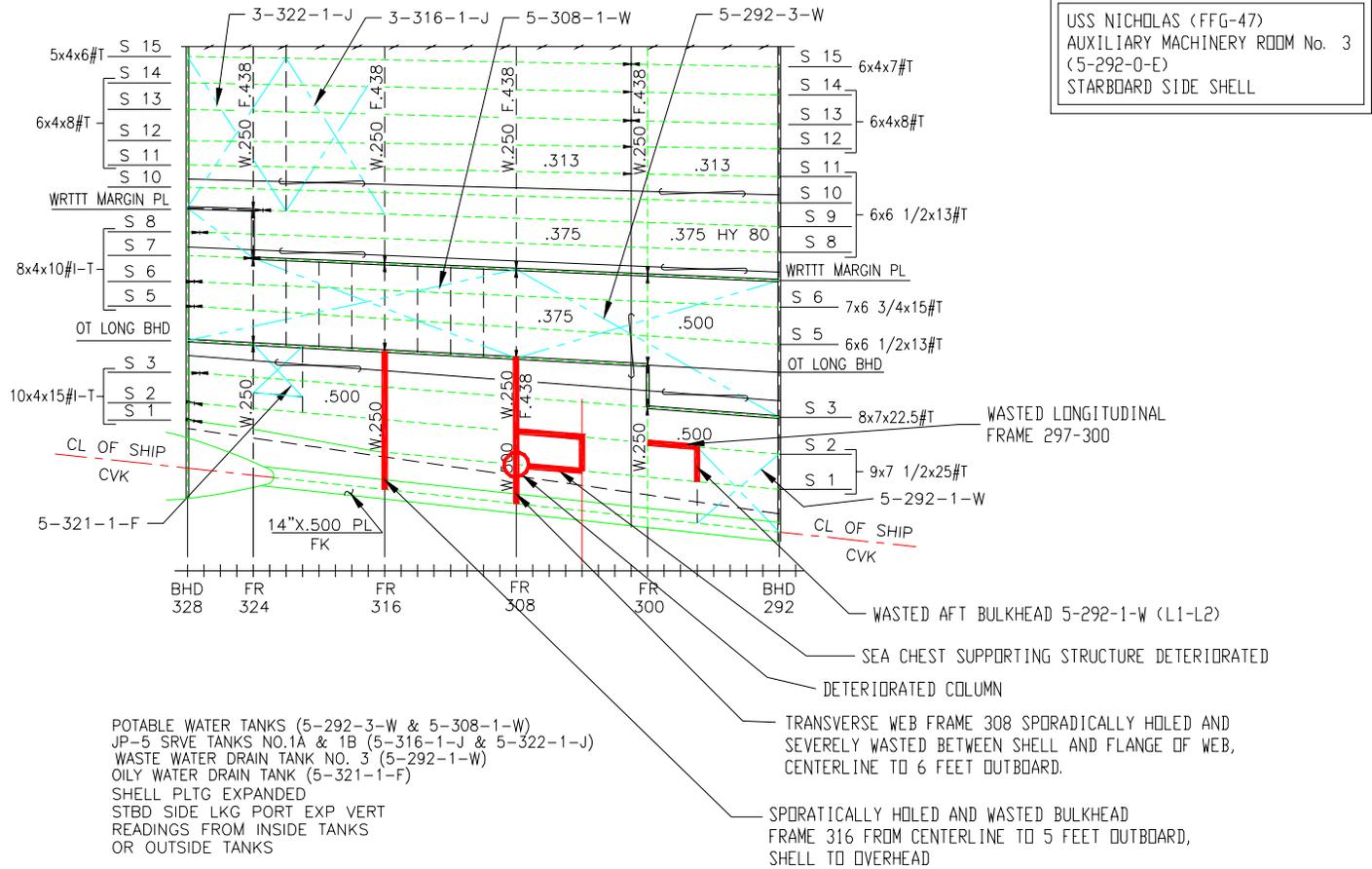
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AMR No. 3 PORTSIDE STRUCTURE DIAGRAM



AMR No. 3 STARBOARD SIDE STRUCTURE DIAGRAM



Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 58: LOWER LEVEL
STBD SIDE AFT
BULKHEAD WASTE
WATER TANK AND
LONGITUDINAL No. 1
STBD, LOOKING
DOWN/OUTBOARD

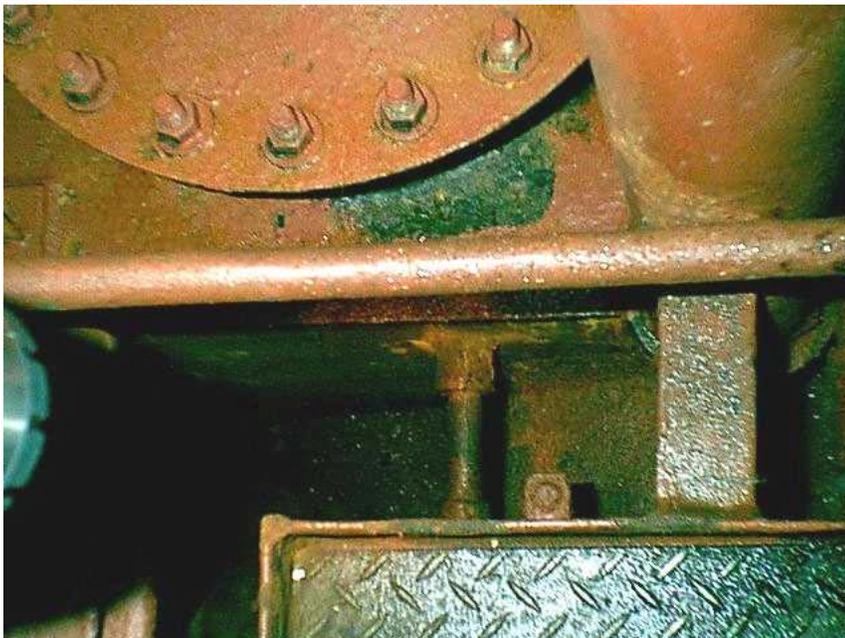


Photo 59: LOWER LEVEL STBD SIDE AFT BULKHEAD
AND TOP OF WASTE WATER TANK, LOOKING
DOWN/FORWARD

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 60: LOWER LEVEL STBD SIDE, TOP OF WASTE WATER TANK, LOOKING FWD/OUTBOARD

Photo 61: LOWER LEVEL STBD SIDE, FWD END OF No. 4 FIREPUMP AND FOUNDATION, LOOKING AFT



Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 62: LOWER LEVEL STBD SIDE, No. 4 AND 5
FIRE PUMP SUCTION SEA CHEST, LOOKING
OUTBOARD



Photo 63: LOWER LEVEL PORTSIDE, SSDG SW CLG
PUMP SEA CHEST, LOOKING AFT

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 64: LOWER LEVEL PORTSIDE, TRANSVERSE FRAME 308, SSDG SW CLG PUMP SEA CHEST TANK TOP AND PORTSIDE VERTICAL STANCHION, LOOKING AFT



Photo 65: LOWER LEVEL PORTSIDE, TRANSVERSE FRAME 308, SSDG SW CLG PUMP SEA CHEST TANK TOP AND PORTSIDE VERTICAL STANCHION, LOOKING AFT/OUTBOARD

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 66: LOWER LEVEL PORTSIDE TRANSVERSE FRAME 308, LONGITUDINAL No. 2 AND 3 PORT, LOOKING DOWN/OUTBOARD/AFT

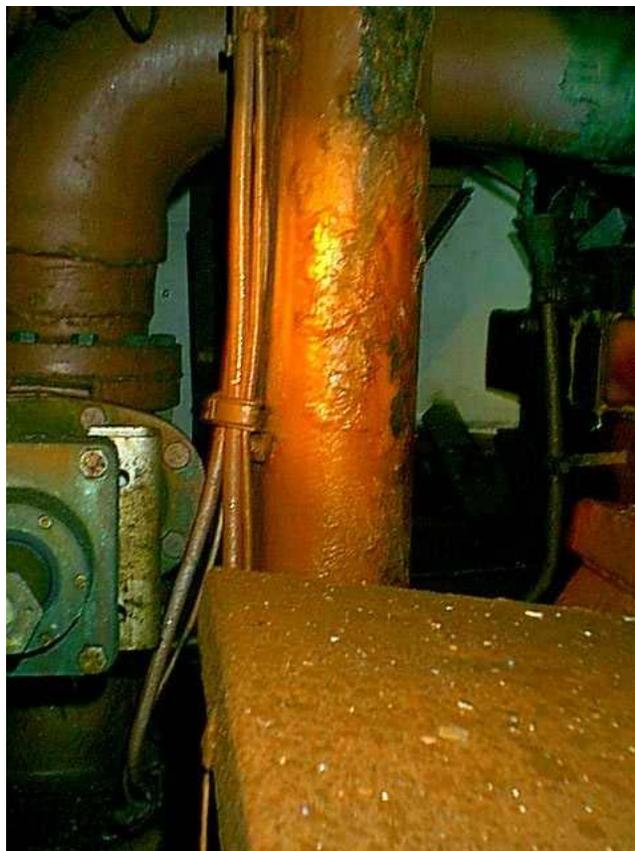


Photo 67: LOWER LEVEL, STBD SIDE, FRAME 308 STANCHION, LOOKING OUTBOARD FROM ABOVE BEARING PEDESTAL

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 68: LOWER LEVEL STBD SIDE, WASTE WATER DRAIN PUMP FOUNDATION, INBOARD SIDE, LOOKING OUTBOARD



Photo 69: LOWER LEVEL STBD SIDE, DETERIORATED DECK PLATE SUPPORTS, FRAME 292, LOOKING FWD/ OUTBOARD BELOW PKP BOTTLE FOUNDATION

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 70: LOWER LEVEL PORTSIDE, OIL SOAKED AND DAMAGED INSULATION INBOARD BULKHEAD OF 5-308-2-W, FR 308-316, LOOKING AFT OUTBOARD



Photo 71: LOWER LEVEL PORTSIDE, OIL SOAKED AND DAMAGED INSULATION INBOARD BULKHEAD OF 5-308-2-W, FR 308-316, LOOKING AFT OUTBOARD

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 72: LOWER LEVEL PORTSIDE, OIL SOAKED AND DAMAGED INSULATION INBOARD BULKHEAD OF 5-308-2-W, FR 308-316, LOOKING OUTBOARD



Photo 73: LOWER LEVEL PORTSIDE, DETERIORATED FRAME 316 BETWEEN LONGITUDINAL No. 3 AND 5-308-2-W, LOOKING AFT

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 74: UT AREA LOWER LEVEL PORTSIDE BETWEEN FRAME 308 AND 316, WELD SEAM OUTBOARD LONGITUDINAL No. 3, LOOKING OUTBOARD

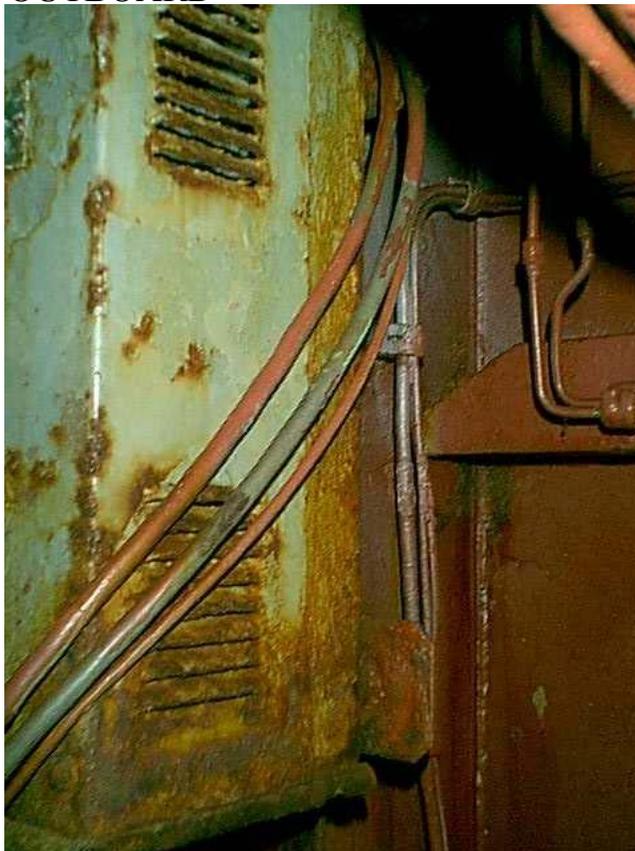


Photo 75: DAMAGED DISTILLATE PUMP VALVE CONTROL No. 2 AND BEAM AT FRAME 316 PORTSIDE LOWER LEVEL, LOOKING AFT/INBOARD

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 76: LOWER LEVEL PORTSIDE, AFT FRAME 324 BETWEEN LONGITUDINAL No 1 PORT AND SHAFT TUBE, DETERIORATED BULKHEAD, LOOKING FWD/INBOARD



Photo 77: LOWER LEVEL PORTSIDE, FRAME 326 BETWEEN LONGITUDINAL No 1 PORT AND SHAFT TUBE, DETERIORATED SUPPORT STRUCTURE, LOOKING AFT/INBOARD

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 78: LOWER LEVEL STBD SIDE, FWD OF FRAME
316 DECK PLATE SUPPORT STRUCTURE
DETERIORATED, LOOKING AFT



Photo 79: LOWER LEVEL STBD SIDE, No. 5 FIRE PUMP
FOUNDATION OUTBOARD SIDE, LOOKING DOWN/
INBOARD

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 80: LOWER LEVEL PORTSIDE SHELL AND LONGITUDINAL No. 6 FROM OVERHEAD, AREA IS BELOW SSDG CLG WATER OVBD, LOOKING OUTBOARD/DOWN



Photo 81: LOWER LEVEL PORTSIDE SHELL AND LONGITUDINAL No. 7 AND 8 FROM OVERHEAD, AREA IS BELOW SSDG CLG WATER OVBD, LOOKING OUTBOARD/DOWN

Auxiliary Machinery Room No.3 (AMR 3) 5-292-0-E



Photo 82: LOWER LEVEL PORTSIDE SHELL AND LONGITUDINAL No. 8 AND 9 FROM OVERHEAD, AREA IS BELOW SSDG CLG WATER OVBD, LOOKING DOWN

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM PAINTING		ESWBS 63111	EIC A101	APL N/A	RIC
EQUIPMENT NAME BILGE PAINTING		IDENT/SERIAL N/A	LOCATION 5-368-01-E	WORK CENTER EMO4	JSN P035
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 4 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 4 30MAR02	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 40	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE SCRPTION: PER SEMAT INSPECTION OF STEERING (5-368-01-E),					
THE BILGE AREAS IN THE PARTIALLY ENCLOSED AREAS, PORT SIDE, FR 368 TO 384 AND STBD SIDE,					
FR 368 TO FR 371, INCLUDING THE TRANSVERSE BHDS IN WAY OF THE BILGE AREAS, WERE FOUND					
CORRODED.					
RECOMMENDED REPAIRS					
REMOVE CORROSION FROM SURFACES INDICATED ABOVE.					
PRIME AND PRESERVE 200 SF OF TERRA COTTA BILGE AREA.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY STEERING (5-368-01-E) BILGE AREA CORRODED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.f	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS NICHOLAS FFG 47			
SYSTEM HULL INSULATION		ESWBS 63511	EIC 1700	APL N/A	RIC
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A	LOCATION 5-368-01-E	WORK CENTER EMO4	JSN P038
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED* 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIPS FORCE* *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN* 5. L - LIMITED 3		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 30MAR02 4	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIROMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE OR SKILL 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FO S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 0001	MAN HRS REMAINING 1	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 2-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DE Scription: PER SEMAT INSPECTION OF STEERING (5-368-01-E),					
THE SHELL INSULATION WAS FOUND SATURATED AND THE SHELL AND STIFFENERS WERE					
CORRODED FROM THE LOWER EDGE OF THE INSULATION UP TO THE OVHD, FR 368 TO 376,					
STBD SIDE, AND FROM THE DECK UP 18", FR 376 TO FR 392, PORT SIDE.					
RECOMMENDED REPAIRS					
REMOVE APPROX. 110 SF OF SATURATED SHELL INSULATION.					
REMOVE CORROSION EXPOSED BY REMOVALS. PRIME AND PRESERVE SHELL EXPOSED BY					
INSULATION REMOVALS. INSTALL NEW INSULATION IN PLACE OF THAT REMOVED. PAINT NEW					
SURFACES TO MATCH SURROUNDING AREAS.					
SSPORT C221 POC: J. BRUCKNER (757) 396-4001, TPOC: A. DAVIS /HUGHES, CDI					
CSMP SUMMARY STEERING (5-368-01-E) SHELL INSULATION SATURATED.				TEST # MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1				STEP # 1.e	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE	QTY	NSN	COST	
FIRST CONTACT HERBERT	RATE DCC	SECOND CONTACT WELLS	RATE LT	PHONE	
BLUEPRINTS, TECH MANUALS, PLANS, ETC.				ON BOARD YES NO	
ASSESSOR / ACT / TECH ID# SPORT 221/ A. DAVIS/ HUGHES, CDI			TD	TL	LOGISTICIAN TSP

After Steering 5-368-01-E Forward Starboard Eductor Section



Photo 83: BILGE SECTION, BELOW STEERING GEAR ROOM DRAIN PUMP, LOOKING INBOARD/AFT



Photo 84: STBD SIDE, EDUCTOR OVERBOARD VALVE, LOOKING OUTBOARD

After Steering 5-368-01-E Forward Starboard Eductor Section



Photo 85: STBD SIDE, HOLED VENT PIPE JUST BELOW OVERHEAD AND INBOARD OF SHELL, LOOKING UP/OUTBOARD



Photo 86: SALT ENCRUSTED LONGITUDINAL No. 4 FROM OVERHEAD AND SHELL INSULATION, FRAME 368 STBD SIDE LOOKING OUTBOARD

After Steering 5-368-01-E Forward Starboard Eductor Section



Photo 87: SALT ENCRUSTED LONGITUDINAL No.5
FROM OVERHEAD AND SHELL INSULATION,
FRAME 368 STBD SIDE LOOKING OUTBOARD



Photo 88: INBOARD FORWARD BILGE AREA, FRAME
368, LOOKING DOWN/FORWARD

USS NICHOLAS (FFG-47) COMPARTMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-20-0-Q	N	N	Y		SPACE REQUIRES GAS FREE
3-32-2-A	N	N	N		GEAR STOWAGE
3-32-1-K	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-36-2-T	Y	N	N		ANTI-SWEAT PAINT (100% OF SHELL ASSESSABLE)
3-40-2-A	Y	N	N		ANTI-SWEAT PAINT (100% OF SHELL ASSESSABLE)
3-46-1-A	Y	N	N		ANTI-SWEAT PAINT (100% OF SHELL ASSESSABLE)
3-48-2-A	Y	N	N		ANTI-SWEAT PAINT (100% OF SHELL ASSESSABLE)
3-53-2-A	Y	N	N		ANTI-SWEAT PAINT (100% OF SHELL ASSESSABLE)
3-56-0-A	Y	N	N		ANTI-SWEAT PAINT (100% OF SHELL ASSESSABLE)
3-64-2-V	N	N	Y		SPACE REQUIRES GAS FREE
3-64-1-V	N	N	Y		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-84-0-E	Y	Y	N	FRS 94-100 STBD SIDE SHELL, DECK TO OVERHEAD- NOT NOTED FR 95, PORTSIDE, TANK TOP- NOT NOTED	ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-92-1-Q	Y	Y	Y		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-100-0-L	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-100-1-L	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-113-0-L	Y	Y	N	FR 113-124, STBD SIDE OF SHELL, DECK TO OVERHEAD- PARTIAL	LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAME 113 TO 123)
3-140-1-A	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-140-2-L	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-144-0-L	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA, PORT & STBD FRAME 165 TO 180, 6'3" OFF DECK BUNKS)
3-156-2-Q	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-154-1-Q	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-180-2-C	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-180-5-A	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-196-2-A	Y	N	N		ANTI-SWEAT PAINT, (100% OF SHELL ASSESSABLE)
3-236-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-236-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-240-1-F	Y	N	Y		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-240-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-272-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-272-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-278-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-278-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-286-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-286-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-292-2-E	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
3-292-8-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-316-1-J	Y	N	Y		SPACE REQUIRES GAS FREE
3-322-1-J	Y	N	Y		SPACE REQUIRES GAS FREE
3-328-0-A	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4TH DECK					
4-H-0-V	Y	N	Y		SPACE REQUIRES GAS FREE
4-20-0-W	Y	N	Y		SPACE REQUIRES GAS FREE
4-27-0-V	N	N	Y		SPACE REQUIRES GAS FREE
4-32-0-Q	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
4-48-2-L	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
4-48-1-Q	Y	Y	N	FR 49-55 STBD SIDE OF SHELL, 4'-0' OFF DECK-NOTED	ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
4-56-2-A	Y	N	N		ANTI-SWEAT PAINT (100% OF SHELL ASSESSABLE)
4-56-0-M	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)

<u>SPACE NUMBER</u>	<u>SPACE ASSESSABLE</u>	<u>LAGGING INSTALLED ON BHD</u>	<u>IS THE SPACE INSPECTED DURING SEMAT 1</u>	<u>HISTORICAL HOT SPOT</u>	<u>COMMENTS</u>
<u>4TH DECK</u>					
4-64-0-Q	Y	Y	N		ACCESSIBLE, HIDDEN, LAGGED 100% STBD SIDE (100% OF SHELL ASSESSABLE) AFT 1/3 OF PORTSIDE SHELL FROM DECK TO 48 INCHES ABV DECK INACCESSIBLE IWO FCU 4-80-2
4-100-0-E	Y	Y	N	FR 100-101 STBD SIDE OF SHELL 6'BELOW GRATING - NOTED	ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
4-140-0-Q	Y	Y	N	TANK TOP FOR 5-140-2F - NOT NOTED	ACCESSIBLE, HIDDEN, LAGGED 50%, ANTI-SWEAT PAINT 50%, (100% OF SHELL ASSESSABLE)
4-140-2-A	N	N	N		MATERIAL STOWAGE
4-140-3-A	Y	N	N		ANTI-SWEAT PAINT (100% OF SHELL ASSESSABLE)
4-151-3-A	Y	N	N		ANTI-SWEAT PAINT (100% OF SHELL ASSESSABLE)
4-152-1-A	N	N	N		MATERIAL STOWAGE
4-160-0-Q	Y	Y	N	TANK TOP FOR 5-164-2F - NOT NOTED	ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)

<u>SPACE NUMBER</u>	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<u>4TH DECK</u>					
4-172-1-E	Y	Y	N	FR 174-180 STBD OF SHELL 6" BELOW GRATING BETWEEN L7-L9 - NOTED	ACCESSIBLE, HIDDEN, LAGGED 50%, ANTI-SWEAT PAINT 50%, (100% OF SHELL ASSESSABLE)

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<u>5TH DECK</u>					
5-32-0-W	N	N	Y		SPACE REQUIRES GAS FREE
5-51-0-Q	Y	N	N		ANTI-SWEAT PAINT, (100% OF SHELL ASSESSABLE)
5-56-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-64-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-84-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-84-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-100-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-100-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-100-4-F	N	N	Y		SPACE REQUIRES GAS FREE
5-100-3-F	N	N	Y		SPACE REQUIRES GAS FREE
5-116-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-116-1-F	N	N	Y		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
51/2-116-0-V	N	N	Y		INACCESSIBLE VOID FR 116 - FR 132, P/S FROM KEEL UP ~4FT
5-132-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-137-1-T	N	N	Y		SPACE REQUIRES GAS FREE
5-140-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-140-1-F	N	N	Y		SPACE REQUIRES GAS FREE
5-164-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-164-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-164-1-F	N	N	Y		SPACE REQUIRES GAS FREE
5-170-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-180-0-E	Y	Y	N	FRAME 180, PORT 15'-0" OFF CL, 8' SQFT - NOTED	SHELL NON-ASSESSABLE ON PORT SIDE FRAME 180 TO 195, FRAME 204 TO 212, OVERHEAD TO BILGE, TANK & FND
5-180-01-E	Y	Y	N		ANTI-SWEAT PAINT (100% OF SHELL ASSESSABLE)
5-192-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-201-1-F	N	N	Y		SPACE REQUIRES GAS FREE
5-201-3-F	N	N	Y		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-204-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-204-1-F	N	N	Y		SPACE REQUIRES GAS FREE
5-212-0-E (UL)	Y	Y	N	FRS 215-220 PORT SIDE OF SHELL, U/L BETWEEN L13-L14 - NOTED	ACCESSIBLE HIDDEN LAGGED UPPER LEVEL. (NOT ACCESSIBLE AREA, PORT SIDE FRAME 220 TO 224, 5'-0" OFF U/L GRATING VOLTAGE REGULATOR)
5-212-0-E (LL)	Y	Y	N		ASSESSABLE, HIDDEN, LAGGED LOWER LEVEL, ACCESSIBLE AREA PORT FRAME 212 TO 228, L10 TO BILGE AREA, STBD FRAME 212 TO 228 L8 TO BILGE AREA. (NOT ACCESSIBLE AREA - PORT & STBD FRAME 228 TO 250, FROM U/L TO BILGE AREA FUEL OIL HEATER)
5-220-2-W	N	N	Y		SPACE REQUIRES GAS FREE
5-222-1-F	N	N	Y		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-226-2-E	Y	N	N		SHELL NOT ASSESSABLE AT FRAME 225 TO 229, 4'-2" ABV U/L GRATING; FRAME 235 TO 250, 6'-3" ABV U/L GRATING - AIR FLASK, MANIFOLD & FUEL TANK
5-226-1-E	Y	N	N		SHELL NOT ASSESSABLE FRAME 225 TO 229, 4'-2" ABV U/L GRATING; FRAME 235 TO 250, 6'-3" ABV U/L GRATING, AIR FLASK, MANIFOLD, LO & FUEL TANK
5-250-0-E	Y	Y	N	FR 271-272 PORT SIDE OF SHELL TOP OF LO TANK TOP - NOTED	SHELL NOT ASSESSABLE PORTSIDE 1'-0" AFT OF FRAME 270 TO FRAME 292, FROM 5'-0" ABV GRATING; STBD SIDE FRAME 265 TO 270 FROM 1'-0" BELOW OVERHEAD TO 6" BELOW GRATING; 14" AFT OF FRAME 270 TO 273, 5'-0" ABV GRATING, POWER PANELS)

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-250-0-E	Y	Y	N	FR 250 PORT SIDE OF SHELL, BETWEEN L9-L12 - NOTED	
5-250-0-E	Y	Y	N	FR 258-264 STBD SIDE OF SHELL, BETWEEN L9-L12 - NOTED	
5-250-1-F	N	N	Y		SPACE REQUIRES GAS FREE
5-250-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-270-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-276-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-290-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-292-0-E	Y	Y	N	FR 316-328 PORT SIDE OF SHELL BETWEEN L5-L9 - NOTED	ACCESSIBLE, HIDDEN, LAGGED, ASSESSABLE AREA PORT FRAME 292 TO 318, DK GRATING TO OVERHEAD (SHELL NOT ASSESSABLE ON PORTSIDE FRAME 318 TO 328, 2'-0" ABV GRATING TO OVHD OF SPACE; STBD SIDE FRAME 292 TO 300, 3'-0" ABV GRATING

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-292-0-E	Y	Y	Y	FR 292-328 PORT SIDE OF SHELL BETWEEN L1-L3 - NOTED	TO OVERHEAD; STBD FRAME 305 TO 308, 3'-0" ABV GRATING TO OVERHEAD; STBD FRAME 313 TO 328, 6'-3" ABV GRATING & POWER PANELS
5-292-1-W	N	N	Y		SPACE REQUIRES GAS FREE
5-292-2-W	N	N	Y		SPACE REQUIRES GAS FREE
5-292-3-W	N	N	Y		SPACE REQUIRES GAS FREE
5-308-2-W	N	N	Y		SPACE REQUIRES GAS FREE
5-308-1-W	N	N	Y		SPACE REQUIRES GAS FREE
5-328-0-J	N	N	Y		SPACE REQUIRES GAS FREE
5-328-2-W	N	N	Y		SPACE REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-328-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-344-0-J	N	N	N		SPACE REQUIRES GAS FREE
5-368-0-V	N	N	N		SPACE REQUIRES GAS FREE
5-386-0-V	N	N	N		INACCESSIBLE VOID FRAME 386 TO 392, P/S, FROM KEEL UP ~2FT; FRAME 392 TO 400, S, FROM KEEL UP ~2FT; FRAME 400 TO 408 P/S FROM KEEL UP ~2FT
5-392-0-V	N	N	N		SPACE REQUIRES GAS FREE
5-368-0-E	Y	Y	Y		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
5-376-1-A	Y	Y	Y		ACCESSIBLE, HIDDEN, LAGGED 100% (100% OF SHELL ASSESSABLE)
5-390-1-A	N	Y	N		MATERIAL STOWAGE ASSESSABLE)

USS NICHOLAS FFG 47

HULL SURVEY
PHOTOGRAPH LOG

13-20 NOVEMBER 2001

CONDUCTED BY
MR. FRANK HUGHES AND MR. MICHAEL STORM, CDI MARINE
FOR MR. ART DAVIS, SUPSHIP PORTSMOUTH

NO PHOTOGRAPHS WERE TAKEN FOR THE FOLLOWING COMPARTMENTS:

FLAMMABLE LIQUID STOREROOM 3-32-1-K
SECURITY FORCE ISSUE ROOM 3-32-2-A
CPO STOREROOM 3-40-2-A
SPECIAL CLOTHING STOREROOM 3-46-1-A
MEDICAL STOREROOM NO. 1 3-48-2-A
CLOTHING AND SMALL STORES STOREROOM 3-53-2-A
DECK GEAR STOREROOM 3-56-0-A
AIR CONDITIONING MACHINERY ROOM 3-84-0-E
FORWARD 400 HZ 3-92-1-Q
CREW'S BERTHING 3-100-0-L
CPO OVERFLOW BERTHING 3-100-1-L
CREW'S WASHROOM AND SHOWER 3-113-0-L
CLEANING GEAR LOCKER 3-140-1-A
RCN LOUNGE 3-140-2-L
BERTHING COMPARTMENT 3-144-0-L
PIPING SPACE 3-154-1-Q
PIPING SPACE 3-156-2-Q
SWITCHGEAR ROOM 3-180-2-C
DRY PROVISION STOREROOM 3-180-5-A
SHIP STORE STOREROOM 3-196-2-A
NR 4 SSDG ENCLOSURE 3-292-2-E
COMBINED SUPPLY DEPARTMENT STOREROOM 3-328-0-A
SONAR EQUIPMENT ROOM 4-32-0-Q
SONAR EQUIPMENT COOLING ROOM 4-48-1-Q
PASSAGEWAY 4-48-2-L
SMALL ARMS MAGAZINE 4-56-0-M
FORWARD LIGHT LOCKER 4-56-2-A
MISSILE MAGAZINE COMPARTMENT 4-64-0-Q
LAUNDRY 4-140-0-Q
LAUNDRY STOREROOM 4-140-2-A
STOREROOM 4-140-3-A
CLEANING GEAR LOCKER 4-151-3-A
CHEMICAL WARFARE STOREROOM 4-152-1-A
FIRE PUMP ROOM 4-172-1-E
SSDG NO 1 5-180-01-E
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1ST DIVISION STOREROOM 5-376-1-A
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AUXILIARY PROPULSION UNIT (APU) MACHINERY ROOM 4-100-Q-E

- PHOTO 1:** APU ROOM BILGE AREA, DETERIORATED BILGE POCKET PORTSIDE AFT FRAME 108, LOOKING DOWN, AFT AND OUTBOARD.
- PHOTO 2:** APU ROOM BILGE AREA, DETERIORATED BILGE PORTSIDE FWD FRAME 100, LOOKING FORWARD AND OUTBOARD.
- PHOTO 3:** APU ROOM BILGE AREA, DETERIORATED BILGE POCKET, STARBOARD SIDE FRAME 108, LOOKING DOWN.
- PHOTO 4:** APU ROOM BILGE AREA, STARBOARD SIDE BELOW NO.1 APU DISTRIBUTION PANEL LOOKING FORWARD.
- PHOTO 5:** APU ROOM, FORWARD STARBOARD SIDE BILGE AREA AND WIREWAY FRAME 100, FORWARD OF NO.1 AND 2 APU POWER PANELS, LOOKING DOWN AND FORWARD.
- PHOTO 6:** APU ROOM, UT SECTION INBOARD SIDE OF FRAME 108, PORTSIDE AFT BILGE POCKET, LOOKING DOWN AND INBOARD.

CHT PUMP ROOM 4-160-Q-Q

- PHOTO 7:** CHT PUMP ROOM, FWD STARBOARD BILGE AREA LOOKING DOWN, FORWARD AND OUTBOARD.
- PHOTO 8:** CHT PUMP ROOM, 4-172-1 OVERBOARD DISCHARGE, SHELL AND LONGITUDINAL DETERIORATION, LOOKING OUTBOARD.
- PHOTO 9:** CHT PUMP ROOM, PORTSIDE SHELL FRAME 171, LONGITUDINAL NO. 5 FROM OVERHEAD, DETERIORATION, LOOKING OUTBOARD.
- PHOTO 10:** CHT PUMP ROOM, PORTSIDE SHELL FRAME 178 AND LONGITUDINAL NO. 3 FROM OVERHEAD, DETERIORATION, LOOKING AFT AND OUTBOARD.
- PHOTO 11:** CHT PUMP ROOM, FRAME 178 PORTSIDE, LOOKING AFT AND DOWN.
- PHOTO 12:** CHT PUMP ROOM, DETERIORATION BELOW OVERBOARD DISCHARGE 4-172-1, LOOKING OUTBOARD AND FORWARD.
- PHOTO 13:** CHT PUMP ROOM, 4-172-1 OVERBOARD DISCHARGE, STARBOARD SIDE SHELL, LOOKING OUTBOARD.
- PHOTO 14:** CHT PUMP ROOM, STARBOARD SIDE SHELL AND FRAME 178, LOOKING AFT
- PHOTO 15:** CHT PUMP ROOM, STARBOARD BILGE POCKET SHELL, UT AREA, LOOKING OUTBOARD AND DOWN.
- PHOTO 16:** CHT PUMP ROOM, STARBOARD BILGE POCKET TANK PLATING, UT AREA, LOOKING INBOARD AND DOWN.

EDUCTOR ROOM- 5-51-Q-Q

- PHOTO 17:** EDUCTOR ROOM, DETERIORATED AFT PORTSIDE BILGE POCKET, SHELL, LOOKING DOWN AND OUTBOARD, BELOW DECK PLATES AREA.
- PHOTO 18:** EDUCTOR ROOM, DETERIORATED AFT PORTSIDE BILGE POCKET, SHELL, LOOKING DOWN AND OUTBOARD, BELOW DECK PLATES.
- PHOTO 19:** EDUCTOR ROOM, AFT STARBOARD SIDE BILGE POCKET SHELL BELOW EDUCTOR, LOOKING DOWN AND OUTBOARD.
- PHOTO 20:** EDUCTOR ROOM, AFT PORT BILGE POCKET, FRAME 56, LOOKING DOWN AND AFT.
- PHOTO 21:** EDUCTOR ROOM, THINNED PORTSIDE BILGE AREA DECK PLATE SUPPORT AND FRAMING, LOOKING FORWARD.
- PHOTO 22:** EDUCTOR ROOM, PORTSIDE SHELL AND LONGITUDINALS DETERIORATED LOOKING OUTBOARD

AUXILIARY MACHINERY ROOM NO. 1 5-180-Q-E

- PHOTO 23:** AMR 1, PORTSIDE FRAME 204 AND LONGITUDINAL NO. 7 TO 8 DETERIORATION, BALLAST, LOOKING AFT AND OUTBOARD.
- PHOTO 24:** AMR 1, PORTSIDE FRAME 204 AND LONGITUDINAL NO. 6 TO 8, LOOKING DOWN AND AFT.

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- PHOTO 25:** AMR 1, PORTSIDE FRAME 196, LONGITUDINAL No. 7 TO 8, BALLAST, LOOKING FORWARD.
- PHOTO 26:** AMR 1, PORTSIDE FRAME 180, LONGITUDINAL No. 5 TO 6, BALLAST, LOOKING OUTBOARD.
- PHOTO 27:** AMR 1, DETERIORATION AT FRAME 180 PORTSIDE, LONGITUDINAL No. 6 TO 7, BALLAST AND FUNNEL FOR SSDG JACK WATER COOLER, LOOKING FORWARD.
- PHOTO 28:** AMR 1, BALLAST FRAME 180-188 PORTSIDE, DETERIORATION AT LONGITUDINALS, LOOKING OUTBOARD AND AFT, BALLAST BELOW 5-183-2-F
- PHOTO 29:** AMR 1, FRAME 204 PORTSIDE FILLED FUNNEL LOOKING OUTBOARD AND AFT.
- PHOTO 30:** AMR 1, UT AREA LOWER LEVEL PORTSIDE SHELL PLATING BETWEEN LONGITUDINAL No. 6 AND LONGITUDINAL No. 7, LOOKING DOWN AND AFT.
- PHOTO 31:** AMR 1, LONGITUDINAL No. 6, AFT OF FRAME 204, LOOKING INBOARD.

AUXILIARY MACHINERY ROOM No. 2 5-212-0-E

- PHOTO 32:** AMR 2 LOWER LEVEL, PORTSIDE BELOW HPAC, DETERIORATED FOUNDATION, LOOKING UP AND OUTBOARD.
- PHOTO 33:** AMR 2 LOWER LEVEL, PORTSIDE BELOW HPAC, TOP OF FRAME 220 TRANSVERSE MEMBER, DETERIORATED FLANGE, LOOKING OUTBOARD.
- PHOTO 34:** AMR 2 LOWER LEVEL, PORTSIDE FRAME 220 TRANSVERSE MEMBER INTERFACE WITH LONGITUDINAL No. 8 PORT, DETERIORATION, LOOKING AFT.
- PHOTO 35:** AMR 2 LOWER LEVEL, UT SECTION OF PORTSIDE FRAME 220 AND LONGITUDINAL No. 8 PORTSIDE INTERSECTION, LOOKING AFT.
- PHOTO 36:** AMR 2 PORTSIDE UPPER LEVEL, HPAC, LEAKING DRAIN SYSTEM, FRAME 220, LOOKING OUTBOARD.
- PHOTO 37:** AMR 2 UPPER LEVEL, PORTSIDE SHELL AND LONGITUDINALS IMPACTED BY COOLING WATER OVERBOARD VALVE, COND AND AIR COMPRESSOR COOLING WATER OVERBOARD DISCHARGE ASW-V21-3-216-2 BEHIND HPAC UPPER LEVEL FRAME 216, LOOKING AFT AND OUTBOARD BEHIND HPAC.
- PHOTO 38:** AMR 2, LOWER LEVEL PORTSIDE SHELL AND LONGITUDINALS IMPACTED BY COND AND AIR COMPRESSOR COOLING WATER OVERBOARD DISCHARGE ASW-V21-3-216-2 LOOKING DOWN BEHIND HPAC AT UPPER AND LOWER LEVELS
- PHOTO 39:** AMR 2 LOWER LEVEL, STARBOARD SIDE BELOW LPAC, DETERIORATED I-BEAMS BELOW LPAC IN AFT OUTBOARD CORNER, DRAIN FUNNEL LEAKS, LOOKING UP, INBOARD AND AFT.
- PHOTO 40:** AMR 2, SHELL AND LONGITUDINAL No. 6 TO 8 BELOW LPAC STARBOARD INTERSECTION WITH FRAME 220 TRANSVERSE BEAM, LOOKING FORWARD, OUTBOARD AND DOWN.
- PHOTO 41:** AMR 2 LOWER LEVEL, PITTED SHELL FORWARD OF SSDG SEAWATER COOLING PUMP SEA CHEST, PORTSIDE BETWEEN LONGITUDINAL No. 3 AND 4, LOOKING DOWN AND AFT.
- PHOTO 42:** AMR 2 LOWER LEVEL, PITTED SHELL FORWARD AND OUTBOARD SSDG SW CLG PUMP SEA CHEST, PORTSIDE BETWEEN LONGITUDINAL No. 4 AND 5 LOOKING OUTBOARD.
- PHOTO 43:** AMR 2 LOWER LEVEL, STARBOARD SIDE BETWEEN LONGITUDINAL No. 3 AND 4 AND FORWARD OF SSDG SW CLG PUMP SEA CHEST FWD BULKHEAD, LOOKING OUTBOARD AND DOWN, COMPARISON WITH PHOTO 41,
- PHOTO 44:** AMR 2 LOWER LEVEL STARBOARD SIDE BETWEEN LONGITUDINAL No. 4 AND 5 AND FIVE FEET FORWARD AND OUTBOARD OF SSDG SW CLG PUMP SEA CHEST FWD BULKHEAD, LOOKING OUTBOARD, COMPARISON WITH PHOTO 42,

SSDG No 2 5-226-1-E

- PHOTO 45:** UNPRESERVED HULL AND STRUCTURAL MEMBERS BEHIND START AIR FLASK FORWARD STARBOARD SIDE OF SSDG No. 2, LOOKING OUTBOARD. TYPICAL FOR SSDG No. 1, 3 AND 4.

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MAIN ENGINE ROOM 5-250-O-E

- PHOTO 46:** MER LOWER LEVEL PORTSIDE BELOW DECK PLATES, AFT OF SEAWATER STRAINER FOR 1B GTM, SHOWING BALLAST AND SALT BUILDUP, LOOKING DOWN AND OUTBOARD.
- PHOTO 47:** MER LOWER LEVEL PORTSIDE BELOW DECK PLATES, AFT OF SEAWATER STRAINER FOR 1B GTM, SHOWING BALLAST AND SALT BUILDUP, LOOKING DOWN AND OUTBOARD.
- PHOTO 48:** MER LOWER LEVEL PORTSIDE FORWARD 1A LUBE OIL STORAGE TANK, DETERIORATED LONGITUDINAL NO. 4, 5 AND 6 FROM OVERHEAD, LOOKING OUTBOARD AND DOWN.
- PHOTO 49:** MER LOWER LEVEL PORTSIDE FORWARD 1A LUBE OIL STORAGE TANK, DETERIORATED LONGITUDINAL NO. 4, 5 AND 6 FROM OVERHEAD, LOOKING OUTBOARD AND DOWN (SHOWING AFT END OF PRAIRIE MASKER AIR COOLER-PMAC).
- PHOTO 50:** MER LOWER LEVEL PORTSIDE FORWARD 1A LUBE OIL STORAGE TANK, DETERIORATED LONGITUDINAL NO. 5 FROM OVERHEAD, LOOKING OUTBOARD, DOWN AND FORWARD (SHOWING AFT END OF PMAC).
- PHOTO 51:** MER LOWER LEVEL PORTSIDE AFT OF TRANSVERSE FRAME 259, SHELL AND LONGITUDINAL CONDITION OUTBOARD AND FWD OF PMA COOLER, DETERIORATED BEAM AND SOAKED LAGGING, LOOKING OUTBOARD.
- PHOTO 52:** MER LOWER LEVEL STARBOARD SIDE DETERIORATION BELOW ASW-V7-GTRB CLR DVBD DISCHARGE FRAME 264, LOOKING OUTBOARD AND AFT.
- PHOTO 53:** MER LOWER LEVEL STARBOARD SIDE DETERIORATION BELOW ASW-V7-GTRB CLR DVBD DISCHARGE FRAME 264, LOOKING DOWN, OUTBOARD AND AFT.
- PHOTO 54:** MER LOWER LEVEL STARBOARD SIDE FORWARD FRAME 263 TRANSVERSE FRAME, SHELL AND LONGITUDINAL INTERSECTION DETERIORATION, LOOKING DOWN, AFT AND OUTBOARD.
- PHOTO 55:** MER LOWER LEVEL BILGE AREA, STARBOARD SIDE, FRAME 262, INDICATES SALT BUILDUP, LOOKING DOWN AND AFT.
- PHOTO 56:** GOOD BILGE PRESERVATION MER LOWER LEVEL STARBOARD SIDE, FWD AND BELOW THE STARBOARD ESCAPE TRUNK, LOOKING OUTBOARD AND DOWN.
- PHOTO 57:** GOOD BILGE PRESERVATION MER LOWER LEVEL STARBOARD SIDE, FWD OF THE STARBOARD ESCAPE TRUNK, LOOKING FORWARD, OUTBOARD AND DOWN

AUXILIARY MACHINERY ROOM No. 3 5-292-O-E

- PHOTO 58:** AMR 3 LOWER LEVEL STARBOARD SIDE AFT BULKHEAD OF WASTE WATER TANK AND LONGITUDINAL NO. 1 STARBOARD LOOKING DOWN AND OUTBOARD.
- PHOTO 59:** AMR 3 LOWER LEVEL WASTE WATER TANK AFT BULKHEAD AND TOP OF TANK, BETWEEN LONGITUDINAL NO. 1 AND 2 STARBOARD INCLUDING PIPE COLLAR TO TANK, LOOKING DOWN AND FORWARD.
- PHOTO 60:** AMR 3 LOWER LEVEL STARBOARD SIDE WASTE WATER TANK TOP, LOOKING FORWARD AND OUTBOARD.
- PHOTO 61:** AMR 3 LOWER LEVEL STARBOARD SIDE, NO. 4 FIRE PUMP FOUNDATION, FORWARD END OF FOUNDATION, LOOKING AFT.
- PHOTO 62:** AMR 3 LOWER LEVEL, NO. 4 AND 5 FIRE PUMP SEA CHEST, LOOKING OUTBOARD.
- PHOTO 63:** AMR 3 LOWER LEVEL, PORTSIDE FORWARD END OF SSDG SW CLG PUMP SEA CHEST LOOKING AFT.
- PHOTO 64:** AMR 3 LOWER LEVEL PORTSIDE, PORT STANCHION AND TRANSVERSE MEMBER FRAME 308, TOP OF DIESEL GENERATOR COOLING WATER SUCTION SEA CHEST, LOOKING AFT.
- PHOTO 65:** AMR 3 LOWER LEVEL, SIX INCH DIAMETER STANCHION LOCATED FRAME 308 AT TWO FEET OUTBOARD CENTERLINE TO PORT, LOOKING AFT AND

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OUTBOARD. INCLUDES TRANSVERSE MEMBER AT FRAME 308 AND TOP OF SSDG SW CLG PUMP SEA CHEST (AFT INBOARD CORNER).

- PHOTO 66:** AMR 3 LOWER LEVEL, PORTSIDE TRANSVERSE WEB LOCATED AT FRAME 308 BETWEEN LONGITUDINAL NO. 2 AND 3 PORT LOOKING DOWN, OUTBOARD AND AFT.
- PHOTO 67:** AMR 3 LOWER LEVEL, SIX INCH DIAMETER STANCHION LOCATED FRAME 308 AT TWO FEET OUTBOARD CENTERLINE TO STARBOARD, LOOKING OUTBOARD FROM ABOVE BEARING PEDESTAL.
- PHOTO 68:** AMR 3, LOWER LEVEL STARBOARD SIDE, WASTE WATER DRAIN PUMP FOUNDATION INBOARD SIDE LOOKING OUTBOARD.
- PHOTO 69** AMR 3 LOWER LEVEL STARBOARD SIDE, DETERIORATED DECK PLATE SUPPORTS FRAME 292 LOOKING FORWARD AND OUTBOARD PKP BOTTLE FOUNDATION.
- PHOTO 70:** AMR 3 LOWER LEVEL PORTSIDE TANK 5-308-2-W INBOARD BULKHEAD, BELOW SSDG ENCLOSURE BETWEEN FRAME 308 AND 316 (LOOKING AFT AND OUTBOARD). LAGGING OIL SOAKED AND DAMAGED.
- PHOTO 71:** AMR 3 LOWER LEVEL PORTSIDE TANK 5-308-2-W INBOARD BULKHEAD, BELOW SSDG ENCLOSURE BETWEEN FRAME 308 AND 316 (LOOKING AFT AND OUTBOARD). LAGGING OIL SOAKED AND DAMAGED.
- PHOTO 72:** AMR 3 LOWER LEVEL PORTSIDE, BETWEEN FRAME 308 AND 316, TANK 5-308-2-W BULKHEAD LAGGING OIL SOAKED AND DAMAGED. LOOKING OUTBOARD.
- PHOTO 73:** AMR 3 LOWER LEVEL, FORWARD SIDE OF DETERIORATED FRAME 316, PORTSIDE BETWEEN LONGITUDINAL NO. 3 AND 5-308-2-W, LOOKING AFT.
- PHOTO 74:** AMR 3 LOWER LEVEL PORT SIDE BETWEEN FRAME 308 AND 316, WELD SEAM OUTBOARD LONGITUDINAL NO. 3 PORTSIDE, UT AREA, LOOKING OUTBOARD.
- PHOTO 75:** AMR 3 LOWER LEVEL PORT SIDE FRAME 316 DISTILLATE PUMP VALVE CONTROL NO 2, LONGITUDINAL NO. 1 PORTSIDE, MOUNTED ON DETERIORATED BEAM 10-INCH X 4-INCH T-BEAM, LOOKING AFT AND INBOARD.
- PHOTO 76:** AMR 3 LOWER LEVEL PORT SIDE FRAME 324 AFT SIDE, BETWEEN LONGITUDINAL NO. 1 PORT AND SHAFT TUBE, DETERIORATED BULKHEAD, LOOKING FORWARD AND INBOARD.
- PHOTO 77:** AMR 3 LOWER LEVEL, FRAME 326 FORWARD SIDE BETWEEN LONGITUDINAL NO. 1 PORT AND SHAFT TUBE, DETERIORATED SUPPORT STRUCTURE, LOOKING AFT AND INBOARD.
- PHOTO 78:** AMR 3 LOWER LEVEL, STARBOARD SIDE LOOKING AFT AT FRAME 316 INCLUDING DECK PLATE STRUCTURE REQUIRING REPLACEMENT.
- PHOTO 79:** AMR 3 LOWER LEVEL, OUTBOARD SIDE NO. 5 FIRE PUMP FOUNDATION LOOKING INBOARD AND DOWN.
- PHOTO 80:** AMR 3 LOWER LEVEL PORTSIDE SHELL AND LONGITUDINAL NO. 6 FROM OVERHEAD, AREA IS BELOW 3-319-2 DIESEL GENERATOR COOLING WATER OVERBOARD, LOOKING OUTBOARD AND DOWN.
- PHOTO 81:** AMR 3 LOWER LEVEL PORTSIDE SHELL AND LONGITUDINAL NO. 7 AND 8 FROM OVERHEAD, AREA IS BELOW 3-319-2 DIESEL GENERATOR COOLING WATER OVERBOARD, LOOKING DOWN AND OUTBOARD AT SHELL LONGITUDINAL NO. 7 AND 8 PORTSIDE FROM OVERHEAD.
- PHOTO 82:** AMR 3 LOWER LEVEL PORTSIDE SHELL AND LONGITUDINAL NO. 8 AND 9 FROM OVERHEAD, AREA IS BELOW 3-319-2 DIESEL GENERATOR COOLING WATER OVERBOARD AT SHELL AND LONGITUDINAL NO. 8 AND 9, LOOKING DOWN.

AFTER STEERING 5-368-01-E

- PHOTO 83:** AFTER STEERING EDUCTOR ROOM BILGE SECTION BELOW STEERING GEAR ROOM DRAIN PUMP, LOOKING INBOARD AND AFT.
- PHOTO 84:** AFTER STEERING EDUCTOR ROOM EDUCTOR DISCHARGE VALVE, LOOKING OUTBOARD.

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- PHOTO 85:** AFTER STEERING EDUCTOR ROOM HOLED VENT PIPE JUST BELOW OVERHEAD AND INBOARD OF SHELL, LOOKING UP AND OUTBOARD.
- PHOTO 86:** AFTER STEERING EDUCTOR ROOM FRAME 368 STARBOARD SIDE, SALT ENCRUSTED LAGGING ON SHELL AND LONGITUDINAL NO. 4 FROM OVERHEAD, LOOKING OUTBOARD.
- PHOTO 87:** AFTER STEERING EDUCTOR ROOM FRAME 368 STARBOARD SIDE, SALT ENCRUSTED LAGGING ON SHELL AND LONGITUDINAL NO. 5 FROM OVERHEAD, LOOKING OUTBOARD.
- PHOTO 88:** AFTER STEERING EDUCTOR ROOM FORWARD INBOARD BILGE AREA, FRAME 368, LOOKING DOWN AND FORWARD.

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CONDUCTED BY
MR. FRANK HUGHES AND MR. MICHAEL STORM, CDI MARINE
FOR MR. ART DAVIS, SUPSHIP PORTSMOUTH

FLAMMABLE LIQUID STOREROOM 3-32-1-K

LAGGING

MOISTURE METER READINGS:
10-46.5%

NOTE: HIGH READINGS BELIEVED TO BE FROM MATERIALS STOWED IN SPACE.

NOTE: CLEANING COMPOUNDS STORED IN COMPARTMENT ARE DETERIORATING THE DECK COATINGS IN THE AFTER STARBOARD CORNER OF THE COMPARTMENT.

SECURITY FORCE ISSUE ROOM 3-32-2-A

PAINTED BULKHEAD

NOTE: INACCESSIBLE BECAUSE OF GEAR STOWAGE, HULL AND STRUCTURE APPEARS TO BE SATISFACTORY.

CPO STOREROOM 3-40-2-A

ANTI-SWEAT PAINT

SATISFACTORY, COMPARTMENT IS DIRTY.

SPECIAL CLOTHING STOREROOM 3-46-1-A

ANTI-SWEAT PAINT

SATISFACTORY

MEDICAL STOREROOM No. 1 3-48-2-A

ANTI-SWEAT PAINT

SATISFACTORY

CLOTHING AND SMALL STORES STOREROOM 3-53-2-A

ANTI-SWEAT PAINT

SATISFACTORY

DECK GEAR STOREROOM 3-56-0-A

ANTI-SWEAT PAINT

SATISFACTORY

AIR CONDITIONING MACHINERY ROOM 3-84-0-E

LAGGING

MOISTURE METER READINGS:
44 TO 99%

- 1) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE PORTSIDE SHELL FRAME 84 TO FRAME 100 FROM DECK TO 2ND LONGITUDINAL ABOVE THE DECK INCLUDING SIX INCHES ALONG THE FORWARD (FRAME 84) AND AFTER (FRAME 100) BULKHEADS. CLEAN AND PRESERVE THE DECK PORTSIDE FRAME 84 TO FRAME 100 FROM HULL TO SIX INCHES INBOARD THE SHELL.

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- 2) BLAST, CLEAN AND PRESERVE A 18-INCH X 48-INCH SECTION OF THE DECK, COAMING AND EDUCTOR BILGE POCKET LOCATED AT THE CENTERLINE FORWARD OF FRAME 100.
- 3) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE FROM THE DECK TO 18 INCHES ABOVE THE DECK FROM THE INBOARD BULKHEAD OF 3-92-1-Q OUTBOARD TO THE PORTSIDE SHELL (BEHIND THE BILGE EDUCTOR AND THE NO. 1 A/C UNIT.

NOTE: FIREMAIN VALVES IN SPACE ARE LEAKING IMPACTING THE LAGGING MATERIAL CONDITION.

FORWARD 400 HZ 3-92-1-Q

LAGGING

MOISTURE METER READINGS:

BASED ON A/C MACHINERY ROOM STARBOARD SIDE READINGS

SATISFACTORY

CREW'S BERTHING 3-100-0-L

LAGGING

MOISTURE METER READINGS:

0 TO 48%

SATISFACTORY

CPO OVERFLOW BERTHING 3-100-1-L

LAGGING

MOISTURE METER READINGS:

0 TO 34%

NOTE: JOINER BULKHEAD BETWEEN COMPARTMENT 3-113-0-L AND BOTH 3-100-0-L AND 3-100-1-L FROM STARBOARD SHELL TO INBOARD ACCESS TO 3-113-0-L IS DETERIORATED AND HOLED ALONG A LINE SIX INCHES ABOVE THE DECK BETWEEN THE MARRIAGE LINE OF THE HORIZONTAL BULKHEAD COAMING AND THE VERTICAL BULKHEAD PANELING.

CREW'S WASHROOM AND SHOWER 3-113-0-L

LAGGING

MOISTURE METER READINGS:

60 TO 99%

- 1) REMOVE SHEATHING IN ORDER TO REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE, STARBOARD SIDE SHELL FROM THE DECK TO ONE FOOT ABOVE THE DECK FROM FRAME 113 TO FRAME 125.

NOTE: SHOWER TERRAZZO IS LOOSE ALONG THE FORWARD SECTIONS ALONG THE JOINER BULKHEAD BETWEEN 3-113-0-L AND 3-100-1-L AND 3-100-0-L (SEE NOTE IN COMPARTMENT 3-100-1-L).

CLEANING GEAR LOCKER 3-140-1-A

LAGGING

MOISTURE METER READINGS:

READINGS ARE HIGH BUT ONLY ALARMED AT ONE SECTION.

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- 1) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE STARBOARD SIDE SHELL FROM DECK TO FOUR FEET ABOVE THE DECK FROM FRAME 140 TO FRAME 148 AND ONE FOOT OF THE FORWARD AND AFTER BULKHEAD INSULATION.
- 2) REMOVE AND REPLACE THE TERRAZZO, STARBOARD SIDE FROM THE SHELL TO ONE FOOT INBOARD OF THE SHELL FROM FRAME 140 TO FRAME 148.
- 3) ACCOMPLISH UT IN WAY OF TERRAZZO REMOVAL ALONG THE JOINT BETWEEN THE DECK AND THE SHELL.

RCN LOUNGE 3-140-2-L

LAGGING

MOISTURE METER READINGS:

0 TO 20 %

SATISFACTORY

BERTHING COMPARTMENT 3-144-0-L

LAGGING

MOISTURE METER READINGS:

0 - 18%

SATISFACTORY

NOTE: AFTER STARBOARD SIDE OF THE SHELL (AFT OF 3-154-1-Q) INACCESSIBLE DUE TO RACK INSTALLATION. AFTER PORT SIDE OF THE SHELL (AFT OF 3-140-2-L) INACCESSIBLE DUE TO RACK INSTALLATION.

PIPING SPACE 3-154-1-Q

LAGGING

MOISTURE METER READINGS:

99%

- 1) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE STARBOARD SIDE SHELL, SIX FEET HIGH BY FIVE FEET LONG FROM THE AFTER BULKHEAD TO FIVE FEET FORWARD OF THE AFTER BULKHEAD.

PIPING SPACE 3-156-2-Q

LAGGING

MOISTURE METER READINGS:

8 TO 56%

- 1) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE PORTSIDE SHELL FROM THE DECK TO FOUR INCHES ABOVE THE DECK FROM FRAME 158 TO FRAME 162.

NOTE: POSSIBLE SOURCE OF LEAKAGE IS CHECK VALVE UPSTREAM OF SOIL DRAIN VALVE 3-162-2.

SWITCHGEAR ROOM 3-180-2-C

LAGGING

MOISTURE METER READINGS:

6 TO 36 %

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SATISFACTORY

DRY PROVISION STOREROOM 3-180-5-A

LAGGING

MOISTURE METER READINGS:

8.2 TO 24.8 %

NOTE: NO OBSERVABLE BILGE/DECK PROBLEMS, STOREROOM FULL OF DRY PROVISIONS.

SATISFACTORY

SHIP STORE STOREROOM 3-196-2-A

ANTI-SWEAT PAINT

- 1) SHELL PLATING DENTED IN UPPER AFT CORNER FROM SIX FEET ABOVE THE DECK TO THE OVERHEAD AND THREE FEET FORWARD OF THE AFT BULKHEAD WITH APPROXIMATELY 1-1/2 - INCH BOW INWARD.

NR 4 SSDG ENCLOSURE 3-292-2-E

PAINT

- 1) CLEAN AND PRESERVE ALL SHELL AND STRUCTURAL MEMBERS IN SSDG ENCLOSURE FROM DECK GRATING LEVEL UP.

NOTE: BILGE AREA IS COATED WITH OIL.

COMBINED SUPPLY DEPARTMENT STOREROOM 3-328-0-A

LAGGING

MOISTURE METER READINGS:

17 TO 53 %

- 1) CLEAN AND PRESERVE 18 SQUARE FEET OF BILGE AREA FROM FRAME 328 TO FRAME 331 PORTSIDE.
- 2) CLEAN AND PRESERVE 18 SQUARE FEET OF BILGE AREA FROM FRAME 328 TO FRAME 331 STARBOARD SIDE.

SONAR EQUIPMENT ROOM 4-32-0-Q

LAGGING

MOISTURE METER READINGS:

RANGE 0-65%

- 1) REPLACE THE LOWER FOUR INCHES OF LAGGING/RUBETEX ALONG PORT AND STARBOARD SHELL SECTIONS, FRAME 32 TO FRAME 48 FROM THE DECK TO FOUR INCHES ABOVE THE DECK. CLEAN AND PRESERVE THE DECK FROM SHELL TO FOUR INCHES INBOARD OF SHELL AND THE BULKHEAD FROM THE DECK TO FOUR INCHES ABOVE THE DECK.
- 2) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE, ALONG SHELL STARBOARD SIDE FROM FRAME 48 TO TWO FEET FORWARD FRAME 48 AND FROM THE DECK TO TWO FEET ABOVE THE DECK.

SONAR EQUIPMENT COOLING ROOM 4-48-1-Q

LAGGING

NOTE: SATURATED LAGGING 2ND STIFFENER ABOVE DECK STARBOARD SIDE AFT AND 1ST STIFFENER ABOVE THE DECK BELOW THE SONAR EQUIPMENT COOLERS.

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- 1) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE STARBOARD SIDE SHELL FROM THE DECK TO 50 INCHES ABOVE THE DECK, FRAME 48 TO FRAME 56.

PASSAGEWAY 4-48-2-L

LAGGING

MOISTURE METER READINGS:
15-50%

NOTE: FIRE STATION 4-49-2 PMS REQUIRED.

SMALL ARMS MAGAZINE 4-56-0-M

LAGGING

MOISTURE METER READINGS:
RANGE 6-8%

FORWARD LIGHT LOCKER 4-56-2-A

ANTI-SWEAT PAINT

SATISFACTORY

MISSILE MAGAZINE COMPARTMENT 4-64-0-Q

LAGGING

MOISTURE METER READINGS:
3.6 TO 75%

- 1) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE STARBOARD SIDE SHELL FROM THE DECK TO 48 INCHES ABOVE THE DECK, SIX FEET AFT OF FRAME 64 TO FRAME 84 INCLUDING ONE FOOT ALONG THE TRANSVERSE MEMBER AT FRAME 78.

NOTE: LAGGING DETERIORATION ANNOTATED IN 1) SUSPECTED FROM FIRE STATION AND OVERHEAD FIREMAIN SUPPLY VALVE.

NOTE: FAN COIL UNIT 4-80-2 IN MISSILE MAGAZINE INACCESSIBLE PREVENTING INSPECTION TO AFT 1/3 PORTION OF PORTSIDE SHELL FROM THE DECK TO FOUR FEET ABOVE THE DECK AND 1/2 THE AFT BULKHEAD OF THE SPACE AT FRAME 84, FROM THE DECK TO FOUR FEET ABOVE THE DECK.

AUXILIARY PROPULSION UNIT (APU) MACHINERY ROOM 4-100-0-E

LAGGING

NOTE: PORTSIDE LAGGING DETERIORATED, APPEARS TO HAVE BEEN SATURATED, BULKHEAD LOOKS GOOD BELOW THE LAGGING.

NOTE: RECOMMEND FIRE STATION 4-104-2 PMS BE ACCOMPLISHED.

- 1) CLEAN AND PRESERVE A 48-INCH BY 94-INCH SECTION OF BILGE AREA PORTSIDE FROM FRAME 100 TO FRAME 108 TO INCLUDE FOUR SQUARE FEET OF FORWARD AND AFT BULKHEAD IN WAY OF BILGE AREA.
- 2) REPLACE DECK PLATE 2-1/2 X 2-1/2 ANGLE IRON AND FLAT BAR AS FOLLOWS:
 - THREE LINEAR FEET FROM FRAME 108 TO THREE FEET FORWARD OF FRAME 108 PORTSIDE.
 - FIVE LINEAR FEET AT FRAME 108 FROM THE SHELL INBOARD FIVE LINEAR FEET.

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- 3) REPLACE THREE SQUARE FEET OF FRAME 108 BULKHEAD IN BILGE WELL POCKET, SPECIFICALLY: FRAME 108 PORTSIDE FROM TANK TOP LONGITUDINAL BULKHEAD TO L1 PORT AND ONE FOOT UP FROM BOTTOM OF THE BILGE WELL.

PHOTO 5: APU ROOM BILGE AREA PORTSIDE FRAME 108, BILGE POCKET LOOKING DOWN AFT.

PHOTO 6: APU ROOM BILGE AREA PORTSIDE FRAME 100, BILGE POCKET LOOKING FORWARD DOWN.

- 4) CLEAN AND PRESERVE A 48-INCH BY 94-INCH SECTION OF BILGE AREA STARBOARD SIDE FROM FRAME 100 TO FRAME 108 TO INCLUDE FOUR SQUARE FEET OF FORWARD AND AFTER BULKHEAD IN WAY OF BILGE AREA.

NOTE: AREAS BELOW THE APU ELECTRICAL POWER DISTRIBUTION PANEL NO. 1 ARE INACCESSIBLE BUT OBSERVATION INDICATES HEAVY CORROSION.

PHOTO 7: APU ROOM BILGE AREA STARBOARD SIDE FRAME 108, BILGE POCKET LOOKING DOWN.

PHOTO 8: APU ROOM BILGE AREA STARBOARD SIDE BELOW NO.1 APU DISTRIBUTION PANEL LOOKING FORWARD.

PHOTO 9: APU ROOM STARBOARD SIDE FRAME 100 IN THE WIREWAY VIEWING THE FORWARD STARBOARD BILGE AREA LOCATED FORWARD OF NO.1 AND 2 APU POWER PANELS.

NOTE: APU ROOM PORTSIDE FRAME 108 BILGE SUCTION ROSE BOX REQUIRES REPLACEMENT.

- 5) REPLACE APU ROOM PORTSIDE BILGE AREA OUTBOARD TANK BULKHEAD PLATING FROM THE HULL TO ONE FOOT ABOVE THE HULL FROM FRAME 108 TO TWO FEET FORWARD OF FRAME 108 (INSIDE THE BILGE POCKET).

PHOTO 54: APU ROOM PORTSIDE FRAME 108 AREA UT TESTED, INBOARD SIDE OF BILGE POCKET REQUIRES REPLACEMENT.

DIAGRAM 1: UT LOCATIONS FOR APU ROOM AFT PORT BILGE POCKET

LAUNDRY 4-140-0-Q

ANTI-SWEAT PAINT AND LAGGING

MOISTURE METER READINGS:

17 TO 52%

- 1) CLEAN AND PRESERVE LONGITUDINAL NO. 2 PORTSIDE FROM FRAME 160 TO THREE FEET FORWARD OF FRAME 160.

NOTE: BILGES ARE DIRTY.

LAUNDRY STOREROOM 4-140-2-A

INACCESSIBLE DUE TO SODA STORAGE.

STOREROOM 4-140-3-A

ANTI-SWEAT PAINT

- 1) CLEAN AND PRESERVE TEN SQUARE FEET OF BILGE AREA FROM FRAME 140 TO FRAME 145 (FIVE FEET BY TWO FEET).

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CLEANING GEAR LOCKER 4-151-3-A

ANTI-SWEAT PAINT

- 1) CLEAN AND PRESERVE 16 SQUARE FEET OF BILGE AREA FROM FRAME 151 TO FRAME 155 (FOUR FEET BY FOUR FEET).

CHEMICAL WARFARE STOREROOM 4-152-1-A

INACCESSIBLE FOR INSPECTION DUE TO EQUIPMENT STORAGE.

GHT PUMP ROOM 4-160-0-0

LAGGING

MOISTURE METER READINGS:

0 TO ALARM READINGS

NOTE: HOLE OBSERVED IN FORWARD STARBOARD BULKHEAD FRAME 160 (BETWEEN GHT PUMP ROOM AND CHEMICAL WARFARE STOREROOM 4-152-1-A) AT BILGE POCKET LEVEL BETWEEN TANK OUTBOARD BULKHEAD AND COMPARTMENT FIRST LONGITUDINAL.

- 1) REMOVE BUT DO NOT REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE STARBOARD SIDE SHELL BETWEEN AND INCLUDING LONGITUDINAL NO.1 TO 4 STARBOARD SIDE OUTBOARD THE STARBOARD SIDE TANK'S OUTBOARD BULKHEAD AND BETWEEN FRAME 160 TO FRAME 172.
- 2) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE STARBOARD SIDE SHELL BETWEEN AND INCLUDING LONGITUDINAL NO. 4 TO 5 STARBOARD OUTBOARD THE STARBOARD TANK'S OUTBOARD BULKHEAD AND FROM FRAME 160 TO FRAME 180.
- 3) CLEAN AND PRESERVE WEB STRUCTURES PORTSIDE FOR LONGITUDINAL NO. 1 TO 3 PORTSIDE OUTBOARD THE PORT TANK'S OUTBOARD BULKHEAD AND FROM FRAME 160 TO FRAME 180.
- 4) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE PORTSIDE SHELL BETWEEN AND INCLUDING LONGITUDINAL NO. 3 TO 4 PORTSIDE OUTBOARD THE PORT TANK'S OUTBOARD BULKHEAD AND FROM FRAME 160 TO FRAME 180.

PHOTO 17: GHT PUMP ROOM FWD STARBOARD BILGE AREA

PHOTO 18: GHT PUMP ROOM 4-172-1 OVERBOARD DISCHARGE

PHOTO 19: GHT PUMP ROOM FRAME 171 PORTSIDE SHELL, LONGITUDINAL NO. 4 TO 5 FROM OVERHEAD.

PHOTO 20: GHT PUMP ROOM FRAME 178 AND SHELL INTERFACE PORTSIDE, LONGITUDINAL NO. 3 FROM OVERHEAD.

PHOTO 21: GHT PUMP ROOM AFTER PORT CORNER

PHOTO 22: GHT PUMP ROOM 4-172-1 OVERBOARD DISCHARGE

PHOTO 23: GHT PUMP ROOM 4-172-1 OVERBOARD DISCHARGE

PHOTO 25: GHT PUMP ROOM STARBOARD SHELL LOOKING AFT

DIAGRAM 2: UT LOCATIONS FOR GHT PUMP ROOM STARBOARD BILGE AREA BETWEEN FRAME 160 AND FRAME 166.

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- 5) REPLACE SHELL PLATING FROM ONE FOOT FORWARD OF FRAME 160 TO FRAME 164 FROM PLATE JOINT LOCATED 18 INCHES ABOVE THE HULL TO TANK INTERSECTION (IN BILGE AREA) TO SIX INCHES ALONG THE HULL BELOW THE TANK BULKHEAD TO HULL INTERSECTION (IN TANK).

PHOTO 55: CHT PUMP ROOM STARBOARD BILGE LOOKING OUTBOARD, UT AREA.

- 6) REPLACE TANK PLATING IN STARBOARD SIDE BILGE AREA FROM HULL TO TANK INTERSECTION UP EIGHT INCHES ALONG TANK BOUNDARY FROM ONE FOOT FORWARD OF FRAME 160 TO FRAME 164.

PHOTO 56: CHT PUMP ROOM STARBOARD BILGE LOOKING INBOARD, UT AREA.

DIAGRAM 3: UT LOCATIONS FOR CHT PUMP ROOM HULL BELOW OVERBOARD VALVE
4-172-2

NOTE: CHT PUMP ROOM STARBOARD SIDE INBOARD TANK BULKHEAD IN BILGE AREA BETWEEN FRAME 267 AND FRAME 272 UT READINGS INDICATE, IN SEVERAL SCATTERED POINTS, BELOW THE MINIMUM ALLOWABLE THICKNESS ALONG A SECTION FROM THE TANK TOP TO EIGHT INCHES BELOW THE TANK TOP ALONG THE OUTBOARD SIDE. READINGS TAKEN WERE: 0.189 (UNSAT), 0.191 (UNSAT), 0.226 (SAT) AND 0.230 (SAT).

FIRE PUMP ROOM 4-172-1-E

ANTI-SWEAT PAINT AND LAGGING

MOISTURE METER READINGS:

0 TO 23 %

NOTE: TANK TOP PAINT COATING SATISFACTORY.

- 1) CLEAN AND PRESERVE FIRE PUMP FOUNDATION.
- 2) CLEAN AND PRESERVE BILGE AREA AND REPLACE ASSOCIATED ANTI-SWEAT PAINT STARBOARD SIDE FROM FRAME 172 TO FRAME 180 FROM THE TURN OF TANK TOP LONGITUDINAL UP TO AND INCLUDING THE SECOND LONGITUDINAL FROM THE TURN OF THE TANK TOP.

EDUCTOR ROOM- 5-51-Q-Q

ANTI-SWEAT PAINT

- 1) CLEAN AND PRESERVE WEBS ON ALL LONGITUDINAL STIFFENERS.
- 2) REMOVE AND REPLACE EIGHT FEET OF 1-7/8-INCH X 3-INCH T-BEAM TRANSVERSE STIFFENING LOCATED 24 INCHES FORWARD OF FRAME 56 FROM CENTERLINE TO LONGITUDINAL NO. 2 PORT AND LONGITUDINAL NO. 2 STARBOARD.
- 3) CLEAN AND PRESERVE SHELL AND STRUCTURE IN BILGE AREA LONGITUDINAL NO. 2 STARBOARD TO LONGITUDINAL NO. 2 PORT FRAME 51 TO FRAME 55.
- 4) REMOVE AND REPLACE EXISTING 3-INCH X 3-INCH ANGLE IRON, EIGHT LINEAR FEET.
- 5) REMOVE AND REPLACE EXISTING 4-INCH X 4-INCH T BEAM DECK PLATE SUPPORTS, THREE LINEAR FEET.

NOTE: GENERAL PAINT FAILURE AND SURFACE RUST IN BILGE AREA, 10% SCALING.

PHOTO 1: EDUCTOR ROOM BILGE AREA PORTSIDE BELOW DECK PLATES

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PHOTO 2: EDUCTOR ROOM BILGE AREA PORTSIDE BELOW DECK PLATES.

PHOTO 3: EDUCTOR ROOM BILGE AREA PORTSIDE BELOW DECK PLATES.

PHOTO 4: EDUCTOR ROOM BILGE AREA STARBOARD SIDE BELOW EDUCTOR.

PHOTO 51: EDUCTOR ROOM BILGE AREA AFT PORTSIDE LOOKING OUTBOARD

PHOTO 52: EDUCTOR ROOM BILGE AREA AFT PORTSIDE LOOKING FORWARD, DECK
PLATE SUPPORT FRAMING THINNING AND DETERIORATION.

PHOTO 53: EDUCTOR ROOM PORTSIDE HULL LONGITUDINALS DETERIORATED LOOKING
OUTBOARD

NOTE: STAINLESS STEEL DECK PLATES ARE DETERIORATING THE STEEL DECK SUPPORTS.

6) REPLACE ROSE BOX IN AFT PORT BILGE SECTION.

AUXILIARY MACHINERY ROOM No. 1 5-180-0-E

LAGGING AND PAINTED STRUCTURE.

MOISTURE METER READINGS:

0 TO 60%

1) REPLACE TWO LINEAR FEET OF L6P FROM FRAME 204 TO TWO FEET FORWARD OF
FRAME 204.

2) REPLACE FOUR LINEAR FEET OF L7P FROM FRAME 204 TO FOUR FEET FORWARD OF
FRAME 204

3) CLEAN AND PRESERVE ENTIRE BILGE AREA FROM SHELL TO SHELL, FRAME 180 TO
FRAME 212.

NOTE: FROM FRAME 204 TO FOUR FEET FORWARD OF FRAME 204 AND CENTERLINE TO
L8P INCLUDING THE BOTTOM TWO FEET OF THE FORWARD TANK BULKHEAD AT
FRAME 204 IS HEAVILY CORRODED DUE TO LONG TERM SEAWATER LEAKAGE.

NOTE: SHELL PORTSIDE BELOW THE BALLAST LOCATED BETWEEN LONGITUDINAL No. 7
PORT AND LONGITUDINAL No. 9 PORT INCLUSIVE IS SUSPECTED OF REQUIRING
REPLACEMENT. THIS IS LOCATED BETWEEN FRAME 204 AND THE TRANSVERSE
WEB FRAME AT FRAME 196.

4) REPLACE LONGITUDINAL No. 7 AND 8 PORTSIDE BETWEEN THE BULKHEAD AT FRAME
204 AND THE TRANSVERSE WEB FRAME AT FRAME 196 INCLUDING THE BALLAST
FRAMING SYSTEM OF BOLTS, PLATING AND STRUCTURAL MEMBERS.

NOTE: TOP OF 5-188-2-F HYDRAULIC OIL SUPPLY TANK IS RUSTED AND EXFOLIATED.
CLEAN AND PRESERVE SEVEN INCH BY EIGHT FEET SECTION.

NOTE: THERE IS A FOUR FEET SECTION OF CENTERLINE BEAM CENTERED ON, BELOW AND
INBOARD THE FTD 4-197-2 (ENTRANCE TO No. 1 SSDG) WHICH IS RUSTED AND
EXFOLIATED. THIS PAINT BREAKDOWN AREA INCLUDES PIPES. THIS COULD BE
ATTRIBUTED TO IMPROPER INITIAL PRESERVATION IN THIS AREA. COVERED IN 3).

PHOTO 26: AMR 1 LONGITUDINAL No. 7 TO 8 PORTSIDE BALLAST AREA AT FRAME
204.

PHOTO 27: AMR 1 LONGITUDINAL No. 6 TO 8 PORTSIDE AT FRAME 204.

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PHOTO 28: AMR 1 LONGITUDINAL No. 7 TO 8 PORTSIDE AT FRAME 196 INCLUDING BALLAST.

PHOTO 29: AMR 1 LONGITUDINAL No. 5 TO 6 PORTSIDE AT FRAME 180 INCLUDING BALLAST.

PHOTO 30: AMR 1 LONGITUDINAL No. 6 TO 7 PORTSIDE AT FRAME 180 BALLAST AND FUNNEL FOR SSDG JACK WATER COOLER.

PHOTO 31: AMR 1 LONGITUDINAL No. 8 TO 9 PORTSIDE, FRAME 180 TO 188 BALLAST BELOW 5-183-2-F

PHOTO 32: AMR 1 LONGITUDINAL No. 7 TO 8 PORTSIDE AT FRAME 204 INCLUDING FILLED FUNNEL.

5) FOR THE FOLLOWING AREAS REMOVE FIXED BALLAST, CLEAN, UT AREAS EXPOSED BY REMOVALS TO DETERMINE REPAIR ACTION NECESSARY TO SHELL PLATING AND LONGITUDINAL No. 6 TO LONGITUDINAL No. 9 PORT.

- FRAME 180 TO 56 INCHES AFT OF FRAME 180, PORTSIDE BETWEEN LONGITUDINAL No. 5 TO LONGITUDINAL No. 6 PORT.
- FRAME 180 TO 8 FEET AFT OF FRAME 180, PORTSIDE BETWEEN LONGITUDINAL No. 6 TO LONGITUDINAL No. 8 PORT.
- THREE FEET AFT OF FRAME 180 TO 8 FEET AFT OF FRAME 180, PORTSIDE BETWEEN LONGITUDINAL No. 8 TO LONGITUDINAL No. 9 PORT.

NOTE: LONG TERM LEAKAGE OF THE SEAWATER DRAIN FUNNEL AT FRAME 204 INDICATES DETERIORATED SECTIONS ON THE FRINGES OF THE AREAS INDICATED ABOVE.

NOTE: AMR 1 UT READINGS AT FRAME 204 (FWD OF) OF SHELL PLATING BETWEEN LONGITUDINAL No. 6 AND LONGITUDINAL No. 7 PORT READ 0.366. THIS WAS SIX INCHES BELOW LONGITUDINAL No. 7 AND THREE INCHES FWD OF FRAME 204. THE ENTIRE AREA IS TOO ROUGH TO READ. CLEAN AND UT AREA.

PHOTO 57: AMR 1 UT AREA LOWER LEVEL PORTSIDE FWD FRAME 204 BETWEEN LONGITUDINAL No. 6 AND LONGITUDINAL No. 7 PORT.

PHOTO 58: AMR 1 LOWER LEVEL PORTSIDE FWD FRAME 204 BETWEEN LONGITUDINAL No. 6 AND LONGITUDINAL No. 7 PORT LOOKING AT LONGITUDINAL No. 6 PORT.

SSDG No 1 5-180-01-E

ANTI-SWEAT PAINT AND PAINT

NOTE: BILGES ARE OIL FILLED.

NOTE: THE TOP THREE STARBOARD SIDE LONGITUDINALS FROM THE OVERHEAD BETWEEN FRAME 180 TO FRAME 188 HAVE SCALE AND RUST.

1) CLEAN AND PRESERVE THE TOP THREE STARBOARD SIDE LONGITUDINALS FROM THE OVERHEAD BETWEEN FRAME 180 TO FRAME 188.

AUXILIARY MACHINERY ROOM No. 2 5-212-0-E

LAGGING AND PAINTED STRUCTURE

MOISTURE METER READINGS:
30 TO ALARM

1) CLEAN AND PRESERVE LONGITUDINAL No. 9 TO 12 STARBOARD SIDE FRAME 212 TO FRAME 228.

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- 2) CLEAN AND PRESERVE ENTIRE BILGE AREA FROM SHELL TO SHELL FRAME 212 TO FRAME 250.

NOTE: BILGES ARE GENERALLY IN GOOD CONDITION, ISOLATED PAINT FAILURE.

- 3) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE FRAMES 220 TO FRAME 226 BETWEEN AND INCLUDING LONGITUDINAL NO. 11 AND 12 STARBOARD SIDE.

- 4) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE FRAME 212 TO FRAME 228 BETWEEN AND INCLUDING LONGITUDINAL NO. 9 AND 10 STARBOARD SIDE.

- 5) CLEAN AND PRESERVE LONGITUDINAL NO. 10 TO 16 PORTSIDE FRAME 212 TO FRAME 228.

- 6) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE FRAME 212 TO FRAME 220 BETWEEN AND INCLUDING LONGITUDINAL NO. 11 TO 13 PORTSIDE.

NOTE: NO OBSERVABLE LEAK BUT PROBABLY HPAC SW COOLING AND COND & AIR COMPRESSOR COOLING WATER OVERBOARD DISCHARGE.

- 7) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE FRAMES 220 TO 226 BETWEEN AND INCLUDING LONGITUDINAL NO. 11 TO 16 PORTSIDE.

NOTE: NO OBSERVABLE LEAK BUT PROBABLY OVERBOARD VALVES (ISOLATED INCIDENT).

- 8) REPLACE LONGITUDINAL LOWER LEVEL PORTSIDE LONGITUDINAL NO. 8 FROM 50 INCHES AFT OF FRAME 212 TO FRAME 220 (TRANSVERSE BEAM).

NOTE: HP DRAIN SYSTEM REQUIRES REPAIR (STARTS AT INBOARD SIDE OF HP AIR COMPRESSOR UPPER LEVEL).

- 9) CLEAN AND PRESERVE UNLAGGED SHELL PLATING ABOVE THE BILGE LEVEL FRAME 220 TO FRAME 228, LONGITUDINAL NO. 10 TO 11 PORTSIDE.

- 10) CLEAN AND PRESERVE FRAME 220 TRANSVERSE MEMBER PORTSIDE FROM LONGITUDINAL NO. 5 TO 14.

- 11) REPLACE THE TOP OF FRAME 220 PORTSIDE TRANSVERSE MEMBER FROM LONGITUDINAL NO. 6 TO 9.

NOTE: LIGHTENING HOLES ARE MISSING ON PORTSIDE FRAME 220 TRANSVERSE MEMBER FOR LONGITUDINAL NO. 8 AND ABOVE ON ALL LONGITUDINALS.

NOTE: COOLING WATER OVERBOARD IS THE POSSIBLE SOURCE OF LEAKAGE, TWO FEET FORWARD OF FRAME 220 TRANSVERSE WEB PORTSIDE.

- 12) CLEAN AND PRESERVE I-BEAMS AND HORIZONTAL AND VERTICAL DECK SUPPORTS AROUND AND BELOW THE UPPER LEVEL PORTSIDE HPAC.

- 13) CLEAN AND PRESERVE PORTSIDE HPAC FOUNDATION.

NOTE: LEAKING HP DRAIN FUNNEL AFT INBOARD CORNER OF AMR 2 PORTSIDE HPAC FOUNDATION.

PHOTO 33: AMR 2 LOWER LEVEL PORTSIDE BELOW HPAC, HPAC FOUNDATION

PHOTO 34: AMR 2 LOWER LEVEL PORTSIDE FRAME 220 TRANSVERSE MEMBER (TOP)

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PHOTO 35: AMR 2 LOWER LEVEL PORTSIDE FRAME 220 TRANSVERSE MEMBER INTERFACE WITH LONGITUDINAL NO. 8 PORT.

PHOTO 36: AMR 2 HPAC FORWARD PORT (AFT INBOARD CORNER DRAIN AND FOUNDATION)

PHOTO 37: AMR 2 COND AND AIR COMPRESSOR COOLING WATER OVERBOARD DISCHARGE ASW-V21-3-216-2 BEHIND HPAC UPPER LEVEL FRAME 216.

PHOTO 38: AMR 2 DETERIORATION FROM COND AND AIR COMPRESSOR COOLING WATER OVERBOARD DISCHARGE ASW-V21-3-216-2 BEHIND HPAC UPPER AND LOWER LEVELS

PHOTO 39: AMR 2 LPAC UPPER LEVEL STARBOARD SIDE FORWARD, I-BEAMS BELOW LPAC IN AFT OUTBOARD CORNER, DRAIN FUNNEL LEAKS.

PHOTO 40: AMR 2 AREA BELOW LPAC LONGITUDINAL NO. 6 TO 8 STARBOARD INTERSECTION WITH FRAME 220 TRANSVERSE BEAM.

14) CLEAN AND PRESERVE I-BEAMS AND HORIZONTAL AND VERTICAL DECK SUPPORTS AROUND AND BELOW THE UPPER LEVEL STARBOARD SIDE LPAC.

15) CLEAN AND PRESERVE FRAME 220 STARBOARD SIDE TRANSVERSE BEAM FROM LONGITUDINAL NO. 6 TO 11.

16) CLEAN AND PRESERVE AMR 2 STARBOARD SIDE LPAC FOUNDATION.

NOTE: AMR 2 LOWER LEVEL PORTSIDE BETWEEN LONGITUDINAL NO. 3 AND 5 AND FIVE FEET FORWARD OF SSDG SW CLG PUMP SEA CHEST FWD BULKHEAD, TOO ROUGH TO RECEIVE UT SIGNAL,

PHOTO 59: AMR 2 LOWER LEVEL PORTSIDE BETWEEN LONGITUDINAL NO. 3 AND 4 AND FORWARD OF SSDG SW CLG PUMP SEA CHEST FWD BULKHEAD,

PHOTO 60: AMR 2 LOWER LEVEL PORTSIDE BETWEEN LONGITUDINAL NO. 4 AND 5 AND FIVE FEET FORWARD AND OUTBOARD OF SSDG SW CLG PUMP SEA CHEST FWD BULKHEAD,

NOTE: AMR 2 LOWER LEVEL STARBOARD SIDE BETWEEN LONGITUDINAL NO. 3 AND 5 AND FIVE FEET FORWARD OF SSDG SW CLG PUMP SEA CHEST FWD BULKHEAD LIMITED CORROSION BUT NOT AS EXTENSIVE AS PORTSIDE.

PHOTO 61: AMR 2 LOWER LEVEL STARBOARD SIDE BETWEEN LONGITUDINAL NO. 3 AND 4 AND FORWARD OF SSDG SW CLG PUMP SEA CHEST FWD BULKHEAD,

PHOTO 62: AMR 2 LOWER LEVEL STARBOARD SIDE BETWEEN LONGITUDINAL NO. 4 AND 5 AND FIVE FEET FORWARD AND OUTBOARD OF SSDG SW CLG PUMP SEA CHEST FWD BULKHEAD,

NOTE: AMR 2 LOWER LEVEL PORTSIDE FRAME 212 LONGITUDINAL 9 BELOW EDUCTOR OVERBOARD MD-V24-5-212-2 READINGS ARE 0.205, 0.200, 0.214, 0.260, 0.260, AND 0.206,

17) REPLACE TWO FEET SECTION OF LONGITUDINAL NO. 9 PORTSIDE CENTERED ON THE LOCATION OF EDUCTOR OVERBOARD MD-V24-5-212-2.

NOTE: AMR 2 LOWER LEVEL PORTSIDE FRAME 212 LONGITUDINAL NO. 8 BELOW EDUCTOR OVERBOARD, UT READINGS 0.260 AND 0.272, SATISFACTORY.

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NOTE: AMR 2 LOWER LEVEL PORTSIDE FRAME 212 SHELL BETWEEN LONGITUDINAL NO. 9 AND 10, UT READINGS 0.380 (BELOW PLATE JOINT), SATISFACTORY.

NOTE: AMR 2 LOWER LEVEL PORTSIDE FRAME 212 SHELL BETWEEN LONGITUDINAL NO. 10 AND 11, UT READINGS 0.285 (ABOVE PLATE JOINT), SATISFACTORY.

NOTE: AMR 2 LOWER LEVEL PORTSIDE FRAME 220, LONGITUDINAL NO. 8 WEB, UT READING 0.250, SATISFACTORY.

NOTE: AMR 2 LOWER LEVEL PORTSIDE FRAME 220, LONGITUDINAL NO. 9 WEB, UT READING 0.240, SATISFACTORY

18) AMR 2 LOWER LEVEL REPLACE LONGITUDINAL NO. 8 PORTSIDE FROM FRAME 220 TRANSVERSE TO THREE FEET FORWARD OF FRAME 220. COVERED ABOVE.

PHOTO 63: AMR 2 LOWER LEVEL FRAME 220 AND LONGITUDINAL NO. 8 PORTSIDE INTERSECTION LOOKING AFT.

SSDG No 2 5-226-1-E

PAINT

NOTE: OVERALL 40% PAINT FAILURE DUE TO OIL SATURATION, BILGES REQUIRE CLEANING.

1) CLEAN AND PRESERVE ALL SHELL AND STRUCTURE IN SSDG No. 2 ENCLOSURE

PHOTO 41: BEHIND START AIR FLASK FORWARD STARBOARD SIDE OF SSDG No. 2.

SSDG No 3 5-226-2-E

PAINT

NOTE: OVERALL 40% PAINT FAILURE DUE TO OIL SATURATION, BILGES REQUIRE CLEANING.

1) CLEAN AND PRESERVE ALL SHELL AND STRUCTURE IN SSDG No. 3 ENCLOSURE.

MAIN ENGINE ROOM 5-250-0-E

LAGGING AND PAINT

MOISTURE METER READINGS:

20 TO ALARM

1) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE FRAME 250 TO FWD END OF LUBE OIL STORAGE TANK 1A, LONGITUDINAL NO. 2 TO 5 FROM OVERHEAD PORTSIDE LOWER LEVEL.

NOTE: POSSIBLE SOURCE OF LEAK IS SEA CHEST VENT MSW-V66 (3-252-2), EM BELT CO PMA-V5B, (3-253-2), EDUCTOR OVERBOARD MD-V4 (3-255-2), EDUCTOR COV 3-260-2 OR OVERBOARD 3-267-2.

2) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE ABOVE PORTSIDE LUBE OIL STORAGE TANKS 1A AND 1B AFT TO FRAME 288 FROM TANK TOP TO LONGITUDINAL NO. 1 FROM OVERHEAD OF LOWER LEVEL, INCLUDE SIX INCHES INBOARD OF TANK TOPS.

NOTE: CAUSE UNKNOWN BUT LAGGING TRAPPED WATER BETWEEN TANK TOP AND SHELL.

3) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE FRAME 250 TO FWD END OF 1A LUBE OIL SETTLING TANK, LONGITUDINAL NO. 2 TO 5 FROM OVERHEAD STARBOARD SIDE LOWER LEVEL.

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NOTE: POSSIBLE SOURCE OF LEAK IS ASW-V7(3-264-1), 3-268-1, 3-265-1, 3-262-3, 3-262-1, 3-255-1 AND OVERBOARD LOWER LEVEL FORWARD STARBOARD CORNER OVERHEAD.

- 4) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE ABOVE STARBOARD SIDE LUBE OIL SETTling TANKS 1A AND 1B AFT TO FRAME 288 FROM TANK TOP TO LONGITUDINAL NO. 1 FROM OVERHEAD OF LOWER LEVEL, INCLUDE SIX INCHES INBOARD OF TANK TOPS.
- 5) REPLACE LONGITUDINAL STRINGERS FROM 1A LUBE OIL STORAGE TANK FORWARD TO 1ST TRANSVERSE BEAM (APPROXIMATELY 17 INCHES), LONGITUDINAL NO. 3 TO 6 FROM OVERHEAD LOWER LEVEL PORTSIDE.

NOTE: POSSIBLE SOURCE OF LEAK IS PRAIRIE MASKER AIR COOLER.

PHOTO 42: MER LOWER LEVEL PORTSIDE BELOW DECK PLATES, AFT OF SEAWATER STRAINER FOR 1B GTM, SHOWING BALLAST.

PHOTO 43: MER LOWER LEVEL PORTSIDE BELOW DECK PLATES, AFT OF SEAWATER STRAINER FOR 1B GTM, SHOWING SALT BUILDUP AND DETERIORATION.

PHOTO 44: MER LOWER LEVEL PORTSIDE FORWARD 1A LUBE OIL STORAGE TANK, LONGITUDINAL NO. 4, 5 AND 6 FROM OVERHEAD.

PHOTO 45: MER LOWER LEVEL PORTSIDE FORWARD 1A LUBE OIL STORAGE TANK, LONGITUDINAL NO. 4, 5 AND 6 FROM OVERHEAD AND PMA AFT END.

PHOTO 46: MER LOWER LEVEL PORTSIDE FORWARD 1A LUBE OIL STORAGE TANK, LONGITUDINAL NO. 5 FROM OVERHEAD AND PMA AFT END.

PHOTO 47: MER LOWER LEVEL STARBOARD SIDE ASW-V7-GTRB CLR OVBD DISCHARGE FRAME 264.

PHOTO 48: MER LOWER LEVEL STARBOARD SIDE ASW-V7-GTRB CLR OVBD DISCHARGE FRAME 264.

PHOTO 49: MER LOWER LEVEL STARBOARD SIDE FORWARD FRAME 263 TRANSVERSE FRAME INTERSECTION, TYPICAL T-BEAM DETERIORATION.

PHOTO 50: MER LOWER LEVEL STARBOARD SIDE FORWARD OF ESCAPE TRUNK, OUTBOARD 1A GTM, PROPERLY PRESERVED BILGES.

NOTE: BILGE INSPECTION INDICATES SEVERAL AREAS OF MINOR PAINT FAILURE BUT OVERALL BILGES WITHOUT THE BALLAST INSTALLED ARE IN GOOD CONDITION.

PHOTO 95: MER LOWER LEVEL PORTSIDE AFT OF TRANSVERSE FRAME 259, BEHIND PMA COOLER, DETERIORATED BEAM AND SOAKED LAGGING.

PHOTO 74: MER LOWER LEVEL BILGE AREA, STARBOARD SIDE, FRAME 262, INDICATES SALT BUILDUP.

- 6) MER STARBOARD SIDE LOWER LEVEL BILGE AREA, REMOVE AND REINSTALL ONE ROW BALLAST FROM FRAMES 256 TO FRAME 270 BETWEEN LONGITUDINAL NO.1 AND 2 OFF TANK 5-250-1-F. CLEAN AND PRESERVE IN WAY OF BALLAST REMOVAL.
- 7) MER PORTSIDE LOWER LEVEL BILGE AREA, REMOVE AND REINSTALL TWO ROWS OF BALLAST FROM FRAMES 250 TO 258 BETWEEN LONGITUDINAL NO. 2 AND 4 OFF TANK 5-250-2-F. CLEAN AND PRESERVE IN WAY OF BALLAST REMOVAL.

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8) MER PORTSIDE LOWER LEVEL BILGE AREA, REMOVE AND REINSTALL THREE ROWS OF BALLAST FROM FRAMES 258 TO 264 BETWEEN TANK 5-250-2-F AND L3 OFF TANK 5-250-2-F. CLEAN AND PRESERVE IN WAY OF BALLAST REMOVAL.

9) MER PORTSIDE LOWER LEVEL BILGE AREA, REMOVE AND REINSTALL TWO ROWS OF BALLAST FROM FRAMES 264 TO 270 BETWEEN LONGITUDINAL NO. 1 AND 3 OFF TANK 5-250-2-F. CLEAN AND PRESERVE IN WAY OF BALLAST REMOVAL.

PHOTO 72: GOOD BILGE PRESERVATION MER LOWER LEVEL STARBOARD SIDE, FWD AND BELOW THE STARBOARD ESCAPE TRUNK.

PHOTO 73: GOOD BILGE PRESERVATION MER LOWER LEVEL STARBOARD SIDE, FWD AND BELOW THE STARBOARD ESCAPE TRUNK.

NOTE: MER LOWER LEVEL PORT SIDE FWD OF 1A LUBE OIL SERVICE TANK TO FRAME 269, BETWEEN LONGITUDINAL NO. 3 AND 4 FROM TOP, 0.33 AND 0.34, SATISFACTORY.

NOTE: MER LOWER LEVEL PORT SIDE FWD OF 1A LUBE OIL SERVICE TANK TO FRAME 269, BETWEEN LONGITUDINAL NO. 4 AND 5 FROM TOP, COULD NOT OBTAIN READING. AFTER POWERTOOL AND CLEAN, CONDUCT UT.

AUXILIARY MACHINERY ROOM NO. 3 5-292-0-E

LAGGING AND PAINT

MOISTURE METER READINGS:

10 TO ALARM

1) REPLACE JP-5 FILTER DRIP PAN UPPER LEVEL STARBOARD SIDE FRAME 320 APPROXIMATELY FOUR FEET OFF CENTERLINE.

2) CLEAN AND PRESERVE BILGE AREA FROM FRAME 292 TO FRAME 328 SHELL TO SHELL.

3) CLEAN AND PRESERVE NO. 4 FIRE PUMP FOUNDATION LOWER LEVEL STARBOARD SIDE.

PHOTO 75: NO. 4 FIRE PUMP FOUNDATION LOWER LEVEL, STARBOARD SIDE, FORWARD END OF FOUNDATION, AMR 3.

4) REPLACE WASTE WATER TANK AFTER BULKHEAD BETWEEN LONGITUDINAL NO.1 AND 2 STARBOARD FROM HULL TO TOP OF TANK.

5) REPLACE LONGITUDINAL NO. 2 STARBOARD FROM AFT END OF WASTE WATER TANK TO ONE FOOT AFT OF WASTE WATER TANK.

PHOTO 76: WASTE WATER TANK AFT BULKHEAD BETWEEN LONGITUDINAL NO. 1 AND 2 STARBOARD INCLUDING PIPE COLLAR TO TANK, AMR 3 LOWER LEVEL STARBOARD SIDE.

6) CLEAN AND PRESERVE WASTE WATER DRAIN PUMP FOUNDATION.

PHOTO 77: AMR 3, LOWER LEVEL STARBOARD SIDE, WASTE WATER DRAIN PUMP FOUNDATION INBOARD SIDE LOOKING OUTBOARD.

PHOTO 78: AMR 3, LOWER LEVEL STARBOARD SIDE, WASTE WATER TANK AT LONGITUDINAL NO. 1 STARBOARD SIDE AFT OF TANK.

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PHOTO 79: AMR 3, LOWER LEVEL, STARBOARD SIDE, WASTE WATER TANK AT LONGITUDINAL No. 1 STARBOARD SIDE AFT OF TANK.

PHOTO 80: DECK PLATE SUPPORTS STARBOARD SIDE FRAME 292 LOOKING FORWARD, REPLACEMENT REQUIRED. AMR3 LOWER LEVEL STARBOARD SIDE BELOW PKP BOTTLE FOUNDATION.

7) REPLACE DECK PLATE SUPPORT AND ANGLE IRONS EIGHT FEET AFT OF FRAME 292, TWO FEET OUTBOARD OF CENTERLINE, APPROXIMATELY 21-INCH BY 29-INCH AREA OF PLATING. AMR 3 LOWER LEVEL STARBOARD SIDE.

8) REPLACE SEA CHEST FOR No. 4 AND 5 FIRE PUMP SEAWATER SUCTIONS LOCATED FOUR FEET AFT OF FRAME 300, TWO FEET OUTBOARD OF CENTERLINE TO STARBOARD BETWEEN LONGITUDINAL No. 1 AND 2 STARBOARD, AMR 3 LOWER LEVEL.

9) REPLACE SEA CHEST FOR SSDG SW CLG PUMP LOCATED FIVE FEET AFT OF FRAME 300 BETWEEN LONGITUDINAL No. 1 AND 2 PORT. AMR 3 LOWER LEVEL.

PHOTO 81: No. 4 AND 5 FIRE PUMP SEA CHEST, LOWER LEVEL STARBOARD SIDE AMR 3 LOOKING OUTBOARD.

NOTE: PIPING TO No. 4 AND 5 SEA CHEST IN AMR 3 LOWER LEVEL STARBOARD SIDE HEAVILY EXFOLIATED (No. 4 AND 5 FIRE PUMP SEAWATER SUCTION).

10) REPLACE THE LOWER SIX FEET OF TWO 6-INCH DIAMETER STANCHIONS LOCATED AT FRAME 308 LOWER LEVEL AMR 3 AT TWO FEET OUTBOARD CENTERLINE TO STARBOARD AND TWO FEET OUTBOARD CENTERLINE TO PORT.

PHOTO 82: SIX INCH DIAMETER STANCHION LOCATED FRAME 308 LOWER LEVEL AMR 3 AT TWO FEET OUTBOARD CENTERLINE TO STARBOARD, LOOKING AFT.

PHOTO 82: SIX INCH DIAMETER STANCHION LOCATED FRAME 308 LOWER LEVEL AMR 3 AT TWO FEET OUTBOARD CENTERLINE TO PORT, LOOKING AFT. INCLUDES TRANSVERSE MEMBER AT FRAME 308 AND TOP OF SSDG SW CLG PUMP SEA CHEST (AFT INBOARD CORNER).

11) REPLACE IN ITS ENTIRETY SIX FEET EACH SIDE OFF CENTERLINE THE DEEP TRANSVERSE WEB LOCATED AMR 3 LOWER LEVEL FRAME 308.

PHOTO 84: AMR 3 LOWER LEVEL, PORTSIDE FORWARD END OF SSDG SW CLG PUMP SEA CHEST LOOKING AFT.

PHOTO 85: AMR 3 LOWER LEVEL, PORTSIDE TRANSVERSE WEB LOCATED AT FRAME 308 BETWEEN LONGITUDINAL No. 2 AND 3 PORT LOOKING AFT AND DOWN.

12) REPLACE SHELL PLATING IN AMR 3 LOWER LEVEL PORTSIDE FROM SIX FEET TO PORT OF CENTERLINE FROM FOUR FEET FORWARD OF FRAME 308 TO TWO FEET AFT OF FRAME 308, 36 SQUARE FEET.

PHOTO 86: AMR 3 LOWER LEVEL PORTSIDE TANK 3-292-0-W INBOARD BULKHEAD, BELOW SSDG ENCLOSURE (LOOKING OUTBOARD). LAGGING OIL SOAKED.

PHOTO 87: AMR 3 LOWER LEVEL, FORWARD SIDE OF FRAME 316 PORTSIDE.

13) REPLACE SIX LINEAR FEET OF 10-INCH BY 4-INCH VERTICAL T-BEAM ON FRAME 316 AT LONGITUDINAL No. 1 PORT.

14) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE FROM HULL TO BOTTOM OF No. 4 SSDG ENCLOSURE, LOWER LEVEL AMR 3 PORTSIDE FRAME 308 TO FRAME 316, APPROXIMATELY FIVE FEET BY EIGHT FEET SECTION.

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NOTE: DISTILLATE PUMP VALVE CONTROLLER NO. 2 IS EXTREMELY DETERIORATED, REQUIRES REPLACEMENT AND IS CONSIDERED A SHOCK HAZARD.

15) REPLACE THE LOWER SIX INCHES PORTSIDE FRAME 316 WEB FROM THE CENTERLINE TO THE INBOARD BULKHEAD OF TANK 3-292-2-W, PORTSIDE LOWER LEVEL AMR 3.

16) CLEAN AND PRESERVE THE SSDG SW CIRCULATING PUMP FOUNDATION PORTSIDE LOWER LEVEL OUT BOARD LONGITUDINAL NO. 3 PORT AMR 3.

NOTE: SSDG SW CIRCULATING PUMP STRAINER FOUNDATION IS IN EARLY STAGES OF DETERIORATION.

17) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE FROM FRAME 316 TO FRAME 324 PORTSIDE FROM HULL PLATING TO ONE FOOT ABOVE HULL PLATING ON INBOARD BULKHEAD OF POTABLE WATER TANK 3-308-2-W, BULKHEAD IS OUTBOARD LONGITUDINAL NO. 3 PORT, AMR 3 LOWER LEVEL.

NOTE: OIL DRAIN LOWER LEVEL PORTSIDE FRAME 320 IS FILLED AND CLOGGED, OUTBOARD LONGITUDINAL NO. 2 PORT.

18) REPLACE FRAME 324 PORTSIDE BULKHEAD LOWER LEVEL AMR 3 FROM STERN TUBE COVER TO LONGITUDINAL NO. 1 PORT BETWEEN THE HULL AND ONE FOOT ABOVE THE SHELL PLATING.

19) REPLACE FRAME 326 PORTSIDE STRUCTURAL MEMBER LOWER LEVEL AMR 3 BETWEEN STERN TUBE COVER AND LONGITUDINAL NO. 1 PORT FROM THE HULL AND ONE FOOT ABOVE THE HULL PLATING.

PHOTO 88: AMR 3 LOWER LEVEL, FRAME 324 AFT SIDE, PORTSIDE LOOKING FORWARD.

PHOTO 89: AMR 3 LOWER LEVEL, FRAME 326 FORWARD SIDE, PORTSIDE LOOKING AFT.

20) REPLACE DECK PLATE STRUCTURE FORWARD OF FRAME 316 STARBOARD SIDE LOWER LEVEL BETWEEN LONGITUDINAL NO. 1 AND 2 STARBOARD, LENGTH SIX FEET LONG BY 28 INCHES WIDE AVERAGE.

21) CLEAN AND PRESERVE THE NO. 5 FIRE PUMP FOUNDATION LOCATED FORWARD FOR FRAME 316 BETWEEN LONGITUDINAL NO. 2 AND 4 STARBOARD.

PHOTO 90: AMR 3 LOWER LEVEL, STARBOARD SIDE LOOKING AFT AT FRAME 316 INCLUDING DECK PLATE STRUCTURE REQUIRING REPLACEMENT.

PHOTO 91: AMR 3 LOWER LEVEL, OUTBOARD SIDE NO. 5 FIRE PUMP FOUNDATION LOOKING INBOARD AND FORWARD.

22) REPLACE LONGITUDINAL NO. 6 TO 9 PORTSIDE FROM OVERHEAD (LONGITUDINAL NO. 1 TO 4 PORTSIDE OUTBOARD TANK 5-308-2-W) FROM AFT END OF DIESEL ENCLOSURE TO THREE FEET AFT OF THE DIESEL ENCLOSURE.

PHOTO 92: AMR 3 LOWER LEVEL BELOW 3-319-2 DIESEL GENERATOR COOLING WATER OVERBOARD LOOKING AT SHELL LONGITUDINAL NO. 6 PORT FROM OVERHEAD.

PHOTO 93: AMR 3 LOWER LEVEL BELOW 3-319-2 DIESEL GENERATOR COOLING WATER OVERBOARD LOOKING AT SHELL LONGITUDINAL NO. 7 AND 8 PORTSIDE FROM OVERHEAD.

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PHOTO 94: AMR 3 LOWER LEVEL BELOW 3-319-2 DIESEL GENERATOR COOLING WATER OVERBOARD LOOKING AT SHELL LONGITUDINAL NO. 8 AND 9 PORTSIDE FROM OVERHEAD.

PHOTO 64: AMR 3 LOWER LEVEL STARBOARD SIDE AFT BULKHEAD OF WASTE WATER TANK AND LONGITUDINAL NO. 1 STARBOARD LOOKING DOWN AND OUTBOARD.

PHOTO 65: AMR 3 LOWER LEVEL STARBOARD SIDE WASTE WATER TANK TOP.

PHOTO 66: AMR 3 LOWER LEVEL PORT SIDE PORT STANCHION AND TRANSVERSE MEMBER FRAME 308 LOOKING AFT, TOP OF DIESEL GENERATOR COOLING WATER SUCTION SEA CHEST.

PHOTO 67: AMR 3 LOWER LEVEL PORT SIDE FRAME 308, LONGITUDINAL NO 1 PORTSIDE AND DIESEL GENERATOR COOLING WATER SUCTION SEA CHEST.

PHOTO 68: AMR 3 LOWER LEVEL PORT SIDE BETWEEN FRAME 308 AND 316, WELD SEAM OUTBOARD LONGITUDINAL NO. 3 PORTSIDE, UT AREA.

PHOTO 69: AMR 3 LOWER LEVEL PORT SIDE BETWEEN FRAME 308 AND 316, TANK BULKHEAD LAGGING OIL SOAKED. LOOKING OUTBOARD.

PHOTO 70: AMR 3 LOWER LEVEL PORT SIDE BETWEEN FRAME 308 AND 316, TANK LAGGING DAMAGED, LOOKING OUTBOARD.

PHOTO 71: AMR 3 LOWER LEVEL PORT SIDE FRAME 316 DISTILLATE PUMP VALVE CONTROL NO 2, LONGITUDINAL NO. 1 PORTSIDE, MOUNTED ON DETERIORATED BEAM 10-INCH X 4-INCH T-BEAM.

NOTE: SSDG COOLING WATER SEA CHEST UTs: 0.502 AND 0.515 TOP AND 0.475 AND 0.485 ON INBOARD AND AFT SIDES.

NOTE: NR 4 AND 5 FIRE PUMP SUCTION SEA CHEST UTs: 0.490 TOP AND 0.460 SIDES.

DIAGRAM NO. 4: AMR 3 LOWER LEVEL PORTSIDE BETWEEN FRAMES 308 AND 316 OUTBOARD LONGITUDINAL NO. 3 PORTSIDE.

23) REMOVE THE LAGGING FROM THE POTABLE WATER TANK LOCATED AT FRAME 292 STARBOARD SIDE, CLEAN AND PRESERVE ALL SURFACES.

NOTE: THE FOUNDATIONS AND STRUCTURE FOR THE UPPER LEVEL HAS PAINT, FAILURE, RUST AND EXFOLIATION BUT NOT SIGNIFICANT ENOUGH FOR STRUCTURAL IMPACT.

24) REPLACE 48 INCHES EACH SIDE OF CENTERLINE OF FRAME 316, SHELL TO TOP OF STRUCTURE (UPPER PORTION OF LOWER LEVEL) INCLUDING STRUCTURAL STIFFENING.

AFTER STEERING 5-368-01-E

▪ AFTER STARBOARD SIDE (STOREROOM)
LAGGING

MOISTURE METER READINGS:
9 TO 29 %

SATISFACTORY

▪ STOREROOM FWD OF 5-390-1-A IN 5-348-01-E
LAGGING

USS NICHOLAS FFG 47
HULL SURVEY NOTES

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MOISTURE METER READINGS:

SATISFACTORY

▪ FORWARD STARBOARD SIDE EDUCTOR ROOM
LAGGING

MOISTURE METER READINGS:
75% +

NOTE: STANDARD PAINT FAILURE IN BILGE. MOISTURE ALARM READINGS IN ALL BEAMS.
POSSIBLE HOLE IN PIPE NEAR OVERHEAD STARBOARD SIDE FRAME 369.
LABELED VENT OVERFLOW FOR CHT TANK AND MACERATOR SEWAGE PUMP.

- 1) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE ON OUTBOARD SHELL FROM BILGE TO OVERHEAD INCLUDING ONE FOOT INBOARD ALONG OVERHEAD FRAME 368 TO FRAME 376. INVESTIGATE FOR LEAK (SEE NOTE ABOVE FOR POSSIBLE LEAK SOURCE).
- 2) CLEAN AND PRESERVE 48 SQUARE FEET OF BILGE AREA FROM FRAME 368 TO FRAME 376 FROM THE SHELL TO THE INBOARD BULKHEAD OF THE EDUCTOR COMPARTMENT SECTION OF AFTER STEERING.

▪ FORWARD PORTSIDE FAN ROOM
LAGGING

MOISTURE METER READINGS:
30 TO 53%

- 1) CLEAN AND PRESERVE 48 SQUARE FEET OF BILGE AREA FROM FRAME 368 TO FRAME 376 FROM INBOARD BULKHEAD TO SHELL.

▪ AFT PORTSIDE STOREROOM
LAGGING

MOISTURE METER READINGS:
20 TO 58%

- 1) REMOVE AND REPLACE LAGGING, CLEAN AND PRESERVE STRUCTURE FROM THE DECK TO 18 INCHES ABOVE THE DECK FROM FRAME 376 TO FRAME 392.
- 2) CLEAN AND PRESERVE 48 SQUARE FEET OF BILGE AREA FROM FRAME 376 TO FRAME 384 INBOARD BULKHEAD TO SHELL.

PHOTO 10: AFTER STEERING EDUCTOR ROOM CORNER BELOW STEERING GEAR ROOM DRAIN PUMP.

PHOTO 11: AFTER STEERING EDUCTOR ROOM EDUCTOR DISCHARGE VALVE.

PHOTO 12: AFTER STEERING EDUCTOR ROOM HOLED VENT PIPE.

PHOTO 13: AFTER STEERING EDUCTOR ROOM SALTED LAGGING ON SHELL (4TH FRAME FROM TOP)

PHOTO 14: AFTER STEERING EDUCTOR ROOM SALTED LAGGING ON SHELL (4TH FRAME FROM TOP)

PHOTO 15: AFTER STEERING EDUCTOR ROOM SALTED LAGGING ON SHELL (5TH FRAME FROM TOP)

USS NICHOLAS FFG 47
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PHOTO 16: AFTER STEERING EDUCTOR ROOM FORWARD INBOARD BILGES

1ST DIVISION STOREROOM 5-376-1-A

(SECTION WITHIN AFTER STEERING)

LAGGING

MOISTURE METER READINGS:

HIGH READING (NOT ALARMING) STARTING AT FORWARD TOP DECREASING MOVING AFT AND MOVING DOWN BULKHEAD BUT LAGGING IS SATISFACTORY.

- 1) CLEAN AND PRESERVE BILGES SIX FEET BY 15 FEET FROM FRAME 376 TO 391 FROM THE INBOARD BULKHEAD TO SIX FEET INBOARD OF THAT BULKHEAD.

AFTER LIGHT LOCKER 5-390-1-A

(SECTION WITHIN AFTER STEERING)

LAGGING

INACCESSIBLE BECAUSE OF EQUIPMENT STOWAGE.

USS NICHOLAS (FFG-47)
MATERIAL CONDITION ASSESSMENT
SUBMISSIONS
FOR
SATISFACTORY COMPARTMENTS

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT **RIN:** 29VOT **WORK CENTER:** SS02 **JSN:** NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN CPO STOREROOM (3-40-2-A) CONDUCTED UNDERWATER HULL
(INTERIOR) SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION
OF UNDERWATER HULL AND STRUCTURE WAS SATISFACTORY.

TECH: CDI MARINE **SUPERVISOR:** ART DAVIS **CODE:** SSPORT 221.1

PHONE (DSN): 961-4001 **COMMERCIAL:** 757-396-4001

NAME OF PERSONS TRAINED:
NONE

**TOTAL NUMBER OF
TRAINING HOURS:** 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT **RIN:** 29VOT **WORK CENTER:** OC03 **JSN:** NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN SPECIAL CLOTHING STOREROOM (3-46-1-A) CONDUCTED UNDERWATER
HULL (INTERIOR) SHELL AND SUPPORT STRUCTURE ASSESSMENT.
CONDITION OF UNDERWATER HULL AND STRUCTURE WAS
SATISFACTORY.

TECH: CDI MARINE **SUPERVISOR:** ART DAVIS **CODE:** SSPORT 221.1

PHONE (DSN): 961-4001 **COMMERCIAL:** 757-396-4001

NAME OF PERSONS TRAINED:
NONE

**TOTAL NUMBER OF
TRAINING HOURS:** 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT **RIN:** 29VOT **WORK CENTER:** MH01 **JSN:** NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN MEDICAL STOREROOM No. 1 (3-48-2-A) CONDUCTED UNDERWATER HULL
(INTERIOR) SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION
OF UNDERWATER HULL AND STRUCTURE WAS SATISFACTORY.

TECH: CDI MARINE **SUPERVISOR:** ART DAVIS **CODE:** SSPORT 221.1

PHONE (DSN): 961-4001 **COMMERCIAL:** 757-396-4001

NAME OF PERSONS TRAINED:
NONE

**TOTAL NUMBER OF
TRAINING HOURS:** 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT RIN: 29VOT WORK CENTER: OC03 JSN: NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN DECK GEAR STOREROOM (3-56-0-A) CONDUCTED UNDERWATER HULL
(INTERIOR) SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION
OF UNDERWATER HULL AND STRUCTURE WAS SATISFACTORY.

TECH: CDI MARINE SUPERVISOR: ART DAVIS CODE: SSPORT 221.1

PHONE (DSN): 961-4001 COMMERCIAL: 757-396-4001

NAME OF PERSONS TRAINED:
NONE

TOTAL NUMBER OF
TRAINING HOURS: 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT RIN: 29VOT WORK CENTER: EM03 JSN: NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN FORWARD 400 HZ (3-92-1-Q) CONDUCTED UNDERWATER HULL
(INTERIOR) SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION
OF UNDERWATER HULL AND STRUCTURE WAS SATISFACTORY.

TECH: CDI MARINE SUPERVISOR: ART DAVIS CODE: SSPORT 221.1

PHONE (DSN): 961-4001 COMMERCIAL: 757-396-4001

NAME OF PERSONS TRAINED:
NONE

TOTAL NUMBER OF
TRAINING HOURS: 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT **RIN:** 29VOT **WORK CENTER:** CS08 **JSN:** NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN CREW BERTHING (3-100-0-L) CONDUCTED UNDERWATER HULL
(INTERIOR) SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION
OF UNDERWATER HULL AND STRUCTURE WAS SATISFACTORY.

TECH: CDI MARINE **SUPERVISOR:** ART DAVIS **CODE:** SSPORT 221.1

PHONE (DSN): 961-4001 **COMMERCIAL:** 757-396-4001

NAME OF PERSONS TRAINED:
NONE

**TOTAL NUMBER OF
TRAINING HOURS:** 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT **RIN:** 29VOT **WORK CENTER:** NX01 **JSN:** NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN RCN LOUNGE (3-140-2-L) CONDUCTED UNDERWATER HULL (INTERIOR)
SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION OF
UNDERWATER HULL AND STRUCTURE WAS SATISFACTORY.

TECH: CDI MARINE **SUPERVISOR:** ART DAVIS **CODE:** SSPORT 221.1

PHONE (DSN): 961-4001 **COMMERCIAL:** 757-396-4001

NAME OF PERSONS TRAINED:
NONE

**TOTAL NUMBER OF
TRAINING HOURS:** 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT **RIN:** 29VOT **WORK CENTER:** EM03 **JSN:** NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN SWITCHGEAR ROOM (3-180-2-C) CONDUCTED UNDERWATER HULL
(INTERIOR) SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION
OF UNDERWATER HULL AND STRUCTURE WAS SATISFACTORY.

TECH: CDI MARINE **SUPERVISOR:** ART DAVIS **CODE:** SSPORT 221.1

PHONE (DSN): 961-4001 **COMMERCIAL:** 757-396-4001

NAME OF PERSONS TRAINED:
NONE

**TOTAL NUMBER OF
TRAINING HOURS:** 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT RIN: 29VOT WORK CENTER: SS03 JSN: NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN DRY PROVISION STOREROOM (3-180-5-A) CONDUCTED UNDERWATER
HULL (INTERIOR) SHELL AND SUPPORT STRUCTURE ASSESSMENT.
CONDITION OF UNDERWATER HULL AND STRUCTURE WAS
SATISFACTORY.

TECH: CDI MARINE SUPERVISOR: ART DAVIS CODE: SSPORT 221.1

PHONE (DSN): 961-4001 COMMERCIAL: 757-396-4001

NAME OF PERSONS TRAINED: NONE TOTAL NUMBER OF
TRAINING HOURS: 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT RIN: 29VOT WORK CENTER: CS02 JSN: NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN PASSAGEWAY (4-48-2-L) CONDUCTED UNDERWATER HULL (INTERIOR)
SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION OF
UNDERWATER HULL AND STRUCTURE WAS SATISFACTORY.

TECH: CDI MARINE SUPERVISOR: ART DAVIS CODE: SSPORT 221.1

PHONE (DSN): 961-4001 COMMERCIAL: 757-396-4001

NAME OF PERSONS TRAINED:
NONE

TOTAL NUMBER OF
TRAINING HOURS: 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT RIN: 29VOT WORK CENTER: CS06 JSN: NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN SMALL ARMS MAGAZINE (4-56-0-M) CONDUCTED UNDERWATER HULL
(INTERIOR) SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION
OF UNDERWATER HULL AND STRUCTURE WAS SATISFACTORY.

TECH: CDI MARINE SUPERVISOR: ART DAVIS CODE: SSPORT 221.1

PHONE (DSN): 961-4001 COMMERCIAL: 757-396-4001

NAME OF PERSONS TRAINED:
NONE

TOTAL NUMBER OF
TRAINING HOURS: 0

USS NICHOLAS (FFG-47)

MATERIAL CONDITION ASSESSMENT

APL: XCOMPARTMENT RIN: 29VOT WORK CENTER: EM03 JSN: NA

DATE ASSESMENT COMPLETED: 11/12/01-11/21/02

LIST PROCEDURE USED: SEMAT SHELL AND SUPPORTING
STRUCTURE MRC 1102

OPERATON CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

COLD CHECKS COMPLETED: YES NO

REASON NOT COMPLETED: NOT APPLICABLE

EQUIPMENT CONDITION (CHOOSE ONE):

OPERATIONAL NON-OPERATIONAL REDUCED ASSESSMENT
CAPABILITY NOT COMPLETED

*** JCNs FOR MAFs/2KILOs TURNED IN FOR YOUR SYSTEM***
WILL AUTOMATICALLY BE REFERENCED IN THIS MCA
***USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED
ON A MAF/2KILO***

IN FORWARD LIGHT LOCKER (4-56-2-A) CONDUCTED UNDERWATER HULL
(INTERIOR) SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION
OF UNDERWATER HULL AND STRUCTURE WAS SATISFACTORY.

TECH: CDI MARINE SUPERVISOR: ART DAVIS CODE: SSPORT 221.1

PHONE (DSN): 961-4001 COMMERCIAL: 757-396-4001

NAME OF PERSONS TRAINED:
NONE

TOTAL NUMBER OF
TRAINING HOURS: 0

COMPACT DIGITAL DISK **INSTRUCTIONS AND FILE LISTING**

ALL FILES USED IN THIS REPORT DOCUMENT ARE PROVIDED ON THE ENCLOSED COMPACT DIGITAL DISK. ALL FILES ARE IN THEIR ORIGINAL FORMAT AND IMPORTED INTO MICROSOFT WORD FOR EASE OF HANDLING.

FILES ON THE COMPACT DIGITAL DISK ARE HYPERLINKED FROM THE COVER PAGE THROUGH THE ENTIRE REPORT. TO ACTIVATE, OPEN THE COVER PAGE (FFG-47 HULL SURVEY COVER SHEET), VIEW THE PAGE AND THEN WHEN READY TO MOVE ON, CLICK ON THE HYPERLINK BELOW THE WORD "NEXT" AT THE LOWER RIGHT-HAND CORNER. THIS WILL MOVE YOU TO THE NEXT PAGE. AT THE END OF THAT SECTION WILL BE THE WORD "NEXT" AT THE LOWER RIGHT-HAND CORNER AND THE NEXT HYPERLINK. THIS PROCESS IS REPEATED THROUGHOUT THE DOCUMENTS.

DISK DOCUMENT LISTING:

FFG-47 HULL SURVEY COVER SHEET (CAN BE USED TO INITIATE THE HYPERLINK PROCESS).

FOLDERS:

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• SATISFACTORY AREAS
• UNASSESSABLE AREAS
• UNSATISFACTORY COMPARTMENTS
USS NICHOLAS SHELL SURVEY-CD LABEL

MAF (MATERIAL ASSESSMENT FORMS)

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STRUCTURAL DRAWINGS

- AUTOCAD 2000I AND WMF FORMATS OF SHELL, BULKHEAD DRAWINGS.
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APU MACH ROOM CHT PUMP ROOM EDUCATOR ROOM
MER
- MICROSOFT WORD DOCUMENT WITH IMPORTED DRAWINGS.
AMR 1 AMR 2 AMR 3
APU MACH ROOM CHT PUMP ROOM EDUCATOR ROOM
MER