



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SOUTHERN CALIFORNIA EDISON COMPANY AND

SAN DIEGO GAS AND ELECTRIC COMPANY

DOCKET NO. 50-206

SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 1

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 44
License No. DPR-13

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The facility will operate in conformity with the license amendment, the provisions of the Atomic Energy Act of 1954, as amended (the Act), and the rules and regulations of the Commission;
 - B. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - C. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - D. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and by changing paragraph 3.B and adding paragraph 3.H to Provisional Operating License No. DPR-13 to read as follows:

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B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 44, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

H. Fire Protection

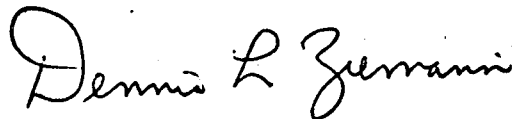
The licensee may proceed with and is required to complete the modifications identified in Paragraphs 3.1.1 through 3.1.17 of the NRC's Fire Protection Safety Evaluation (SE), dated July 19, 1979 for the facility. These modifications will be completed in accordance with the schedule in Table 3.1 of the SE and supplements thereto.

In addition, the licensee shall submit the additional information identified in Table 3.2 of this SE in accordance with the schedule contained therein. In the event these dates for submittal cannot be met, the licensee shall submit a report, explaining the circumstances, together with a revised schedule.

The licensee is required to implement the administrative controls identified in Section 6 of the SE. The administrative controls shall be in effect within 90 days from the date of issuance of this amendment.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance. 7/19/79

ATTACHMENT TO LICENSE AMENDMENT NO. 44

PROVISIONAL OPERATING LICENSE NO. DPR-13

DOCKET NO. 50-206

Revise Appendix A Technical Specifications and Bases by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by the captioned amendment number and contain vertical lines indicating the area of change.

REMOVE

39i
39j
60L
60m
72

INSERT

39i
39j
60L
60m
72

7108170

3.14

Fire Protection Systems Operability

Applicability:

Applies to the operating status of the fire detection and extinguishing systems and equipment at all times.

Objective:

To ensure availability of fire protection systems.

Specifications:

A. As a minimum, the following fire detection and extinguishing systems and equipment shall be operable:

(1) The Fire Suppression Water System¹ with:

- a. Any two of the following four pumps operable each with a capacity of 1000 gallons per minute with their discharge aligned to the fire main:
 1. San Onofre Unit 1 fire water pumps (2)
 2. San Onofre Units 2 and 3 motor-driven fire water pumps (2)
- b. With San Onofre Unit 1 fire water pumps satisfying the pump requirement, the San Onofre Unit 1 service water reservoir supply available containing a minimum of 300,000 gallons reserved for fire fighting.
- c. With San Onofre Units 2 and 3 fire pumps satisfying the pump requirement, the San Onofre Units 2 and 3 service and fire water storage tanks available with 300,000 gallons reserved for fire fighting.
- d. With a combination of the four pumps satisfying the pump requirement, the separate water supplies for each pump(s) available as indicated in A(1)b, and A(1)c above.

4.15

Fire Protection Systems Surveillance

Applicability: Applies to the surveillance of fire detection and extinguishing systems and equipment.

Objective: To ensure the operability of fire detection and extinguishing systems and equipment.

Specifications: A. The Fire Suppression Water System¹ shall be demonstrated to be operable.

- (1) With the San Onofre Unit 1 fire water pumps satisfying the pump requirements of Technical Specification 3.14.A(1), at least once per seven days by verifying the water supply volume in the San Onofre Unit 1 Service Water Reservoir. With the San Onofre Units 2 and 3 fire water pumps satisfying the pump requirements of Technical Specification 3.14.A(1), by initially verifying the water supply volume in the San Onofre Units 2 and 3 service and firewater storage tanks and at least once per seven days thereafter.
- (2) At least once per 31 days on a staggered test basis by starting each pump satisfying the pump requirements of Technical Specification 3.14.A(1) and operating it for at least fifteen minutes.
- (3) At least once per thirty one days by verifying that each valve (manual, power operated or automatic is in its correct position. For valves located inside the containment sphere, verification shall be made consistent with the 31-day requirement when possible during available plant outages or during containment entrances for other reasons.
- (4) At least once per 12 months by cycling each testable valve through one complete cycle of full travel.
- (5) At least once per 18 months by performing a system functional test which includes simulated actuation of the system, and:
 - a. Verifying that each valve in the flow path is in its correct position,
 - b. Verifying that each pump develops at least 90% of the flow and head at some point on the manufacturer's pump performance curves.

- c. Cycling each valve in the flow path that is not testable during plant operation through at least one complete cycle of full travel, and
 - d. Verifying that each pump starts to supply the fire suppression water system at ≥ 50 psia.
- (6) At least once per 36 months by performing flow tests of the system in accordance with Chapter 5, Section 11 of Fire Protection Handbook, 14th Edition, published by National Fire Protection Association.
- B. The Spray and/or Sprinkler Systems indicated in Technical Specification 3.14.A(2) shall be demonstrated to be operable:
- (1) At least once per 12 months by cycling each testable valve in the flow path through at least one complete cycle of full travel. For the valves located in the containment sphere, testing shall be performing consistent with the 12-month requirement when possible during available plant outages.
 - (2) At least once per 18 months:
 - a. By performing a system functional test which includes simulated automatic actuation of the system, and:
 - 1. Verifying that the automatic valves in the flow path actuate to their correct positions on a smoke and infrared test signal, and
 - 2. Cycling each valve in the flow path that is not testable during plant operation through at least one complete cycle of full travel.
 - b. By inspection of the spray headers to verify their integrity, and
 - (3) By inspection of each nozzle at least once every refueling outage to verify no blockage.
 - (4) At least once every second refueling outage by performing an air flow test through each accessible spray/sprinkler header and verifying that the spray/sprinkler nozzles are unobstructed.
- C. Each Fire Hose Station indicated in Table 3.14.1 shall be verified to be operable:

- b. At least one licensed Operator shall be at the controls when fuel is in the reactor.* During refueling operations this operator is permitted to step outside the red line to update the refueling status board.
- c. At least two licensed Operators shall be present in the control room during reactor startup, scheduled reactor shutdown and during recovery from reactor trips.** One of the two licensed Operators is permitted to be present in the Chemical Laboratory or the area around and behind the vertical instrumentation boards for short periods of time for the purpose of checking necessary instrumentation.
- d. An individual qualified in radiation protection supervision shall be on site when fuel is in the reactor.
- e. All core alterations after the initial fuel loading shall be directly supervised by a licensed Senior Reactor Operator.
- f. A Fire Brigade of at least five members shall be maintained on site at all times. This excludes members of the minimum shift crew necessary for safe shutdown of Unit 1 and any personnel required for other essential functions during a fire emergency.

6.2.3

Fire Protection Organizations

The responsibility for the operational Fire Protection Program at the San Onofre Nuclear Generating Station Unit 1 is vested in the Vice President of the Power Supply Department. The implementation of this program is delegated to staff and line organizations within the Power Supply Department as shown in Figure 6.2.3.1.

* "At the controls" means within the area bounded by the three vertical instrumentation boards and the red line on the floor of the control room.

** Reactor startup, reactor shutdown and recovery from reactor trips means operations between $k_{eff} = 0.99$ and the attainment of 5% indicated thermal power.