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

SACRAMENTO MUNICIPAL UTILITY DISTRICT

DOCKET NO. 50-312

RANCHO SECO NUCLEAR GENERATING STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 50
License No. DPR-54

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by Sacramento Municipal Utility District (the licensee) dated July 26, 1983, as supplemented by letters dated July 28 and 29, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;

   B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;

   C. 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;

   D. 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

   E. 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 paragraph 2.C.(2) of Facility Operating License No. DPR-54 is hereby amended to read as follows:

   (2) Technical Specifications

   The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 50, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION

John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: August 3, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 50

FACILITY OPERATING LICENSE NO. DPR-54

DOCKET NO. 50-312

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages as indicated. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

| Remove | Insert |
|---|---|
| 3-41a | 3-41a |
| 3-42 | 3-42 |

RANCHO SECO UNIT 1

TECHNICAL SPECIFICATIONS

TABLE 3.7-1

VOLTAGE PROTECTION SYSTEM RELAY TRIP VALUES

| UNDERVOLTAGE RELAYS | EQUIVALENT 4160 BUS VOLTS (VOLTS) | TIME DELAY (SECONDS) NOTES 2 & 3 |
|---|---|---|
| Trip Set Point | 3771 ±38 (Note 1) | |
| 98% of set point | 3695 | 8.2 ± 0.82 |
| 90% of set point | 3394 | 5.2 ± 0.52 |
| 70% of set point | 2640 | 3.1 ± 0.31 |
| 0% of set point | 0 | 1.5 ± 0.15 |
| **OVERVOLTAGE RELAYS** | **EQUIVALENT 4160 BUS VOLTS (VOLTS)** | **TIME DELAY (SECONDS) NOTE 2** |
| Trip Set Point | 4580 ±46 | |
| 102% of set point | 4672 | 7.2 ±0.72 |

NOTE 1 - The relay voltage values shown have been converted by the PT ratio (40:1) for review convenience.

NOTE 2 - For bus tripping an additional 0.5 time delay must be added.

NOTE 3 - The delay times shown are based on an initial bus voltage of 4160 volts.

Limiting Conditions for Operation

B. Both startup transformers shall be in service except that one will be sufficient if during the time one startup transformer is inoperable, a diesel generator is started and run continuously.

C. Both diesel generators shall be operable except that from and after the date that one of the diesel generators is made or found to be inoperable for any reason, reactor operation is permissible for the succeeding 15 days provided that during such 15 days the operable diesel generator shall be load tested daily and both startup transformers are available. If the diesel is not returned to service at the end of 15 days, the other diesel will be started and run with at least minimum load continuously for an additional 15 days. If at the end of the second 15 days the diesel is not returned to service, the reactor shall be brought to the cold shutdown condition within an additional 24 hours.

D. If the plant is separated from the system while carrying its own auxiliaries, or if all 220 KV lines are lost, continued reactor operation is permissible provided that one emergency diesel generator shall be started and run continuously until a transmission line is restored.

E. The essential nuclear service electrical buses, switchgear, load shedding, and automatic diesel start systems shall be operable except as provided in C above and as required for surveillance testing.

F. Nuclear service batteries are charged and in service except that one nuclear service battery may be removed from service for not more than 24 hours.

G. Both nuclear service buses are operable except that one nuclear service bus may be removed from service for not more than 24 hours provided that all equipment on the other nuclear service bus is operable.

H. If the switchyard voltage goes below 218KV, positive actions, within the District's procedures, will be implemented in an attempt to return the voltage to 218KV. If the switchyard voltage goes below 216KV or remains below 218KV for 8 hours, one electrical division will be operated on its diesel generator independent of off-site power. The other electrical division will be operated on off-site power with its associated diesel generator on standby status. The switchyard voltage must be returned to 218KV within the next 24 hours. Switchyard voltage above 218KV will allow unrestricted plant operation.

3.7.3 If both diesel generators become inoperable, the unit shall be placed in the cold shutdown condition.

3.7.4 The pressurizer shall be OPERABLE with at least 126 kw of pressurizer heaters. With the pressurizer inoperable due to inoperable emergency power supplies to the pressurizer heater either restore the inoperable emergency power supply within 72 hours or be in at least HOT STANDBY within the next 6 hours and in HOT SHUTDOWN within the following 12 hours.

3.7.5 The voltage protection system trip setting shall be as stated in Table 3.7-1.