

5300EWF1EME001 Annual Wellfield PM M,MR 1-20 Motor Megger, Voltages, Amps and Padmount Transformer

Checklist

- 1 Perform and record testing results of Motor meg testing (A to Ground, B to Ground and C to Ground)
- 2 Perform and record testing results of Motor meg testing (A-B, A-C, and B-C)
- 3 Check electrical connectors for tightness.
- 4 Collect and record motor hour reading at the time of testing
- 5 Check and record the motor voltage reading on A&B, B&C, and A&C
- 6 Check and record the motor voltage readings Ground to A, Ground to B and Ground to C
- 7 Check and record the motor Amp reading on A, B, and C
- 8 Check and record the motor temperature
- 9 Check electrical connectors for tightness.
- 10 Check vibration, noise level, the surface temperature at the bearings Confirm satisfactory operate
- 11 De-energize the transformer
- 12 Use the lock-out/tag-out procedures.
- 13 Check the transformer tank, radiators, and bushings for leaks.
- 14 Check the liquid temperature and level. Add the proper liquid as required.
- 15 Check, clean dirty bushings, surge arrestors with a clean, dry cloth, replace any corroded hardware.
- 16 Check the torque on all electrical connections including the ground connections tighten as necessary
- 17 Check transformer enclosure integrity hinges-locking provisions-corrosion-tilt-etc.
- 18 Checks arrestors-connections-oil temp LO-oil temp HI-liquid level-vac. PSI
- 19 If needed repair of any leaks found refer to O&M Manual Liquid Leaks on page 33
- 20 Repair and repaint any damaged or corroded areas on the tank O&M Exterior Finish on page 33
- 21 Replace any damaged or unreadable safety labels.
- 22 Checks arrestors-connections-oil temp LO-oil temp HI-liquid level-vac.psi
- 23 Create a new work order for any needed and or repairs made during the PM work order was completed
- 24 Complete excel record data form and compare the reading for PM(S) Megger, Voltage, Amp, Transformers