

E2 Motor Control Centers Checklist	Maintenance Task	Maintenance Frequency			
		Daily	Weekly	Monthly	Annually
MCC Panel	Check MCC incomer voltage and current using selector switch. Check alarms status of indicator LED for proper operation. Check switches and sockets for signs of deterioration and abnormality.		X		
Overall Visual Inspection	Complete overall visual inspection to be sure all equipment is operating and safety systems are in place. Check compartment and incomer door interlocks for correct operation, take remedial action if necessary. Check function of push buttons. Check Circuit Breaker charging. Check operation of electrical motors, pumps, compressors by starting and stopping each unit. Note cycling operation of pump motor sets & report.			X	
MCC Condition	Visually check for signs of wiring or component overheating, investigate underlying fault, eliminate cause and renew damaged wiring and components within compartments for tightness. Inspect contactor and relay contacts for signs of wear and general deterioration, clean or renew. Check the settings of timing and protection relays. Check meters to ensure correct operation and zero positioning. Check for blown fuses and indicating lamps, establish reason for failure.			3	
	Examine starter contacts and motor carbon brushes and replace as required. Check operation of each control circuit loop.			6	
Check Lubrication	Apply proprietary lubricant on Circuit Breaker contacts. Grease the swivel castors and straddle roller bearings of ACB handling truck.			6	
Air Circuit Breakers	Change the hydraulic oil of ACB handling truck.			X	
Busbars	Wipe clean all bus bars, insulators and barriers to remove accumulated dirt. Check all bus bar joints and supports for tightness using a torque wrench.				X
Operation Check	Inspect doors and ensure that panel IP rating is safe guarded. Open and close the ACB breaker, locally and remotely using the different auxiliaries. Test operational of Control sequence and interlocks of air circuit breakers. Test protection relays in accordance with O&M Manuals. Check the settings of timing relays, overload relay, magnetic and thermal protection of circuit breakers etc.				X