SL 072068

P-3097 Meet EDC Exposure Regulations
Project Schedule

Phase 1

1. Pumps Clearing
2. Closed Loop Sample
3. Filters Clearing

Phase II

1. Shipping Operations
2. Tar Buggies
3. WTU Classifier
4. Process Sumps
5. Lift Stations
6. EDC Process Vessels

Phase III

1. Distillation Columns EDC
2. EDC Tanks
3. EDC Piping

ITEMS TO BE DISCUSSED AT P/T
EDC EXPOSURE MEETING MAY 7, 1990
- SUGGESTED APPROACH -

1. BAT SUMP:
   COVER THE BAT SUMP TO ELIMINATE THE EXPOSURE WHILE DUMPING VAC TRUCKS INTO THE BAT SUMP. ADD A NOZZLE FOR VAC TRUCKS DISCHARGE.

2. BAT SUMPS PRIMING:
   ADD A BLEEDING LINE BACK TO THE COVERED BAT SUMP INSTEAD TO THE PUMPS PAD.

3. AND 4. CLEARING VAPORIZER FOR OUTAGE:
   INSTALL A LOW POINT BLEED AT THE PUMP BOWLS TO INSURE COMPLETE DRAINAGE OF THE VAPORIZERS. ONCE THE VAPORIZER IS COMPLETELY DRAINED USE HEATED N2 TO PURGE TO THE VENT HEADER. IF POSSIBLE KEEP STEAM GOING TO THE REBOILER TO HELP HEATING AND GET RID OF THE ORGANIC VAPORS.

5. VAPORIZER BLOWDOWN PIPING CLEARING:
   N2 BLOW THE LINES EMPTY AND THEN USE HEATED N2 TO GET RID OF ORGANIC VAPOR TRACES. VENT TO THE VENT HEADER.

6. TRI STILL REFLUX DRYER DUMPING:
   N2 PAD THE DRYER. ONCE THE DRYER IS EMPTY OF LIQUID, USE HEATED N2 TO GET RID OF THE ORGANIC VAPORS. VENT TO THE VENT HEADER.

7. TRI STILL REFLUX SYSTEM:
   A. REFLUX PUMPS:
      PUMP CLEARING LINE TO THE REFLUX TANK.
      USE OF A DOUBLE SEAL ON THE PUMPS.
   B. REFLUX TANK:
      EMPTY THE TANK INTO THE STILL AND USE HEATED N2 TO RID THE TANK OF ORGANIC VAPORS. VENT TO THE VENT HEADER.

8. LINE LEAK IN WHICH EDC IS A MAJOR COMPONENT:
   NEED A LIST OF THIS SO WE CAN START WORKING ON INDIVIDUAL ITEMS FOR COST ESTIMATES. THIS NEED FURTHER STUDY.

ITEMS TO BE DISCUSSED AT P/T
EDC EXPOSURE MEETING MAY 7, 1990
- SUGGESTED APPROACH -

1. BAT SUMP:
   COVER THE BAT SUMP TO ELIMINATE THE EXPOSURE WHILE DUMPING VAC TRUCKS INTO THE BAT SUMP. ADD A NOZZLE FOR VAC TRUCKS DISCHARGE.

2. BAT SUMPS PRIMING:
   ADD A BLEEDING LINE BACK TO THE COVERED BAT SUMP INSTEAD TO THE PUMPS PAD.

3. AND 4. CLEARING VAPORIZER FOR OUTAGE:
   INSTALL A LOW POINT BLEED AT THE PUMP BOWLS TO INSURE COMPLETE DRAINAGE OF THE VAPORIZERS. ONCE THE VAPORIZER IS COMPLETELY DRAINED USE HEATED N2 TO PURGE TO THE VENT HEADER. IF POSSIBLE KEEP STEAM GOING TO THE REBOILER TO HELP HEATING AND GET RID OF THE ORGANIC VAPORS.

5. VAPORIZER BLOWDOWN PIPING CLEARING:
   N2 BLOW THE LINES EMPTY AND THEN USE HEATED N2 TO GET RID OF ORGANIC VAPOR TRACES. VENT TO THE VENT HEADER.

6. TRI STILL REFLUX DRYER DUMPING:
   N2 PAD THE DRYER. ONCE THE DRYER IS EMPTY OF LIQUID, USE HEATED N2 TO GET RID OF THE ORGANIC VAPORS. VENT TO THE VENT HEADER.

7. TRI STILL REFLUX SYSTEM:
   A. REFLUX PUMPS:
      PUMP CLEARING LINE TO THE REFLUX TANK.
      USE OF A DOUBLE SEAL ON THE PUMPS.
   B. REFLUX TANK:
      EMPTY THE TANK INTO THE STILL AND USE HEATED N2 TO RID THE TANK OF ORGANIC VAPORS. VENT TO THE VENT HEADER.

8. LINE LEAK IN WHICH EDC IS A MAJOR COMPONENT:
   NEED A LIST OF THIS SO WE CAN START WORKING ON INDIVIDUAL ITEMS FOR COST ESTIMATES. THIS NEED FURTHER STUDY.