

11. Interlock Table

| Unit | | | | CE T7" | | AE T9" | | Mixed Bed Polisher "T11" (D1100 x H2440) | | | | | | | | | | | | | | | | | | | | Equipment | | | | Operating Data | | | | | | | |
|---------------|-------------------|------------|--------------|---|----------------|---------------|---------------|--|---------------------|----------------|----------------------|----------------|-----------------|---------------|-----------------|-------------|--------------|------------------|------------------|----------------|------------------|--------------|--------------------|------------------------|------------------|-----------------|------------------------|----------------------|---------------------|----------------|---------------------|--------------------|-------------------|-------------------|-------------------|--------------------|--------------------|------|---|
| Valve Name | Valve No. | Valve Size | Process Step | Service Inlet | Service Outlet | Sodium Sample | Service Inlet | Service Outlet | Conductivity Sample | Service Outlet | Recirculation Outlet | Backwash Inlet | Backwash Outlet | Caustic Inlet | Collector Drain | Rinse Inlet | Rinse Outlet | Mixing Air inlet | Blower Air Bleed | Plate Air Beed | E5. Motive Water | Arid Suction | Arid Diluten Water | Backwash Water Control | E6. Motive Water | Caustic Suction | Caustic Dilution Water | Hot Water Tank Inlet | Conductivity Sample | Raw Water Pump | Degassed Water Pump | Degasifier Air Fan | Regeneration Pumo | Mixing Air Blower | Flow Rate (m3/hr) | Time (min) | Water REQ'D (m3/c) | | |
| | | | | C6 | C8 | C26 | A4 | A6 | A26 | MB2 | MB6 | MB12 | MB14 | MB16 | MB20 | MB10 | MB8 | MB22 | V32 | MB24 | AR21 | AR17 | AR22 | AR23 | CR15 | CR13 | CR16 | V50 | MB32 | P1, P2 | P12, P13 | DF1, DF2 | P16, P17 | B3, B4 | | | | | |
| Recirculation | | | | x | x | x | O | O | O | x | O | x | O | x | O | x | x | x | x | O | x | x | x | x | x | x | x | x | x | x | x | O | O | x | x | x | x | 51 | - |
| Service | | | | O | O | O | O | O | O | O | x | x | x | x | x | x | x | x | x | O | x | x | x | x | x | x | x | x | x | x | O | O | x | x | x | x | 51 | - | |
| Regeneration | 1. Backwash | | | x | x | x | x | x | x | x | x | O | O | x | x | x | x | x | O | x | x | x | x | O | x | x | x | x | x | x | x | x | x | O | x | 9 | 10 | 1.50 | |
| | 2. Settling | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | O | x | x | x | x | O | x | x | x | x | x | x | x | x | x | x | x | - | 5 | - | |
| | 3. Injection | | | x | x | x | x | x | x | x | x | O | x | O | O | x | x | x | O | x | O | O | x | O | x | O | x | x | x | x | x | x | x | O | x | 2.85 ↓ 4.10 ↑ | 30 | 3.48 | |
| | 4. Displacement | | | x | x | x | x | x | x | x | x | O | x | O | O | x | x | x | O | x | O | x | x | O | x | O | x | x | x | x | x | x | x | O | x | 2.70 ↓ 4.00 ↑ | 30 | 3.35 | |
| | 5. Rinse | | | x | x | x | x | x | x | x | x | O | x | O | O | x | x | x | O | x | O | x | O | x | O | x | O | x | x | x | x | x | x | O | x | 15.00 ↓ 10.00 ↑ | 20 | 8.33 | |
| | 6. Drain | | | x | x | x | x | x | x | x | x | x | O | x | O | x | O | x | O | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | - | 10 | - | |
| | 7. Mixing | | | x | x | x | x | x | x | x | x | x | O | x | x | x | x | x | O | x | x | x | x | x | x | x | x | x | x | x | x | x | x | O | 73.6 Nm3/hr | 5 | - | | |
| | 8. Settling | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | O | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | - | 5 | - | |
| | 9. Fill - Up | | | x | x | x | x | x | x | x | x | x | O | x | x | O | x | x | O | O | x | x | O | O | x | x | x | x | x | O | x | O | x | x | O | x | - | 10 | - |
| | 10. Recirculation | | | x | x | x | O | O | O | x | O | x | x | x | x | x | x | x | O | x | x | x | x | x | x | x | x | x | O | x | O | x | x | x | x | 51.0 | 10 | - | |
| Stand-by | | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | O | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | - | - | - | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 135 | 16.66 | | |
| ⊗ NOTE | | | | <input type="radio"/> : Valve Open or Pump Run | | | | | | | | | | | | | | | | | | | | | | | Resin Volume | | Regenerant | | concentration | | | | | | | | |
| | | | | <input type="checkbox"/> : Valve Close or Pump Stop | | | | | | | | | | | | | | | | | | | | | | | Cation | | 550 l | | 84kg (46) 98% H2SO4 | | 4% | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Anion | | 550 l | | 110kg (76) 45% NaOH | | 4% | | | | | | |

[illegible]