

INSTRUCTIONS ON HOW TO STOP AN OPERATING BOILER

A boiler must be always maintained in good condition. But, often, a boiler must be opened for inspection. The main purpose of the water treatment programme of Melrose Chemicals , Ltd is to maintain the boilers clean, free of scale and corrosion. Consequently, it is important that the following instructions are put into practice to obtain a good result when the boiler is open for inspection.

1. BLOWDOWNS

At least 72 hours before the boiler is stopped, blowdowns will have to be increased, at least 4 times more than normal. The cycle of concentration will have to be reduced, so that the total of dissolved solid is less than 750 ppm.

2. CHEMICAL TREATMENT

The chemical treatment must be continued during this period. The concentrations and the residues will be lower than normal, all the same, there will be sufficient treatment for this period to prevent the formation of scale and corrosion.

3. ADDITIONAL TREATMENT

To produce a more desirable residue before stopping the boiler it is necessary to employ additional PROTECTO 7060, 7061 or 7062. Thus, sufficient PROTECTO 7060, 7061 or 7062 must be added to obtain a alkalinity "P" reading of 500 ppm.

4. DRAINING THE BOILER

The boiler should not be emptied as long as the temperature is higher than 80°C.

When the temperature is approximately 80°C, the boiler must be emptied without delay. Do not spray water in the boiler while it is emptying at a water temperature of 80°C.

When the boiler is completely empty and you see mud on the surfaces, spray the boiler to remove the mud before it dries on the metal.