

C - SHUTTING DOWN A BOILER

After extinguishing a boiler :

- isolate the main steam line at the bulkhead and at the A.B.C. stop valve,
- isolate the desuperheated steam line,
- leave the water at a level sufficient to allow subsequent filling of the superheater from it, and inject hydrazine via the phosphate pump,
- close the MECT feed regulator head valve,
- close the boiler fan registers,
- close the dust collector shutters,
- isolate the air heater from the steam line and drain.

When the boiler has cooled down, about 48 hours after extinction, fill the superheater.

If the boiler is to be shut down for a prolonged period (5 days or more), completely fill the upper drums up to the air releases, injecting hydrazine.

It is recommended that shut-down boilers be kept luke-warm in order to avoid external corrosion of the tube bundles. It is possible to :

- 1) Apply a burst of heat periodically using diesel oil, which has the advantage of eliminating the risk of corrosion by dissolved oxygen ;
- 2) Heat the boiler by starting up one boiler fan and the steam air heater, with a single air distributor open. Start up also the gastight integrity fan, in order to avoid blow-back of gas into the extinguished boiler (see page 12).