

IFA Technical Conference

Chennai, India

24-27 September 2002

DAMAGE AND REPAIR OF THE PUSRI-II START-UP HEATER (2A-102B) (a)

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1. **Abstract**

The failure to close one of four block valves for the burner in the ammonia start-up heater had caused the tube coils to overheat due to the absence of syn gas inside the coil. After less than one hour the coils exploded. The remaining gas inside the coils leaked out and burned. A big flame came out through both top and the bottom of the heater. During the fire extinguishing operation one plant operator was injured.

The repair of the damaged coils had to be carefully conducted due to the condition of the aged material and difficult location of the damaged parts.

This presentation deals with causes of damage, details of damaged parts and how they were fixed.