

DATE OF INSPECTION

18 JUNE 18 JULY 1984

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 NAVFACENGCOM
 NORFOLK, VA

14. CERTIFICATE ISSUED YES NO
 EXPIRES 18 JULY 1985
 15. BOILER INSPECTOR

Thomas L Lonier
 NAVY OR NATIONAL BOARD NO.

BOILER DATA

3. MANUFACTURER
 BURNHAM

NAVFAC 239
 16. REASON FOR NOT ISSUING CERTIFICATE

4. PROPERTY NO. 22 5. MFG. SERIAL NO. 15057 6. MFG. MODEL NO. HFW-154.50.LB

7. BUILDING NO. 45 8. YEAR BUILT 1984 9. CAPACITY 1,289,000 BTU/HR.

NEW BOILER WILL
 RETAIN SAME # 22
 AS OLD BOILER

10. FUEL (Check) 11. PRESSURE
 DESIGNED OPERATING TEST
 COAL OIL GAS 30 psi 20 psi 45 psi

12. FEED WATER TREATMENT 13. TYPE
 SATISFACTORY UNSATISFACTORY WATER TUBE FIRE TUBE C. I.

17. BOILER USE
 HEATING

18. COMBUSTION CONTROL (Mfg. Name)
 HONEYWELL

19. COMBUSTION
 14.0 % CO₂ % EXCESS O₂

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

SAFETY DEVICES
 SAFETY VALVES

21. MANUFACTURER WATTS 22. NUMBER AND SIZE 1-1/4" 23. PSI SETTING 30 24. CONDITION NEW

STEAM PRESSURE GAUGE

25. MANUFACTURER DANTON 26. CORRECTIONS
 WATER LEG CONSTANT _____ psi; OTHER _____ psi

27. REASON IF NOT TESTED

FIRING EQUIPMENT

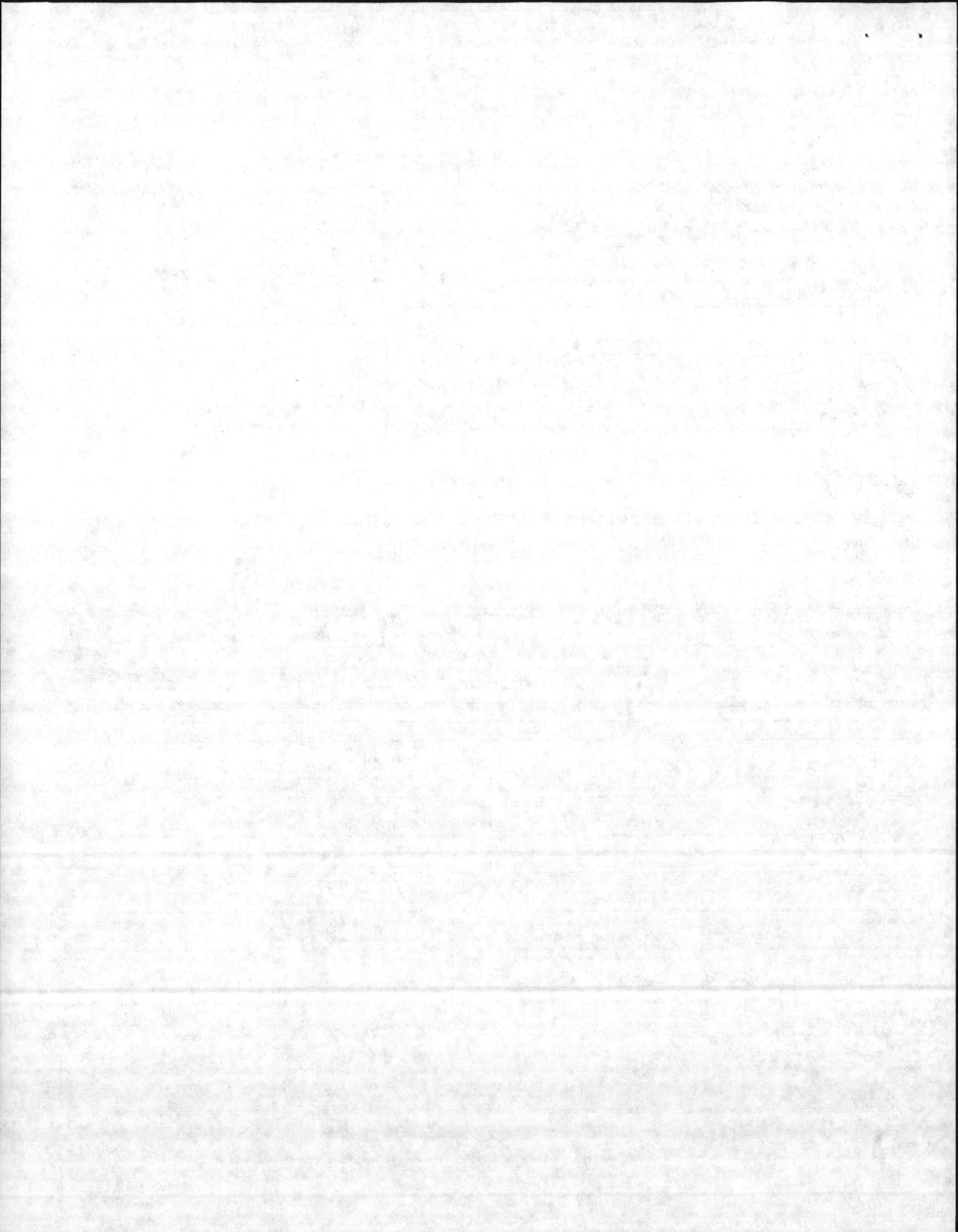
ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	POWER FLAME	
29. TYPE	NOZZLE SPRAY	
30. FUEL GRADE	# 2	

31. INSPECTOR'S COMMENTS

OK.

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

33. SIGNATURE
J. L. Sellers BY DIRECTION



ALAN MIDDLETON

Representative:

MATT MARSHALL & COMPANY
BOILER & BURNER—SALES & SERVICE
Interstate Hwy. 85-S—Mail Route 7, Box 170
Exit 120 Phone (919) 292-8477
GREENSBORO, NORTH CAROLINA 27407



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MATT MARSHALL & COMPANY

TRAPS
◆
TANKS
◆
VALVES

MARSHALLTOWN
• INSTRUMENT-GAUGES-THERMOMETERS
GOODWAY TUBE CLEANING SYSTEMS FOR:
• FIRETUBE, WATERTUBE BOILERS
HEAT EXCHANGERS-CONDENSERS

PENN
• BLOWDOWN SEPARATORS-SILENCERS
ECONOMIZERS
SAFETY & RELIEF VALVES-ALL TYPES
TEMPERATURE CONTROLS ALL TYPES & STYLES
OIL HEATERS-STEAM & ELECTRIC
CHEMICAL FEED PUMPS-TANKS
WATER SOFTENERS-AUTOMATIC & MANUAL
BOILER FEED PUMPS & TANKS
FUEL PUMPS-PUMP SETS

◆
PACKINGS

BOILER CONTROL SYSTEMS-DESIGN & SALES
• ALL TYPES BOILER ROOM EQUIPMENT
• PARTS-SERVICE-ENGINEERING
AUTOMATIC FIRETUBE BOILERS
• CONVERSION BURNERS-GAS-OIL
• ENERGY SAVING WOODWASTE &
COAL FIRED BOILERS

◆
GASKETS

HONEYWELL
• FULL LINE DISTRIBUTOR SALES & SERVICE
ITT McDONNELL & MILLER
• WATER CONTROL VALVES & DEVICES
FIREYE
• FULL LINE DISTRIBUTORS-SALES & SERVICE
EVERLASTING
• BLOWDOWN VALVES-QUICK & SLOW

◆
DEAERATORS
◆
BRUSHES

◆
IGNITION TRANSFORMERS

"SERVICE AFTER THE SALE"

BOILER INSPECTION CHECK LIST

HYDRO 18 JUNE 84 @ 52 PSI

LOCATION		BLDG NO.	BOILER NO.	DATE
MCBCL HEAVY EQUIP.		45	22	18 JULY 84
BOILER MFG. BURNHAM	OPERATING PRESS. 20	DESIGN PRESS. 30	CAP. 65 1289 MBH	
SERIAL NO. 15057	MODEL NO. 4FW.154.50.LB	N.B. NO. 15057		
BURNER MFG. POWER FLAME	FIRING RATE: AUTO. 30.8 H.P.			
STEAM GAGE NAME: DANTON	PRESS. 0-100	TEST		
SV MFG WATTS	CAP-CFM	NO. 1	SIZE 1 1/4"	
NO. 1	SET 30	OPEN 32 1/2	CLOSE	
NO. 2	SET	OPEN	CLOSE	
NO. 3	SET	OPEN	CLOSE	
CO2% 14.0	02%	STACK TEMP 340-40-300	COMB. EFF. 87.25	PURGE TIME 60 SEC.
NO. 1 FIREYE C/O	OK - LP MK			A/L
NO. 2 FIREYE C/O				A/L
HI- STEAM TEMP. C/O	@ 180°			A/L
EXCESS STEAM TEMP. C/O	@ 200°			A/L
HI OIL TEMP. C/O				A/L
HI OIL PRESS. C/O				A/L
LO OIL TEMP. C/O				A/L
LO OIL PRESS. C/O				A/L
LO ATOM AIR/STEAM C/O				A/L
NO. 1 LW C/O	OK (VISUAL SAW WATER LEVEL)			A/L
NO. 2 LW C/O				A/L
LO FURNACE DRAFT C/O	OK L/O A/L			A/L
LO FIRE START C/O				A/L
TYPE OF FUEL 2	YEAR BUILT 1984			
HEAT SURFACE	Boiler 145	WATER WALL		

REMARKS:

RETURN
↓

- PURGE ON LOW FIRE. 10.3 - 250°
- LO-FIRE BURNER OIL PRESS = 130 PSI CO2 - 13.7
- HI-FIRE BURNER OIL PRESS = 150 PSI CO2 - 18.3 - 330
- SV DISCH LINE PITCH TO OUTSIDE.

$$\begin{array}{r}
 140,000 \\
 \underline{7,500} \\
 70,000 \\
 \underline{78,000} \\
 105,000
 \end{array}$$

SUPPLY PRESS - 240
~~250~~ PSI

LOW FIRE.

RETURN OIL PRESS

125 PSI
~~120~~

CO₂ = 10.5

STK.

TEMP

260 = 88% EFF.

HI-FIRE

RETURN OIL PRESS

~~120~~ PSI
 190

CO₂ = 15.0

330° = 88.5% EFF.

MFGRS. SERIAL NO. 15057		MFGRS. MODEL NO. 4FW-154-50-LB		MANUFACTURER BURNHAM		DATE OF SHEET 18 July 1984	
TYPE OF SUPERHEATER None		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 <input checked="" type="checkbox"/> Heating	
TEMPERATURE AT SUPERHEATER OUTLET N/A _____ °F		HEATING SURFACE (SQ. FT.) 145 SQ. FT.		PRESSURE (psig) _____ DESIGN 30 MAWP 20 INSTALLED WP		DATE BUILT 1984	
NORMAL FEEDWATER TEMPERATURE N/A _____ °F		BOILER WATER WALL _____ ECONOMIZER _____ SUPERHEATER _____		CAPACITY 30.8 38.5 HP _____ LB./HR _____ EDR 1289 MBH BTU/HR.		DATE INSTALLED 1984	
(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 type="checkbox"/> NONE <input type="checkbox"/> TUBULAR <input type="checkbox"/> REGENERATIVE <input type="checkbox"/> STEAM N/A		BOILER TYPE <input type="checkbox"/> C.I. <input checked="" type="checkbox"/> WATER TUBE <input type="checkbox"/> FIRE TUBE 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	OIL <input type="checkbox"/> COMMERCIAL 1, 2, 4, 5, 6 <input type="checkbox"/> NAVY <input type="checkbox"/> OTHER _____	COAL	OIL <input type="checkbox"/> ANTHRACITE <input type="checkbox"/> BITUMINOUS
	GAS	<input type="checkbox"/> NATURAL <input type="checkbox"/> MANUFACTURED		GAS	N/A <input type="checkbox"/> NATURAL <input type="checkbox"/> MANUFACTURED
FIRING EQUIPMENT	COAL - HAND FIRED	<input type="checkbox"/> COAL - STOKER	COAL - PULVERIZER <input type="checkbox"/> ATTRITION <input type="checkbox"/> BALL & RACE <input type="checkbox"/> BOWL MILL <input type="checkbox"/> TUBULAR	<input type="checkbox"/> COL-HAND FIRED	COAL - PULVERIZER <input type="checkbox"/> ATTRITION <input type="checkbox"/> BALL & RACE <input type="checkbox"/> BOWL MILL <input type="checkbox"/> TUBULAR
	<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 RING <input type="checkbox"/> VENTURI TYPE	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"/> COL - 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 RING <input type="checkbox"/> VENTURI TYPE

FIRING EQUIPMENT MANUFACTURER Power Flame Burner 2.5 - 9.5 GPH (HONEYWELL)	
PROPERTY NO. 22	BUILDING OR LOCATION 45 HEAVY EQUIPMENT
BOILER 22	ACTIVITY MCBCL

DATA RECORD SHEET - BOILERS
 MAYFAC 9-11014/40 (9-89) Supersedes MAYDOCKS 2509
 S/N 0105-003-70 10

FITTING	NUMBER	SIZE	MANUFACTURER	TYPE	SETTING	RANGE	PRESSURE CLASS
SAFETY VALVES	1	1 1/4"	Watts 2,105,000 BTU/H	Model M	30		
Hot Wtr. STEAM OUTLET VALVES	1	4"	Armstrong	Model DMA3			
BLOW-OFF VALVES				Gate			
FEEDWATER VALVES							
WATER COLUMN	N/A						
FEEDWATER REGULATOR	1	3/4"	Watts	5M3	20	10-35	
WATER GAGES	1	4"	Danton			0-100	
STEAM GAGES							
SOOT BLOWERS	N/A						
FUSIBLE PLUGS	N/A						

Honeywell Control - R4140L 1105
 Burner Tip - Size 6.0 Gal 80° BPF
 LWCO - McDonnell No. 63
 NB# 15057

DATE OF INSPECTION
 17 NOV. 1983

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 B INTERNAL & EXTERNAL WITH PRESSURE TEST
 C OPERATIONAL

1. FROM **BASE MAINT. OFFICER
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2. TO **NAVFACENCOM
 NORFOLK, VA.**

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 EXPIRES 17 NOV. 1984
 15. BOILER INSPECTOR

Thomas L. Lanier
 NAVY OR NATIONAL BOARD NO.

NAVFAC 239

BOILER DATA

3. MANUFACTURER

CLIFF

4. PROPERTY NO. **22** 5. MFG. SERIAL NO. **6086** 6. MFG. MODEL NO. **SN 3242**

7. BUILDING NO. **45** 8. YEAR BUILT 9. CAPACITY **836,800 BTU/HR.**

10. FUEL (Check) COAL OIL GAS
 11. PRESSURE DESIGNED **30** psi OPERATING **12** psi TEST **30** 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

18. COMBUSTION CONTROL (Mfg. Name)
HONEYWELL

19. COMBUSTION
5.0 % CO₂ _____ % EXCESS O₂

20. FLUE GAS TEMPERATURE
 AFTER BOILER **250** °F ; AFTER HEAT TRAP _____ °F

SAFETY DEVICES
 SAFETY VALVES

21. MANUFACTURER **WATTS** 22. NUMBER AND SIZE **1-1 1/2"** 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	NU-WAY	
29. TYPE	NOZZLE SPRAY	
30. FUEL GRADE	#2	

31. INSPECTOR'S COMMENTS

EXTEND DRAIN LINE ON LWCO TO SAFE DISTANCE

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

33. SIGNATURE
R.M. Wilson

BY DIRECTION

