GLYCOL I PLANT

Listed below are our process safety requirements which MUST be known and well understood by ALL Glycol I employees. These process safety requirements should be viewed as our process "Ten Commandments". They have been simplified for effective learning but still represent the process understanding needed to prevent unwanted and uncontrolled process safety hazards. Knowing these process safety requirements will allow you to utilize our operating discipline (procedures, etc.) in more specify scenarios to avoid the known safety traps.

PROCESS SAFETY REQUIREMENTS

1. NEVER USE TITANIUM IN DRY CL2 SERVICE.
2. NEVER BACKFLOW INTO THE CHLORINE OR PROPYLENE HEADERS.
3. NEVER INTRODUCE AIR/OXYGEN INTO PO SYSTEM.
4. NEVER USE AIR TO BREAK VACUUM ON A HOT DISTILLATION TOWER .
5. NEVER EXPOSE ACTIVATED TPG REACTOR CATALYST TO AIR/OXYGNEN.
6. NEVER INTRODUCE LIQUID CHLORINE OR LIQUID PROPYLENE INTO THE PLUG-FLOW REACTOR.
7. NEVER INTRODUCE WATER, HOT WASH-OUT PRODUCT, OR CELL EFFLUENT INTO THE CRUDE PO STORAGE TANKS.
8. NEVER USE ALUMINUM IN PDC SERVICE.
9. NEVER RUN THE PLUG-FLOW REACTOR WITH MORE THAN 25% CHLORINE IN THE VENT SYSTEM.
10. NEVER PUT A WET CHLORINE SYSTEM IN SERVICE.

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