TASK GROUP INSTRUCTION
AIM REV 20.11.4.0 (OCTOBER 2020)

TGI NO.:	COMPONENT NAME:	TYPE:	PHASE:	REPEAT:	CHANGE:
	1A BLR FDB	AY	A	0	0

SHIP/HULL NO.:	SHIP/HULL NAME:	SYSTEM:	PROJ/WO NO:	CASREP CAT:
LCC-19	USS BLUE RIDGE		19P	

CU PHASE TITLE:
*(N12-01) F/O - CLEAN AND INSPECT EACH 1A BOILER FORCED DRAFT BLOWER

PREPARING ACTIVITY:

	CODE	PHONE	DATE
PREPARED BY: KOUKI NAKAMURA	232.	315-243-0090	21-FEB-2025
APPROVED BY: HIDEMI SENDA	232.	315-243-5615	21-FEB-2025
CONCURRED BY:			
CONCURRED BY:			
CONCURRED BY:			
CONCURRED BY:			

REASON FOR WORK/NEED FOR CHANGE:

CHANGE INSTRUCTIONS:

SPECIAL REQUIREMENTS:

WORK CERTIFICATION SIGNATURES

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

ACCEPTANCE OF COMPLETED WORK

PHYSICAL INSPECTION REQUIRED: ☐YES ☒NO	PHYSICAL INSPECTION COMPLETED:	BADGE NO.:	SHOP/CODE:	PHONE:	DATE:
RECORDS REVIEW:		BADGE NO.:	SHOP/CODE:	PHONE:	DATE:

FOUO: Public availability to be determined under 5 USC 552

3819P22114A13

LIST OF EFFECTIVE PAGES									
SHT NO.	CHG NO.	SHT NO.	CHG NO.	SHT NO.	CHG NO.	SHT NO.	CHG NO.	SHT NO.	CHG NO.
1-5									
J-1									
M1-2									

1. **SCOPE/PURPOSE:**

1.1 Title: Each 1A Boiler Forced Draft Blower (FDB); clean and inspect

1.2 Location of Work:

1.2.1 Uptake Space (5-76-0-Q)

1.2.2 Blower Room (5-79-0-E)

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

1.3 Identification:

1.3.1 Quantity (One EA), 1A Boiler 1A1 FDB
Mfr: New Philadelphia Fan Co
Mfr Id: 980A838
APL: 400060761

1.3.1.1 Quantity (One EA), Housing and Base Assembly
PC No: One of 2.4

1.3.1.2 Quantity (One EA), Variable Inlet Vane (VIV) and Linkage Assembly
PC No: 34 of 2.4
Remarks: See 2.5 and Figure 1-6-2 of 2.6 for details

1.3.2 Quantity (One EA), Housing for 1A1 FDB
Remarks: See DET 9-C of 2.3 and 2.8 for details

1.3.3 Quantity (One EA), Inlet Screen for 1A1 FDB
Remarks: See DET 9-A of 2.3 and 2.8 for details

1.3.4 Quantity (One EA), 1A Boiler 1A2 FDB
Mfr: New Philadelphia Fan Co
Mfr Id: 980A838
APL: 400060761

1.3.4.1 Quantity (One EA), Housing and Base Assembly
PC No: One of 2.4

1.3.4.2 Quantity (One EA), Variable Inlet Vane (VIV) and Linkage Assembly
PC No: 34 of 2.4
Remarks: See 2.5 and Figure 1-6-2 of 2.6 for details

1.3.5 Quantity (One EA), Housing for 1A2 FDB
Remarks: See DET 9-C of 2.3 and 2.8 for details

1.3.6 Quantity (One EA), Inlet Screen for 1A2 FDB
Remarks: See DET 9-A of 2.3 and 2.8 for details

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. REFERENCES:

REF. NO.	DOCUMENT/ DRAWING NUMBER	DOCUMENT/DRAWING TITLE	REV	CHG NO.	COPY REQ'D (Y/N)	SOURCE DOC (Y/N)	PARA	SEC	PG	CHP
1	NSI FY-25	NAVSEA Standard Items	-	ORG	N					
2	LI FY-25	Local Standard Items	-	ORG	N					
3	DWG 204-2492046	F.D Blower Ducts - DETS	C		Y				9	
4	DWG 9W-64485	CENTRIFUGAL FAN SIZE 980-A838 OUTLINE & ASSEMBLY MAIN FORCED DRAFT BLOWER	G		Y				ALL	
5	DWG 9W-64486	VARIABLE INLET VANE & LINKAGE ARR FOR CENTRIFUGAL FAN SIZE 980-A838	F		Y				ALL	
6	TM S9221-E7-OMI-010	Main Forced Draft Blower	-		Y				SEE NOTE	
7	DWG 204-2492045	Forced Draft System - DIAG	E		Y				ALL	
8	DWG 205-2492051	Uptakes, Upper, Lower, DK CONNS, FDB DISCH Ducts, Trash Burner Uptake - ARR	C		Y				2,4	
9	TM SYSTEMS & SPECIFICATIONS	SSPC Painting Manual Volume 2	-		N					

3. APPENDICES:

3.1 Appendix "J" TGI Job Summary Information Sheet
3.2 Appendix "M" TGI Material List
3.3 Appendix "D" Deficiency Form

4. GENERAL REQUIREMENTS:

4.1 Not Applicable.

5. PROCEDURE:

5.1 Accomplish a visual inspection of each housing and base assembly listed in 1.3.1.1 and 1.3.4.1, each VIV assembly listed in 1.3.1.2 and 1.3.4.2, and each inlet screen listed in 1.3.3 and 1.3.6, using 2.3 through 2.5 and Paragraph 1-4-4 of 2.6.

(V) "VISUAL INSPECTION"

5.1.1 Remove and install each access door of each housing and base assembly listed in 1.3.1.1 and 1.3.4.1, each housing listed in 1.3.2 and 1.3.5, and each inlet screen listed in 1.3.3 and 1.3.6, using 2.3, 2.4, 2.7 and 2.8 for guidance.

5.1.1.1 Restore each mating surface exposed by removal. Repair by removing each high spot, burr, abrasion, and foreign matter, where removal can be accomplished by hand tool.

5.1.1.2 Remove existing and install new each fastener and gasket for each access door of each housing and base assembly. Self-locking nuts must conform to MS17829, non-corrosion resistant steel. Gaskets must conform to MIL-DTL-24696, Type I or equal.

5.1.1.3 Remove existing and install new each fastener and gasket for each housing. Screws must conform to MIL-DTL-1222, Type I, Grade 5, Carbon Steel. Gaskets must conform to HH-P-31, Type I, Class One or equal.

5.1.2 Clean each exposed part free of foreign matter, leaving no residue or injurious effects.

5.1.3 Adjust each VIV assembly, using Paragraph 1-4-4 of 2.6 for guidance.

5.1.4 Submit one legible copy, in hard copy or approved transferrable media, of a report listing results of the requirements of 5.1 to the SUPERVISOR.

5.2 Accomplish the requirements of 009-32 of 2.1, including Table 5, Line(s) 18, for each equipment listed in 1.3.3 and 1.3.6.

5.2.1 Brush-off blast clean for each equipment. Accomplish each requirement of Surface Preparation Specification SSPC-SP 7 of 2.9.

5.3 Accomplish the requirements of 009-32 of 2.1 for each new and disturbed surface.

5.4 Notes:

5.4.1 Planner: Code 232 K. Nakamura, 070-7787-1977
Planner: Code 231B N. Kurokawa, 243-0108
Engineer: Code 250 Y. Gouriki, 243-4179

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

5.4.3 This TGI is response to Boiler Inspection and Repair Management Information System (BIRMIS) for 1A Boiler report dated 17 OCT 2024, Line item N12-01.

5.4.4 WPC will copy the following pages in reference.

REF. 2.6: Pages 1-14, 1-15 and 1-25.

5.4.5 JCN EM02-L194 is related to this TGI.

5.5 SRF-JRMC will provide GFM listed in Appendix “M”.

5.6 SRF-JRMC will provide the following service work: (TGI No. 3819P22114S12)

5.6.1 [C740] Crane and crane rigging service.

5.6.2 [X99E] Utility service, electrical.

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

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

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

5.6.6 [C133] QA inspection for (G) Symbol(s).

APPENDIX "J"
TGI JOB SUMMARY INFORMATION SHEET

SYSTEM:	PLANT NO.:	COMPONENT NAME:	TYPE:	PHASE:	REPEAT:	CU PH VERSION:	CASREP CAT:
		1A BLR FDB	AY	A	0	1	

CU PHASE TITLE:
***(N12-01) F/O - CLEAN AND INSPECT EACH 1A BOILER FORCED DRAFT BLOWER**

PRIMARY COMPONENT:

COMPONENT UNIT LIST (FOR ASSEMBLIES):
#1A2 FDB FA #1A1 FDB FA

ATTACHMENT LIST:

ZONE MANAGER:	ZONE:	COMPARTMENT:	LEVEL:	FRAME:	SIDE:
SUGANO ,CHIHARU					

JO:	KO:	TOTAL MAN HRS:	TOTAL MAT'L COST	TOTAL DURATION:	PLANNING ACCEPTANCE:
3819P22114	A13				

CU PHASE DESCRIPTION:
The purpose of this TGI is to clean and inspect Each 1A Boiler Forced Draft Blower (FDB).

Location of Work:
Uptake Space (5-76-0-Q)
Blower Room (5-79-0-E)
Fire Room (8-76-0-E)

TASK NAME	SHOP	TSD/WC	TS	CREW#	MHRS	HIGH RAD HOURS	RC GRID#
5.1 OMCH HRs, RGRS HRs	22	KE	PC				
5.2 PNTR HRs, QA H	22	KE	PC				
5.3 PNTR HRs, QA H	22	KE	PC				
Machinery Work CFM for Asbestos Abatement and Misc (plastic sheets/bags and other consumable).	22	MQ	CS				
Preservation Work CFM for all paints, thinners, grits, disposal cost, sampler/analyze lead, and MISC such as other consumable.	22	MQ	CS				
Process Funding Document.	10	CT	OM				
Version-01: Admin Change. Code 232 T. Kinoshita, 02/21/2025, -/-/N		V-01					

TGI NO.:	1A BLR FDB	AY	A	0
SHIP:	LCC-19	CHG/VER:		0/1

APPENDIX "M"
TGI MATERIAL LIST

SYSTEM:	PLANT NO.:	COMPONENT NAME:	TYPE:	PHASE:	REPEAT:	CU PH VERSION:	CASREP CAT:
		1A BLR FDB	AY	A	0	1	

CU PHASE TITLE:
***(N12-01) F/O - CLEAN AND INSPECT EACH 1A BOILER FORCED DRAFT BLOWER**

MATERIAL REFERENCES			
REF NO.	DOCUMENT/DRAWING NUMBER	DOCUMENT/DRAWING TITLE	REV

JOB ORDER:	KEY OP:
3819P22114	A13

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
001			M	GASKET, ORIG: C232 K. NAKAMURA, 070-7787-1977 ORDERED FOR KTR 1/8" THK, MIL-DTL-24696 TY I FOR ACCESS DOOR	9B 5330 014197727		NA	4	N	50495045	1/EA	
002			M	NUT,SELF, ORIG: C232 K. NAKAMURA, 070-7787-1977 ORDERED FOR KTR 3/8"-16UNC-3B, MS17829-6C FOR ACCESS DOOR	9B 5310 004838790		NA	4	N	50495078	32/EA	
003			M	GASKET, FIBROUS GLAS, ORIG: C232 K. NAKAMURA, 070-7787-1977 ORDERED FOR KTR FOR HOUSING GASKET, FIBROUS GLASS, WIRE-REINFORCED PLAIN, CLOTH, SPEC: HH-P-31, TYPE I, CLASS 1, SIZE: 60" X 60" X 1/16"THICKNESS, REMARKS: NON ASBESTOS REQUIRED			NA	4	N		2/SH	

NOTES:

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
004			M	GASKET, FIBROUS GLAS, ORIG: C232 K. NAKAMURA, 070-7787-1977 ORDERED FOR KTR FOR HOUSING GASKET, FIBROUS GLASS, WIRE-REINFORCED PLAIN, CLOTH, SPEC: HH-P-31, TYPE I, CLASS 1, SIZE: 60" X 60" X 1/8"THICKNESS, REMARKS: NON ASBESTOS REQUIRED	LL9003533		NA	4	N		2/SH	
005			M	SCREW, HEX CAP, ORIG: C232 K. NAKAMURA, 070-7787-1977 ORDERED FOR KTR FOR HOUSING SCREW, HEX CAP, SIZE: 1/2"-13UNC-2A X 1-1/2"LG, MATL: STEEL GR-5, MIL-DTL-1222 TYPE 1, GRADE 5, ZINC COATING	LL9300703		NA	4	N		180/EA	

FOUO

☐ NUCLEAR

APPENDIX "D"
DEFICIENCY FORM

☐ NON-NUCLEAR

1. SHIP/HULL NO.:	2a. DL or DR No. (Circle One)	2b. REVISION:	3a. COMPONENT NAME:	3b. TYPE:	3c. PHASE:	3d. REPEAT:
LCC-19			1A BLR FDB	AY	A	0

4a. ICN:	4b. KEY OP:	5. LOC SPACE/LVL: FRAME: P/S/C:	6. CAUSED BY:
3819P22114	A13		

7. DESCRIPTION:

8. ORIGINATOR:	NAME:	BADGE:	SHOP/CODE:	DATE:	PHONE NO.:

9. CORRECTIVE ACTION:

10. EVALUATOR:	NAME:	BADGE:	SHOP/CODE:	DATE:	PHONE NO.:

FOR NON-NUCLEAR USE ONLY

11. RFD/RFW REQ'D ☐ LAR REQ'D ☐ ILS MOD REQ'D ☐	SRD/PLAN REV REQ'D ☐ DWG NO.: _____ S/A NO.: _____

12. ISOLATION SATISFACTORY:	SIGN:	BADGE:	SHOP/CODE:	DATE:	PHONE NO.:
13. SUBSAFE OQE RECORD? YES ☐ NO ☐	SIGN:	BADGE:	SHOP/CODE:	DATE:	PHONE NO.
14. CORRECTIVE ACTION COMPLETE:	SIGN:	BADGE:	SHOP/CODE:	DATE:	PHONE NO.
15. INSPECTION REQ'D? :YES ☐ NO ☐	INSPECTION COMPLETE/SIGN:	BADGE:	SHOP/CODE:	DATE:	PHONE NO.
16. RECORDS REVIEW COMPLETE (DR ONLY)	SIGN:	BADGE:	SHOP/CODE:	DATE:	PHONE NO.

DL's ISSUED (DR ONLY)								

☐ NUCLEAR **Deficiency Form Continuation Sheet** ☐ NON-NUCLEAR

1. SHIP/HULL NO.:	2a. DL or DR No. (Circle One)	2b. REVISION:	3a. COMPONENT NAME:	3b. TYPE:	3c. PHASE:	3d. REPEAT:
LCC-19			1A BLR FDB	AY	A	0