



ATTACHMENT TO LER#82-101/01X-1

SUPPLEMENT TO CAUSE DESCRIPTION

INVESTIGATION REVEALED THAT THE MOTOR OPERATED VALVE WMO-753 AND THE EXHAUST FAN 1-HV-AFP-T2 FOR THE TURBINE DRIVEN AUXILIARY FEED PUMP ROOM WERE OPERATING IN A REVERSED MANNER. THIS RESULTED IN THE VALVE MOTOR BEING DAMAGED. THE CAUSE OF THE MOTOR AND THE FAN OPERATING BACKWARDS WAS FOUND TO BE AN INSTALLATION ERROR WHICH OCCURRED DURING THE REPLACEMENT OF A FEEDER CABLE CAUSING THE PHASING TO BE INCORRECT. THIS ERROR REMAINED UNDETECTED DUE TO THE METHOD OF SUBSEQUENT RETESTING PERFORMED.

THE DESIGN CHANGE COORDINATOR AND THE ELECTRICAL FIELD ENGINEER, INVOLVED WITH THE CABLE CHANGE, WERE AWARE OF THE IMPORTANCE OF PROPER PHASING. THE ELECTRICAL FIELD ENGINEER DID VERIFY WHAT HE THOUGHT WAS THE CORRECT ROTATION ON THE EXHAUST FAN 1-HV-AFP-T2.

THE MOTOR FOR WMO-753 WAS REPLACED, AND THE PHASING CORRECTED. THE EQUIPMENT WAS TESTED, VERIFIED TO BE OPERATING CORRECTLY AND RETURNED TO SERVICE. TO PREVENT A RECURRENCE, PORTIONS OF THE EXISTING MAINTENANCE PROCEDURES 12 MHP 5021.082.004 "CABLE REPLACEMENT" AND 12 MHP 5021.082.005 "NEW INSTALLATION OF CABLES," HAVE BEEN ADDED TO THE ELECTRICAL CONTRACTOR QA/QC MANUAL. THIS WILL ENSURE THAT THE INSTALLATION PROCEDURES OF NEW OR EXISTING CABLES WILL BE UNIFORM BETWEEN PLANT PERSONNEL AND THE SITE CONTRACTORS.