SUPERHEATER TRIP RE-START
LHC II

Scope

Restart a superheater after a trip.

Hazards

Burns
Steam or Condensate hammer
Blowing a PSV
Wet steam to the 475# Header
Minimize sight seers in the area.

Safety Equipment

Monogoggles to Relight Burners - this pertains to those in the immediate area as well as the one performing the job

Tools

Ignitor

Past Incident History

When re-lighting burners there is a possibility of them backfiring.

Operating Parameters

The variables for operating limits, consequences and responses are listed in the "Normal Operations Procedure". The file is located on the LHC II operating discipline computer under the critical procedures directory.

Procedure

1._____Open limitorque valve to muffler wide open to keep wet steam from getting to header. The check valve should prevent the incoming 475# steam header from being vented to the muffler.

2._____Monitor temperatures at 2TK-71 and 120 inlets

3._____Close all burner valves and burner shutters.

4._____Determine cause of trip (low fuel gas pressure or fire eyes).

5._____Bypass flame detector system per flame detector operation and bypassing procedure.

6._____Reset Amot trip, by pulling toggle switch to extended position and lifting handle. Be sure fuel gas control valve is slightly open to allow fuel gas to the transmitter. The Amot trips at 5 psig pressure should be kept below 21#.

7._____Relight a burner.

8._____Put the flame detector system back in operation. See flame detector operaiton and by-passing procedure

9._____Relight burners to bring temperature back to operating range of 650 - 750°F As burners are lit the shutters can be reopened

10.____When the steam out gets up to temperature, slowly close limitorque valve off the muffler vent to allow the superheater to pressure up and vent to the 475# header.