

# ALKALINE BOILING OUT OF BOILER

*CHEMICAL CLEANING OF BOILER IS CARRIED OUT IN THREE CONDITION*

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- 1. BEFORE INITIAL START OF BOILER.*
- 2. IN CASE OF HEAVY OIL CONTAMINATION.*
- 3. IN CASE OF HEAVY SCALING OR CORROSION.*

*ALKALINE BOILING OUT IS CARRIED OUT BY TRI-SODIUM PHOSPHATE OR CAUSTIC SODA 2500 PPM EACH. THIS IS CARRIED OUT IN CASE OF OIL CONTAMINATION OF BOILER WATER.*

***PROCEDURE:-***

1. ***FILL WATER TO NORMAL LEVEL WITH FEED WATER USED FOR REGULAR SERVICE. WATER SHOULD BE DEAERATED.***
2. ***CHEMICAL USED FOR BOILING OUT SHOULD BE COMPLETELY DISSOLVED BEFORE THEY ENTER THE UNIT AND FED BY CHEMICAL FEED CONNECTION.***
3. ***START FIRING THE BOILER SLOWLY.***
4. ***PRESSURE TO BE RAISED SLOWLY AND AT CONSTANT RATE TILL 3.5 TO 4 BAR MINIMUM.***
5. ***BOILER TO BE BLOWDOWN AT LEAST ONCE EVERY 8 HOURS DURING BOILING OUT.***
6. ***HALF OF GAUGE GLASS TO BE BLOW DOWN TOTALLY AND DIVIDED EQUALLY IN ALL MAIN BLOW DOWN.***
7. ***AT END OF BLOW DOWN , WATER IS BROUGHT BACK TO SAME LEVEL AS NORMAL AND REPLENISHED WITH CHEMICAL TO PROPER CONCENTRATION.***
8. ***TO BE DONE TILL NO CONTAMINATION ARE PRESENT IN WATER SAMPLE FROM BLOW DOWN LINES.***