

PM / Template: 5421WTP1MMS003 Monthly Lime System Equipment Switching

Checklist

- 1 Use attached sheet to determine switching sequence
- 2 On the slurry dosing system panel, select which slurry loop you are using.
- 3 On slurry dosing panel, Select Slurry Aging Tank you will use according to Slaker that will be used
- 4 At the appropriate Slaker HMI Panel, Login to the Unit. Operator Password 1,2,3,4,
- 5 Go to Main Menu and select System
- 6 Select Controls- Check Slaker Tank, Slurry Tank and Dosing Points are all in off position
- 7 Go to Control Screen and Select Slaker Tank
- 8 Mode of Operation- Select Auto for Slaking and touch Slaker Start to start batching
- 9 Check temp desired is at 185 ° F
- 10 Check % Concentration Desired Value is set unless a change needs to be made
- 11 Only increase the concentration by 1% at a time. Increasing concentration more may lead to clogging
- 12 If higher concentration is desired, wait for slaker to make at least 1 batch at new concentration
- 13 If needed, repeat 1% increase as necessary, allowing 1 batch between increases in concentration
- 14 Under Operating Method select Non-Stop for normal operation
- 15 Press the More button on the left bottom corner of the screen
- 16 Check that setting for "Services" or "Heated" remains on "Heated"
- 17 Check Slaking time is set to 20 Minutes
- 18 Monitor Slaker HMI Screen. When Slaker is done batching and "Full" Screen will flash "Full"
- 19 Check SAT Tank has 1400 to 1500 Gallons in the tank.
- 20 If SAT tank is empty, take Slaker Tank out of "AUTO" and into "Manual" , start mixer for SAT Tank.
- 21 Select the Slaker Discharge Valve for the SAT tank to be used and press "Open" button to discharge
- 22 After Tank is "Empty", reclose the discharge valve.
- 23 Put mode of operation back into "Auto" to start batching at this point.
- 24 On Slaker HMI Panel go into "Controls" screen of the "Main Menu"
- 25 Select which Sat Tank is to be used.
- 26 For normal operation; ensure Mixer Motor is in "Auto"
- 27 Ensure Grit Conveyor is in "Auto"
- 28 Ensure Fine Grit Classifier is in "Auto"
- 29 Ensure Loop Pump (Central, East or Both as needed) are in "Auto"
- 30 Return to "Controls" and Select the Dosing Points for the Slurry Tank
- 31 Each Dosing assembly is dedicated to its own slurry tank. Verify appropriate loop pump is active.
- 32 For normal operation, the dosing assembly should be in "Dose" mode
- 33 Enter the desired dose in the "Dose Rate Desired" Box
- 34 Make certain the "Cleaning Interval is set properly. 60 seconds for Central plant and East Plant
- 35 Ensure "Cleaning Duration" is set properly. 30 Seconds for Central Plant, 45 seconds for East Plant
- 36 Place Dosing into "Auto"