

Attachment 1

Pages Affected by Proposed Amendment No. 69A

Pages TS 3.7-1 and TS 3.7-2

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3.7 . . AUXILIARY ELECTRICAL SYSTEMS

Applicability

Applies to the availability of electrical power for the operation of plant auxiliaries.

Objective

To define those conditions of electrical power availability necessary to provide 1) safe reactor operation and 2) continuing availability of engineered safety features.

Specification

- a. The reactor shall not be made critical unless all of the following requirements are satisfied:
 1. The Reserve Auxiliary Transformer is fully operational and energized to supply power to the 4160-V buses.
 2. A second external source of power is fully operational and energized to supply power to emergency buses 1-5 and 1-6.
 3. The 4160-V buses 1-5 and 1-6 are both energized.
 4. The 480-V buses 1-52 and 1-62 and their MCC's are both energized from their respective station service transformers.
 5. The 480-V buses 1-51 and 1-61 and their MCC's are both energized from their respective station service transformers.
 6. Both station batteries and both DC systems are operable, except during testing and surveillance as described in Specification 4.6.b.
 7. Both diesel generators are operable, and a fuel supply of 33,300 gallons is available in the underground storage tank and an 8-hour supply will be in the diesel fuel oil day tanks (seven days supply for one diesel generator at full load).
 8. At least one pair of physically independent transmission lines serving the substation is operable. The three pairs of physically independent transmission lines are:
 - i) R-304 and Q-303
 - ii) F-84 and Y-51
 - iii) R-304 and Y-51

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b. During power operation or recovery from inadvertent trip, any of the following conditions of inoperability may exist during the time intervals specified. If operability is not restored within the time specified, then within 1 hour action shall be initiated to achieve hot standby within the next 6 hours.

1. Either Auxiliary Transformer may be out of service for a period not exceeding 7 days provided the other Auxiliary Transformer and both diesel generators are operable.
 2. ONE diesel generator may be inoperable for a period not exceeding 7 days provided the other diesel generator is tested daily to ensure operability and the engineered safety features associated with this diesel generator are operable.
 3. ONE battery may be inoperable for a period not exceeding 24 hours provided the other battery and two battery chargers remain operable with one charger carrying the d-c supply system.
 4. If the conditions in TS 3.7.a.8 cannot be met, power operation may continue for up to 7 days provided at least two transmission lines serving the substation are operable.
 5. Three off site power supply transmission lines may be out of service for a period of 7 days provided reactor power is reduced to 50% of rated power and the two diesel generators shall be tested daily for operability.
 6. One 4160V or 480V Engineered Safety Features bus may be out of service for 24 hours provided the redundant bus and its loads remain operable.
- c. When its normal or emergency power source is inoperable, a system, train or component may be considered operable for the purpose of satisfying the requirements of its applicable limiting condition for operation, provided:
1. Its corresponding normal or emergency power source is operable; and
 2. Its redundant system, train or component is operable.

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Basis

The intent of this specification is to provide assurance that at least one external source and one standby source of electrical power is always available to accomplish safe shutdown and containment isolation and to operate required engineered safety features equipment following an accident.