

SALEM GENERATING STATION UNIT NOS. 1 AND 2
FACILITY OPERATING LICENSES DPR-70 AND DPR-75
DOCKET NOS. 50-272 AND 50-311
CHANGE TO TECHNICAL SPECIFICATIONS
ESF RESPONSE TIME TABLE MODIFICATION

TECHNICAL SPECIFICATION PAGES WITH PROPOSED CHANGES

The following Technical Specifications for Facility Operating License No. DPR-70 are affected by this change request:

| <u>Technical Specification</u> | <u>Page</u> |
|--------------------------------|-------------|
| Table 3.3-5 | 3/4 3-27 |
| Table 3.3-5 Table Notation | 3/3 3-31 |

The following Technical Specifications for Facility Operating License No. DPR-75 are affected by this change request:

| <u>Technical Specification</u> | <u>Page</u> |
|--------------------------------|-------------|
| Table 3.3-5 | 3/4 3-28 |
| Table 3.3-5 Table Notation | 3/3 3-32 |

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TABLE 3.3-5

ENGINEERED SAFETY FEATURES RESPONSE TIMES

| <u>INITIATING SIGNAL AND FUNCTION</u> | <u>RESPONSE TIME IN SECONDS</u> |
|---------------------------------------|---------------------------------|
| 1. <u>Manual</u> | |
| a. Safety Injection (ECCS) | Not Applicable |
| Feedwater Isolation | Not Applicable |
| Reactor Trip (SI) | Not Applicable |
| Containment Isolation-Phase "A" | Not Applicable |
| Containment Ventilation Isolation | Not Applicable |
| Auxiliary Feedwater Pumps | Not Applicable |
| Service Water System | Not Applicable |
| Containment Fan Cooler | Not Applicable |
| b. Containment Spray | Not Applicable |
| Containment Isolation-Phase "B" | Not Applicable |
| Containment Ventilation Isolation | Not applicable |
| c. Containment Isolation-Phase "A" | Not Applicable |
| Containment Ventilation Isolation | Not Applicable |
| d. Steam Line Isolation | Not Applicable |
| 2. <u>Containment Pressure-High</u> | |
| a. Safety Injection (ECCS) | ≤27.0(1) |
| b. Reactor Trip (from SI) | ≤2.0 |
| c. Feedwater Isolation | ≤10.0 |
| d. Containment Isolation-Phase "A" | ≤17.0(2)/27.0(3) |
| e. Containment Ventilation Isolation | Not Applicable |
| f. Auxiliary Feedwater Pumps | ≤60 |
| g. Service Water System | ≤13.0(2)/45.0(3) |
| h. Containment Fan Coolers | ≤45.0 60.0 |

TABLE NOTATION

- (1) Diesel generator starting and sequence loading delays included. Response time limit includes opening of valves to establish SI path and attainment of discharge pressure for centrifugal charging pumps, SI and RHR pumps.
- (2) Diesel generator starting and sequence loading delays not included. Offsite power available. Response time limit includes opening of valves to establish SI path and attainment of discharge pressure for centrifugal charging pumps.
- (3) Diesel generator starting and sequence loading delays included. Response time limit includes opening of valves to establish SI path and attainment of discharge pressure for centrifugal charging pumps.
- (4) On 2/3 in any steam generator.
- (5) On 2/3 in 2/4 steam generators.
- (6) The response time is the time the isolation circuitry input reaches the isolation setpoint to the time the Isolation Valves are fully shut.
- (7) The response time includes the time to automatically align service water flow to the CFCU's following an accident coincident with a loss of offsite power, and also includes the time delays associated with isolation of the Turbine Generator Area service water header.

TABLE 1.1-5

ENGINEERED SAFETY FEATURES RESPONSE TIMES

INITIATION SIGNAL AND FUNCTION

RESPONSE TIME IN SECONDS

1. MANUAL

| | |
|------------------------------------|----------------|
| a. Safety Injection (SCCS) | Not Applicable |
| Feedwater Isolation | Not Applicable |
| Reactor Trip (SI) | Not Applicable |
| Containment Isolation-Phase "A" | Not Applicable |
| Containment Ventilation Isolation | Not Applicable |
| Auxiliary Feedwater Pumps | Not Applicable |
| Service Water System | Not Applicable |
| Containment Fan Cooler | Not Applicable |
| b. Containment Spray | Not Applicable |
| Containment Isolation-Phase "B" | Not Applicable |
| Containment Ventilation Isolation | Not applicable |
| c. Containment Isolation-Phase "A" | Not Applicable |
| Containment Ventilation Isolation | Not Applicable |
| d. Steam Line Isolation | Not Applicable |

2. Containment Pressure-Rise

| | |
|--------------------------------------|---|
| a. Safety Injection (SCCS) | ≤ 27.0 ⁽¹⁾ |
| b. Reactor Trip (from SI) | ≤ 2.0 |
| c. Feedwater Isolation | ≤ 10.0 |
| d. Containment Isolation-Phase "A" | ≤ 17.0 ⁽²⁾ / 27.0 ⁽³⁾ |
| e. Containment Ventilation Isolation | Not Applicable |
| f. Auxiliary Feedwater Pumps | ≤ 60 |
| g. Service Water System | ≤ 11.0 ⁽²⁾ / 45.0 ⁽³⁾ |
| h. Containment Fan Coolers | ≤ 45.0 60.0 |

TABLE NOTATION

- (1) Diesel generator starting and sequence loading delays included. Response time limit includes opening of valves to establish SI path and attainment of discharge pressure for centrifugal charging pumps, SI and RHR pumps.
- (2) Diesel generator starting and sequence loading delays not included. Offsite power available. Response time limit includes opening of valves to establish SI path and attainment of discharge pressure for centrifugal charging pumps.
- (3) Diesel generator starting and sequence loading delays included. Response time limit includes opening of valves to establish SI path and attainment of discharge pressure for centrifugal charging pumps.
- (4) On 2/3 in any steam generator.
- (5) On 2/3 in 2/4 steam generators.
- (6) The response time is the time the isolation circuitry input reaches the isolation setpoint to the time the Isolation Valves are fully shut.
- (7) The response time includes the time to automatically align service water flow to the CFCU's following an accident coincident with a loss of offsite power, and also includes the time delays associated with isolation of the Turbine Generator Area service water header.