

CPC PRE-CHLORINATION CHECKLIST

The following conditions must be satisfied before attempting to add chlorine to the CPC reactor.

- 1. Charts on time and inking.
- 2. Check vaporizing float status. (inlet warm, chest pressure okay)
Record chest pressure _____ psig.
- 3. Steam tracing on to surge drum, vaporizer outlet piping, Cl₂ flow, etc.
- 4. Liquid chlorine header pressure at 130-160 psig.
- 5. CPC vents reset to an operating incinerator.
- 6. Steam to reactor at normal operating rate.
- 7. Reflux pump operation normal. Splitter not flooded.
- 8. Test CPC computer alarm okay.
- 9. Check for condensate in 50# steam to vaporizer.
- 10. Record 50# stm to vaporizer temp (TE1007) _____.
Must be >280 degrees.
- 11. Check surge drum inlet temp (TE1010) > 125 degrees.
Record _____.
- 12. Check surge drum bottom temp (TE1014) > 125 degrees.
Record _____.
- 13. AIBN addition started. Time _____.
- 14. Set chlorine FCV and PCV closed on the board.
- 15. Notify Liquefaction (2564) that you intend to take chlorine.

BATCH _____

LEAD OPERATOR _____

OPERATOR _____

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SL 001333

CPC STARTING CHLORINE FLOW CHECKLIST

- 1. Pre-chlorination checklist completed okay.
- I — 2. RESET SDS/BY-PASS SDS/switch to RUN mode.
- O — 3. Unblock valves at Cl2 FCV and reactor column.
Be sure PCV is manually blocked.
- I — 4. Raise steam to vaporizer chest to 5-6 psig.
- I/O — 5. Stroke PCV to check for proper operation/close.
- O — 6. Unblock PCV.
- I — 7. Open PCV slowly on manual to pressure the surge drum.
- O — Observe the pressurization from outside.
- I — 8. Put PCV on automatic at 70-75 psig.
- I — 9. Crack chlorine FCV to start chlorine to the CPC reactor at 3000 SCFH.
Record _____ Time.
- I — Observe chlorine temps closely for increase as chlorine is added.
- O — Check vaporizer outlet TI and line pressure as chlorine is added.
- I — 10. Line flow out at 3000 SCFH for 10 minutes.
- O — Check splitter color/flood @ 3000 SCFH.
- I — 11. Begin using the Cl2 start-up logsheet.
 - a> hold at 3000 SCFH for 10 minutes.
 - b> hold at 5000 SCFH for 10 minutes.
 - c> hold at 7500 SCFH for 15 minutes.
 - d> raise to operating rate (10000-11000 SCFH)

BATCH _____

INSIDE _____

OUTSIDE _____

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