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6904-029.SOP
(PUTTING VC/HCL STILL ON TOTAL REFLUX)

SAFETY AND THE ENVIRONMENT SHOULD BE ON EVERYONES MIND.

1. REFLUX DRUM SHOULD HAVE A HIGHER THAN NORMAL LEVEL, 75-80 % OF VC. THIS VC CAN BE BROUGHT BACK FROM VC-II BY WAY OF THE VC TRANSFER LINE.
2. THE POT LEVEL SHOULD BE ABOUT 60%. THIS MATERIAL CAN BE EDC OR QUENCH LIQUOR.
3. THE CONDENSER SYSTEM NEEDS TO BE IN SERVICE. L-150 SHOULD BE BLOCKED, THE REFRIGERATION UNIT SHOULD BE ON WITH ALL MATERIAL LINED UP THROUGH THE PROCESS CONDENSER. THIS WILL HELP ENSURE THAT ALL THE VC IS CONDENSED AND RETURNS BACK TO THE REFLUX DRUM.
4. P-156 AND H-154 NEED TO BE IN SERVICE. P-156 CAN BE SET AT 80-90 PSIG. IT IS IMPORTANT TO NOTE THAT THE DCE RX HAS TO BE READY TO ACCEPT FEED.
5. BEGIN ADDING STEAM TO THE REBOILER. THE COLUMN PRESSURE WILL RISE SLOWLY AND THE PCV WILL OPEN TO VENT ANY INERTS.
6. THE POT LEVEL WILL RISE SLIGHTLY AS IT IS HEATED, THEN AS IT STARTS BOILING THE EDC THE LEVEL WILL START TO DROP. AT THIS POINT A SMALL AMOUNT OF REFLUX CAN BE ADDED TO DRIVE THE EDC BACK DOWN THE COLUMN.
7. THE COLUMN PRESSURE WILL FALL OFF ONCE ALL THE HCL AND INERTS HAVE BEEN PURGED FROM THE COLUMN. ALLOW THE COLUMN TO LINE OUT AT ITS EQUILIBRIUM PRESSURE WHILE MAINTAINING THE BOTTOMS TEMPERATURE AND OPERATING THE STILL ON REFLUX.
8. IT IS IMPORTANT TO NOTE THAT TEMPERATURES WILL BE LOWER ON THE COLUMN PROFILE SINCE PRESSURES ARE LOWER. DO NOT TRY TO RAISE THEM TO NORMAL OPERATING TEMPERATURES OR YOU WILL PUT EDC OVERHEAD.

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