

6. BFP Conveyor system – Verify that the conveyor system is ready to run.
7. Solids Disposal system – Verify that the dump truck that the solids is going to be discharged into is in position under the conveyor discharge point and ready to receive solids.

Manual Mode Startup and Shutdown of Dewatering System:

1. Notify pertinent personnel that the dewatering system is going to be operated.
2. Select which dewatering systems will be operated (1, 2 or both). Collect appropriate sample bottles from lab for filtrate, liquid sludge, and sludge cake samples. Get clipboard with blank Belt Press Operation report sheet on it from Asst. Supt.'s office.
3. Go downstairs to sludge pump room and reset flow totalizers.
4. Determine if there is sufficient polymer on hand to process the quantity of sludge desired to be dewatered.
5. Check all subsystems are ready to operate properly as outlined in the Pre-startup section above.
6. Use the human machine interface (HMI) touch screen and touch Manual Mode and the Manual light will illuminate.
7. Subsystems must be manually started in correct order.
8. Turn the hydraulic system on first.
9. Wait 10-15 seconds for the hydraulic pressure to build up and tension the belts properly
10. Start the conveyor system and check it for proper operation.
11. Start the pressure section of the BFP and check it for proper operation.
12. Start the gravity section of the BFP and check it for proper operation
13. Start the feedbox and check it for proper operation.
14. Open wash water valve.
15. Start the wash water booster pump and check for proper operation.
16. Allow belts to run for 5 min. before running sludge, to allow them to be fully wet.
17. Turn polymer feed system on, allow to run for 15 sec., then turn on sludge pump
18. Set the desired sludge flow rate by inputting the flow on the HMI screen.
19. Adjust the polymer speed/dosage rate to produce adequate water to floc separation without overdosing using the HMI screen.
20. Close the feedbox drain to direct the sludge to the feedbox and onto the gravity belt.