



## Startup Procedure

1. Turn on power.
2. Turn on Compressor. Wait for compressor to completely charge up and light on Control Panel to go off.
3. Open water Valve at Boost water pump
4. Start GBT and Belt Press belts
5. Turn boost water pump (120psi per spray bar).
  - a. allow belts 15 minutes to get good and wet.
6. Turn on auger.
  - a. Grease hanger bearing.
7. Turn on power on poly system (adjust flow meter to 10 gpm water 60psi only).
  - a. Allow 10seconds for pump to start up.
8. Turn on sludge.
  - a. Adjust sludge pump to achieve desired flow.
  - b. Adjust poly to achieve proper dosing.
  - c. DO NOT adjust sludge and poly at the same time.
  - d. Allow a minimum of 5 minutes between changes.
    - i. If change did not work, undo as soon as it's noticed and try again.

9. Optimize sludge and polymer until belts in gravity zone are about 70% full in width. Remember roller belts will squeeze material to a wider depth.
10. Check cake solids as they fall off the belt and into auger assembly.
  - a. If cake is sticking to belts reduce polymer slightly in 3-4 minute increments until cake falls freely from belts with minimal to no residual solids on belts.
  - b. If cake solids are too wet, add polymer slightly in 3-4 minute increments until cake solids fall freely from belts with minimal to no residual solids on belts.
  - c. Throughout the day minor adjustments will need to be made as the feed solids will probably not stay consistent throughout the day.
11. FINAL NOTE – solids I tested in lab were pre-conditioned so they already are thickened and have polymer in them so start with very small dosage of polymer to just reconstitute solids for pressing.



## Weekly Maintenance

1. Grease all bearings.
  - a. 17 on each side.
2. Grease end bearing on auger (over box at end of screw).
3. Grease yokes (2 on each side located at the pivot point of each tension rollers).
4. Rinse down press, if needed.
5. See daily maintenance.



## Daily Maintenance

1. Inspect pipes, pans, and hoses for leaks.
2. Rinse any clogged drains to free flow.
3. Inspect hydraulic lines and cylinders for leaks.
4. Inspect belts for rips, tears, etc.
5. Grease hanger bearing, if needed. (If it makes noise it needs grease.)
6. Rinse press, as needed.
7. Inspect all conduit for breaks and exposed wire, etc.



## Shut Down Procedure

1. Turn off sludge pump.
2. Allow flow to drop on gray line display, then shut off poly skid.
3. Allow all sludge to clear.
  - a. Belt clear and auger clear
  - b. Turn off auger
4. Allow belts to wash down for 30 minutes.
  - a. Use water hose to assist clean framing, rinse out pans, etc.
5. Turn off boost water pump
6. Turn off belts
7. Turn off compressor
8. Turn off power
9. Close water at boostwater pump.

I acknowledge I have been trained in all aspects of Startup procedures, Maintenance and Shutdown procedures. And I am aware of videos provided to SRCSD officials for review.

Operator name: \_\_\_\_\_ Signature \_\_\_\_\_  
Aspen Trainer \_\_\_\_\_ Signature \_\_\_\_\_