

ENCLOSURE 1

BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2
NRC DOCKETS 50-325 & 50-324
OPERATING LICENSES DPR-71 & DPR-62
BASES CHANGE - EMERGENCY DIESEL GENERATOR SURVEILLANCE
(NRC TAC NOS. 76089/76090)

TECHNICAL SPECIFICATION PAGES

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3/4.8 ELECTRICAL POWER SYSTEMS

BASES

The OPERABILITY of the A.C. and D. C. power sources and associated distribution systems during operation ensures that sufficient power will be available to supply the safety-related equipment required for 1) the safe shutdown of the facility and 2) the mitigation and control of accident conditions within the facility. The minimum specified independent and redundant A.C. and D.C. power sources and distribution systems satisfy the requirements of General Design Criteria 17 of Appendix "A" to 10 CFR 50.

The ACTION requirements specified for the levels of degradation of the power sources provide restriction upon continued facility operation commensurate with the level of degradation. The OPERABILITY of the power sources is consistent with the initial condition assumptions of the accident analyses and is based upon maintaining at least one of each of the onsite A.C. and D.C. power sources and associated distribution systems OPERABLE during accident conditions coincident with an assumed loss of offsite power and single failure of the other onsite A.C. source.

The OPERABILITY of the minimum specified A.C. and D.C. power sources and associated distribution systems during shutdown and refueling ensures that 1) the facility can be maintained in the shutdown or refueling condition for extended time periods and 2) sufficient instrumentation and control capability is available for monitoring and maintain the facility status.

The requirement of Specification 4.8.1.1.1.b to demonstrate the operability of the independent circuits between the offsite transmission network and the onsite Class 1E distribution system may be satisfied by transferring unit loads from the unit auxiliary transformer (UAT) to the start-up auxiliary transformer (SAT). The requirement to perform this demonstration "during shutdown" implies that this testing may be performed by the normal power switching evolutions during unit shutdown or while shutdown.

The requirement of Specification 4.8.1.1.2.d to demonstrate the OPERABILITY of each diesel generator at least once per 18 months during shutdown may be satisfied by performing the required surveillances on diesel generators number 1 and 2 while Brunswick Unit 1 is shutdown, and diesel generators number 3 and 4 while Brunswick Unit 2 is shutdown. While performing the required surveillances of a given diesel generator, the loads associated with that diesel generator are subject to the Limiting Condition for Operation requirements for each system or component that obtains its emergency power from that diesel generator.

3/4.8 ELECTRICAL POWER SYSTEMS

BASES

The OPERABILITY of the A.C. and D. C. power sources and associated distribution systems during operation ensures that sufficient power will be available to supply the safety-related equipment required for 1) the safe shutdown of the facility and 2) the mitigation and control of accident conditions within the facility. The minimum specified independent and redundant A.C. and D.C. power sources and distribution systems satisfy the requirements of General Design Criteria 17 of Appendix "A" to 10 CFR 50.

The ACTION requirements specified for the levels of degradation of the power sources provide restriction upon continued facility operation commensurate with the level of degradation. The OPERABILITY of the power sources is consistent with the initial condition assumptions of the accident analyses and is based upon maintaining at least one of each of the onsite A.C. and D.C. power sources and associated distribution systems OPERABLE during accident conditions coincident with an assumed loss of offsite power and single failure of the other onsite A.C. source.

The OPERABILITY of the minimum specified A.C. and D.C. power sources and associated distribution systems during shutdown and refueling ensures that 1) the facility can be maintained in the shutdown or refueling condition for extended time periods and 2) sufficient instrumentation and control capability is available for monitoring and maintain the facility status.

The requirement of Specification 4.8.1.1.1.b to demonstrate the operability of the independent circuits between the offsite transmission network and the onsite Class 1E distribution system may be satisfied by transferring unit loads from the unit auxiliary transformer (UAT) to the start-up auxiliary transformer (SAT). The requirement to perform this demonstration "during shutdown" implies that this testing may be performed by the normal power switching evolutions during unit shutdown or while shutdown.

The requirement of Specification 4.8.1.1.2.d to demonstrate the OPERABILITY of each diesel generator at least once per 18 months during shutdown may be satisfied by performing the required surveillances on diesel generators number 1 and 2 while Brunswick Unit 1 is shutdown, and diesel generators number 3 and 4 while Brunswick Unit 2 is shutdown. While performing the required surveillances of a given diesel generator, the loads associated with that diesel generator are subject to the Limiting Condition for Operation requirements for each system or component that obtains its emergency power from that diesel generator.