
USS ELROD (FFG-55)

SHELL CONDITION ASSESSMENT SURVEY INTERIOR AREAS

5/9/01 – 5/18/01



**PREPARED BY
SUPSHIP PORTSMOUTH
05/25/01**

SHELL CONDITION ASSESSMENT SURVEY SUMMARY

Interior Areas

A Semat II Shell and Supporting Structure survey of all accessible interior areas was conducted on board the **USS ELROD FFG 55** at the Norfolk Naval Station from 09 through 18, May 2001.

The survey was conducted in accordance with Hull Structure MRC 1102 using a Delmhorst model BD 2100 moisture meter and a Krautkramer Branson model DM2TC ultrasonic test instrument, serial no. 00NV8 calibration due date; 02/22/02.

During the survey, areas historically prone to corrosion (hot spots) on FFG 7 class vessels were inspected and noted along with other areas where corrosion was found. The tank top underneath the air conditioning condenser in A/C Machinery Space (3-84-0-E) is the most critical area noted. The corrosion is due to inaccessibility between the bulkhead and the A/C unit, which has been noted as a class design problem.

The overall conditions of the USS ELROD were average or better than other FFG 7 class ships. Proper cleaning and preservation can control the light corrosion and paint separation in the bilge spaces. The Survey Results section provides additional details.

USS ELROD (FFG-55)

SHELL CONDITION ASSESSMENT SURVEY INTERIOR AREAS TABLE OF CONTENTS

➤ <u>GENERAL SUMMARY OF CONDITIONS FOUND.</u>	
➤ <u>SURVEY RESULTS</u>	4-7
➤ <u>AUXILIARY MACHINERY ROOM 3 (5-292-0-E)</u>	8-21
➤ <u>MAIN ENGINE ROOM (5-250-0-E)</u>	22-34
➤ <u>AUXILIARY MACHINERY ROOM 2 (5-212-0-E)</u>	35-44
➤ <u>AUXILIARY MACHINERY ROOM 1 (5-180-0-E)</u>	45-51
➤ <u>EDUCTOR ROOM (5-51-0-Q)</u>	52-55
➤ <u>FIRE PUMP ROOM (4-172-1-E)</u>	56-57
➤ <u>CHT ROOM (4-160-0-Q)</u>	58-65
➤ <u>LAUNDRY (4-140-0-Q)</u>	66-69
➤ <u>LAUNDRY STORE ROOM (4-140-3-A)</u>	70-71
➤ <u>SONAR COOLING ROOM (4-48-1-Q)</u>	72-76
➤ <u>CLEANING GEAR LOCKER (3-140-1-A)</u>	77-78
➤ <u>A/C MACHINERY ROOM (3-84-0-E)</u>	79-82
➤ <u>MATRIX</u>	

FFG-55 STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREAS.

LOCATION	AREA	RESULTS
5-292-0-E AMR 3	INBOARD SIDE OF POTABLE WATER TANK #3	APPROX 6 SF HAS HEAVY PITTING AND PAINT SEPARATION. FAILED THE U/T READING @ .113, MINIMUM THICKNESS IS .213
5-292-0-E AMR 3	PORT, FR (316-324), STRINGERS 10&11 UNDER OVBD DISCHARGE.	APPROX 30 SF OF RUST AND PAINT SEPARATION
5-292-0-E AMR 3	PORT, BHD (328), STRNGRS 10-12	APPROX 25 SF OF RUST AND PAINT SEPARATION
5-292-0-E AMR 3	PORT WF (316-308) UNDER SSDG #4	APPROX 20 SF SALT CORROSION AND PAINT SEPERATION
5-292-0-E AMR 3	STBD, FR (324), TANK TOP UNDER FOUNDATION OF THE JP5 SVS TRANSFER FILTER.	APPROX 6 SF OF RUST AND PAINT SEPARATION.
5-292-0-E AMR 3	CENTER LINE, FROM WF (308-324) UNDER BOTH DISTILLATION UNITS.	APPROX 20 SF OF FOUNDATION STRUCTURE, SURFACE RUST AND PAINT SEPARATION.
5-292-0-E AMR 3	PORT, AFT OF WF (324) UNDER SHAFT	APPROX 20 SF SURFACE RUST, PAINT SEPARATION
5-250-0-E MER	PORT, FR (270-264), STRINGERS 9-11 BY THE PRAIRIE OVERBOARD DISCHARGE.	APPROX 20 SF SURFACE RUST, PAINT SEPERATION
5-250-0-E MER	PORT, WF (264-258), STRINGERS 12-13.	APPROX 20 SF OF SATURATED LAGGING, SURFACE RUST AND PAINT SEPARATION.
5-250-0-E MER	PORT, STRINGER 11, BETWEEN BHD (250) AND WF (258) UNDER THE EDUCTOR OBD MDV4 (3-255-2)	APPROX 20 SF OF SATURATED LAGGING, SURFACE RUST AND PAINT SEPARATION.
5-250-0-E MER	STBD, BETWEEN WF (258-264), SHELL UNDER SALT WATER STRAINER 1	APPROX 10 SF HAS SURFACE RUST AND PAINT SEPARATION.
5-250-0-E MER	STBD, AFT OF BHD (250), UNDER ME FOUNDATION.	APPROX 10 SF SURFACE RUST AND PAINT SEPARATION.
5-250-0-E MER	PORT, BETWEEN WF (264-270), UNDER OVBD DISCHARGE ASW-V7	APPROX 14 SF OF SATURATED LAGGING, SURFACE RUST AND PAINT SEPARATION.
5-250-0-E MER	STBD, AFT OF BHD (250) STRINGERS 13-14	APPROX 40 SF OF SATURATED LAGGING, SURFACE RUST AND PAINT SEPARATION.
5-212-0-E AMR 2	PORT, FROM BHD (212) TO WF (228) STRINGERS 7-12.	APPROX 18 SF OF SATURATED LAGGING, AND APPROX 50 SF OF SURFACE RUST AND PAINT SEPERATION.
5-212-0-E AMR 2	STBD, BETWEEN BHD (212-228), STRINGERS 7-11.	APPROX 32 SF OF SATURATED LAGGING, AND APPROX 144 SF OF SURFACE RUST AND PAINT SEPARATION.
5-212-0-E AMR 2	PORT BHD (212) FROM SHELL PLATE TO ESCAPE TRUNK.	APPROX 18 SF OF SATURATED LAGGING, SURFACE RUST AND PAINT SEPERATION.
5-212-0-E AMR 2	PORT, WF (220)	APPROX 12 SF OF LIGHT CORROSION AND PAINT SEPARATION.
5-212-0-E AMR 2	PORT, AFT OF WF (228) UNDER SALT WATER STRAINER E21	APPROX 16 SF OF SURFACE RUST AND PAINT SEPERATION.

LOCATION	AREA	RESULTS
5-180-0-E AMR 1	PORT, GUSSET ON STRINGER (7) AT BHD (180).	FAILED U/T READING AT .167, WHEREAS THE MINIMUM IS .213 FOR .250 PLATE.
5-180-0-E AMR 1	PORT, STRINGER (9) AND SURROUNDING AREA. FROM WF (196) TO BHD (204).	APPROX 30 SF OF SURFACE RUST AND PAINT SEPARATION.
5-180-0-E AMR 1	PORT SIDE OF CENTER LINE, UNDER SALT WATER STRAINER AND PUMP NO. 1	APPROX 40 SF OF SURFACE RUST AND PAINT SEPARATION.
5-51-0-Q EDUCTOR ROOM.	STBD, STRINGER (1), AND ENTIRE BILGE AREA.	WEB OF STRINGER (1) IS THIN WITH RANDOM U/T READING AT .104, .181 & .197. VERTICAL STIFFENERS FROM KEEL TO STRINGER (2), APPROX 5' ARE THIN AND HOLED. APPROX 50 SF OF BILGE AREA HAS SURFACE RUST AND PAINT SEPARATION.
4-172-1-E FIRE PUMP ROOM.	ENTIRE BILGE AREA AND FOUNDATION UNDER FIRE PUMP.	APPROX 80 SF OF SURFACE RUST AND PAINT SEPARATION.
4-160-0-Q CHT RM	PORT WF (164) TO BHD (180) THE UNION ON THE CHECK VALVE. APPROX 8" FROM BHD (180) AND SURROUNDING AREA.	UNION IS LEAKING HUMAN WASTE. ALL STRINGERS BELOW AND BILGE POCKET ARE FULL OF WATER AND HUMAN WASTE. APPROX 60 SF OF SATURATED LAGGING SURFACE RUST AND PAINT SEPARATION.
4-160-0-Q CHT RM	PORT, APPROX 8FT FROM CENTERLINE, ON TANK TOP (4-170-2) AT BHD (180) UNDER DRAIN FROM SEWAGE PUMP NO 2.	APPROX 2 SF OF RUST AND PAINT SEPARATION.
4-160-0-Q CHT RM	STBD, FROM WF (164) TO BHD (180) ENTIRE BILGE POCKET.	APPROX 30 SF OF SURFACE RUST AND PAINT SEPARATION.
4-160-0-Q CHT RM	STBD, STRINGER (9) BELOW OVERBOARD DISCHARGE (4-167-1).	APPROX 16 SF OF SURFACE RUST AND PAINT SEPARATION.
4-140-0-Q LAUNDRY	PORT, BETWEEN WF (148-164), STRINGERS (7-9).	APPROX 48 SF OF SATURATED LAGGING AND SURFACE RUST WITH PAINT SEPARATION.
4-140-0-Q LAUNDRY	PORT, BETWEEN WF (148-164) ENTIRE BILGE POCKET.	APPROX 50 SF OF SURFACE RUST AND PAINT SEPARATION.
4-140-3-A LAUNDRY STORE RM.	ENTIRE BILGE POCKET.	APPROX 8 SF OF SURFACE RUST AND PAINT SEPARATION.
4-48-1-Q SONAR COOLING RM.	STBD, FROM BHD (48-56) FIRST STRINGER OFF THE DECK AND BHD (56) WHERE IT MEETS THE SHELL AND THE DECK.	STRINGER IS HOLED AND HEAVILY CORRODED IN THE WEB WITH RANDOM U/T READINGS OF .090 TO .125 WELL BELOW THE MINIMUM OF .213, BHD (56) IS .135, 2" OFF THE DECK AND 10" OFF THE SHELL.
3-140-1-L STORAGE ROOM IN P-WAY	STBD, FIRST AND SECOND STRINGERS FROM DECK.	APPROX 20 SF OF SATURATED LAGGING, SURFACE RUST AND PAINT SEPARATION.
3-84-0-E A/C MACHINERY ROOM	PORT, TANK TOP/DECK AT BHD (100) BEHIND/UNDERNEATH AIRCONDITIONING CONDENSER.	TANK TOP IS BUCKLING, RANDOM U/T READINGS BEHIND AND PORT SIDE WERE BELOW THE MINIMUM DESIRABLE THICKNESS OF .213 AT .127, .209 AND .204 AREA BEHIND THE CONDENSER WAS UNACCESSABLE FOR FURTHER U/T READINGS.

FFG-55 STRUCTURAL INSPECTION RESULTS
SATISFACTORY AREAS.

LOCATION	AREA	RESULTS
3-32-2-A	SECURITY FORCES ISSUE ROOM	SAT
3-32-1-K	FLAMABLE LIQUID STORAGE	SAT
3-36-2-T	ESCAPE TRUNK	SAT
3-46-1-A	SPECIAL CLOTHING STOREROOM	SAT
3-56-0-A	DECK GEAR STOREROOM	SAT
3-93-1-Q	200 MEGAHERTZ ENCLOSURE	SAT
3-100-0-L	BERTHING SPACE	SAT
3-100-1-L	CREW LOUNGE	SAT
3-113-0-L	SANITARY SPACE	SAT
3-140-2-L	CREW LOUNGE	SAT
3-144-0-L	CREW BERTHING	SAT
3-156-2-Q	PIPING SPACE	SAT
3-180-2-C	SWITCH GEAR ROOM	SAT
3-180-5-A	DRY PROVISIONS STORE ROOM	SAT
3-328-0-A	AFTER STEERING ROOM	SAT
4-32-0-Q	SONAR EQUIPMENT ROOM	SAT
4-48-2-L	P-WAY	SAT
4-56-2-A	DECK STOWAGE	SAT
4-56-0-M	SMALL ARMS ROOM	SAT
4-100-0-E	APU MACHINERY ROOM	SAT
4-152-1-A	STOREROOM	SAT
5-56-0-M	SMALL ARMS MAGAZINE	SAT
5-100-2-W	APU WELL	SAT
5-100-1-W	APU WELL	SAT

**FFG-55 STRUCTURAL INSPECTION RESULTS
UNASSESSABLE AREAS.**

LOCATION	AREA	RESULTS
3-20-0-Q	CHAIN LOCKER	UNASSESSABLE/REQUIRES GAS FREE
3-40-2-A	CPO STORE ROOM	UNASSESSABLE/FULL OF STORES
3-64-2-V	VOID	UNASSESSABLE/REQUIRES GAS FREE
3-64-1-V	VOID	UNASSESSABLE/REQUIRES GAS FREE
3-236-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-236-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-240-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-240-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-272-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-272-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-278-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-278-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-286-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-286-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-292-8-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-316-1-J	JP5 FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
3-322-1-J	JP5 FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
4-H-0-V	VOID	UNASSESSABLE/REQUIRES GAS FREE
4-27-0-V	VOID	UNASSESSABLE/REQUIRES GAS FREE
5-FF-0-V	VOID	UNASSESSABLE/REQUIRES GAS FREE
5-32-0-W	SALT WATER TANK	UNASSESSABLE/REQUIRES GAS FREE
5-56-0-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-64-0-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-84-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-84-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-100-3-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-100-4-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-116-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-116-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5½-116-0-V	VOID	UNASSESSABLE/REQUIRES GAS FREE`
5-132-0-F	CONTAMINATED OIL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-137-1-T	UNDERWATER LOG TANK	UNASSESSABLE/REQUIRES GAS FREE
5-140-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-140-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-164-0-F	CONTAMINATED OIL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-164-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-164-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-170-0-F	CONTAMINATED OIL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-192-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-201-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-201-3-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-204-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-204-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-220-2-W	WASTE STORAGE TANK	UNASSESSABLE/REQUIRES GAS FREE
5-222-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-250-1-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-250-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-270-0-F	HYDRAULIC OIL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-276-0-F	LUBE OIL TANK	UNASSESSABLE/REQUIRES GAS FREE
5-290-2-F	FUEL TANK	UNASSESSABLE/REQUIRES GAS FREE

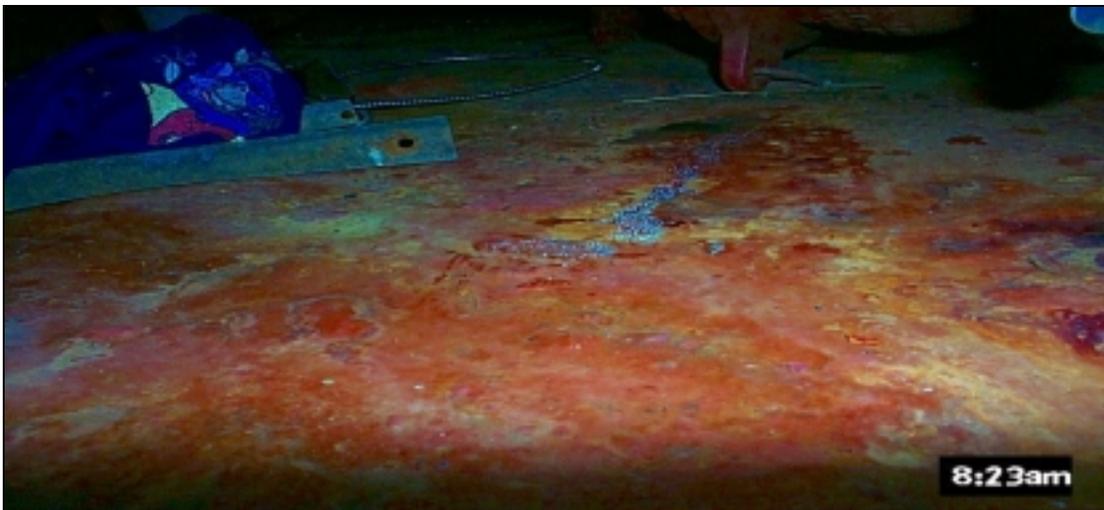
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS ELROD FFG 55						
SYSTEM Hull Structure		ESWSB 11011	EIC A100		APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 5-292-0-E	WORK CENTER EMO4	JSN A732		
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 - SHIP'S 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 0. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 8		MAN HRS REMAINING 280		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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION Inboard side of AUX 3, (5-292-0-E) at PWT #3 did not pass the U/T reading. Design thickness is .250, the U/T reading revealed .113 reading Which is below the 25% desired thickness. PWT #3 has approx. 6sf, heavy pitting and corrosion.								
RECOMMENDED REPAIRS: Remove approx. 6sf up from bottom by length of tank and replace with .250 mil-S-22698 steel plate, prime and paint area to match.								
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK								
CSMP SUMMARY PWT 3, in AUX 3 has heavy corrosion, and failed U/T reading at .113						TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1						STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT								
PART NO.	NOMEMCLATURE			QTY	NSN		COST	
1								
2								
3								
4								
5								
FIRST CONTACT SHILES		RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP	

AUXILIARY MACHINERY ROOM 3 (5-292-0-E)

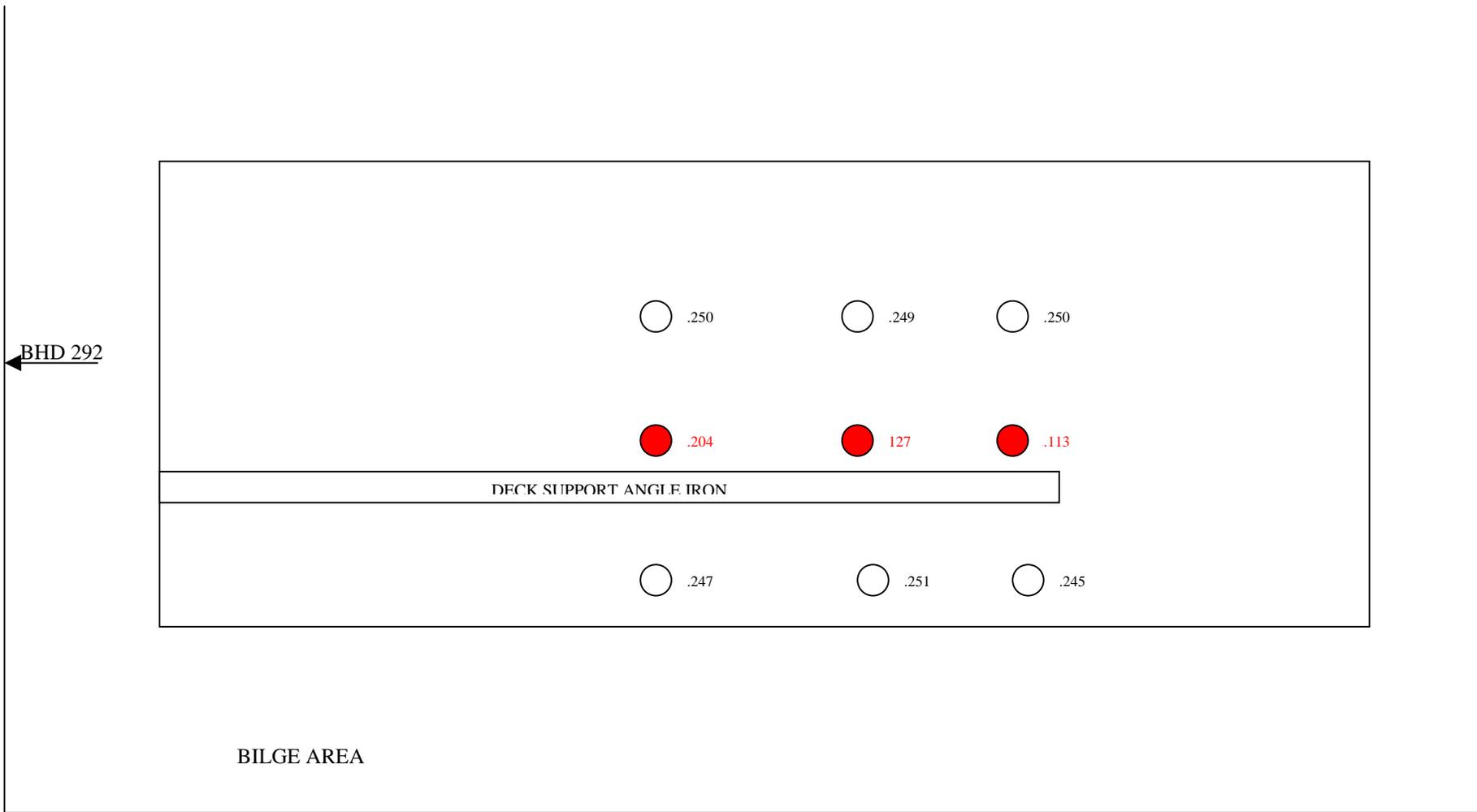


(Top) Side View, Potable water tank #3
Arrow indicates Low U/T reading at **.113**



(Bottom) Top of Potable water tank #3, U/T readings satisfactory.
Area recommended for preservation.

USS ELROD FFG 55



USS ELROD FFG 55
 AUXILLARY MACHINERY ROOM 3
 (5-292-0-E)
 POTABLE WATER TANK #3
 SIDE VIEW LOOKING STBD

J. LAROCK / T. ILGENFRITZ
 QED SYSTEMS INC.
 05/10/01

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EMO4	JSN A133		
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 - SHIP'S 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. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 80	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 - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION Of AUX 3, (5-292-0-E) between Fr (316-324) in stringers (10-11) was found with surface rust and heavy paint separation.							
RECOMMENDED REPAIRS: Needle gun approx 30 sf of area, preserve and paint to match surrounding areas.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY Stringers (10-11) have surface rust and paint separation.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

AUXILIARY MACHINERY ROOM 3(5-292-0-E)



(Top) Port side view of stringer 10
Area recommended for preservation



(Bottom) Port side, bilge area, under stringer 10
Area recommended for cleaning.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS ELROD FFG 55						
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L			
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 5-292-0-E	WORK CENTER EMO4	JSN A134		
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 - SHIP'S 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. PIOROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 60		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 - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL			1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION AUX 3 (5-292-0-E), port side of BHD (328), light rust and heavy paint separation were found in approximately 25sf, between stringers (10-12).								
RECOMMENDED REPAIRS: Needle gun approximately 25sf of area preserve and paint to match surrounding area.								
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK								
CSMP SUMMARY Approximately 25sf of stringers (10-12) have rust and paint separation.					TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT								
PART NO.	NOMEMCLATURE			QTY	NSN		COST	
1								
2								
3								
4								
5								
6								
FIRST CONTACT	RATE	SECOND CONTACT		RATE	PHONE			
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP	

AUXILIARY MACHINERY ROOM 3 (5-292-0-E)



(Top) Port side stringer 9
Area recommended for preservation



(Bottom) Port side between stringers 8 & 9
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS ELROD FFG 55						
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L			
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 5-292-0-E	WORK CENTER EMO4	JSN A138		
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 - SHIP'S 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 0. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 20		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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION AUX (5-292-0-E), Starboard side at WF (324) tank top under foundation of JP5 service transfer filter has approximately 6sf of rust and paint separation.								
RECOMMENDED REPAIRS: Needle gun approximately 6sf of area preserve and paint area to match.								
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN / T. ZWOLAK								
CSMP SUMMARY Fr (324), tank top under foundation of JP5 service transfer filter has corrosion.					TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT								
PART NO.	NOMEMCLATURE			QTY	NSN		COST	
1								
2								
3								
4								
5								
6								
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE			
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP	

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EMO4	JSN A139		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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	MAN HRS REMAINING	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION Between WF (308-316) under (SSDG#4) approximately 20sf of light rust and paint separation.							
RECOMMENDED REPAIRS: Needle gun approximately 20sf of area preserve and paint to match surrounding area.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY WF (308-316) under (SSDG#4) was found with rust and paint separation.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

AUXILIARY MACHINERY ROOM 3 (5-292-0-E)



(Top) Port side under SSDG #4
Area recommended for preservation



(Bottom) Starboard side, foundation under JP5 Transfer filter.
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EMO4	JSN A177		
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 - SHIP'S 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. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	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 - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION AUX3 (5-292-0-E) WF (308-324), foundation under both distillation units was found with approximately 20sf of rust and heavy paint separation.							
RECOMMENDED REPAIRS: Needle gun approximately 20sf of foundation, preserve and paint area to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY Approximately 20sf of foundation under both distillation units has rust and paint separation.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

AUXILIARY MACHINERY ROOM 3 (5-292-0-E)



(Top) Foundation under distillation unit
U/T reading ok, light surface rust.



(Bottom) Foundation under distillation unit
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EMO4	JSN A135		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 60	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION : AUX 3, (5-292-0-E) AFT of WF (324) under the shaft approximately 20sf was found with rust and paint separation.							
RECOMMENDED REPAIRS: Needle gun approximately 20sf of area, preserve and paint area to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN / T. ZWOLAK							
CSMP SUMMARY Approximately 20sf under shaft has rust and paint separation.				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED			TD	TL	LOGISTICIAN	TSP	

AUXILIARY MACHINERY ROOM 3 (5-292-0-E)



(Top) AFT of WF 324, under shaft
Recommended for preservation



(Bottom) Shaft seal support, Rust and paint separation.
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EMO4	JSN A150		
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 - SHIP'S 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. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 1	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 - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION (5-250-0-E) Port side, between WF (264-270), stringers (9-11), at OVBD discharge revealed approximately 20sf of surface rust and paint separation.							
RECOMMENDED REPAIRS: Needle gun approximately 20sf of area, preserve and paint to match surrounding area.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T.ZWOLAK							
CSMP SUMMARY Between Fr (264-270) stringers (9-11) revealed rust and paint separation.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SMITH	RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

MAIN ENGINE ROOM (5-250-0-E)



(Top) Port side, Prairie OVBD Discharge
Area recommended for preservation



(Bottom) Port side view of area below OVBD discharge.
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS ELROD FFG 55					
SYSTEM Hull Structure		ESWSB 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 5-250-0-E	WORK CENTER EMO4	JSN A151	
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION							
Port side, (5-250-0-E), Between WF (258-264) between stringers (12-13). Approximately 20sf of saturated lagging/ light surface rust and paint separation.							
RECOMMENDED REPAIRS: Remove approximately 20sf of lagging, needle gun area exposed by removal, preserve, reinstall lagging and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN / T. ZWOLAK							
CSMP SUMMARY Lagging between stringers (12-13) is saturated.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMENCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT SMITH	RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED			TD	TL	LOGISTICIAN	TSP	

MAIN ENGINE ROOM (5-250-0-E)



(Top) Port side, BTWN WF 258-264, stringer 12
Area recommended for preservation



(Bottom) Port side Saturated lagging BTWN Stringers 12-13
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EMO4	JSN A108		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 1	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION							
Port side, at (2-250-0-E) stringer (11) between BHD (250) and WF (258), under Eductor OVBD MDV-4, revealed approximately 20sf of saturated lagging, surface rust and paint separation.							
RECOMMENDED REPAIRS: Remove approximately 20sf of lagging, needle gun area exposed by removal, preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN / T. ZWOLAK							
CSMP SUMMARY Stringer (11) between BHD (250) and WF (258) has saturated lagging.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMENCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SMITH	RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

MAIN ENGINE ROOM (5-250-0-E)



(Top) Port side, BTWN BHD 250 & WF 258, Stringer 11 below the Eductor OVBD discharge (MDV4).
Area recommended for preservation



(Bottom) Port side Saturated lagging BTWN Stringers 11-12
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EMO4	JSN A105		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 32	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION : STBD side, (5-250-0-E) AFT of BHD (250) under main engine foundation has approximately 10sf of surface rust and paint separation.							
RECOMMENDED REPAIRS: Needle- gun approximately 10sf of area preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN / T. ZWOLAK							
CSMP SUMMARY AFT of BHD (250) under main engine foundation has surface rust and paint separation.				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE		QTY	NSN	COST		
1							
2							
3							
4							
5							
6							
FIRST CONTACT SMITH	RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED			TD	TL	LOGISTICIAN	TSP	

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS ELROD FFG 55					
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 5-250-0-E	WORK CENTER EMO4		JSN A107
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 1		MAN HRS REMAINING 32		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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION							
STBD side, (5-250-0-E) between WF (258-264) under salt- water strainer 1A (shell plate) has approximately 10sf of light rust and paint separation.							
RECOMMENDED REPAIRS: Needle gun approximately 10sf area, preserve and paint to match area.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN / T. ZWOLAK							
CSMP SUMMARY STBD side WF (258-264), shell plate has rust and paint separation.						TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1						STEP# 1,2,3,4 & 5	
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SMITH		RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE	
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

MAIN ENGINE ROOM (5-250-0-E)



(Top) STBD side, between WF 258-264, under salt water strainer 1A/
Surface rust and paint separation on shell plating.
Area recommended for preservation



(Bottom) STBD side, aft of BHD 250, under stbd main engine foundation.
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWSB 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EMO4	JSN A101		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 28	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side, (5-250-0-E) Between WF(264-270) under OVBD discharge ASWV-7 approximately 14sf of saturated lagging, surface rust and paint separation was revealed.							
RECOMMENDED REPAIRS: Remove approximately 14sf of lagging, needle gun exposed area, preserve and paint to match area.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY Under OVBD ASWV-7 between WF (264-270) lagging is saturated.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMENCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SMITH	RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

MAIN ENGINE ROOM (5-250-0-E)



(Top) Port side, between WF 264-270 under OVBD discharge (ASWV7)
Saturated lagging.
Area recommended for preservation



(Bottom) Port sides, OVBD discharge (ASWV7) Rust and paint separation.
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWSB 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EMO4	JSN A149		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 60	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: STBD side, (5-250-0-E) aft of BHD(250) between stringers (13-14), revealed valve leaking, causing saturation of lagging, light corrosion and Paint separation. Approximately 40sf.							
RECOMMENDED REPAIRS: Remove approximately 40sf of lagging, needle gun area exposed by removals, preserve and replace lagging, paint to match surrounding area.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN / T. ZWOLAK							
CSMP SUMMARY Valve leaking, causing saturated lagging.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMENCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SMITH	RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

MAIN ENGINE ROOM (5-250-0-E)



(Top) Starboard side, AFT of BHD (250), between stringers (13-14) bonnet/packing gland is leaking and is root cause of saturated lagging. Area recommended for preservation.



(Bottom) Starboard side saturated lagging below leaking valve. Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EMO4	JSN A148		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 200	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side, (5-212-0-E) from BHD (212) to WF(228) between stringers (11-12) revealed approximately 20sf of saturated lagging and from stringers (7-12) revealed light surface rust and paint separation.							
RECOMMENDED REPAIRS: Remove approximately 20sf of lagging, needle gun approximately 144sf of surface rust, preserve exposed areas, replace lagging and Paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN / T. ZWOLAK							
CSMP SUMMARY: Port side, stringers (7-12) revealed approximately 20sf of saturated lagging and 144sf of rust and paint					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

AUXILIARY MACHINERY ROOM 2 (5-212-0-E)



(Top) Port side, from BHD 212 to WF 228, stringer 11.
Area recommended for preservation.



(Bottom) Port side, stringer 11 at BHD 212. Lagging
deteriorated/saturated.
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWSB 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EMO4	JSN A136		
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 - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE		4. D - DOWN 5. L - LIMITED	
TYPE/AVAILABILITY 1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL		WHEN TO BE ACCOMPLISHED 1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY		STATUS 1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE		CAUSE 1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE	
DEFERRAL REASON 1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2		MAN HRS REMAINING 200		COMPLETED ACTION TAKEN	
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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		S/F MANHOURS		PRIORITY 1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: STBD side (5-212-0-E) from BHD (212) to WF(228), stringers (7-11) approximately 32sf of saturated lagging and 144sf of rust and paint Separation.							
RECOMMENDED REPAIRS: Remove approximately 32sf of lagging, needle gun approximately 144sf of area exposed, preserve, replace lagging and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Saturated lagging and paint separation approximately 144sf.						TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION H1						STEP# 1,2,3,4 & 5	
SYSTEM LEVEL IMPACT							
PART NO.		NOMEMCLATURE		QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES		RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE	
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

AUXILIARY MACHINERY ROOM 2 (5-212-0-E)



(Top) Starboard side, between BHD 212 and WF 228, stringer 9.
Area recommended for preservation.



(Bottom) Starboard side, stringer 11. Lagging saturated, with surface
rust and paint separation.
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWSB 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EMO4	JSN A179		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side (5-212-0-E), BHD (212) from shell to escape trunk, approximately 18sf of saturated lagging, surface rust and paint separation.							
RECOMMENDED REPAIRS: Remove approximately 18sf of lagging, needle gun exposed area, preserve, replace lagging and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Approximately 18sf of saturated lagging on BHD(212).				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE Dc1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

AUXILIARY MACHINERY ROOM 2 (5-212-0-E)



(Top) Port side, between BHD 212 and WF 228, stringer 9.
Area recommended for preservation.



(Bottom) Port side, BHD 212 Lagging saturated.
Area recommended for lagging replacement.

USS ELROD FFG 55

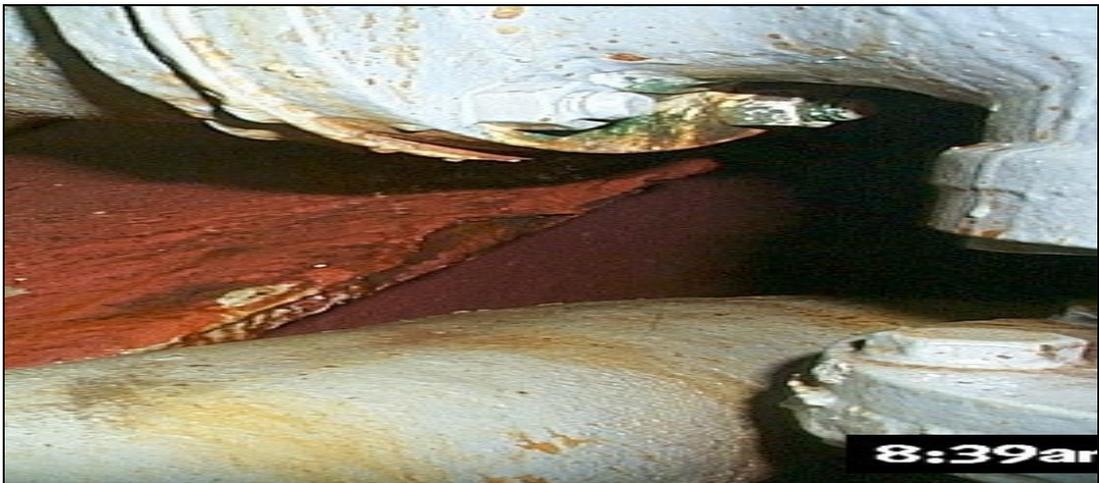
MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EMO4	JSN A181		
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 - SHIP'S 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. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 20	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 - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side (5-212-0-E), WF(220) approximately 12sf of heavy paint separation.							
RECOMMENDED REPAIRS: Needle-gun approximately 12sf of area, preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: WF(220) has heavy paint separation.-				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

AUXILIARY MACHINERY ROOM 2 (5-212-0-E)



(Top) Port side, WF 220 has light corrosion and paint separation.
Area recommended for preservation.



(Bottom) Port side, WF 220
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EMO4	JSN A180		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side (5-212-0-E) under salt water strainer (E21), approximately 16sf of surface rust and paint separation.							
RECOMMENDED REPAIRS: Needle gun approximately 16sf of area, preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Approximately 16sf under salt water strainer has surface rust and paint separation.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMENCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

AUXILIARY MACHINERY ROOM 2 (5-212-0-E)



(Top) Port side, Aft of WF 228, under salt water strainer
at stringer no3.
Area recommended for preservation.



(Bottom) Port side, stringer no3 and surrounding area.
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS ELROD FFG 55						
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L			
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 5-180-0-E	WORK CENTER EMO4	JSN A142		
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 - SHIP'S 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 0. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 20		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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side (5-180-0-E) Gusset on stringer (7) at BHD (180) has low U/T reading at .167 which is below minimum of .213								
RECOMMENDED REPAIRS: Cut out and replace with .250 Steel, paint area to match.								
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK								
CSMP SUMMARY: Gusset on L7 has low U/T reading.					TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT								
PART NO.	NOMEMCLATURE			QTY	NSN		COST	
1								
2								
3								
4								
5								
6								
FIRST CONTACT SMITH	RATE GSM	SECOND CONTACT ARNOLD			RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP	

AUXILIARY MACHINERY ROOM 1 (5-180-0-E)



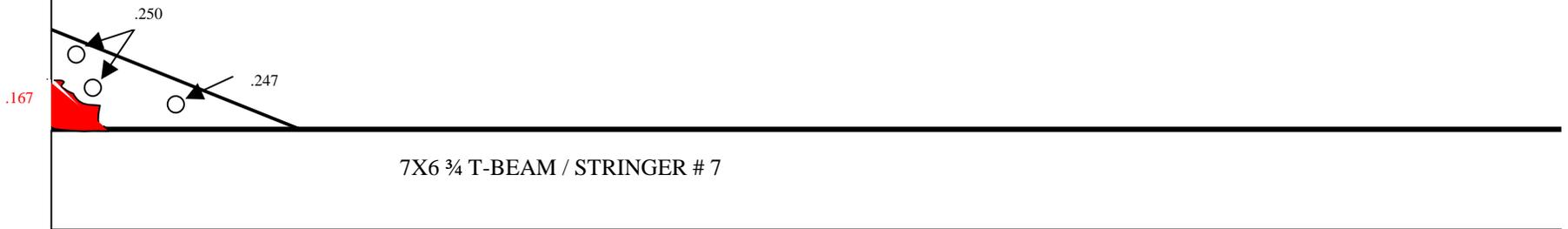
(Top) Port side, Gusset from stringer 7 to BHD 180
Area recommended for repair and preservation.



(Bottom) Port side, Gusset from stringer 7 to BHD 180 area marked by
arrow denotes U/T reading of **.167**, whereas the minimum is **.213**
Area recommended for repair and preservation.

USS ELROD FFG 55

BHD 180



7X6 3/4 T-BEAM / STRINGER # 7

USS ELROD FFG 55
AUXILARY MACHINERY ROOM #1
(5-180-0-E) PORT SIDE LOOKING
INBOARD.

J.LAROCK / T. ILGENFRITZ
QED SYSTEMS INC.
05/16/01

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-180-0-E	WORK CENTER EMO4	JSN A145		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side (5-180-E), from BHD (204) to WF (196). Leaking valve OVBD (5-203-2) at BHD (204) has caused approximately 30sf of salt water Corrosion and paint separation.							
RECOMMENDED REPAIRS: Needle gun approximately 30sf of area, preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Valve leaking causing corrosion.				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

AUXILIARY MACHINERY ROOM 1 (5-180-0-E)



(Top) Port side, At BHD 204,OVBD discharge (5-203-2) LKDO, leaking at the valve and flange socket joint is the root cause of corrosion. Area recommended for repair and preservation.



(Bottom) Port side, at BHD 204, stringer 4-8, with salt corrosion. Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-180-0-E	WORK CENTER EMO4	JSN A131		
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 - SHIP'S 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. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 80	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 - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side (5-180-0-E) off center line, under salt-water strainer no1, approximately 40sf of surface rust and paint separation.							
RECOMMENDED REPAIRS: Needle gun approximately 40sf of area, preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Corrosion and paint separation under salt-water strainer no1.				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SMITH	RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

AUXILIARY MACHINERY ROOM 1 (5-180-0-E)



(Top) Port side, off centerline salt-water strainer and pump no1.
Are root cause for foundation corrosion.



(Bottom) Port side, under salt-water strainer no1.
Area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS ELROD FFG 55					
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 5-51-0-Q	WORK CENTER EMO4	JSN A129	
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 280	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION:							
STBD side (5-51-0-Q) Eductor room, stringer 1 is severely thinned with random U/T readings at .104, .181 & .197, the minimum allowable is .209							
Part of the flange is broken off where it meets BHD (155), the vertical stiffeners from the keel to stringer (2) are severely corroded and have							
Broken off areas. Approximately 50sf of bilge area have surface rust and heavy paint separation.							
RECOMMENDED REPAIRS:							
Replace stringer (1) with 4x10 T-Beam, approximately 5 linear ft and approximately 8 linear ft of 2x3 T-Beam . Needle-gun entire bilge area,							
Preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: U/T reading below minimum on stringer (1)				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED			TD	TL	LOGISTICIAN	TSP	

EDUCTOR ROOM (5-51-0-Q)



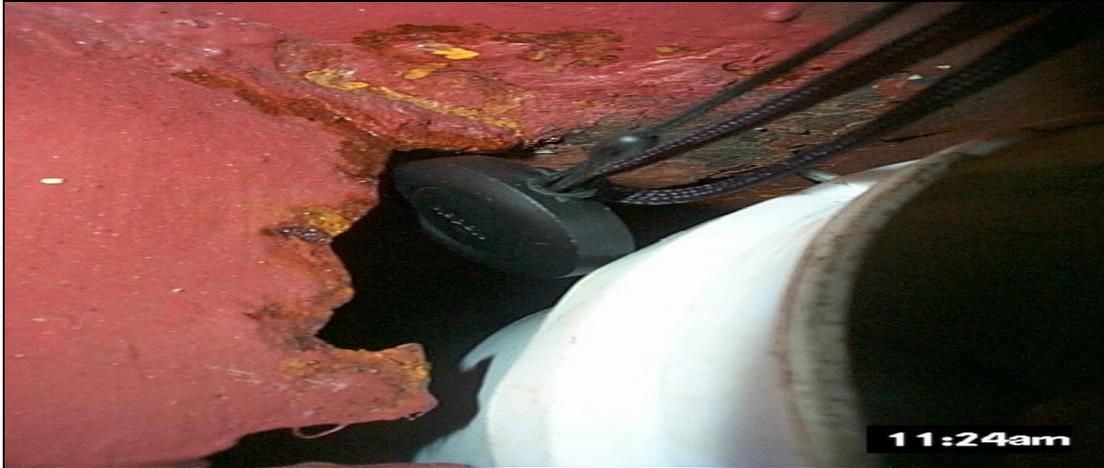
(Top) Port side, bilge pocket has surface rust and paint separation.
Entire bilge area recommended for preservation.



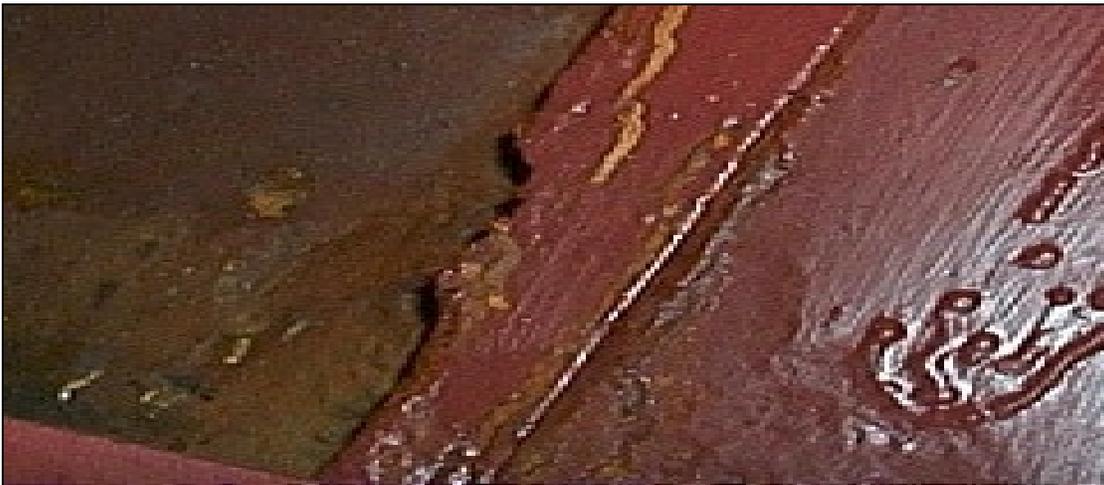
(Bottom) Keel has surface rust and paint separation.
Area recommended for preservation.

USS ELROD FFG 55

EDUCTOR ROOM (5-51-0-Q)



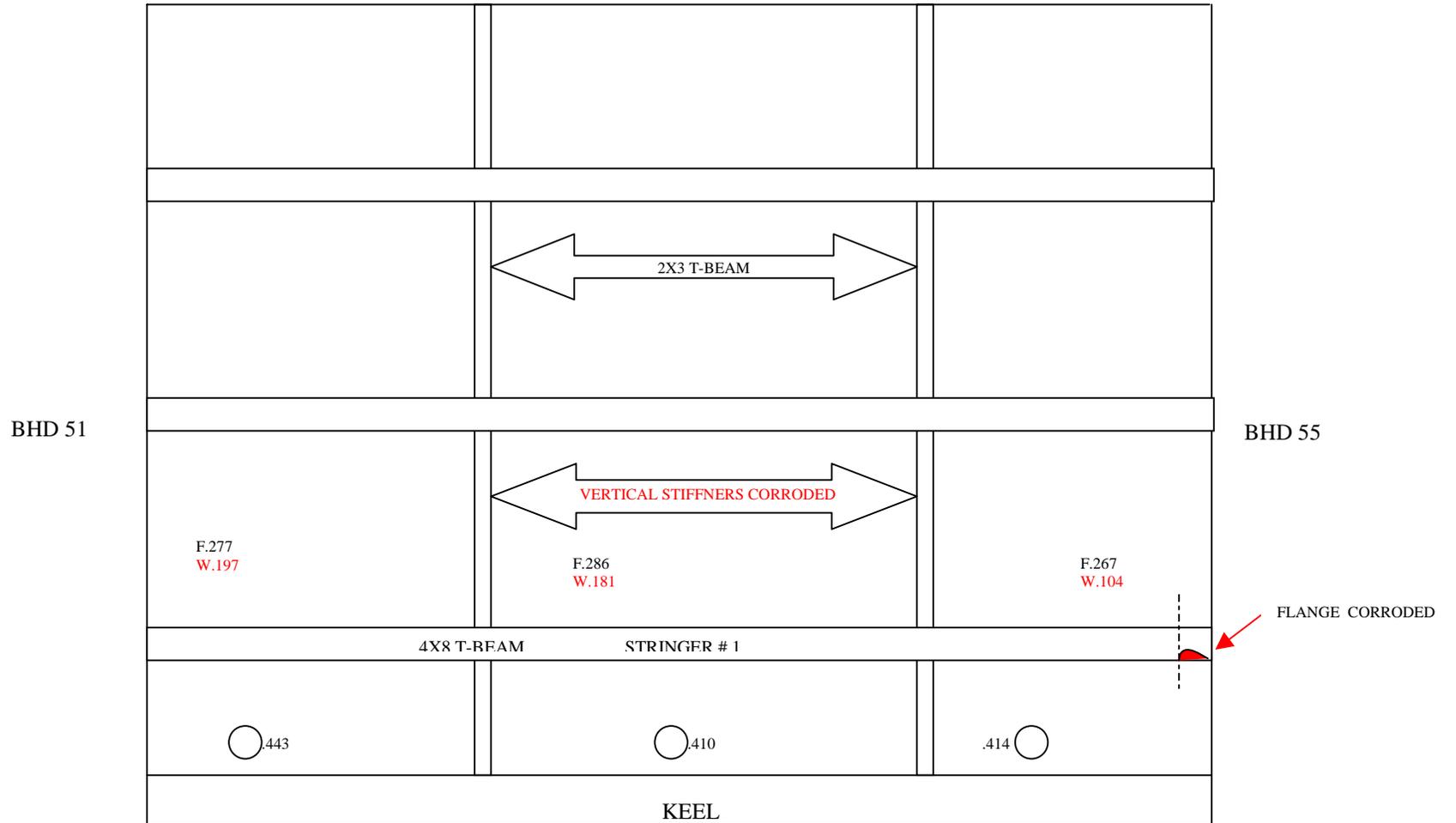
(Top) Starboard side, flange on stringer 1 is heavily deteriorated.
Area recommended for repair and preservation.



(Bottom) Starboard side, vertical stiffener between stringers 1-2, is
heavily deteriorated.
Area recommended for repair and preservation.

USS ELROD FFG 55

4TH DECK



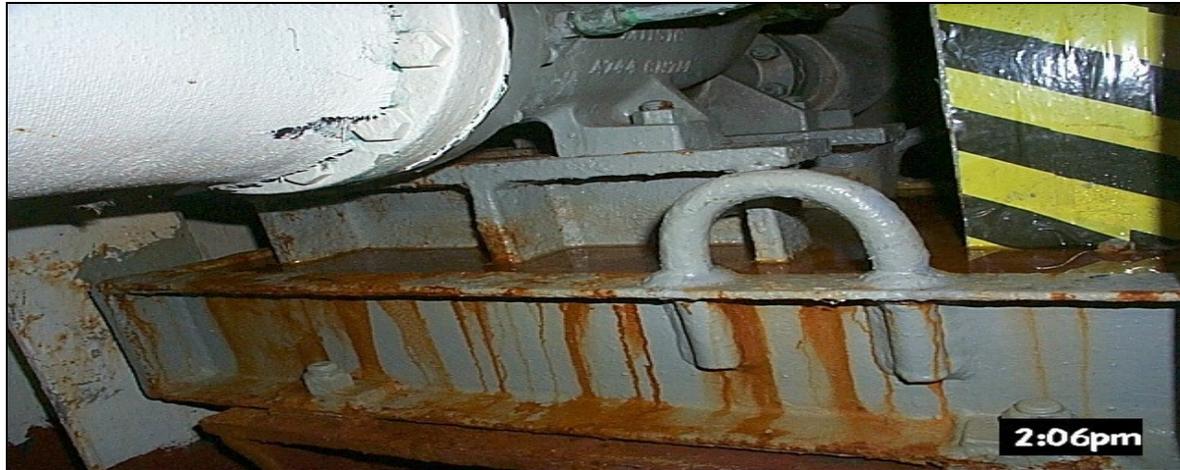
USS ELROD FFG 55
EDUCTOR ROOM (5-51-0-Q)
Side view looking starboard

J.LAROCK / T.ILGENFRITZ
QED SYSTEMS INC.
05/16/01

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 4-172-1-E	WORK CENTER EMO4	JSN A144		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 280	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Fire pump room (4-172-1-E), pump foundation and entire bilge area have light corrosion and heavy paint separation.							
RECOMMENDED REPAIRS: Needle-gun entire bilge area and pump foundation, approximately 80sf. Preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Fire pump room has surface rust and paint separation.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMENCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

FIRE PUMP ROOM (4-172-1-E)



(Top) Fire pump foundation, is full of water and has surface rust and paint separation.
Area recommended for preservation.



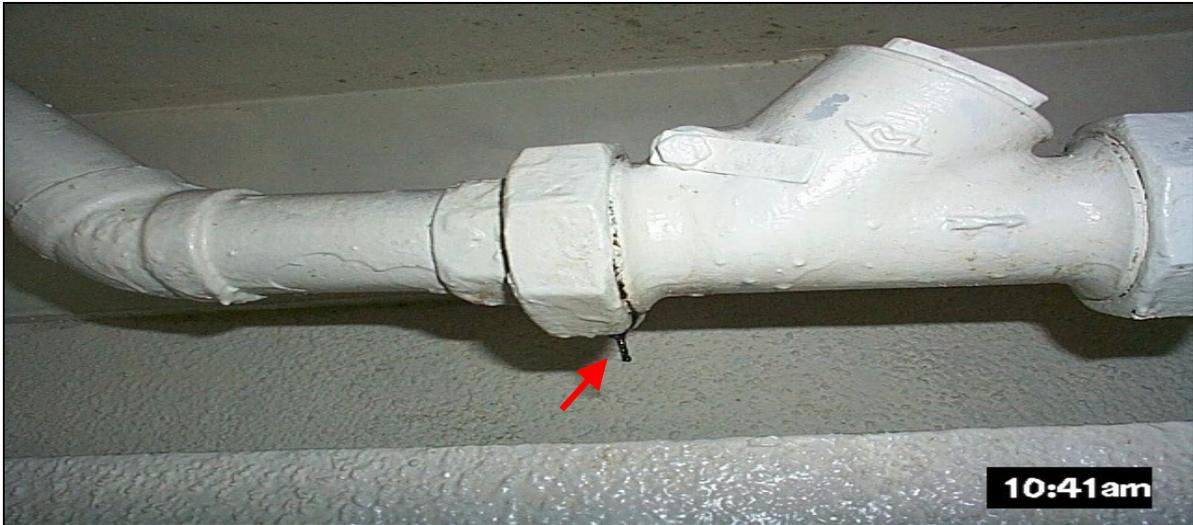
(Bottom) Starboard bilge pocket is full of water
Entire bilge area recommended for preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55				
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 4-160-0-Q	WORK CENTER EMO4		JSN A178	
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 - SHIP'S 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 0. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 120		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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION:								
Port side (4-160-0-Q), the union on the check valve approximately 8" from BHD (180) is leaking sewage. All stringers below including the Bilge pocket is full of water and sewage. Approximately 60sf of lagging is saturated surface rust and paint separation.								
RECOMMENDED REPAIRS:								
Repair valve, remove approximately 60sf of lagging. Needle gun areas exposed by removal, including bilge pocket, preserve area, replace Lagging and paint to match.								
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN / T. ZWOLAK								
CSMP SUMMARY: Check valve is leaking, saturated lagging.					TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT:								
PART NO.	NOMEMCLATURE			QTY	NSN		COST	
1								
2								
3								
4								
5								
6								
FIRST CONTACT SHILES		RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED SYSTEMS				TD	TL	LOGISTICIAN	TSP	

CHT ROOM (4-160-0-Q)



(Top) Port side, Union at check valve on soil drain line is leaking sewage.
Immediate repair is highly recommended.



(Bottom) Port side, stringer under check valve and surrounding area has waste contamination.
Entire area recommended for cleaning and preservation.

USS ELROD FFG 55

CHT ROOM (4-160-0-Q)



(Top) Port side, arrow denotes waste contamination on shell plate. Immediate attention recommended.



(Bottom) Port side, bilge pocket is containing waste. Entire area recommended for cleaning and preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS ELROD FFG 55					
SYSTEM Hull Structure		ESWS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 4-160-0-Q	WORK CENTER EMO4		JSN A146
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 1		MAN HRS REMAINING 15		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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port sides (4-160-0-Q) under drain from sewage pump no 2; inside coaming has light corrosion and heavy paint separation approximately 2sf.							
RECOMMENDED REPAIRS: Needle-gun area, preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Approximately 2sf under drain line inside coaming has heavy corrosion and paint separation.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SMITH		RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE	
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

CHT ROOM (4-160-0-Q)



(Top) Port side, drain from sewage pump no2, causing mild corrosion.
Area recommended for preservation.



(Bottom) Port side, inside coaming at BHD 180.
Entire area recommended for cleaning and preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS ELROD FFG 55						
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L			
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 4-160-0-Q	WORK CENTER EMO4	JSN A132		
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 - SHIP'S 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 0. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 1	MAN HRS REMAINING 85		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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: STBD side (4-160-0-Q), WF (164-180) entire bilge pocket has approximately 30sf of surface rust and heavy paint separation.								
RECOMMENDED REPAIRS: Needle-gun approximately 30sf of bilge pocket, preserve and paint to match surrounding area.								
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK								
CSMP SUMMARY: Approximately 30sf of bilge pocket has surface rust and paint separation.					TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT								
PART NO.	NOMENCLATURE			QTY	NSN		COST	
1								
2								
3								
4								
5								
6								
FIRST CONTACT SMITH	RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE			
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP	

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 4-160-0-Q	WORK CENTER EMO4	JSN A141		
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 - SHIP'S 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. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 1	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 - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: STBD side (4-160-0-Q), stringer (9) below OVBD (4-167-1), has surface rust and paint separation approximately 16sf.							
RECOMMENDED REPAIRS: Needle-gun approximately 16sf of area, preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Approximately 16sf stringer (9) has rust and paint separation.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SMITH	RATE GSM	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

CHT ROOM (4-160-0-Q)



(Top) Starboard side, bilge pocket at BHD 160, rust and heavy paint separation.
Area recommended for preservation.



(Bottom) Starboard side, bilge pocket at BHD 160 U/T readings satisfactory
Entire area recommended for cleaning and preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWSB 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 4-140-0-Q	WORK CENTER EMO4	JSN A017		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 90	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side (4-140-0-Q), between WF (148-164) stringer (7-9), have approximately 48sf of saturated lagging, shell plate and stringers also have Surface rust and paint separation.							
RECOMMENDED REPAIRS: Remove approximately 48sf of lagging and needle-gun area exposed by removal, preserve area, replace lagging and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Approximately 48sf of saturated lagging.				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT Rocket	RATE SK	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

LAUNDRY (4-140-0-Q)



(Top) Port side, between WF 148-164 stringer 7 has saturated lagging, surface rust and heavy paint separation. Area recommended for repairs and preservation.



(Bottom) Port side, stringer 7
Entire area recommended for cleaning and preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS ELROD FFG 55					
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 4-140-0-Q	WORK CENTER EMO4		JSN A019
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 1		MAN HRS REMAINING 160		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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side (4-140-0-Q), between WF(148-164) entire bilge pocket has approximately 50sf of surface rust and paint separation.							
RECOMMENDED REPAIRS: Needle-gun approximately 50sf of bilge pocket, preserve and paint to match area.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Approximately 50sf of bilge pocket has rust and paint separation.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT ROCKET		RATE SK	SECOND CONTACT ARNOLD		RATE DCC	PHONE	
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

LAUNDRY (4-140-0-Q)



(Top) Port side, bilge pocket surface rust and heavy paint separation.
Area recommended for repairs and preservation.



(Bottom) Port side, bilge pocket.
Entire area recommended for cleaning and preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER			SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L	
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 4-140-3-A	WORK CENTER EMO4	JSN A021	
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 1	MAN HRS REMAINING 30	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: STBD side (4-140-3-A), Laundry sore room, entire bilge-pocket approximately 8sf of surface rust and paint separation.						
RECOMMENDED REPAIRS: Needle gun approximately 8sf of bilge pocket, preserve and paint to match.						
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK						
CSMP SUMMARY: Approximately 8sf of bilge pocket has surface rust and paint separation.				TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT						
PART NO.	NOMENCLATURE			QTY	NSN	COST
1						
2						
3						
4						
5						
6						
FIRST CONTACT ROCKET	RATE SK	SECOND CONTACT ARNOLD		RATE DCC	PHONE	
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED			TD	TL	LOGISTICIAN	TSP

LAUNDRY STORE ROOM (4-140-3-A)



(Top) Starboard side, bilge pocket surface rust and heavy paint separation.
Area recommended for preservation.



(Bottom) Starboard side, bilge pocket.
Entire area recommended for cleaning and preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER			SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWSB 11011	EIC A100	APL X-SYSTEMS	RIN N/L	
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 4-48-1-Q	WORK CENTER EMO4	JSN 3111	
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 240	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: (CSMP) WRITTEN. STBD side, (4-48-1-Q), first stringer off the deck has two holes and random, low U/T readings from .090 to .125 . BHD (56) Where it meets the deck and the shell plate has a low U/T reading of .135 .						
RECOMMENDED REPAIRS: Replace approximately 8 linear ft of 4x8 T-beam and approximately 8 linear ft of 2x3 T-beam. Remove approximately 2sf of BHD (56) and Replace with .250 mild steel, preserve and paint to match areas disturbed by removals.						
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK						
CSMP SUMMARY: Deteriorated stringers and BHD.				TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT						
PART NO.	NOMEMCLATURE			QTY	NSN	COST
1						
2						
3						
4						
5						
6						
FIRST CONTACT RAINES	RATE STG2	SECOND CONTACT PALEY		RATE STGSN	PHONE	
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED			TD	TL	LOGISTICIAN	TSP

SONAR COOLING ROOM (4-48-1-Q)



(Top) Starboard side, first stringer off the deck, arrow denotes hole. U/T readings indicate severe thinning with low reading at .090. Recommended for repairs.



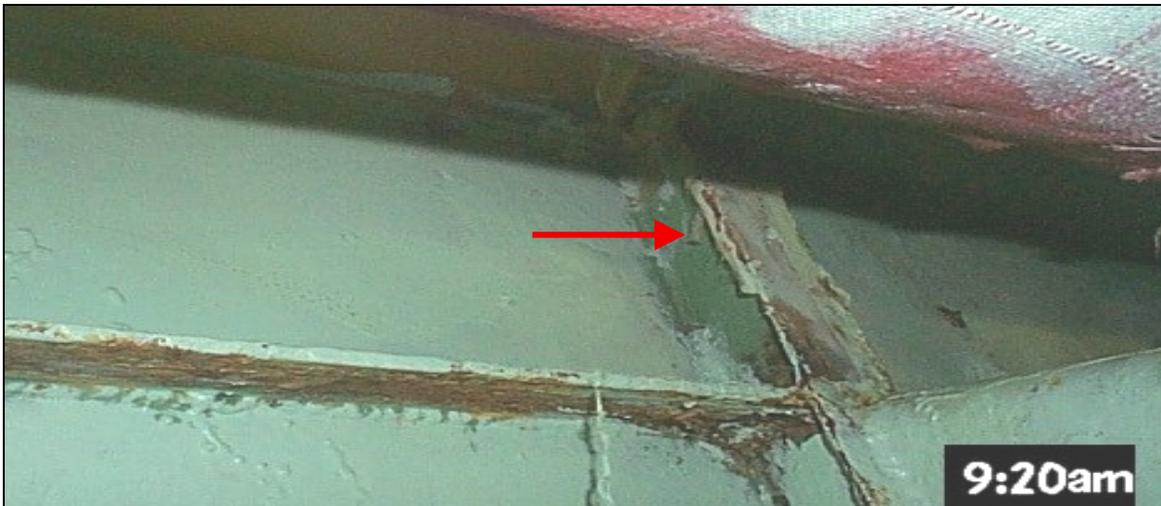
(Bottom) Starboard side, at BHD 56 arrow indicates 2nd hole in stringer.

USS ELROD FFG 55

SONAR COOLING ROOM (4-48-1-Q)



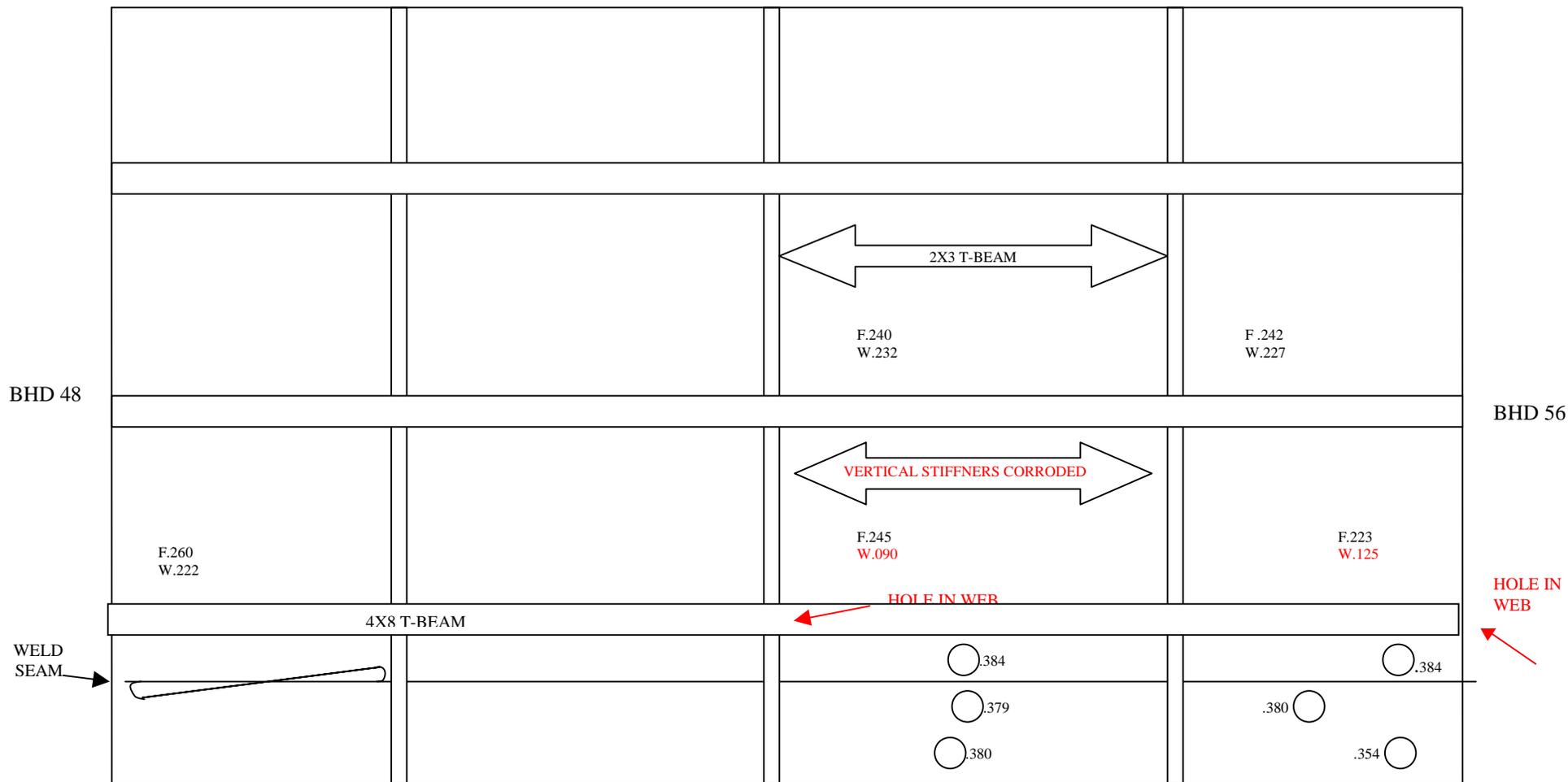
(Top) Starboard side, looking aft at BHD 56 arrow indicates severe thinning with U/T reading at .135.
Recommended for repairs.



(Bottom) Starboard side, vertical stiffener between 1st and 2nd stringer severely corroded.
Entire area recommended for lagging removal and preservation.

USS ELROD FFG 55

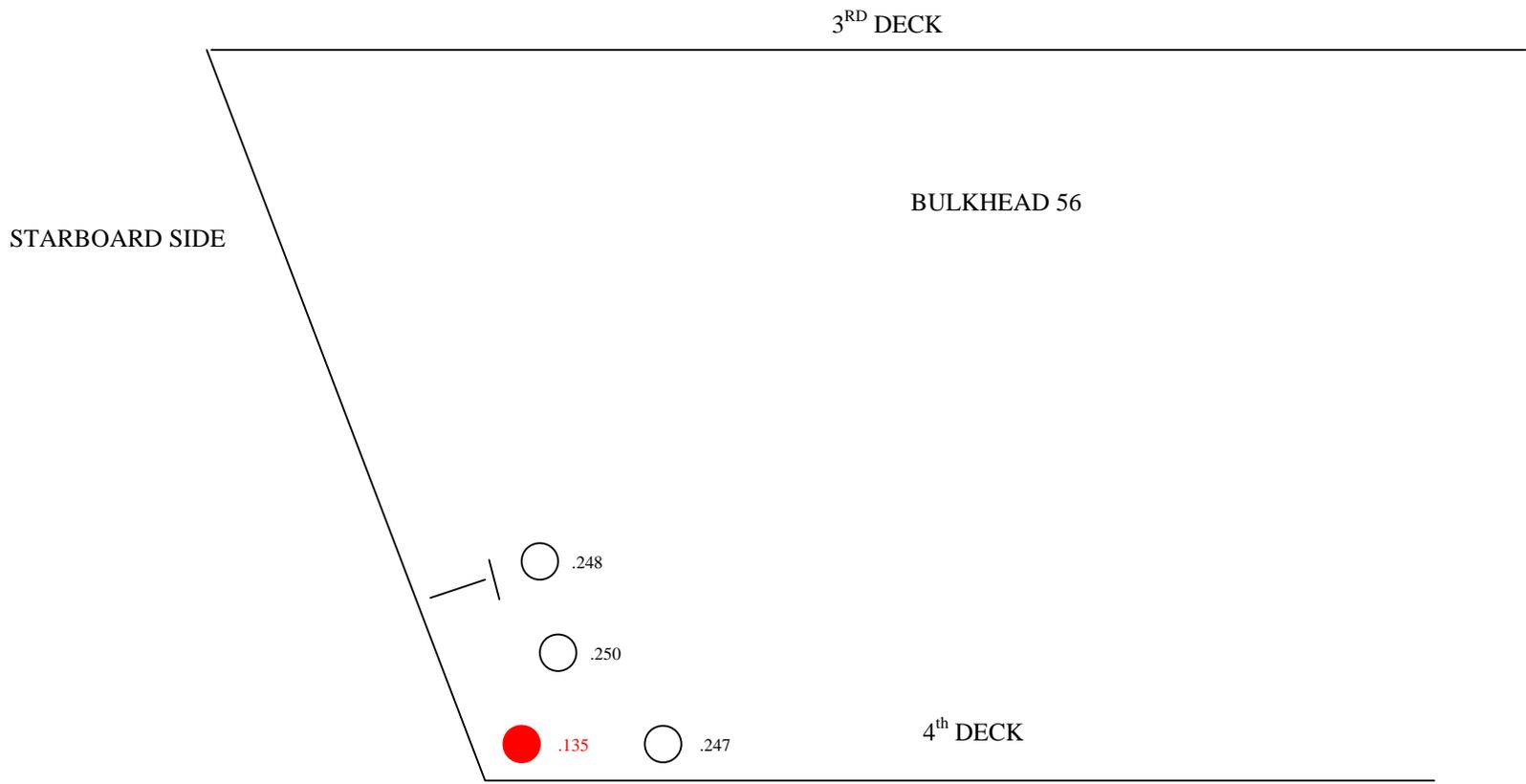
3RD DECK



4TH DECK

USS ELROD FFG 55
SONAR COOLING ROOM (4-48-1-Q)
Side view looking starboard

J.LAROCK / T.ILGENFRITZ
QED SYSTEMS INC.
05/16/01



USS ELROD FFG 55
 SONAR COOLING ROOM (4-48-1-Q)
 Starboard side looking aft

J.LAROCK / T. ILGENFRITZ
 QED SYSTEMS INC.
 05/16/01

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 3-140-1-L	WORK CENTER EMO4	JSN A020		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 20	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: STBD side (3-140-1-L), storage in P-way, 1 st and 2 nd stringers off the deck were found with saturated lagging, light rust and paint separation.							
Approximately 20sf.							
RECOMMENDED REPAIRS:							
Remove approximately 20sf of lagging, needle gun area disturbed by removals, preserve and paint area to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Approximately 20sf of lagging is saturated.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT							
PART NO.	NOMENCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT ROCKET	RATE SK	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

CLEANING GEAR LOCKER (3-140-1-A)



(Top) Starboard side, first stringer off the deck has saturated lagging and surface rust and paint separation. Recommended for repairs.



(Bottom) Starboard side, first stringer off the deck. Entire area recommended for lagging removal and preservation.

USS ELROD FFG 55

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS ELROD FFG 55			
SYSTEM Hull Structure		ESWSB 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 3-84-0-E	WORK CENTER EMO4	JSN A130		
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 - SHIP'S 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 0. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR 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 2	MAN HRS REMAINING 600	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: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: Port side (3-84-0-E), behind / around A/C condenser, tank top/deck has random low U/T readings of .127, .204, .209 & .212. Tank top/ deck has Buckling at approximately 2ft inboard from A/C foundation.							
RECOMMENDED REPAIRS: Remove approximately 50sf of tank top/deck, replace with .250 steel, preserve and paint to match.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /T. ZWOLAK							
CSMP SUMMARY: Low U/T readings in tank top/deck.				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT SHILES	RATE DC1	SECOND CONTACT ARNOLD		RATE DCC	PHONE		
ASSESSOR / ACT / TECH ID# J. LaROCK / T. ILGENFRITZ QED				TD	TL	LOGISTICIAN	TSP

A/C MACHINERY ROOM (3-84-0-E)



(Top) Port side, behind A/C condenser at BHD 100 arrow indicates U/T reading at **.127**.
Recommend removal of approximately 50 SF of tank top.



(Bottom) Port side, between condenser and shell arrow indicates low U/T reading at **.204**.

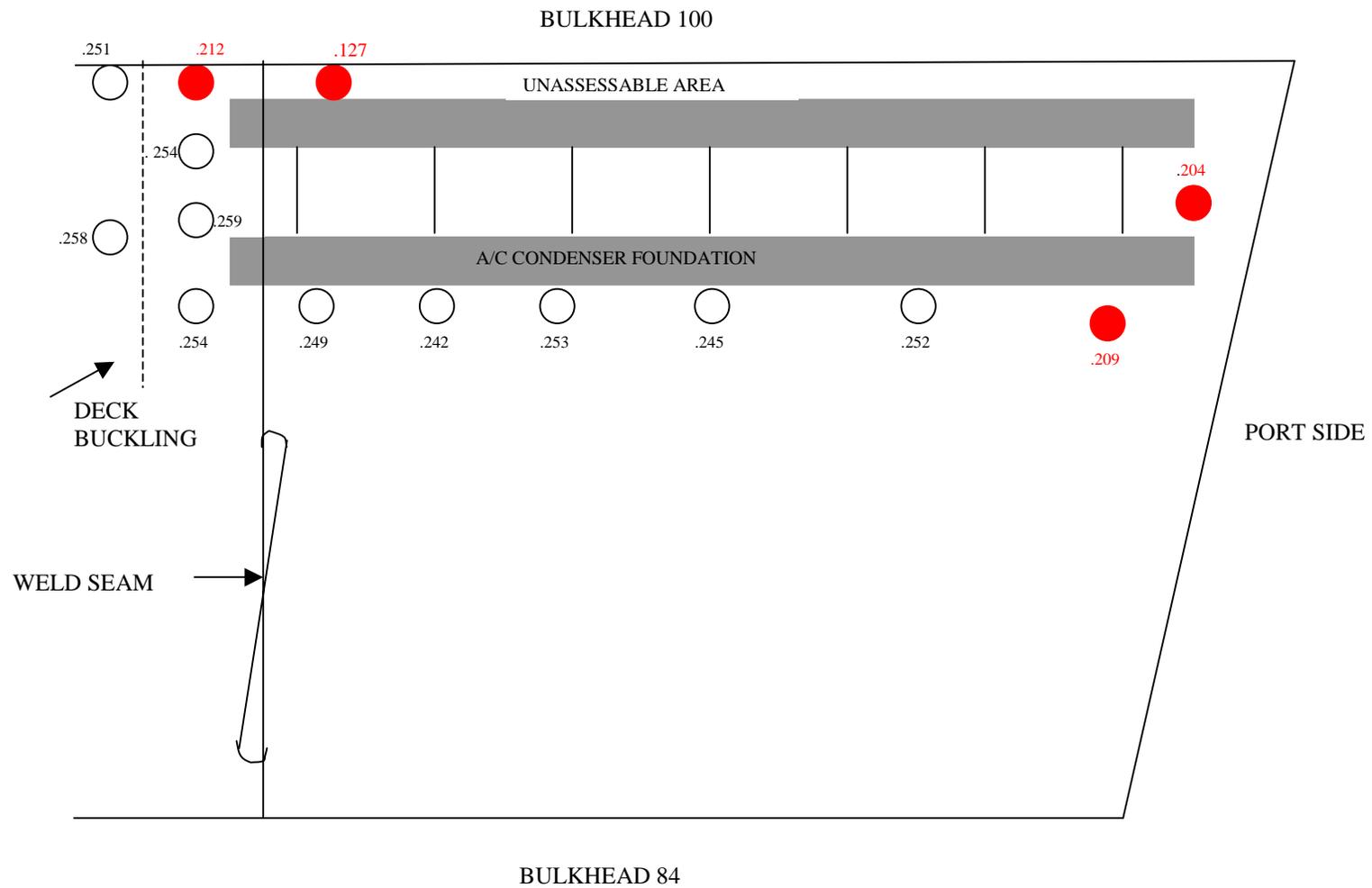
USS ELROD FFG 55

A/C MACHINERY ROOM (3-84-0-E)



(Bottom) Port side of center. Arrow indicates buckling in tank top.

USS ELROD FFG 55



USS ELROD FFG 55
 A/C MACHINERY ROOM (3-84-0-E)
 Top view

J. LAROCK / T.ILGENFRITZ
 QED SYSTEMS INC.
 05/15/01

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	Y	N	Y		REQUIRES GAS FREE
3-32-2-A	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-32-1-K	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-36-2-T	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-40-2-A	NOT DURING SHIPCHECK		N		
3-46-1-A	NOT DURING SHIPCHECK	N	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-48-2-A	Y	N	N		
3-53-2-A	NOT DURING SHIPCHECK	N	N		
3-36-1-A	Y	N	N		
3-56-0-A	Y	N	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-64-2-V	NOT DURING SHIPCHECK		Y		REQUIRES GAS FREE
3-64-1-V	NOT DURING SHIPCHECK		Y		REQUIRES GAS FREE
3-84-0-E	Y	Y	N	FR 94-100 STBD OF SHELL, DECK TO OVERHEAD	ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT SIDE SHELL ASSESSABLE)

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	Y	N	Y		REQUIRES GAS FREE
3-32-2-A	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-32-1-K	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-36-2-T	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-40-2-A	NOT DURING SHIPCHECK		N		
3-46-1-A	NOT DURING SHIPCHECK	N	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-48-2-A	Y	N	N		
3-53-2-A	NOT DURING SHIPCHECK	N	N		
3-36-1-A	Y	N	N		
3-56-0-A	Y	N	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-64-2-V	NOT DURING SHIPCHECK		Y		REQUIRES GAS FREE
3-64-1-V	NOT DURING SHIPCHECK		Y		REQUIRES GAS FREE
3-84-0-E	Y	Y	N	FR 94-100 STBD OF SHELL, DECK TO OVERHEAD	ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT SIDE SHELL ASSESSABLE)

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	FR 95, PORT SIDE, ON TANK TOP	ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA STBD FWD BHD 84 TO FR 93, 5' 6" OFF DECK ELECT PANELS)
3-93-1-Q	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT SIDE SHELL ASSESSABLE)
3-100-0-L	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA PORT AND STBD FROM FR 115 TO AFT BHD 140, 6' 3" OFF DECK - BUNKS)
3-100-1-L	Y	Y	N		LAGGING 100% AND SS 50% (INSTALLED 49" OFF DECK, FR 100-113)
3-113-0-L	Y	Y	N	FR 113-124, STBD SIDE OF SHELL, DECK TO OVERHEAD	LAGGING 100% AND SS 50% (INSTALLED 49" OFF DECK, FR 113-123)
3-140-2-L	Y	Y	N		LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FR 140-155)
3-140-1-L	Y	Y	N		LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FR 140-155)
3-144-0-L	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (UNACCESSIBLE AREA, PORT & STBD FR 165-180, 6'3" OFF DECK BUNKS)

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-156-2-Q	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA PORT & STBD FR 165-180, 6'3" OFF DECK BUNKS)
3-154-1-Q	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT SIDE 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	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-236-1-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-236-2-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-240-1-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-240-2-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-272-2-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-272-1-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-278-1-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-278-2-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-286-2-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-286-1-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-292-8-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-316-1-J	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
3-322-1-J	NOT DURING SHIP CHECK	N	Y		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	N	N	Y		REQUIRES GAS FREE
4-20-0-W	N	N	Y		REQUIRES GAS FREE
4-27-0-V	N	N	Y		REQUIRES GAS FREE. FR 27 FR 32 P/S FR - 3' UP 26' 41/16
4-32-0-Q	Y	Y	N		
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	ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA FR 50 TO AFT BHD 56, 4' -0' OFF DECK HEATEX & PPG)
4-56-2-A	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-56-0-M	NOT DURING SHIPCHECK	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-64-0-Q	NOT DURING SHIPCHECK	Y	N		

<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>					
4-100-0-E	Y	Y	N	FR 100-101 STBD SIDE OF SHELL 6'BELOW GRATING	ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT & STBD SHELL ASSESSABLE)
4-100-0-Q	Y	Y	N	TANK TOP FOR 5-14- & 5-164-2F	STAINLESS STEEL 100% (100% OF PORT SIDE SHELL ASSESSABLE)
4-140-3-A	Y	N	N		ACCESSIBLE HIDDEN LAGGED 100%(100% OF SHELL ASSESSABLE)
4-152-1-A	Y	N	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-160-0-Q	Y	N	N		100% OF PORT AND STBD SHELL ASSESSABLE
4-172-1-E	Y	Y	N	FR 174-180 STBD OF SHELL 6" BELOW GRATING BTWN L7-L9	100% OF PORT & STBD SHELL ASSESSABLE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-FF-0-V	N	N	N		INACCESSIBLE VOID FR 18 -32, P/S. FROM STM UP 4FT. FR 5-18, P/S. FROM STM UP 6 FT. FR E-12, P/S. FROM STM UP 10FT
5-32-0-W	Y	N	Y		REQUIRES GAS FREE
5-51-0-Q	Y	N	N		100% OF PORT AND STBD SHELL ASSESSABLE
5-56-0-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-64-0-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-84-2-F	NOT DURING SHIPCHECK	N	N		REQUIRES GAS FREE
5-84-1-F	NOT DURING SHIPCHECK	N	N		REQUIRES GAS FREE
5-100-2-W	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
5-100-1-W	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
5-100-4-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-100-3-F	N	N	Y		REQUIRES GAS FREE
5-116-2-F	N	N	Y		REQUIRES GAS FREE
5-116-1-F	N	N	Y		REQUIRES GAS FREE
51/2-116-0-V	N	N	Y		INACCESSIBLE VOID FR 116-132, P/S. FROM KEEL UP 4FT.

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-132-0-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-137-1-T	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-140-2-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-140-1-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-164-0-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-164-2-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-164-1-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-170-0-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-180-0-E	Y	Y	N	FR 180, PORT 15' 0" OFF CL, 8' SF.	SHELL NON ASSESSABLE ON PORT SIDE FR 180-195, FR 204-212, OVRHEAD TO BILGE, TANK & FND
5-180-01-E	Y	Y	N		100% OF STBD SHELL ASSESSABLE
5-192-2-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-201-1-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-201-3-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-204-2-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-204-1-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-212-0-E(UL)	Y	Y	N	FR 215-220 PORT SIDE OF SHELL, U/L BTWN L13-L14	ACCESSIBLE HIDDEN LAGGED UPPER LEVEL. (NON ACCESSIBLE AREA, PORT SIDE FR220-224, 5' 0" OFF U/L GRATING VOLTAGE REGULATOR)
5-212-0-E(LL)					ASSESSABLE HIDDEN, LAGGED LOWER LEVEL, ACCESSIBLE AREA PORT FR 212-228, L10 TO BILGE AREA. STBD FR 212-228 L8 TO BILGE AREA. (NOT ACCESSIBLE AREA, PORT & STBD FR 228-250, FROM U/L TO BILGE AREA FUEL OIL HEATER)
5-220-2-W	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-222-1-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-226-2-E	N	Y	N		SHELL NON ASSESSABLE FR 225-229, 4'2" OFF U/L GRATING. AIR FLASK, MANIFOLD & FUEL TANK.
5-226-1-E	N	Y	N		SHELL NON ASSESSABLE (FR 225-229, 4'2" OFF U/L GRATING, FR 235-250, 6'3" OFF U/L GRATING, AIR FLASK, MANIFOLD & FUEL TANK).

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<u>5TH DECK</u>					
5-250-0-E	Y	Y	N	FR 271-272 PORT SIDE OF SHELL. TOP OF L/0 TNK TOP	LAGGED EXCEPT FOR BILGE AREA, AT 18" ABOVE GRATING INTO BILGE AREA. (SHELL NON ASSESSABLE ON PORT 1' 0" AFT OF FR 270 TO FR 292, FROM 5' 0" OFF GRATING, STBD FR 265-270 FROM 1' 0" FROM OVERHEAD TO 6" BELOW GRATING, 14" AFT OF FR 270-273, 5' 0" OFF GRATING POWER PANELS)
5-250-0-E	Y	Y	N	FR 250 PORT SIDE OF SHELL, BTWN L9-L12	
5-250-0-E	Y	Y	N	FR 258-264 STBD SIDE OF SHELL, BTWN L9-L12	
5-250-1-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-250-2-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-270-0-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-276-0-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-290-2-F	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-292-0-E	Y	Y	N	FR 316-328 PORT SIDE OF SHELL BETWEEN L5-L9	ACCESSIBLE HIDDEN LAGGED, ASSESSABLE AREA PORT FR 292-318, DK GRATING TO OVERHEAD (SHELL NON ASSESSABLE ON PORT FR 318-328, 2' FROM GRATING TO OVERHEAD OF SPACE, STBD FR 292-300, 3' OFF GRATING TO OVERHEAD, FR 305-308, 3' OFF GRATING TO OVERHEAD, FR 313-328, 6'3" OFF GRATING & POWER PANELS.
5-292-0-E	Y	Y	N	FR 292-328 PORT SIDE OF SHELL BTWN L1-L3	
5-292-1-W	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-292-2-W	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-292-3-W	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-308-2-W	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-308-1-W	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-328-0-J	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-328-2-W	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-328-1-W	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-344-0-J	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE

5-368-0-V	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-201-3-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-204-2-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE
5-204-1-F	NOT DURING SHIPCHECK	N	Y		REQUIRES GAS FREE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<u>5TH DECK</u>					
5-344-0-J	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-368-0-V	NOT DURING SHIP CHECK	N	Y		REQUIRES GAS FREE
5-386-0-V	N	N	Y		INACCESSIBLE VOID FR 386-392,P/S, FROM KEEL UP 2',FR 400-408 P/S FROM KEEL UP 2'
5-392-0-V	Y	N	Y		REQUIRES GAS FREE
5-368-01-E	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
5-376-1-A	Y	Y	N		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)