



PIPELINE INDUCTION HEAT

We are all Responsible for Safety

Safety Alert: IMPP Purging Incident

Issue 2

Following a short period of inactivity on an Offshore IMPP project an incident occurred during purging of the IMPP machine whereby hot molten polypropylene has ejected from the infill tube / mould and splashed onto 2 PIH Technicians causing burns to neck, arms & hands.

Following Root Cause investigation it has been established that a thermocouple had moved from its housing and was giving an incorrect temperature reading as it was reading air temperature rather than the pipework temperature. Consequently the Polypropylene was over heated and became a liquid. When the purging process took place, the hot liquid situated behind the injection port 'plug' of hardened material and was ejected at high pressure and out into the immediate vicinity where Technicians were incorrectly positioned.



Thermocouple



Infill tube/Ejection port

Immediate mandatory actions on all IMPP sites are:-

- Barriers to be placed around all IMPP equipment and only approved personnel allowed in designated zones.
- Constant monitoring of thermocouples during each shift and record results on checklists provided. Checklists have been updated to show the exact locations of the Thermocouples and record readings against HMI panel readings
- Ensure all maintenance records are completed in full.
- Updated HSEQ action request to be read & understood by Project teams
- Ensure PPE is being worn at ALL times as per risk assessment.
- **A Full Equipment Safety review is being undertaken and any further Equipment modifications will be cascaded to all project teams and Clients.**

All Project Managers & Supervisors to conduct a TBT with Immediate effect.
All records & signed off TBT's to be sent to the Relevant Project Delivery Managers

- ▶ WHAT CAN YOU DO TO CREATE A SAFER WORKPLACE?
- ▶ CAN YOU DO THINGS DIFFERENTLY? CAN YOU DO DIFFERENT THINGS?
- ▶ WILL YOU MAKE AND MEET COMMITMENTS TO SEEK OUT BEST PRACTICES AND PUT THEM TO USE?

GETTING THE JOB DONE SAFELY : EVERYWHERE ON EARTH