

DATE OF INSPECTION
 23 MAR. 28 MAR 1983

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

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

NAVFAC 239

16. REASON FOR NOT ISSUING CERTIFICATE
 SAFETY VALVES NOT OPERATING IN PERMISSIBLE RANGE.

BOILER DATA

3. MANUFACTURER
 CLEAVER BROOKS

4. PROPERTY NO. 1	5. MFG. SERIAL NO. L 66534	6. MFG. MODEL NO. CB 600-350
7. BUILDING NO. H-100	8. YEAR BUILT 1981	9. CAPACITY 1464500 BTU/HR.
10. FUEL (Check) <input type="checkbox"/> COAL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS		11. PRESSURE DESIGNED OPERATING TEST 150 psi 125 psi 225 psi
12. FEED WATER TREATMENT <input checked="" type="checkbox"/> SATISFACTORY <input type="checkbox"/> UNSATISFACTORY		13. TYPE <input type="checkbox"/> WATER TUBE <input checked="" type="checkbox"/> FIRE TUBE <input type="checkbox"/> C. I.

17. BOILER USE
 HEATING
 19. COMBUSTION
 13. % CO₂ _____ % EXCESS O₂ _____

18. COMBUSTION CONTROL (Mfg. Name)
 CLEAVER BROOKS
 20. FLUE GAS TEMPERATURE
 AFTER BOILER 300 °F ; AFTER HEAT TRAP _____ °F

SAFETY DEVICES
 SAFETY VALVES

21. MANUFACTURER KUMBLE VALVE CO.	22. NUMBER AND SIZE 1-1/2" 1-2"	23. PSI SETTING 150 150	24. CONDITION BAD
25. MANUFACTURER CLEAVER BROOKS		26. CORRECTIONS WATER LEG CONSTANT _____ psi; OTHER _____ psi	
27. REASON IF NOT TESTED			

FIRING EQUIPMENT

ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	CLEAVER BROOKS	CLEAVER BROOKS
29. TYPE	NOZZLE - AIR ATOM	NOZZLE - AIR ATOM
30. FUEL GRADE	#6	#2

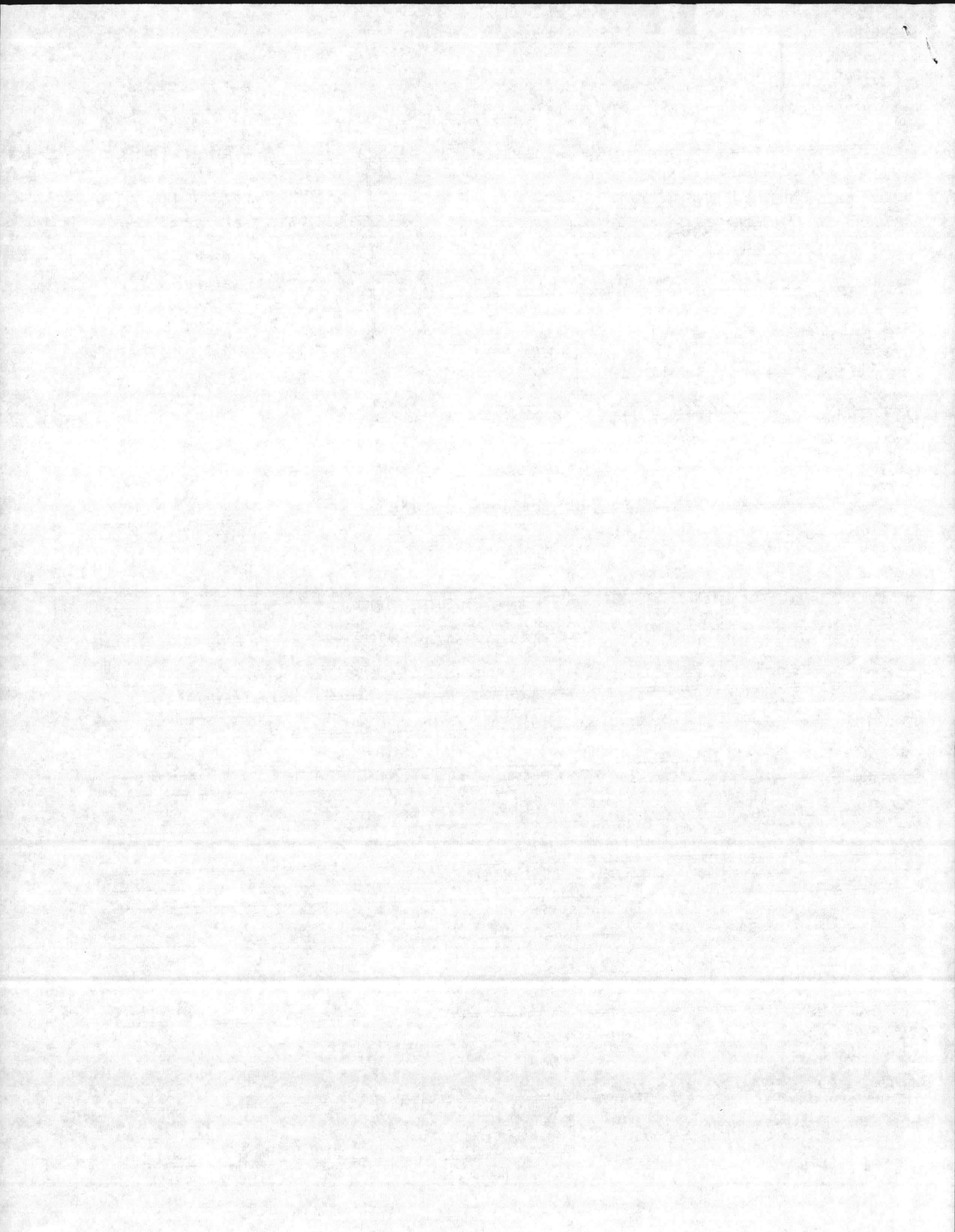
31. INSPECTOR'S COMMENTS
 WATER SIDE - LIGHT PITTING ON TUBES

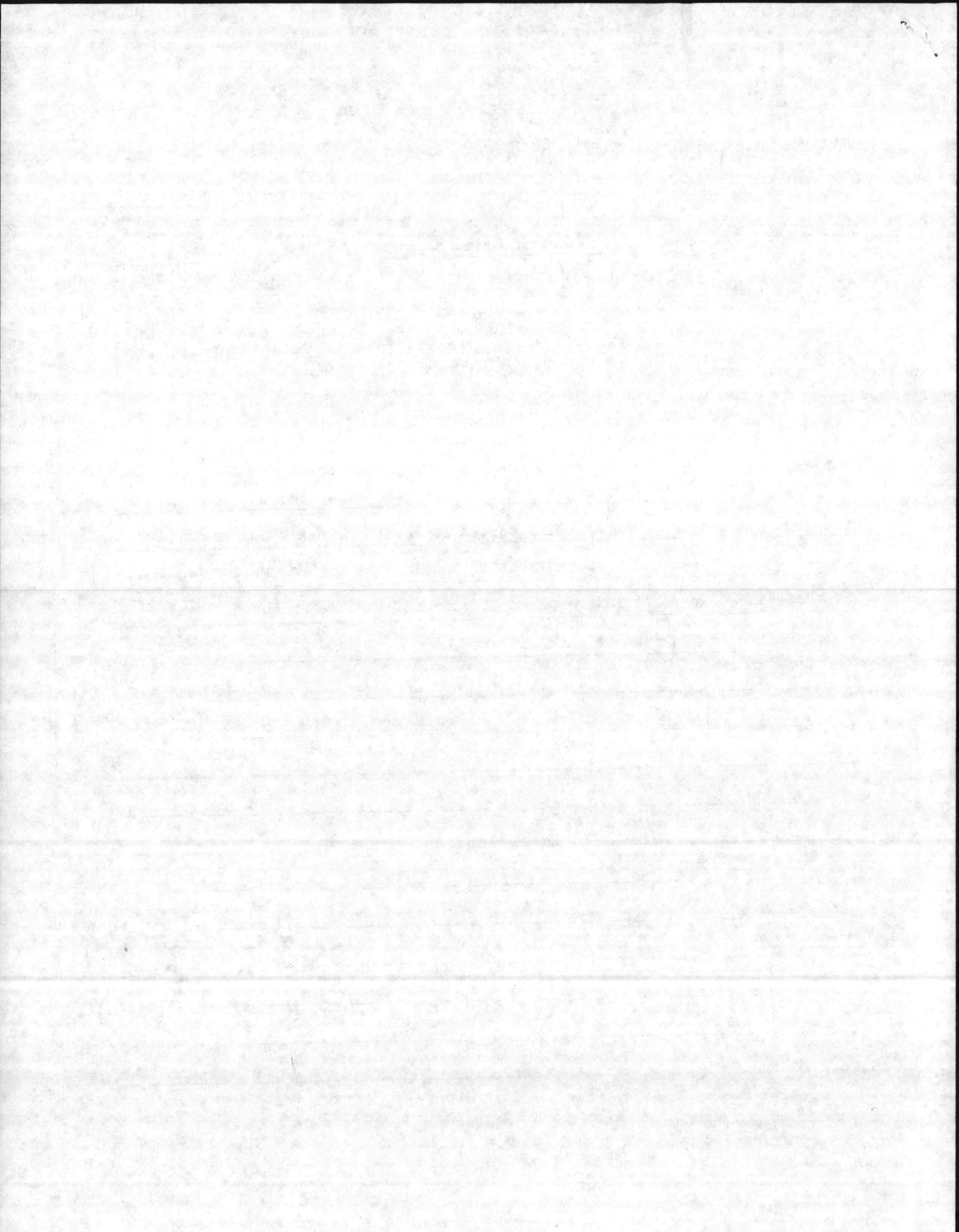
RECOMMEND CHT WALK WITH TWO EXITS FROM TOP OF BOILERS

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

33. SIGNATURE

 BY DIRECTION





BOILER INSPECTION CHECK LIST

LOCATION	BLDG NO.	BOILER NO.	DATE
NEW HOSPITAL	H-100	1 SOUTH	30 NOV. 82
BOILER MFG. CLEAVER BROOKS		CAP. 14645000 BTU	
SERIAL NO. L 66534	MODEL NO. CB 600-350	N.B. NO.	
BURNER MFG. CLEAVER BROOKS		FIRING RATE: MODULATING	
STEAM GAGE NAME: CLEAVER BROOKS		PRESS.	TEST
SV MFG KUNKLE VALVE CO.	CAP	NO. 2	SIZE 1 1/2 - 2"
NO. 1	SET 150 FWD	OPEN 146	CLOSE 135
NO. 2	SET 150 AFT	OPEN 144-143	CLOSE 124-125
NO. 3	SET	OPEN	CLOSE
CO2% 13.4	02%	STACK TEMP 375	COMB. EFF. 84.5
			PURGE TIME 80 SEC
NO. 1 FIREYE	C/O OK	CUT OUT - ALARM - LIGHT	A/L 4 SEC.
NO. 2 FIREYE	C/O		A/L
HI-STEAM TEMP.	C/O OK	125 - IN AT 114	A/L
EXCESS STEAM TEMP.	C/O OK	135 - LIGHT	A/L
HI OIL TEMP.	C/O #6 OIL OK	LIGHT	A/L
HI OIL PRESS.	C/O #2 OIL OK	LIGHT	A/L
LO OIL TEMP.	C/O #6 OIL OK	LIGHT	A/L
LO OIL PRESS.	C/O OK @ 40 PSI	^{LIGHT} A MANUAL RESET SWITCH BAD	A/L
LO ATOM AIR/STEAM	C/O OK	ALARM LIGHT	A/L
NO. 1 LW	C/O OK	ALARM - LIGHT	A/L
NO. 2 LW	C/O	CUT OUT BURNER - NO ALARM	A/L
LO FURNACE DRAFT	C/O OK	ALARM - LIGHT	A/L
LO FIRE START	C/O OK		A/L
TYPE OF FUEL	#2		A/L
REMARKS: LOW STEAM PRESS LIGHT ON AT 25 PSI. RESET @ 100 PSI			
HIGH WATER LIGHT & ALARM will not C/O Boiler - OK			
EMER. SHUT DOWN SWITCH - OK			
SOUND LEVE - 85 D			
130 SHUTS CLOSING 2" SAFETY VALVE			

#2 BOILER SIV
KUNKLE VALVE CO.
FIG- 6000 H-1 SIZE- 1 1/2
SET- 150 LBS/HR 5997
BD- 6 LIFT, 250
SEAT DIA. .048

#2 VALVE
FIG- 6000 11 SIZE- 2"
SET- 150 LBS/HR 9831
BD- 6 LIFT - 320
SEAT DIA- 1.280

BOILERS - NEW HOSPITAL

16 NOV -

1982

- ① FEED WATER CONTROL VALVE LEAKING #1 & 2 BOILERS
- ② PRESSURE GAUGES ON PILOT GAS NOT WORKING ON ONE BOILER & GLASS MISSING ^{ON OTHER BOILER}
- ③ VENT PIPE ON HEAVY OIL TANK NEEDS REPAIR
- ④ STEAM FLOW-CONDENSATING POTS - REMOVE INSULATION
- ⑤ STM-OUT LET FLANGE LEAKING AT BOILER - #2 SOUTH.
- ⑥ #2 SOUTH BOILER - TOP TRY-COCK LEAKING
- ⑦ OIL METER ON #1 & 2 BOILERS - SET UP STRAIGHT
- ⑧ #1 NORTH BOILER - STACK THERMOMETER MERCURY SEPERATED
- ⑨ BOTTOM BLOW AFTER COOLER TANK - LOOSE
- ⑩ #2 SOUTH BOILER - FILL UP WITH WATER OVERNIGHT
- ⑪ TIGHTEN AIR-COMP. COVER DOOR #1 NORTH BOILER
- ⑫ #2 SOUTH - STM REG-VALVE TO #6 OIL HEATER LEAKING.
- * ⑬ SAFETY VALVES NOT RESEATING - TO MUCH BLOW DOWN

RECOMMEND

- ① LADDER & CAT WALK UP TO NON-RETURN VALVE AREA ON TOP OF BOILERS - TWO WAYS OFF BOILERS
- ② STEAM FLOW METER ON EACH BOILER SO OPERATOR WILL KNOW HOW MUCH STEAM IS GENERATED & WHEN TO START-UP ANOTHER BOILER
- ③ METERS ON WATER SOFTNERS (FLOW)
- ④ BY-PASS AROUND FEED WATER AUTO-VALVE
- ⑤ #2 & #6 OIL RETURN POSSIBLE TO SAME TANK

(NEED INTERNAL & HYDRO INSPECTION)

