WebAIM Short Form TASK GROUP INSTRUCTION

05-MAR-2025 1623

20.14.15.2.9020 (September 2024) ICN: 3819P22115 KeyOp: A05

TGI NO:	COMPONENT NAME:	TYPE:	PHASE:	REPEAT:	CHG/VER:
	1B BLR BCMS	**AY**	**A**	**0**	**0/0**

SHIP/HULL NO:	SHIP/HULL NAME:	PROJECT:	SYSTEM:	PLANT ID:	CASREP CAT:
LCC-19	**USS BLUE RIDGE**	19P			

CU PHASE TITLE: (BIRMIS) F/O – REPLACE FURNACE LIGHT AND CAMERA WALL BOX ASSY OF 1B BOILER BCMS

PREPARING ACTIVITY:	STATUS: APP	WORKING STATUS:

PREPARED BY: SOEJIMA, DAISUKE	CODE: 234	PHONE: 3152434480	DATE: 27-FEB-2025
APPROVED BY: IZUMI, NORIAKI	CODE: 234	PHONE: 3152432243	DATE: 28-FEB-2025
CONCURRED BY:	CODE:	PHONE:	DATE:

REASON FOR WORK/NEED FOR CHANGE:
EM02L192

JCN:
EM02-L192

SPECIAL REQUIREMENTS:
TGI Short Form

CU PHASE DESCRIPTION:

1. SCOPE/PURPOSE:

1.1 Title: Furnace Light and Furnace Camera Wall Box Assembly of 1B Boiler Boiler Combustion Monitoring System (BCMS); replace

1.2 Location of Work:

1.2.1 Fire Room (8-76-0-E)

1.3 Identification:

1.3.1 Quantity (One EA), Boiler, Main Propulsion, 1B
Mfr: Foster Wheeler Corp
Mfr ID: N/A
Design Pressure: 705 PSIG
Max Operating Pressure: 655 PSIG
APL: 021550096

ZONE MANAGER:	ZONE:	COMPARTMENT:	LEVEL:	FRAME:	SIDE:
TAKAHASHI, YASUHIKO					

JOB SUMMARY ID:	TOT MAN HR.:	TOT DUR:	TOT JML COST:	PLANNING ACCEPTANCE:
221A1115				

WORK CERTIFICATION SIGNATURES:	DLs													

COMPLETION OF WORK REVIEW:	BADGE NO:	SHOP/CODE:	PHONE:	DATE:
RECORDS REVIEW:	BADGE NO:	SHOP/CODE:	PHONE:	DATE:

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CU PHASE DESCRIPTION (Cont.)

1.3.1.1 Quantity (One EA), Wall Box Assembly, Furnace Light, BCMS, 1B Boiler
Casing Material: Carbon Steel, ASTM A-36, 0.1875 Inch Thickness
Wall Box Mounting Plate Material: Carbon Steel, ASTM A-36, 0.1875 Inch Thickness
Remarks: See Ref. No. 3 for details

1.3.1.2 Quantity (One EA), Wall Box Assembly, Furnace Camera, BCMS, 1B Boiler
Casing Material: Carbon Steel, ASTM A-36, 0.1875 Inch Thickness
Wall Box Mounting Plate Material: Carbon Steel, ASTM A-36, 0.1875 Inch Thickness
Remarks: See Ref. No. 3 for details

1.3.2 Quantity (10 SF), Castable Refractory, Wall Box Tube, 1B Boiler
Material: Castable Refractory, Fireclay
Specification: MIL-C-717
See Item No. F-7 of Ref. No. 3

1.4 Security Classification: None.

1.5 Initial Condition:

1.5.1 Potential Asbestos Hazard

1.5.2 Potential Lead Hazard

1.6 Contractor work start date: 7/21/2026

1.7 Contractor work completion date: 11/21/2027

2 PROCEDURE:

2.1 Remove existing castable refractory listed in 1.3.2, using Ref. No. 3 for guidance.

2.1.1 Contact C106R for disposal of known/suspected radiation substance waste.

2.1.1.1 Ensure radiation substance waste is not mixed with other hazardous/industrial waste.

2.1.1.2 Properly segregate, package, and label all known/suspected radiation substance waste.

2.1.1.3 Accumulate radiation substance waste in compatible 55 gallon drums. 55 gallon drums must be prepared by the contractor and the government must not return the drums after disposal.

2.1.1.4 Contact C106R to request coordination of disposal of accumulated radiation substance waste.

2.2 Remove each existing and install new wall box assembly listed in 1.3.1.1 and 1.3.1.2 with baffle tile to prevent damage in accordance with Ref. No .3 and Ref. No .4, using Ref. No. 5 for guidance.

2.2.1 Fabricate and install new gasket conforming to GRAPH-LOCK 3125SS, MIL-DTL-24696.

2.2.2 Accomplish the requirements of 009-12 of Ref. No. One, including Table 2, Column A, Lines One through 7.

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CU PHASE TITLE: (BIRMIS) F/O – REPLACE FURNACE LIGHT AND CAMERA WALL BOX ASSY OF 1B BOILER BCMS

CU PHASE DESCRIPTION (Cont.)

2.3 Install each new castable refractory listed in 1.3.2, using Ref. No. 3 for guidance

2.4 Accomplish the requirements of 009-32 of Ref. No. One for each new and disturbed surface.

2.5 Notes:

2.5.1 Planner: Code 234 D.SOEJIMA, 243-2242
Planner: Code 234 M.HOSODA, 243-4572
Planner: Code 233 M.TKEMURA 080-9350-1458

2.5.2 Work Integration Manager (WIM): Code 333 T. Yaginuma, 080-5419-0598.

2.5.3 This TGI is response to Boiler Inspection and Repair Management Information System (BIRMIS) for 1B Boiler report dated 17 OCT 2024, Line items “C-09 and D64I-01”.

2.5.4 Removal and installation boiler outer casing exterior insulation and lagging will be covered by TGI No. 3819P22102A01. (KTR TGI)

2.5.5 Asbestos abatement work of outer casing will be covered by TGI No. 3819P22103A01. (KTR TGI)

2.5.6 JCN EM02-L192 is related to this TGI.

2.6 Government Furnished Material (GFM):

2.6.1 SRF-JRMC will provide GFM listed in the Material List.

2.7 SRF-JRMC will provide the following service work: (TGI No. 3819P22115S06)

2.7.1 [C740] Crane and crane rigging service.

2.7.2 [X99E] Utility service, electrical.

2.7.3 [X99M] Utility service, including low pressure air supply, water supply, and steam supply.

2.7.4 [C106.1] Safety inspection for SRF-JRMC employees.

2.7.5 [C106.2] Gas free inspection for SRF-JRMC employees.

2.7.6 [C281] Provide on-sight support for 1B boiler repair work.

2.7.7 [C133] QA inspection for (G) symbol(s).

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OTHER SPECIAL REQUIREMENTS:
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Ref. No.	Document/Drawing Number	DOCUMENT/DRAWING TITLE	REV	CHG NO.	CPY REQ	PARAGRAPH	SECT	PG	CHPT
1	LI FY-25	Local Standard Items	-	ORG	N				
2	NSI FY-25	NAVSEA Standard Items	-	ORG	N				
3	DWG 200-8468764	BOILER COMBUSTION MONITORING SYSTEM (BCMS) BOILER MODIFICATIONS	-		Y			ALL	
4	TM S9221-DT-MMO-010	BOILER COMBUSTION MONITORING SYSTEM, BCMS	2		N				
5	TM S9086-GY-STM-010/CH-221	Boilers	8		N				

TASK NAME / TASK DESCRIPTION	SHOP/ TSD	TS	SF WC	CREW #	MHRS	RWRK
2.1 INSL: HRs	22/KE	PC				N
2.2 BLRM HRs, WELD HRs, INSL: HRs, ELEC HRs, RGRS: HRs, PNTR: HRs, QA: HRs	22/KE	PC				N
2.3 INSL: HRs	22/KE	PC				N
2.4 PNTR: HRs, QA: HRs	22/KE	PC				N
Boiler Work CFM for marine chemist cost, fire watch cost, lead sampling/analysis cost, and misc such as electrode, saw blades, wheel, gases, fastener, painting material, plastic bag/sheet and other consumable.	22/MQ	CS				N
Lagging Work CFM for asbestos sampler and analysis cost, paint, tyvek suit, gallon drum, enclosing/covering materials and other consumable.	22/MQ	CS				N
Electrical Work CFM for fasteners, insulation tape, plastic bags, and other consumable.	22/MQ	CS				N
Process Funding Document	10/CT	OM				N

MATERIAL REFERENCES

REF NO.	DOCUMENT/DRAWING NUMBER	DOCUMENT/DRAWING TITLE	REV
1	8468764		

ICN: 3819P22115	KEY OP: A05

MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M/C	DESCRIPTION	STOCK NUMBER	GENERIC MATL TYPE	LVL	QA	HAZ MAT	DOC NO.	QTY REQD/ UNIT	QTY USED/ UNIT

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001	F-9	1	M	WALL BOX ASSEMBLY, WALL BOX ASSEMBLY MOUNTINGS FURNACE LENS LENGTH: 914MM/36 INCHES VIEWING DIRECTION: DIRECT MATERIAL: CARBON STEEL DWG: 200-8468764 REV"-" ITEM NO. F-9 AND F-10 MFR P/N: 6515A36-900 C-234, D.SOEJIMA 243-4480 ORDERED FOR KTR	9B		NA	4	N		2/EA	
002			M	PLATE,METAL, C234 D.SOEJIMA 243-4480 ORDER FOR KTR PLATE METAL, ASTM-A36 6' X 10' X 3/16"	9B 9515 002671176		NA	4	N	50525116	1/PM	
003			M	PLATE,METAL, C234 D.SOEJIMA 243-4480 ORDER FOR KTR PLATE,METAL, 7FTX10FT X 1/4 THK	9B 9515 009526280		NA	4	N	50525121	1/PM	
004			M	GASKET MATERIAL,SHE, ORIG: C234 D.SOEJIMA, 243-4480 ORDERED FOR KTR	9B 5330 015287656		NA	4	N	50525118	1/SH	
100			M	CEMENT,INSULATION,H, HIGH TEMP CEMENT ORIG: C234 M. HOSODA, 243-4572 ORDERED FOR KTR	9B 5640 002722995		NA	4	Y	50435169	2/BG	
101			M	CASTABLE MIX,REFRAC, FC-25 ORIG: C234 M. HOSODA, 243-4572 ORDERED FOR KTR	9B HOLD 007891749		NA	4	Y	50435163	1/DR	
102			M	CASTABLE MIX,REFRAC, CASTABLE REFRACTORY, DENSE HIGH ALUMINAM MATERIAL, (60% AL203), CONVENTIONAL, 3000 DEGREE F, BRAND NAME: MIZZOU CASTABLE, SPEC: MIL-C-717, CASTABLE SHALL BE PACKED IN SEALED PLASTIC CONTAINER(55LB), CASTABLE PACKED IN PAPER BAG IS NOT ACCEPTABLE, ORIG: C234 M. HOSODA, 243-4572 ORDERED FOR KTR	9B TAHO 001536816		NA	4	N	50435160	4/DR	

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ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	GENERIC MATL TYPE	LVL	QA	HAZ MAT	DOC NO.	QTY REQD/ UNIT	QTY USED/ UNIT
103			M	MORTAR,REFRACTORY, MORTAR, DRY, MIL-M-15842 CLASS-1, 55LB/BG, ORIG:C234 M. HOSODA, 243-4572 ORDEREDF FOR KTR	9B 9350 001536811		NA	4	Y	50455572	2/BG	