

DATE OF INSPECTION
 31 July - 15 Oct. 1986

1. FROM **BASE MAINT. OFFICER
 CAMP LEJEUNE, N. C.**

2. TO **NAVFACENGCOM
 NORFOLK, VA.**

3. MANUFACTURER **BURNHAM**

4. PROPERTY NO. **26**

5. MFG. SERIAL NO. **16606**

6. MFG. MODEL NO. **4FW-154-SPL**

7. BUILDING NO. **TT-48**

8. YEAR BUILT **1986**

9. CAPACITY **936,000 BTU/HR.**

10. FUEL (Check)
 COAL OIL GAS

11. PRESSURE
 DESIGNED **30** psi OPERATING **15** psi TEST **45** psi

12. FEED WATER TREATMENT
 SATISFACTORY UNSATISFACTORY

13. TYPE
 WATER TUBE FIRE TUBE C. I.

14. CERTIFICATE ISSUED YES NO
 EXPIRES **31 July 1987**

15. BOILER INSPECTOR
Thomas L. Lanier
 NAVY OR NATIONAL BOARD NO.
NAVFAC 239

16. REASON FOR NOT ISSUING CERTIFICATE

17. BOILER USE **HEATING**

18. COMBUSTION CONTROL (Mfg. Name) **HONEYWELL**

19. COMBUSTION
14 % CO₂ **1.8** % EXCESS O₂

20. FLUE GAS TEMPERATURE
 AFTER BOILER **340** °F : AFTER HEAT TRAP _____ °F

21. MANUFACTURER **WATTS**

22. NUMBER AND SIZE **1-1 1/4"**

23. PSI SETTING **30**

24. CONDITION **SAT-**

25. MANUFACTURER **U.S. GAGE**

26. CORRECTIONS
 WATER LEG CONSTANT _____ psi; OTHER _____ psi

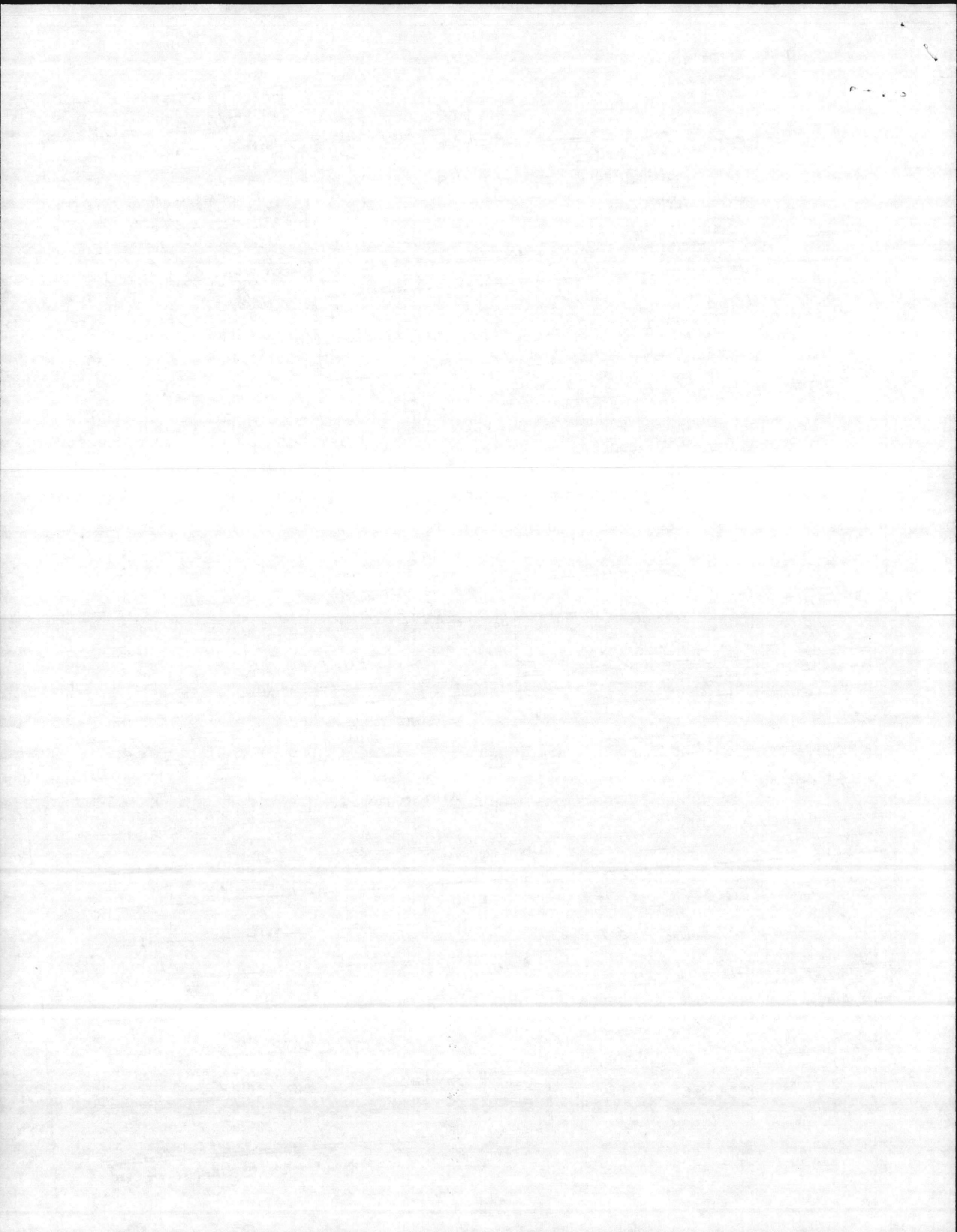
27. REASON IF NOT TESTED

ITEM	FIRING EQUIPMENT	
	IN SERVICE	ALTERNATE
28. MANUFACTURER	POWER FLAME	
29. TYPE	NOZZLE SPRAY	
30. FUEL GRADE	#2	

31. INSPECTOR'S COMMENTS
**NEW BOILER INSTALLED UNDER CONTRACT # 85-6375
 AND WILL RETAIN SAME PROPERTY NO AS OLD UNIT.**

32. ATTACHMENT(S) (Check)
 COPY OF INSPECTOR'S REPORT SPECIAL COMMENTS

33. SIGNATURE
WTO Hanger
 BY DIRECTION



MFGRS. SERIAL NO. 16606	MFGRS. MODEL NO. 4FW-154-SPL	MANUFACTURER BURNHAM	DATE OF SHEET 7 OCT 1986
TYPE OF SUPERHEATER N/A	FURNACE VOLUME _____ CU. FT.	OPERATION <input checked="" type="checkbox"/> AUTOMATIC <input type="checkbox"/> SEMI-AUTOMATIC <input type="checkbox"/> MANUAL	USE <input type="checkbox"/> EXPORT <input type="checkbox"/> ELEC. POWER GENERATION <input type="checkbox"/> LAID UP - WET <input type="checkbox"/> LAID UP - DRY HEATING
TEMPERATURE AT SUPERHEATER OUTLET N/A °F	HEATING SURFACE (SQ. FT.) 145	PRESSURE (psig) 30 DESIGN 15 MAWP 15 INSTALLED WP	DATE BUILT 1986
NORMAL FEEDWATER TEMPERATURE N/A °F	BOILER _____ WATER WALL _____ ECONOMIZER _____ SUPERHEATER _____	AIR HEATER <input checked="" type="checkbox"/> NONE <input type="checkbox"/> TUBULAR <input type="checkbox"/> REGENERATIVE <input type="checkbox"/> STEAM	DATE INSTALLED 1986
(See Reverse Side for Fittings)	DRUMS NO. _____ DIAMETER _____ IN. LENGTH _____ FT. _____ IN.	CAPACITY 28 HP _____ LB./HR _____ EDR 936 M BTU/HR.	BOILER TYPE C.I. _____ WATER TUBE _____ <input checked="" type="checkbox"/> FIRE TUBE
	<input type="checkbox"/> RIVETED <input type="checkbox"/> FORGE WELDED <input checked="" type="checkbox"/> FUSION WELDED		DRAFT <input type="checkbox"/> NATURAL <input checked="" type="checkbox"/> FORCED <input type="checkbox"/> INDUCED
			PRODUCES <input type="checkbox"/> STEAM <input checked="" type="checkbox"/> LOW TEMP. WATER <input type="checkbox"/> HIGH TEMP. WATER
			CIRCULATION <input type="checkbox"/> NATURAL <input checked="" type="checkbox"/> FORCED

	FUEL & FIRING EQUIPMENT IN SERVICE	ALTERNATE FUEL & FIRING EQUIPMENT
FUEL	COAL <input type="checkbox"/> ANTHRACITE <input type="checkbox"/> BITUMINOUS GAS <input type="checkbox"/> NATURAL <input type="checkbox"/> MANUFACTURED OIL <input checked="" type="checkbox"/> COMMERCIAL 1 (2), 4, 5, 6 <input type="checkbox"/> NAVY <input type="checkbox"/> OTHER _____	COAL <input type="checkbox"/> ANTHRACITE <input type="checkbox"/> BITUMINOUS GAS <input type="checkbox"/> NATURAL <input type="checkbox"/> MANUFACTURED OIL <input type="checkbox"/> COMMERCIAL 1, 2, 4, 5, 6 <input type="checkbox"/> NAVY SPECIAL <input type="checkbox"/> OTHER _____
FIRING EQUIPMENT	<input type="checkbox"/> COAL-HAND FIRED <input type="checkbox"/> COAL - STOKER <input type="checkbox"/> UNDERFEED - MULTIPLE RETORT <input type="checkbox"/> UNDERFEED - SINGLE RETORT <input type="checkbox"/> SPREADER - DUMP GRATE <input type="checkbox"/> SPREADER - VIBRATING GRATE <input type="checkbox"/> SPREADER - TRAVELING GRATE <input type="checkbox"/> CHAIN GRATE <input type="checkbox"/> GAS <input type="checkbox"/> GAS RING <input type="checkbox"/> VENTURI TYPE <input type="checkbox"/> COAL - PULVERIZER <input type="checkbox"/> ATTRITION <input type="checkbox"/> BALL & RACE <input type="checkbox"/> BOWL MILL <input type="checkbox"/> TUBULAR <input checked="" type="checkbox"/> OIL BURNERS <input checked="" type="checkbox"/> MECHANICAL <input type="checkbox"/> STEAM ATOMIZED <input type="checkbox"/> AIR ATOMIZED <input type="checkbox"/> ROTARY CUP	<input type="checkbox"/> COAL-HAND FIRED <input type="checkbox"/> COAL - STOKER <input type="checkbox"/> UNDERFEED - MULTIPLE RETORT <input type="checkbox"/> UNDERFEED - SINGLE RETORT <input type="checkbox"/> SPREADER - DUMP GRATE <input type="checkbox"/> SPREADER - VIBRATING GRATE <input type="checkbox"/> SPREADER - TRAVELING GRATE <input type="checkbox"/> CHAIN GRATE <input type="checkbox"/> GAS <input type="checkbox"/> GAS RING <input type="checkbox"/> VENTURI TYPE <input type="checkbox"/> COAL - PULVERIZER <input type="checkbox"/> ATTRITION <input type="checkbox"/> BALL & RACE <input type="checkbox"/> BOWL MILL <input type="checkbox"/> TUBULAR <input type="checkbox"/> OIL BURNERS <input type="checkbox"/> MECHANICAL <input type="checkbox"/> STEAM ATOMIZED <input type="checkbox"/> AIR ATOMIZED <input type="checkbox"/> ROTARY CUP
FIRING EQUIPMENT MANUFACTURER	POWER FLAME	

PROPERTY NO. 26	BUILDING OR LOCATION TT-48	ACTIVITY BOILER 26 MCBCL
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DATA RECORD SHEET - BOILERS
 NAVFAC 9-11014/40 (9-69) Supersedes NAVDOCKS 2509
 S/N 0105-003-7010

FITTING	NUMBER	SIZE	MANUFACTURER	TYPE	SETTING	RANGE	PRESSURE CLASS
SAFETY VALVES	1	1 1/4"	WATTS	PRESS RELIEF	30		
STEAM OUTLET VALVES	1	3"	NIBCO	GATE			125 SWP 200 WOG
BLOW-OFF VALVES	1	1 1/2"	MILWAUKEE	GATE			150 SWP
FEEDWATER VALVES	1	3/4"	MILWAUKEE	GATE			125 SWP
WATER COLUMN							
FEEDWATER REGULATOR	1	3/4"	TACO	PRESS REG.	15	10-25	100 PSI
WATER GAGES	1	3"	U S GAGE	ALTITUDE		0-50 PSI 60-260°F	
STEAM GAGES							
SOOT BLOWERS							
FUSIBLE PLUGS							

LWCO - McDONNELL MILLER # 63 B - MAWP 50 PSI

SV - WATTS, SET 30 PSI, SIZE 1 1/4". CAP 2,105,000 BTU/HR.

OIL BURNER - POWER FLAME, RANGE 2.5 - 9.5 GPH, #2 OIL

NAT'L BOARD # 16606

CONTROL - HONEYWELL # R 4140 L 1105

FITTING	NUMBER	SIZE	MANUFACTURER	TYPE	SETTING	RANGE	PRESSURE CLASS
SAFETY VALVES	1	1 1/4"	WATTS	PRESS RELIEF	30		
STEAM OUTLET VALVES	1	3"	NIBCO	GATE			125 SWP 200 WOG
BLOW-OFF VALVES	1	1 1/2"	MILWAUKEE	GATE			150 SWP
FEEDWATER VALVES	1	3/4"	MILWAUKEE	GATE			125 SWP
WATER COLUMN							
FEEDWATER REGULATOR	1	3/4"	TACO	PRESS REG.	15	10-25	100 PSI
WATER GAGES	1	3"	U.S. GAGE	ALTITUDE		0-50 PSI 60-260°F	
STEAM GAGES							
SOOT BLOWERS							
FUSIBLE PLUGS							

LWCO - McDONNELL MILLER # 63 B - MAWP 50 PSI

S/V - WATTS, SET 30 PSI, SIZE 1 1/4". CAP 2,105,000 BTU/HR.

OIL BURNER - POWER FLAME, RANGE 2.5 - 9.5 GPH, # 2 OIL

NAT'L BOARD # 16606

CONTROL - HONEYWELL # R 4140 L 1105

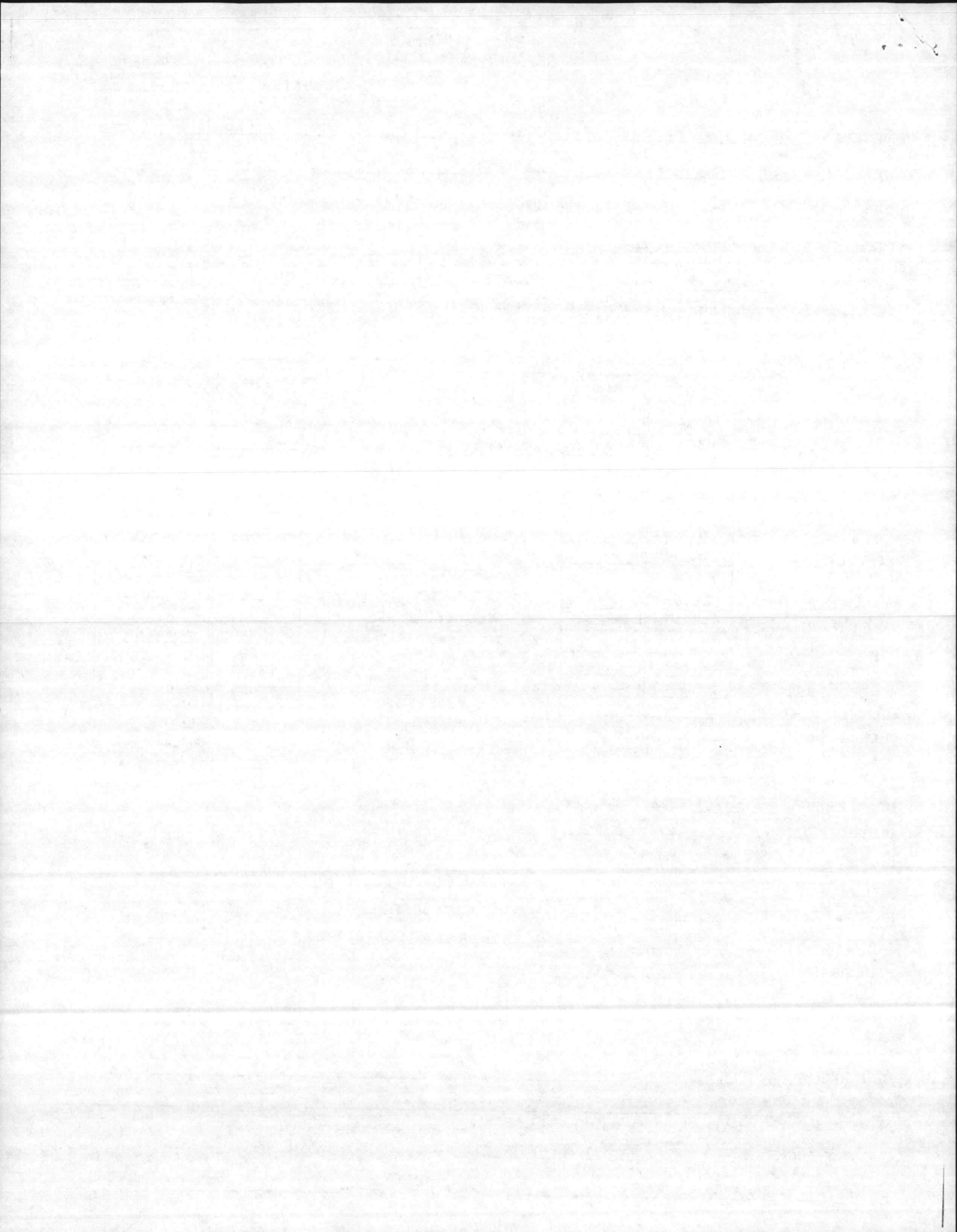
MFGRS. SERIAL NO. 16606	MFGRS. MODEL NO. 4FW-154-SPL	MANUFACTURER BURNHAM	DATE OF SHEET 7 OCT 1986
TYPE OF SUPERHEATER N/A	FURNACE VOLUME _____ CU. FT.	OPERATION <input checked="" type="checkbox"/> AUTOMATIC <input type="checkbox"/> SEMI-AUTOMATIC <input type="checkbox"/> MANUAL	DATE BUILT 1986
TEMPERATURE AT SUPERHEATER OUTLET N/A °F	HEATING SURFACE (SQ. FT.) 145	USE <input type="checkbox"/> EXPORT <input type="checkbox"/> ELEC. POWER GENERATION <input type="checkbox"/> LAID UP - WET <input type="checkbox"/> LAID UP - DRY HEATING	DATE INSTALLED 1986
NORMAL FEEDWATER TEMPERATURE N/A °F	BOILER _____ WATER WALL _____ ECONOMIZER _____ SUPERHEATER _____	PRESSURE (psig) 30 DESIGN 15 MAWP 15 INSTALLED WP	BOILER TYPE <input type="checkbox"/> C.I. <input checked="" type="checkbox"/> WATER TUBE <input checked="" type="checkbox"/> FIRE TUBE
(See Reverse Side for Fittings)	DRUMS NO. _____ DIAMETER _____ IN. LENGTH _____ FT. _____ IN. <input type="checkbox"/> RIVETED <input type="checkbox"/> FORGE WELDED <input checked="" type="checkbox"/> FUSION WELDED	AIR HEATER <input checked="" type="checkbox"/> NONE <input type="checkbox"/> TUBULAR <input type="checkbox"/> REGENERATIVE <input type="checkbox"/> STEAM	DRAFT <input checked="" type="checkbox"/> NATURAL <input type="checkbox"/> FORCED <input type="checkbox"/> INDUCED
		CAPACITY 28 HP _____ LB./HR _____ EDR 9.36 M BTU/HR.	PRODUCES <input type="checkbox"/> STEAM <input checked="" type="checkbox"/> LOW TEMP. WATER <input type="checkbox"/> HIGH TEMP. WATER

FUEL & FIRING EQUIPMENT IN SERVICE	ALTERNATE FUEL & FIRING EQUIPMENT
FUEL <input type="checkbox"/> ANTHRACITE <input type="checkbox"/> BITUMINOUS <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OIL <input checked="" type="checkbox"/> COMMERCIAL 1, 2, 4, 5, 6 <input type="checkbox"/> NAVY <input type="checkbox"/> OTHER _____	<input type="checkbox"/> ANTHRACITE <input type="checkbox"/> BITUMINOUS <input type="checkbox"/> GAS <input type="checkbox"/> OIL <input type="checkbox"/> COMMERCIAL 1, 2, 4, 5, 6 <input type="checkbox"/> NAVY SPECIAL <input type="checkbox"/> OTHER _____

FIRING EQUIPMENT	FIRING EQUIPMENT
<input type="checkbox"/> COAL - HAND FIRED <input type="checkbox"/> COAL - STOKER <input type="checkbox"/> UNDERFEED - MULTIPLE RETORT <input type="checkbox"/> UNDERFEED - SINGLE RETORT <input type="checkbox"/> SPREADER - DUMP GRATE <input type="checkbox"/> SPREADER - VIBRATING GRATE <input type="checkbox"/> SPREADER - TRAVELING GRATE <input type="checkbox"/> CHAIN GRATE <input type="checkbox"/> GAS <input type="checkbox"/> GAS RING <input type="checkbox"/> VENTURI TYPE	<input type="checkbox"/> COAL - PULVERIZER <input type="checkbox"/> ATTRITION <input type="checkbox"/> BALL & RACE <input type="checkbox"/> BOWL MILL <input type="checkbox"/> TUBULAR <input checked="" type="checkbox"/> OIL BURNERS <input checked="" type="checkbox"/> MECHANICAL <input type="checkbox"/> STEAM ATOMIZED <input type="checkbox"/> AIR ATOMIZED <input type="checkbox"/> ROTARY CUP

FIRING EQUIPMENT MANUFACTURER POWER FLAME	PROPERTY NO. 26	BUILDING OR LOCATION TT-48	ACTIVITY BOILER 26 MCBCL
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DATA RECORD SHEET - BOILERS
 NAVFAC 8-11014/40 (8-69) Supersedes NAVDOCKS 2509
 S/N 0105-003-7010



DATE OF INSPECTION
 2 JULY — 16 DEC 80

TYPE OF INSPECTION
 A INTERNAL & EXTERNAL B INTERNAL & EXTERNAL WITH PRESSURE TEST C OPERATIONAL

1. FROM
 BASE MAINT. OFFICER
 CAMP LEJEUNE, N. C.

2. TO
 NAVFACENCOM
 NORFOLK, VA

14. CERTIFICATE ISSUED YES NO
 EXPIRES 2 JULY 1991

15. BOILER INSPECTOR

James L. Sullivan
 NAVY OR NATIONAL BOARD NO.

BOILER DATA

3. MANUFACTURER
 NATIONAL RADIATOR CORP

4. PROPERTY NO. 26
 5. MFG. SERIAL NO. 47966
 6. MFG. MODEL NO. AC-4260

7. BUILDING NO. TT-48
 8. YEAR BUILT —
 9. CAPACITY 1,000,000 BTU/HR

10. FUEL (Check)
 COAL OIL GAS

11. PRESSURE
 DESIGNED 30 psi OPERATING 12 psi TEST 45 psi

12. FEED WATER TREATMENT
 SATISFACTORY UNSATISFACTORY

13. TYPE
 WATER TUBE FIRE TUBE C. I.

16. REASON FOR NOT ISSUING CERTIFICATE

17. BOILER USE
 HEATING

19. COMBUSTION
 11.0 % CO₂ _____ % EXCESS O₂

18. COMBUSTION CONTROL (Mfg. Name)
 HONEYWELL

20. FLUE GAS TEMPERATURE
 AFTER BOILER 350 °F ; AFTER HEAT TRAP _____ °F

SAFETY DEVICES
 SAFETY VALVES

21. MANUFACTURER
 McDONNELL MILLER

22. NUMBER AND SIZE
 1-3"

23. PSI SETTING
 30

24. CONDITION
 GOOD

STEAM PRESSURE GAUGE

25. MANUFACTURER
 ASME STD

26. CORRECTIONS
 WATER LEG CONSTANT _____ psi; OTHER _____ psi

27. REASON IF NOT TESTED

FIRING EQUIPMENT

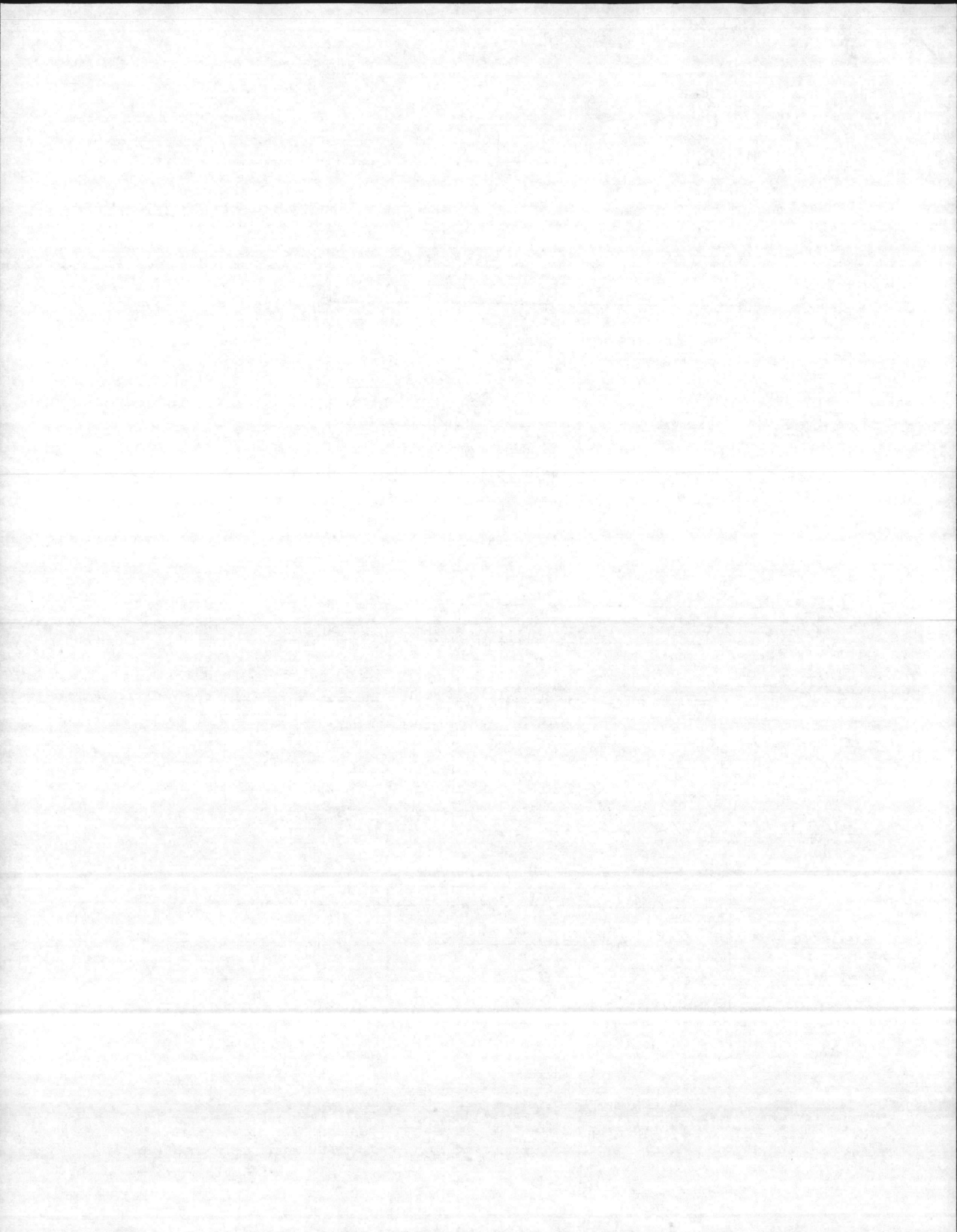
ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	SUN RAY	
29. TYPE	NOZZLE	
30. FUEL GRADE	#2	

31. INSPECTOR'S COMMENTS
 OK

32. ATTACHMENT(S) (Check)
 COPY OF INSPECTOR'S REPORT SPECIAL COMMENTS

33. SIGNATURE
R.M. Sullivan

BY DIRECTION



INSPECTION REPORT-BOILERS
 NAVFAC D-11014/41 (3/67)
 5/73 NAVDOCKS 2544
 N 0105-004-0000

DATE OF INSPECTION
 8-22-74

TYPE OF INSPECTION
 A INTERNAL & EXTERNAL B INTERNAL & EXTERNAL WITH PRESSURE TEST C OPERATIONAL

1. FROM
 Base Maint Officer Camp Lejeune NC.
 2. TO
 Comm. LANT Div. NAVFAC Eng Comm. Norfolk Va.

14. CERTIFICATE ISSUED YES NO
 EXPIRES 11-6-74
 15. BOILER INSPECTOR
 E.O. Mobley
 NAVY OR NATIONAL BOARD NO.
 NAVFAC 101
 16. REASON FOR NOT ISSUING CERTIFICATE

BOILER DATA

3. MANUFACTURER
 National Radiator

4. PROPERTY NO. 26	5. MFG. SERIAL NO. 47966	6. MFG. MODEL NO. AC.4260
7. BUILDING NO. TT48	8. YEAR BUILT N.A.	9. CAPACITY 1,000,000 BTU.

10. FUEL (Check)
 COAL OIL GAS

11. PRESSURE
 DESIGNED 30W psi OPERATING 12 psi TEST 45 psi

12. FEED WATER TREATMENT
 SATISFACTORY UNSATISFACTORY

13. TYPE
 WATER TUBE FIRE TUBE C. I.

17. BOILER USE
 Heating

18. COMBUSTION CONTROL (Mfg. Name)
 Honeywell

19. COMBUSTION
 % CO₂ _____ % EXCESS O₂ _____

20. FLUE GAS TEMPERATURE
 AFTER BOILER _____ °F ; AFTER HEAT TRAP _____

SAFETY DEVICES
 SAFETY VALVES

21. MANUFACTURER
 Mc Donnell Miller

22. NUMBER AND SIZE
 1-3"

23. PSI SETTING

24. CONDITION

25. MANUFACTURER
 ASME STD.

26. CORRECTIONS
 WATER LEG CONSTANT _____ psi; OTHER _____ psi

27. REASON IF NOT TESTED

FIRING EQUIPMENT

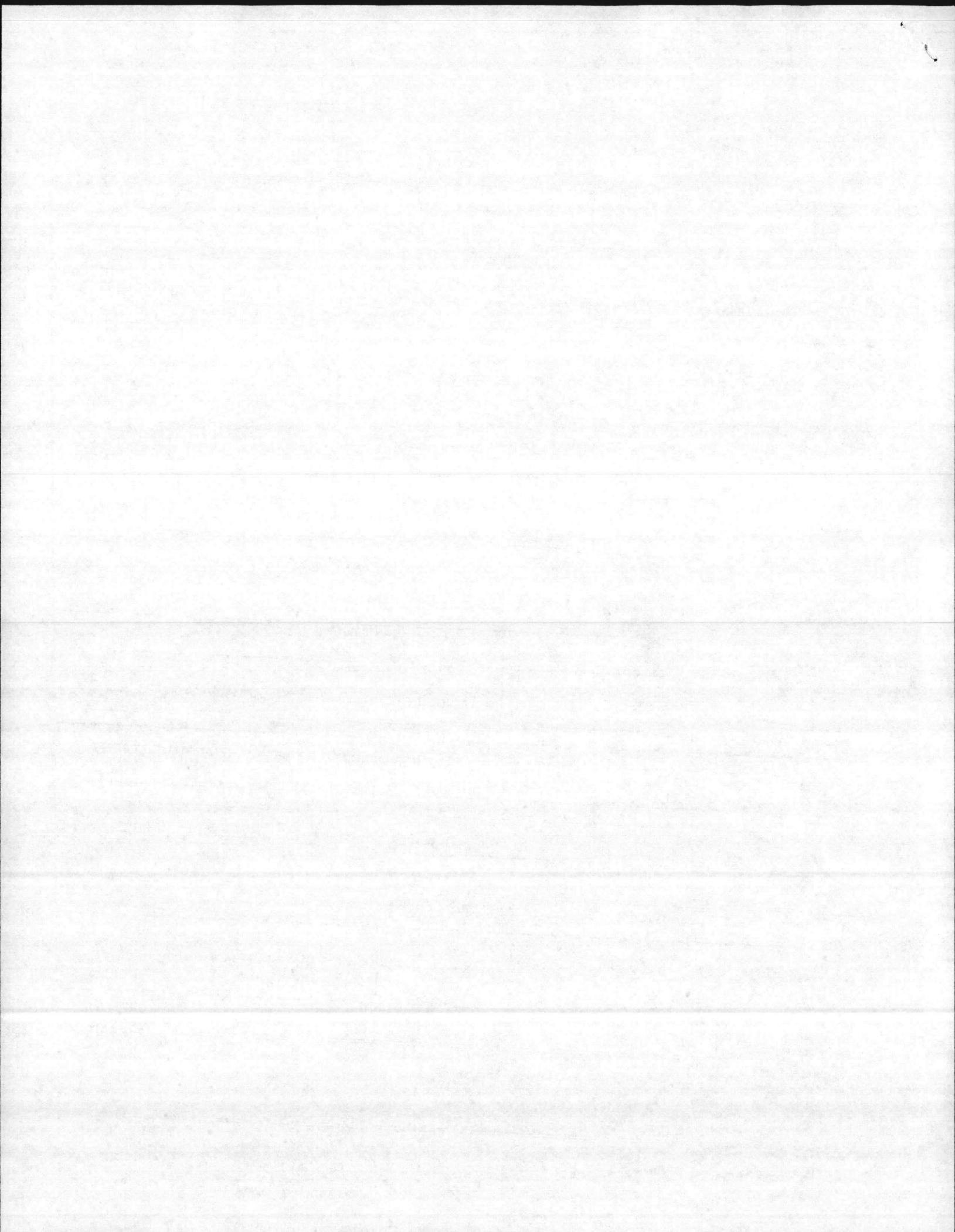
ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	SunRay Burner	None
29. TYPE	Nozzle	
30. FUEL GRADE	#2	
31. INSPECTOR'S COMMENTS		

32. ATTACHMENT(S) (Check)
 COPY OF INSPECTOR'S REPORT SPECIAL COMMENTS

33. SIGNATURE
 J.E. Henson

BY DIRECTION

U.S. GOVERNMENT PRINTING OFFICE 1971-426-



DATE: 8-22-74

ACTIVITY: Camp Lejeune NC.

BUILDING NO: TT 48 BOILER NO: 26

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 Should Be Retubed Prior To
Fy 76 Heating Season. Due To Boiler Having
Been Retubed Twice Before, This May Have To
Be Accomplished By ~~use~~ use of Tube Ferrules
or possibly Replaced.

