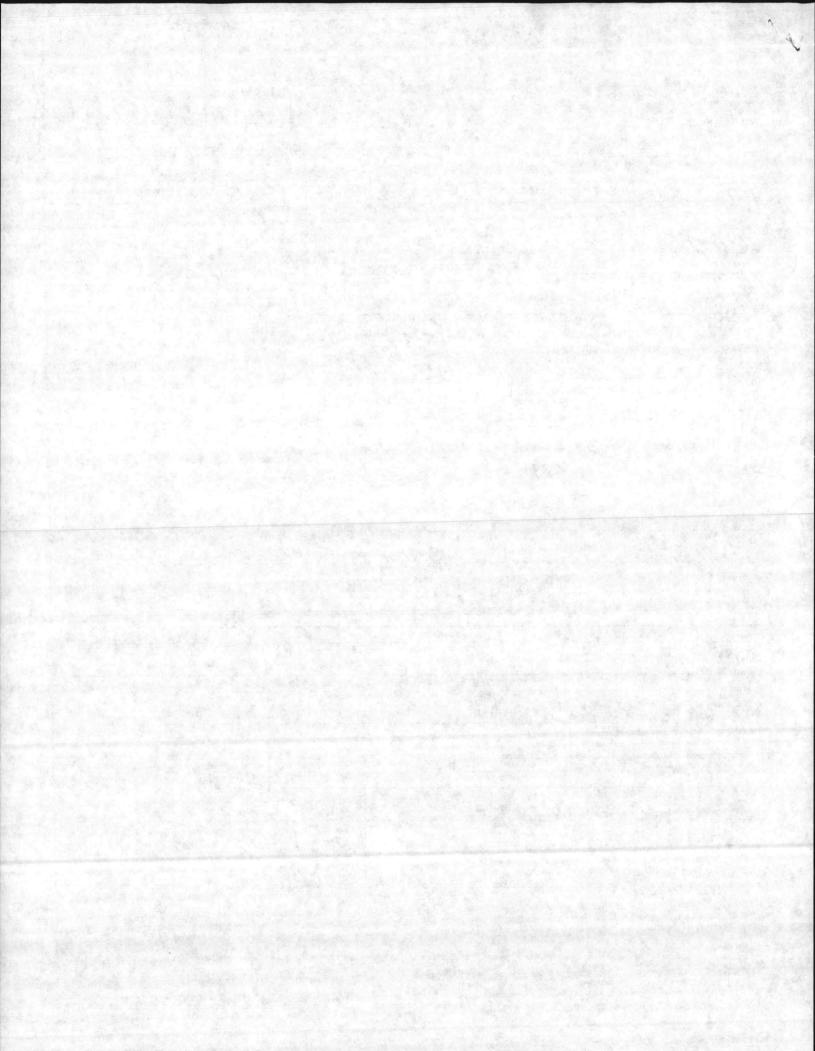
	T-BOILERS		DATE OF INSPECTION
upersedes NAVDOCK /N 0105-LF-004-000		TYPE OF INSPECTION	3 July 1979
		A INTERNAL &	
1. FROM	t wat is the table table to be	A STREET	14.
2. 10		CAMP LEJEUNE / WORFOLK VA	N.C. 14 DEC 1999 YES NO
puntune	BOILER DA		NAVY OR NATIONAL BOARD NO
MANUFACTURER	BUILER DA	14	- NAUFAL 225
Pilev .	TAVED		16. REASON FOR NOT ISSUING CERTIFICATE
PROPERTY NO.	S. MFG. SERIAL NO.	6. MFG. MODEL NO.	
1	1944	P-25-25-6J-	W.
BUILDING NO.	6. YEAR BUILT	9. CAPACITY	10
FUEL (Check)	1942 11. PRESSUR	E 100,000 #/H.	<u>K</u>
17.31	DESIGNED	OPERATING TEST	
FEED WATER TREAT	ML GAS 193	psi 150 psi 290	psi psi
SATISFACTORY		WATER FIRE	
Mentionation		TUBE TUBE	C. I
	CO2% EX	CESS O2 AFTER BOILER	F : AFTER HEAT TRAP•F
	CO2 CA	SAFETY DEVICES	
	Stell La La	SAFETY VALVES	
ONSOLIDA	+-1	22. NUMBER A 9-7"	
ONSOITAN	ICAL	STEAM PRESSURE GAUGI	
MANUFACTURER	North Street	26. CORRECTIO	DNS
REASON IF NOT TE	ET	WATER LEG	CONSTANTpsi; OTH ERpsi
		FIRING EQUIPMENT	
ITEM	IN SE	RVICE	ALTERNATE
MANUFACTURER	FABER oil	BURNER	Riley STOKER
in the second			
TYPE	OUN & NOZZIA	- STEAM AEM 1	Atrita #4 HAMMER & PEC-
FUEL GRADE	#6	1	DAL
INSPECTOR'S COMME	NTS		
ATTACHMENT(S) (Ch	r=b)	33. SIGNATURE	



5ND LANTDIV 9-4730/6 (Rev. 8/68) Boiler Inspection - Addendum to NAVFAC 9-11014/41

DATE: 11 July 1979

ACTIVITY: Marine Corps Base, Camp Lejeune, North Carolina

BUILDING NO: 1700 BOILER NO:

Based on the existing condition and present rate of deterioration, it is estimated that the boiler has a remaining life of

X/ 5 or more years

/ () years

The following corrective action is recommended:

1. Front wall refractory is shifting and pushing front wall burner eye tubes into flame pattern. Temporary repairs have been made to pull tubes back into place and refractory patched around burner eye and tube anchors.

2. Burner eye and boiler front wall refractory has been noted in prior

inspection reports.

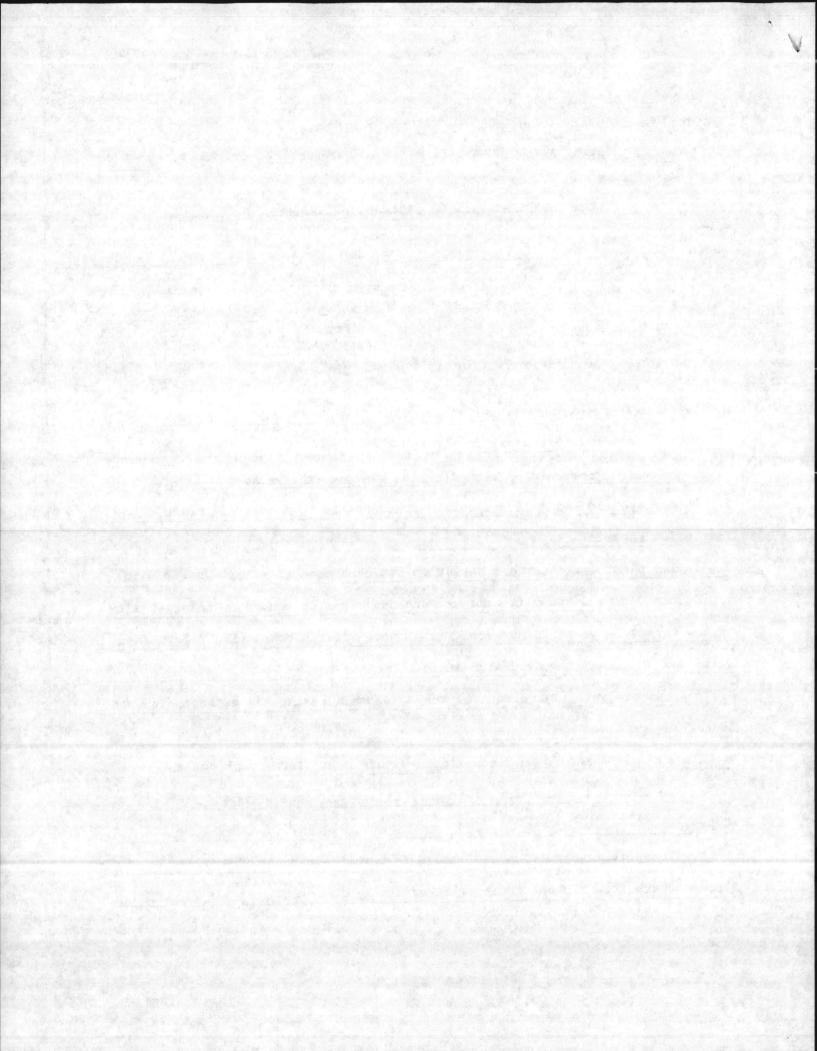
3. Boiler plant operators are having to cut back on boiler load due to flame impingement on wall tubes in back of furnace. This is caused by deterioration of the throat flare of the burner eyes as noted in enclosure (1), Report from Utilities on burner throat measurements.

4. Approximately thirty percent of the outer skin casing has deteriorated and leaks flue gases.

5. These repairs should be accomplished within next fiscal year due to:

a. An improved combustion efficiency (flame distortion from burner eye shape).

b. The potential problem and damage to burner eye tubes of moving into flame pattern from further front wall refractory movement.



OPNAV 5216/144 (REV. 6-70) 5/N-0107-778-8099 DEPARTMENT OF THE NAVY

Memorandum

MAIN/CLW/rn 11370 DATE: 19 Jul 1979

FROM: General Foreman, Steam Generation

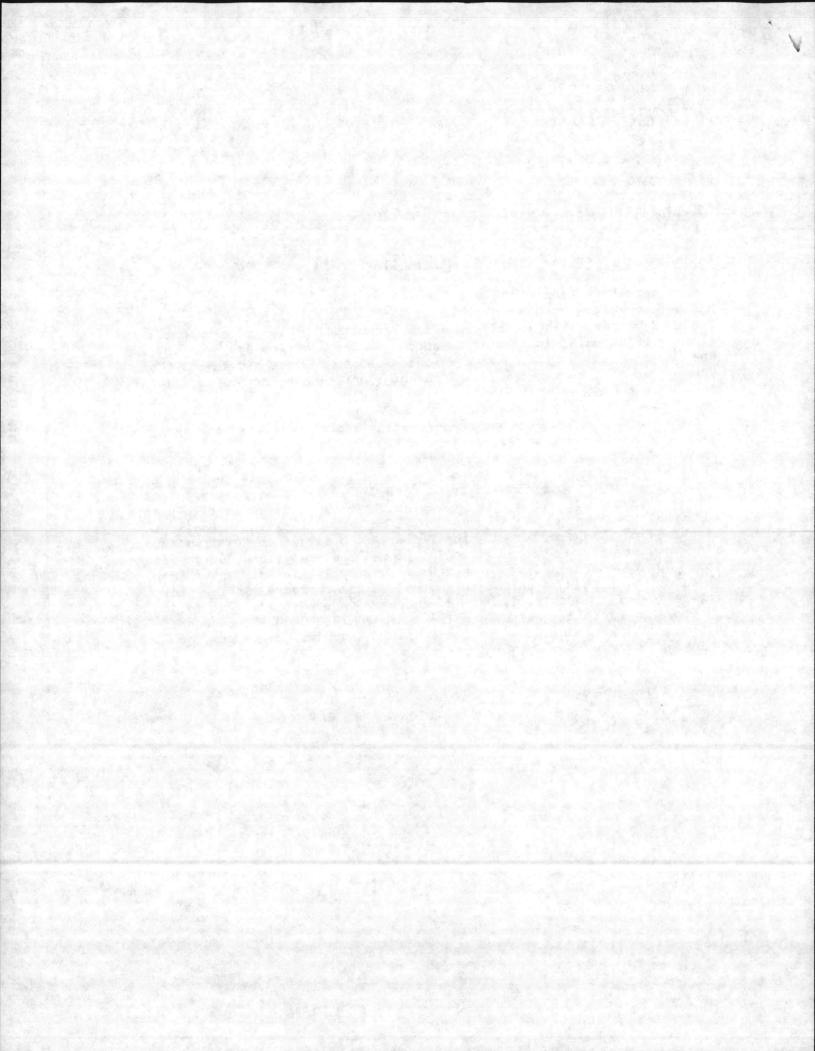
TO: Director, Utilities Division

SUBJ: Replacement of Throat Tile in Boilers, Bldg 1700

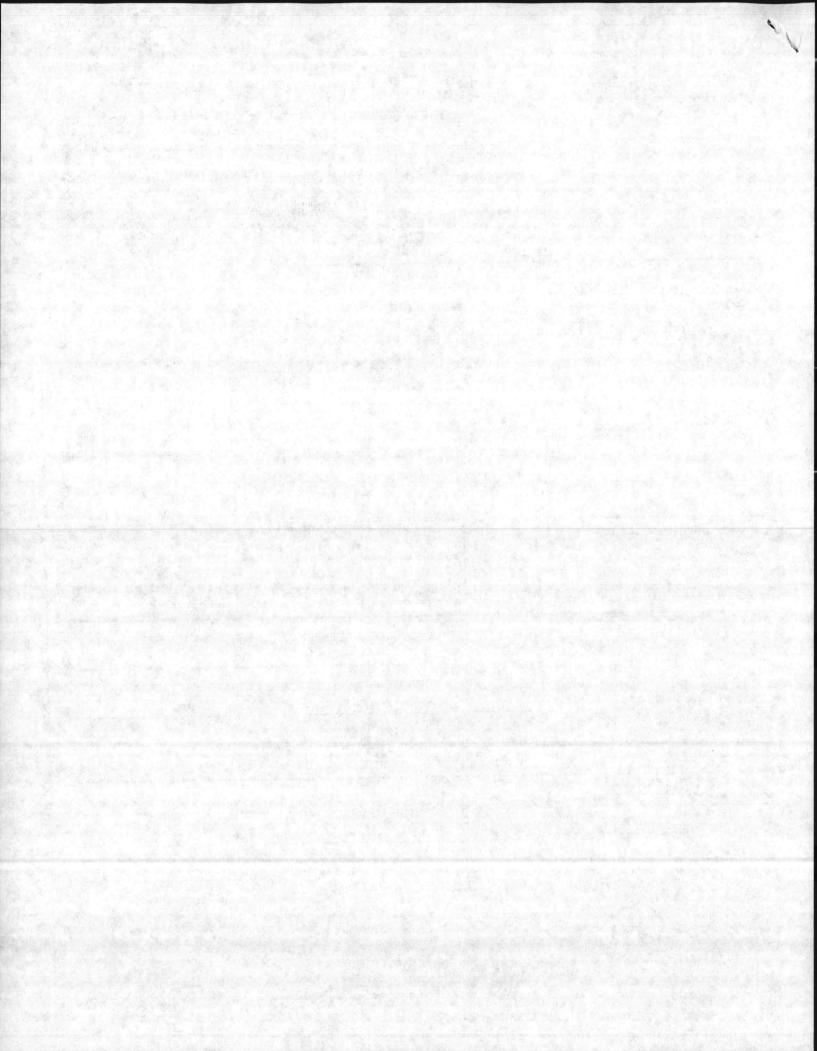
1. Boilers have been giving trouble for the last two or three years. There has been problems with heavy carbon build up around throat and down the front of boiler. We have also had trouble with impengement of tubes and flame hitting walls in back of furnace. Boiler air flow has been checked and new guns and nozzles have been installed to correct situation. Guns (new) have also been moved in and out of blast tube to try to get rid of impengement problem, but nothing seems to help. We have suspected for quite some time that this situation was due to the shape of the throat. After careful observation and measurements, I feel sure that the throat tile is what is causing all, or most of our trouble.

2. Measurements were taken in Boiler No. 3, which indicate that the throat needs replacing. According to Print #4AB-3349-1 by Riley Stoker Corporation, throat measurements are 6" from throat ring to where flare in tile starts, 18" from throat ring should be 48" in diameter which is the overall drop of the tile. The measurements for Boiler No. 3 are: 8 to 10" from throat ring to where flare starts, 24 to 28" from throat ring, and 45" in diameter. Due to cracks and patching, there is very little uniformity in throats. With this situation as is, and if not corrected in the near future, we will most likely have to cut back on boiler load due to impengement. Presently on No. 2 Boiler, around 78,000-80,000 pounds of steam is all we can run due to flame hitting back walls; we are now

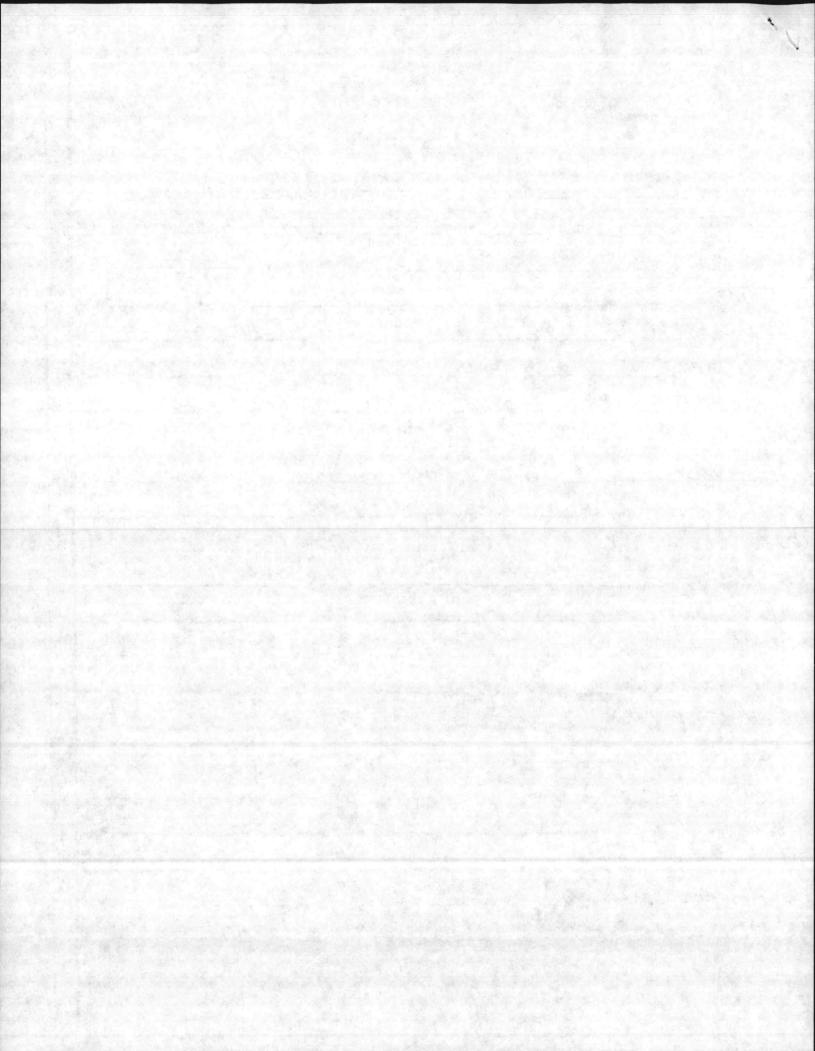
COLON L. WETHERINGTON



INSPECTION REPORT-BOILERS NAVFAC 9-11014/41 (3/67) Supersedes NAVDOCKS 2544			DATE OF INSPECTION
Supersedes NAVDOCKS 2544 S/N 0105-004-0000	ſ	TYPE OF INSPECTION	10-31-77
		INTERNAL &	B INTERNAL & EXTERNAL
I. FROM		EATERNAL	WITH PRESSURE TEST C TION
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MANUFACTURER BOILE	RDATA		HATT OR NATIONAL BOARD NO.
		And Alle	NAU FAC 101 16. REASON FOR NOT ISSUING CERTIFICATE
RILEY STOKE PROPERTY NO. 7 5. MFG. SERIAL NO.	R		NOT ISSUING CERTIFICATE
PROPERTY NO. 5. MFG. SERIAL NO.	6. MFG	MODEL NO.	
BUILDING NO. 8. YEAR BUILT	P25	25- WW.	
			A Contract of the second s
1700 1942 D. FUEL (Check) 11. PRE	100	000 #/HR	
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% CO ₂	EXCESS O2 AF	TER BOILER	F : AFTER HEAT TRAP
	SAFE	TY DEVICES	
MANUFACTURER	SAFE	TY VALVES	
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Consolidated	STEAM DE	3-3" 1-6	" 185-182-193
MANUFACTURER	STEAM PH	26. CORRECTIONS	
AShCROET REASON IF NOT TESTED		WATER LEG CONS	TANT 10/2 psi; OTHER psi
REASON IF NOT TESTED			
		EQUIPMENT	
ITEM	N SERVICE		ALTERNATE
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MANUFACTURER FABER DI	L Pilen	en Rile	
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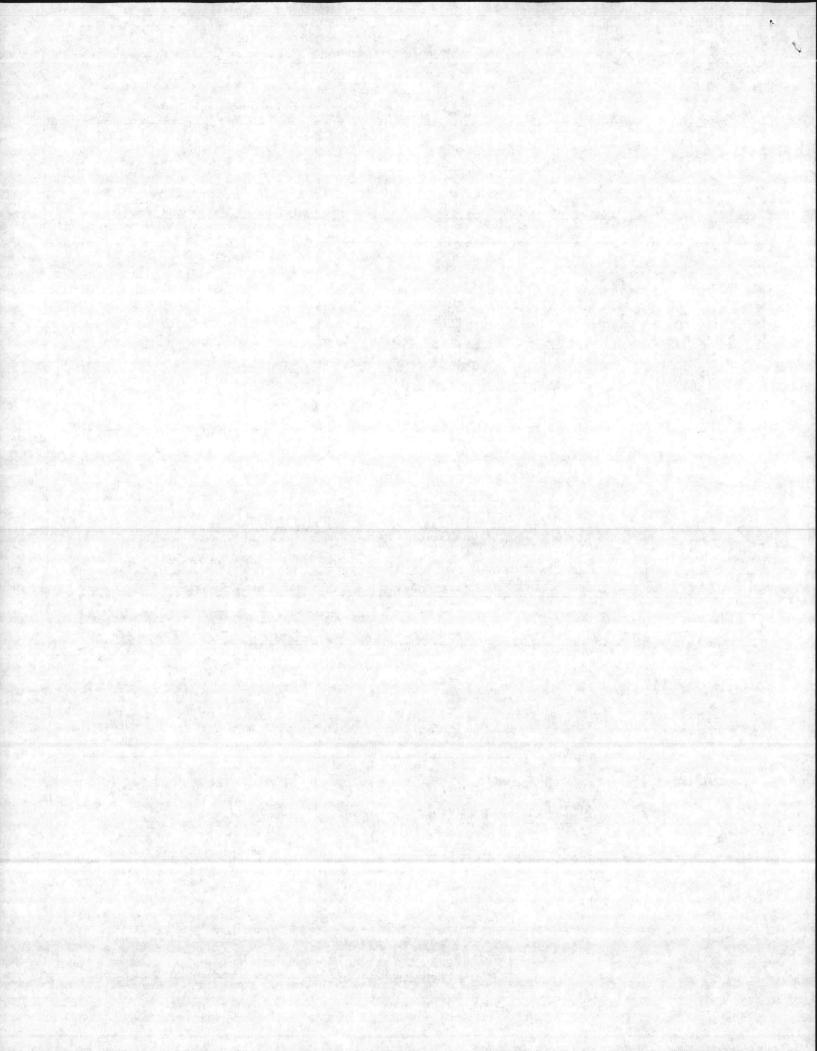


1977 LOCATION CAMP LETERNE BIDG NO. 1700 BoilER NO. BoilER NAME RIKEY STOKER CAP 100,000 LBS/HK BURNER NAME FIRING RATE____ SV NAME CONSolidated NO. 3 Size 4-4-6 STEAM GAGE NAME_____ PRESS____147 TEST 160 NO. 1 SET_____ OPEN_ 185___ CLOSE___185 NO. 2 SET_____ OPEN_ 187. CLOSE _____ 184 VO 3 SET_____OPEN_ 193___CLOSE_ 192 02 11.0 STACK TEMP 330 PURGETIME OK NO. 1 FIREYE C/O OK A/L VO. 2. FIREYE C/O OK AL Hi-PRESS GO OK A/1 OK EXCESS STEAM C/O_OK_____AL_OK Hi- oil TEMP C/O OK A/L OK Hi. oil PRESS C/D OK A/2 .1.1 10 oil TEMP 40 AL LO oil PRESS C/D O ATOM STERM GO NO. 2 LWCO management and and and the management of the LO FURNACE DRAFT SO MANDE A/L LO FIRE START SOM MAN PLANT



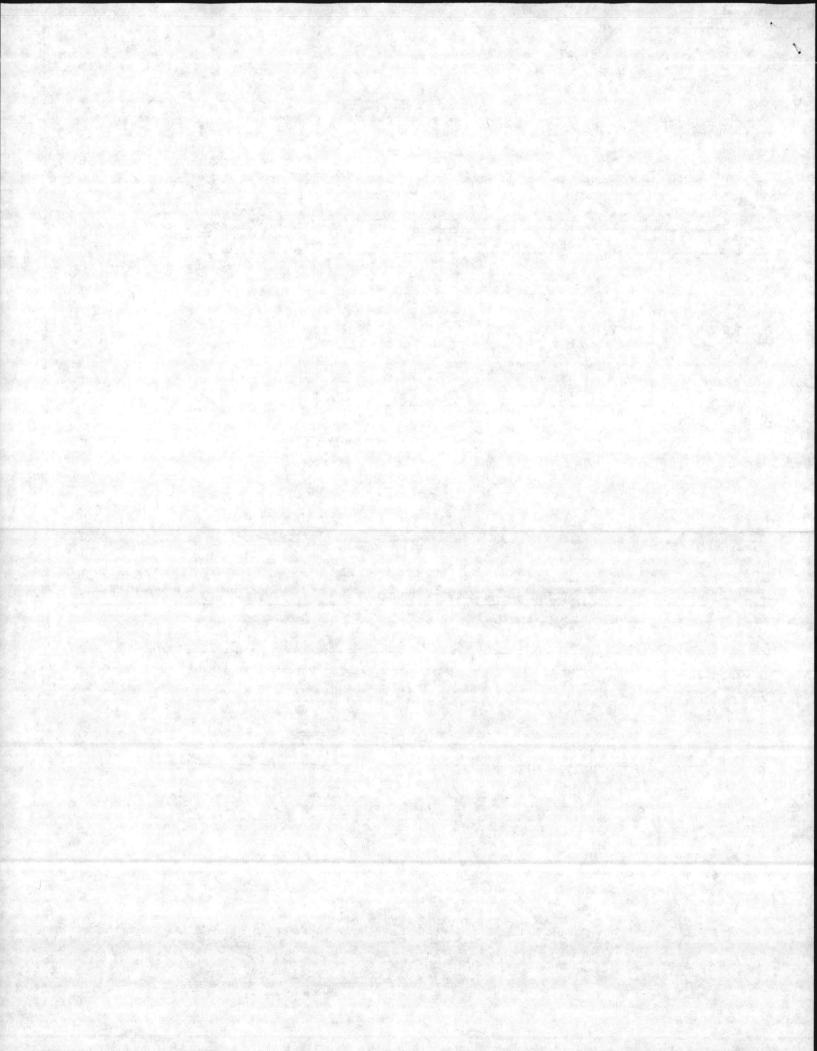
INSPECTION REPO	RT-BOILERS						DATE OF INSPECTION
Supersedes NAVDOCI S/N 0105-004-0000	KS 2544			TTYRE O	F INSPECTIO		13TO 15 FEB-73
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		BOILER DAT	A			1010	NAVE EN NATIONAL BOARD NO.
MANUFACTURER			Sine Sec				16. REASON FOR NOT ISSUING CERTIFICATE
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		DESIGNED		RATING	TEST		
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7. BOILER USE	<u>Co</u>			BA 20. FLU	E GAS TEMPE	TF.RATURE	IREYE
	% CO ₂	% EX	CESS O2	<u> </u>		103	•F : AFTER HEAT TRAPF
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ITEM		IN SE	ERVICE				ALTERNATE
8. MANUFACTURER	RILEZ	7 570	KET	<u>z</u>		FF	ABER OIL BURNER
9. TYPE	HAHME	ERT PL	EGS	Con	L mile	<u>s</u>	GUN
FUEL GRADE	COAL						#6 oil
I. INSPECTOR'S COM	MENTS				and the Second		
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TACHMENT(S) (Check)			33. SIGN	NATURE	OPTT	Myn. Il Mandel
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INSPECTION REPOR	T - BOILERS			1 - Jan -		DATE OF INSPECTION
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	and the second states in the second states and	ER DATA				NAVY OF NATIONAL BOARD NO.
3. MANUFACTURER		and an and they a			al Sh	16. REASON FOR NOT ISSUING CERTIFICATE
RILEY,	STOKER	CORF	>	Mrs. and		
4. PROPERTY NO.	5. MFG. SERIAL NO	O. 6. M		DEL NO.		
7. BUILDING NO.	8. YEAR BUILT	44 P.	APACIT	- 20 · C	υw	
1700	19	4.2 10 RESSURE	0, 0	100 m	HAR	
10. FUEL (Check)	11. PR		ATING	TEST	1.1.1.1.1.1.1	Construction of the Sector of the Sector Sector
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			14 60		ONTROL	(Mid Name)
17. BOILER USE			18. CO	MBUSTION C	ONTROL	(Mig. Name)
EXPERT 19. COMBUSTION			20. FL	UE GAS TEN	PERATU	REGE
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AsheeoF	:T	10000		WATER LE	G CONST	ANT psi; OTHER psi
27. REASON IF NOT 1	ESTED					
		FIF	INGE	QUIPMENT		
ITEM	•	IN SERVICE				ALTERNATE
28. MANUFACTURER	FABER	BURN	IEK	2	Ru	Ley STOKER
29. TYPE	GUN	fange -	he set h		HAM	MER & PEG
30. FUEL GRADE	77 /2				Co	
31. INSPECTOR'S CO	MMENTS					17
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Inc Low	WATER	CUTOUT	VAL	VEWA	SIN	STHLLED ON THIS BOILER
JZ. ATTACHMENT(S)	(Check) SPECTOR'S REPORT	SPECIAL	VIPG	TL O. RI	SSELL	March U. Russel
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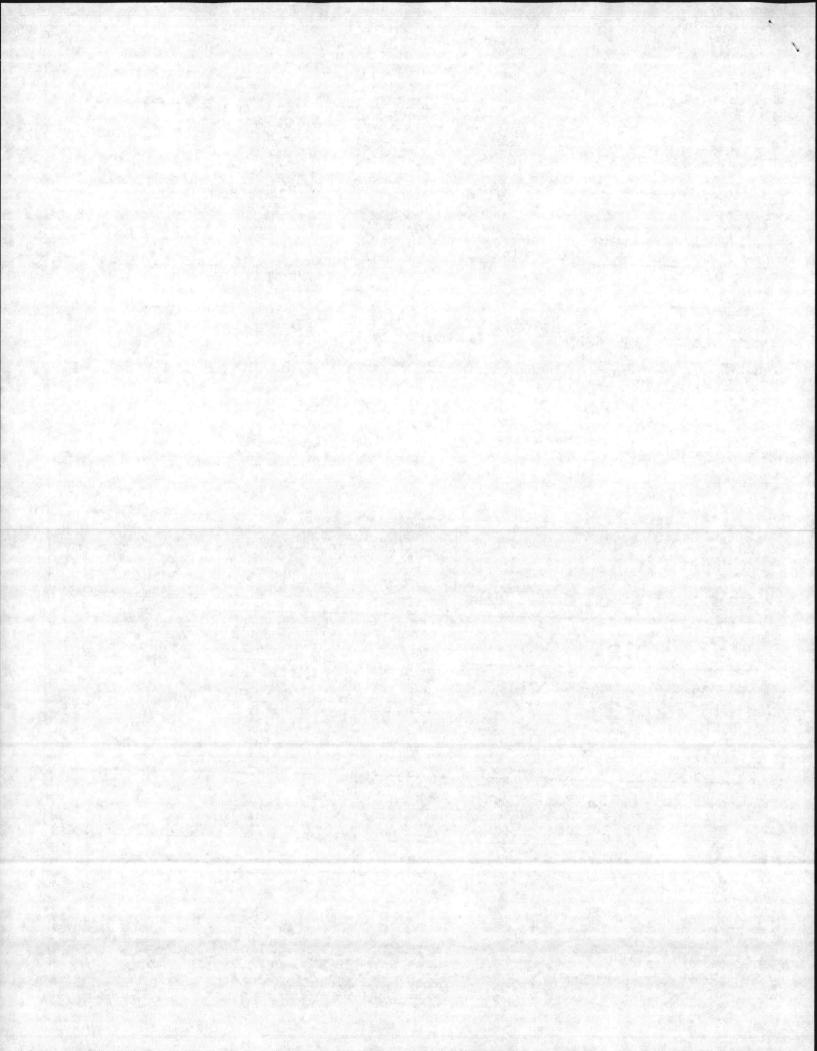
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SPECTION REPORT-B			DATE OF INSPECTION 3-14-7370 6-21-73
persedes NAVDOCKS 28 N 0105-004-0000	i44	TYPE OF INSPECTION	
		A NINTERNAL &	
I. FROM	ang		CERTIFICATE ISSUED YES NO
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n. G. MAR	CORB CAM	IP LEJEUNE N	C UTUMICAL BOARD NO.
MANUFACTURER	BOILER DATA	A	16. REASON FOR NOT ISSUING CERTIFICATE
2:1 - C	TAKED Ba	150	
PROPERTY NP.	5. MFG. SERIAL NO. 194	6. MFG. MODEL NO.	14)
BUILDING NO.	8. YEAR BUILT	9. CAPACITY	
1700 0. FUEL (Check)	11. PRESSURE	2. 100,000 +	T/HIL
	DESIGNED	OPERATING TEST	
COAL X OIL		psi 150 psi 30	
SATISFACTORY	UNSATISFACTORY	X WATER FIRE TUBE	C. I.
7. BOILER USE		18. COMBUSTION COL	NTROL (Mfg. Name) + IPAULEU
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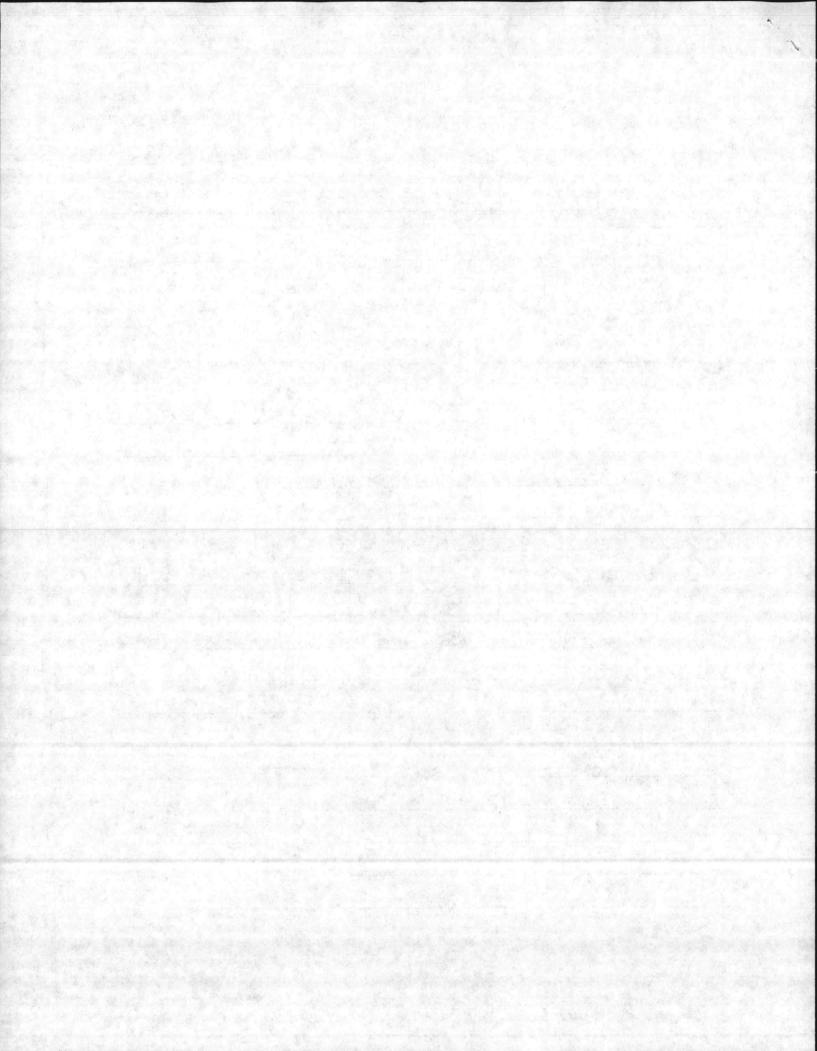
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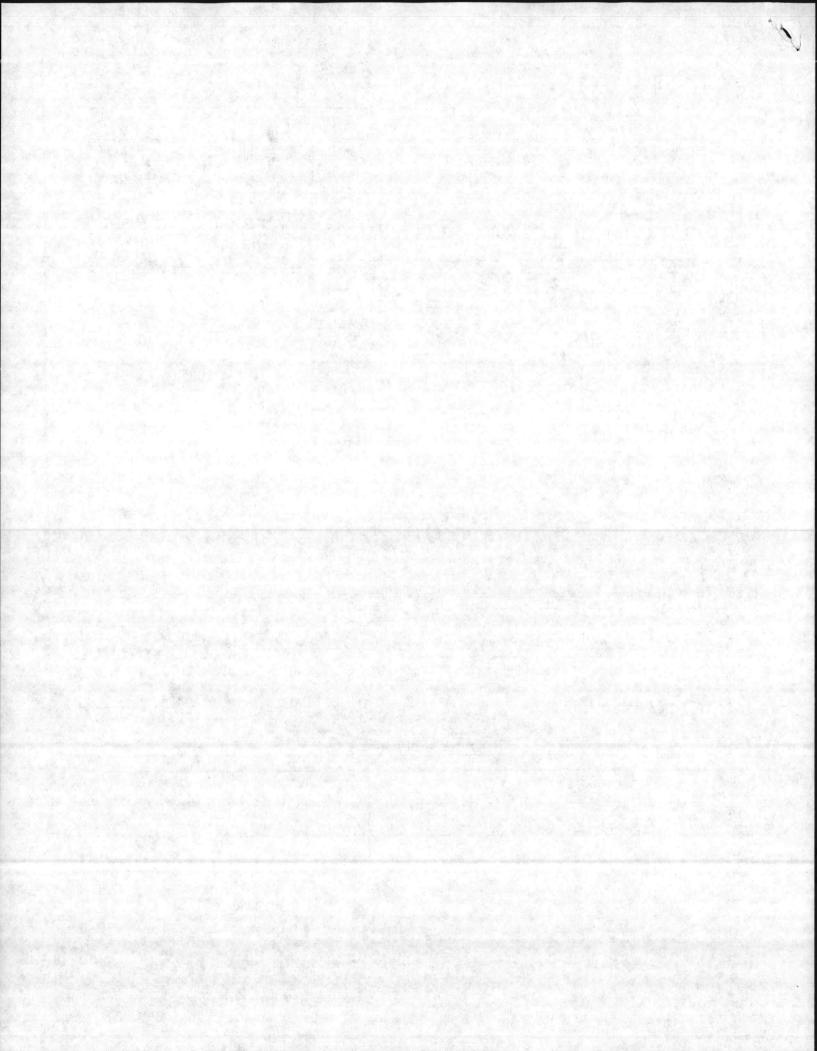
5ND LANTDIV 9-4730/6 (Rev. 8/68) . Boiler Inspection - Addendum to NAVFAC 9-11014/41

DATE: 7EB-73

ACTIVITY: CAMPLETEUNE NO BUILDING NO: 1700 BOILER NO. / Based on the existing condition and present rate of deterioration, it is estimated that the boiler has a remaining life of // 5 or more years // () years The following corrective action is recommended: This BOILER HAS BEEN CONVERTED TO ALC AUTO OPERATION, ALL CONTROLS HAS BEEN Check ANd FOUNd working ok RENEW ALL FEED WATER REGURLATONS ON ALL FOUR BOILEDS, ThiES REGURLATONS ARE 30 YEARS OLD, AND ARE VERY SLOW IN RESPONDING TO LOW AND High WATER LEVEL IN BOILENS



NAVFAR 9-11014/41 (1-80/LERS 3/67) S 2544		1		DATE OF INS	10-5	-71
Supersed is NAVDOCKS S/N 0105-004-0000		a service and services	TYPE OF INS			<u> </u>	
	D'-datan		EXT	ERNAL & B	INTERNAL & WITH PRESSU	DRE TEST	C YOPES
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3. MANUFACTURER	В	OILER DATA		Service 1	NAV FA	NOT ISSUING	22 CERTIFICATE
RIFU	STOK	FR C	mp	1 States	15. REASON 1 5		
4. PROPERTY NO.	5. MEG. SERIAL	10.11	B. MFG. MODEL NO	5-inal			
7. BUILDING NO.	8. YEAR BUILT	1944	2. CAPACITY	7/			
10. FUEL (Check)		1942 11 PRESSURE	00,000	THR.			
	Sale and the second second second	ESIGNED OF	PERATING TI	EST			
COAL X O	AENT GAS	93 psi /	SO psi	psi			1.126
SATISFACTORY		ACTORY WA	TER FIRE	. Пс. I.			/
17. BOILER USE			18. COMBUSTI	ON CONTROL (M	ig. Name)		
HEATING			A. LU. 20. FLUE GAS	CASh	& Bec	E MAN	
HEATING 9. COMBUSTION	CO2	% EXCESS C	A: LU. 20. FLUE GAS	CASH TEMPERATURE ER_430			
HEATING D. COMBUSTION 123 x		% EXCESS C	ATER BOIL SAFETY DEVIC SAFETY VALV	CASh TEMPERATURE ER_430 ES	→ BEC.	R HEAT TRAP.	
HEATING 9. COMBUSTION 12.3 %	CO2	% EXCESS C	AFTER BOIL SAFETY DEVIC SAFETY VALV 22. N	CASA TEMPERATURE ER_430 ES ES IUMBER AND SIZE	• BEC	R HEAT TRAP.	ONDITION
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HEATING 12-3 * 12-3 * CONSOLID	CO2		AFTER BOIL SAFETY DEVIC SAFETY VALV 22. N 3-2 AM PRESSURE 26. C	CASA TEMPERATURE ER 430 ES ES TUMBER AND SIZE		R HEAT TRAP.	ONDITION
HEATING 9. COMBUSTION 12.3 * 11. MANUFACTURER CONSOLID	co2		AFTER BOIL SAFETY DEVIC SAFETY VALV 22. N 3-2 AM PRESSURE 26. C	CASA TEMPERATURE ER_430 ES ES IUMBER AND SIZE L''-/-G GAUGE ORRECTIONS			and
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