SOUTHERN CALIFORNIA EDISON COMPANY

SAN DIEGO GAS AND ELECTRIC COMPANY

THE CITY OF RIVERSIDE, CALIFORNIA

THE CITY OF ANAHEIM, CALIFORNIA

DOCKET NO. 50-361

SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 24
License No. NPF-10

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

   A. The application for amendment to the license for San Onofre Nuclear Generating Station, Unit 2 (the facility) filed by the Southern California Edison Company on behalf of itself and San Diego Gas and Electric Company, The City of Riverside and The City of Anaheim, California (licensees) dated July 23, 1982, as supplemented by letters dated August 16, 1982, December 17, 1982, January 28, 1983, January 25, 1984 and April 13, 1984 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;

   B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the 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 set forth in 10 CFR Chapter I;

   D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public;

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. NPF-10 hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 24, are hereby incorporated in the license. SCE shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION

George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: SEP 24 1984

| DL:LB#3 | DL:LB#3 | OELD | DL:LB#3 |
|---|---|---|---|
| HRood/ch | JLee | GWKnighton | |
| 8/30/84 | 8/30/84 | 9/24/84 | 8/30/84 |

ATTACHMENT TO LICENSE AMENDMENT NO. 24

FACILITY OPERATING LICENSE NO. NPF-10

DOCKET NO. 50-361

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change. Also to be replaced are the following overleaf pages to the amended pages.

| Amendment Pages | Overleaf Pages |
|---|---|
| 3/4 3-33 | 3/4 3-34 |

TABLE 4.3-2 (Continued)

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION SURVEILLANCE REQUIREMENTS

| FUNCTIONAL UNIT | CHANNEL CHECK | CHANNEL CALIBRATION | CHANNEL FUNCTIONAL TEST | MODES FOR WHICH SURVEILLANCE IS REQUIRED |
|---|---|---|---|---|
| 11. FUEL HANDLING ISOLATION (FHIS) | | | | |
| a. Manual (Trip Buttons) | N.A. | N.A. | R | N.A. |
| b. Airborne Radiation | | | | |
| i. Gaseous | S | R | M | * |
| ii. Particulate/Iodine | S | R | M | * |
| c. Automatic Actuation Logic | N.A. | N.A. | R(3) | * |
| 12. CONTAINMENT PURGE ISOLATION (CPIS) | | | | |
| a. Manual (Trip Buttons) | N.A. | N.A. | R | N.A. |
| b. Airborne Radiation | | | | |
| i. Gaseous | (2) | (2) | (2) | All |
| ii. Particulate | (2) | (2) | (2) | All |
| iii. Iodine | (2) | (2) | (2) | All |
| c. Containment Area Radiation (Gamma) | S | R | M | 6 |
| d. Automatic Actuation Logic | N.A. | N.A. | R (3) | All |

TABLE NOTATION

(1) Each train or logic channel shall be tested at least every 62 days on a STAGGERED TEST BASIS.

(2) In accordance with Table 4.3-9 surveillance requirements for these instrument channels.

(3) Testing of Automatic Actuation Logic shall include energization/de-energization of each initiation relay and verification of the OPERABILITY of each initiation relay.

(4) A subgroup relay test shall be performed which shall include the energization/de-energization of each subgroup relay and verification of the OPERABILITY of each subgroup relay. Relays exempt from testing during plant operation shall be limited to only those relays associated with plant equipment which cannot be operated during plant operation. Relays not testable during plant operation shall be tested during each COLD SHUTDOWN exceeding 24 hours unless tested during the previous 6 months.

(5) Actuated equipment only; does not result in CIAS.

* With irradiated fuel in the storage pool.

## TABLE 3.3-6

## RADIATION MONITORING ALARM INSTRUMENTATION

| INSTRUMENT | MINIMUM CHANNELS OPERABLE | APPLICABLE MODES | ALARM SETPOINT | MEASUREMENT RANGE | ACTION |
|---|---|---|---|---|---|
| 1. Area Monitors | | | | | |
| a. Containment - High Range | 2 | 1, 2, 3 | 10 R/hr | $1-10^8$ R/hr | 18 |
| | | 4 | 10 R/hr | | 19 |
| b. Containment - Purge Isolation | 1 | 1, 2, 3, 4 | < 325 mR/hr | $10^{-1}-10^5$ mR/hr | 19 |
| | | 6 | # | | (a) |
| c. Main Steam Line | 1/line | 1, 2, 3 | 1 mR/hr (low); 1 R/hr (high) | $10^{-1}-10^4$ mR/hr; | 18 |
| | | 4 | 1 mR/hr (low); 1 R/hr (high) | | 19 |
| 2. Process Monitors | | | | | |
| a. Fuel Storage Pool Airborne | | | | | |
| i. Gaseous | 1 | * | # | $10^1-10^7$ cpm | (d) |
| ii. Particulate/Iodine | 1 | * | # | $10^1-10^7$ cpm | (d) |
| b. Containment Airborne | | | | | |
| i. Gaseous | 1 | All | Per ODCM | $10^1-10^7$ cpm | (a)(b)(c) |
| ii. Particulate | 1 | All | Per ODCM | $10^1-10^7$ cpm | (a)(b)(c) |
| iii. Iodine | 1 | All | Per ODCM | $10^1-10^7$ cpm | (a)(c) |
| c. Control Room Airborne | | | | | |
| i. Particulate/Iodine | 1 | All | # | $10^1-10^7$ cpm | (e) |
| ii. Gaseous | 1 | All | # | $10^1-10^7$ cpm | (e) |

SOUTHERN CALIFORNIA EDISON COMPANY

SAN DIEGO GAS AND ELECTRIC COMPANY

THE CITY OF RIVERSIDE, CALIFORNIA

THE CITY OF ANAHEIM, CALIFORNIA

DOCKET NO. 50-362

SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 13
License No. NPF-15

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

   A. The application for amendment to the license for San Onofre Nuclear Generating Station, Unit 3 (the facility) filed by the Southern California Edison Company on behalf of itself and San Diego Gas and Electric Company, The City of Riverside and The City of Anaheim, California (licensees) dated January 25, 1984, as supplemented by letter dated April 13, 1984 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;

   B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the 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 set forth in 10 CFR Chapter I;

   D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public;

c. 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. NPF-15 hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 13 , are hereby incorporated in the license. SCE shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION

George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: SEP 24 1984

| DL:LB#3 | DL:LB#3 | OELD | DL:LB#3 |
|---|---|---|---|
| HRood/ch | JLee | | GWKnighton |
| 8/30/84 | 8/30/84 | 9/14/84 | 8/30/84 |

ATTACHMENT TO LICENSE AMENDMENT NO. 13

FACILITY OPERATING LICENSE NO. NPF-15

DOCKET NO. 50-362

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change. Also to be replaced are the following overleaf pages to the amended pages.

| Amendment Pages | Overleaf Pages |
|---|---|
| 3/4 3-33 | 3/4 3-34 |

TABLE 4.3-2 (Continued)

ENGINEERED SAFETY FEATURES ACTUATION SYSTEM INSTRUMENTATION SURVEILLANCE REQUIREMENTS

| FUNCTIONAL UNIT | CHANNEL CHECK | CHANNEL CALIBRATION | CHANNEL FUNCTIONAL TEST | MODES FOR WHICH SURVEILLANCE IS REQUIRED |
|---|---|---|---|---|
| 11. FUEL HANDLING ISOLATION (FHIS) | | | | |
| a. Manual (Trip Buttons) | N.A. | N.A. | R | N.A. |
| b. Airborne Radiation | | | | |
| i. Gaseous | S | R | M | * |
| ii. Particulate/Iodine | S | R | M | * |
| c. Automatic Actuation Logic | N.A. | N.A. | R(3) | * |
| 12. CONTAINMENT PURGE ISOLATION (CPIS) | | | | |
| a. Manual (Trip Buttons) | N.A. | N.A. | R | N.A. |
| b. Airborne Radiation | | | | |
| i. Gaseous | (2) | (2) | (2) | All |
| ii. Particulate | (2) | (2) | (2) | All |
| iii. Iodine | (2) | (2) | (2) | All |
| c. Containment Area Radiation (Gamma) | S | R | M | 6 |
| d. Automatic Actuation Logic | N.A. | N.A. | R (3) | All |

TABLE NOTATION

(1) Each train or logic channel shall be tested at least every 62 days on a STAGGERED TEST BASIS.

(2) In accordance with Table 4.3-9 Surveillance Requirements for these instrument channels.

(3) Testing of Automatic Actuation Logic shall include energization/de-energization of each initiation relay and verification of the OPERABILITY of each initiation relay.

(4) A subgroup relay test shall be performed which shall include the energization/de-energization of each subgroup relay and verification of the OPERABILITY of each subgroup relay. Relays exempt from testing during plant operation shall be limited to only those relays associated with plant equipment which cannot be operated during plant operation. Relays not testable during plant operation shall be tested during each COLD SHUTDOWN exceeding 24 hours unless tested during the previous 6 months.

(5) Actuated equipment only; does not result in CIAS.

* With irradiated fuel in the storage pool.

INSTRUMENTATION

3/4.3.3 MONITORING INSTRUMENTATION

RADIATION MONITORING ALARM INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.3.3.1 The radiation monitoring alarm instrumentation channels shown in Table 3.3-6 shall be OPERABLE with their alarm/trip setpoints within the specified limits.*

APPLICABILITY: As shown in Table 3.3-6.

ACTION:

a. With a radiation monitoring channel alarm setpoint exceeding the value shown in Table 3.3-6, adjust the setpoint to within the limit within 4 hours or declare the channel inoperable.

b. With one or more radiation monitoring alarm channels inoperable, take the ACTION shown in Table 3.3-6.

c. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.3.3.1 Each radiation monitoring alarm instrumentation channel shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL CALIBRATION and CHANNEL FUNCTIONAL TEST operations for the MODES and at the frequencies shown in Table 4.3-3.

*Continuous monitoring and sampling of the containment purge exhaust directly from the purge stack shall be provided for the low and high volume (8-inch and 42-inch) containment purge prior to startup following the first refueling outage. Containment airborne monitor 3RT-7804-1 or 3RT-7807-2 and associated sampling media shall perform these functions prior to initial criticality. From initial criticality to the startup following the first refueling outage containment airborne monitor 3RT-7804-1 and associated sampling media shall perform the above required functions.