

March 20, 2000

Mr. Harold B. Ray
Executive Vice President
Southern California Edison Company
San Onofre Nuclear Generating Station
P.O. Box 128
San Clemente, CA 92674-0128

SUBJECT: SAN ONOFRE NUCLEAR GENERATING STATION (SONGS), UNITS 2 AND 3 -
ISSUANCE OF AMENDMENTS RE: DIESEL FUEL OIL TESTING PROGRAM
(TAC NOS. MA7155 AND MA7156)

Dear Mr. Ray:

The Commission has issued the enclosed Amendment No. 167 to Facility Operating License No. NPF-10 and Amendment No. 158 to Facility Operating License No. NPF-15 for San Onofre Nuclear Generating Station (SONGS) , Units 2 and 3, respectively. These amendments are in response to your application dated November 12, 1999 (PCN-505) and revise the SONGS Units 2 and 3 technical specifications relating to the diesel fuel oil testing program.

A copy of our related Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next biweekly Federal Register notice.

Sincerely,

/RA/

L. Raghavan, Senior Project Manager, Section 2
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-361 and 50-362

Enclosures: 1. Amendment No. 167 to NPF-10
2. Amendment No. 158 to NPF-15
3. Safety Evaluation

cc w/encls: See next page

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San Onofre Nuclear Generating Station, Units 2 and 3

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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. 167
License No. NPF-10

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Southern California Edison Company, et al. (SCE or the licensee), dated November 12, 1999, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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. NPF-10 is 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. 167, are hereby incorporated in the license. Southern California Edison Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of its issuance and shall be implemented within 30 days of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Stephen Dembek, Chief, Section 2
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: March 20, 2000

ATTACHMENT TO LICENSE AMENDMENT NO. 167

FACILITY OPERATING LICENSE NO. NPF-10

DOCKET NO. 50-361

Replace the following pages of the Appendix A Technical Specifications with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

REMOVE

5.0-20

INSERT

5.0-20

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. 158
License No. NPF-15

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Southern California Edison Company, et al. (SCE or the licensee), dated November 12, 1999, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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. NPF-15 is 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. 158, are hereby incorporated in the license. Southern California Edison Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of its issuance and shall be implemented within 30 days of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Stephen Dembek, Chief, Section 2
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: March 20, 2000

ATTACHMENT TO LICENSE AMENDMENT NO. 158

FACILITY OPERATING LICENSE NO. NPF-15

DOCKET NO. 50-362

Replace the following pages of the Appendix A Technical Specifications with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

REMOVE

5.0-20

INSERT

5.0-20

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 167 TO FACILITY OPERATING LICENSE NO. NPF-10
AND AMENDMENT NO. 158 TO FACILITY OPERATING LICENSE NO. NPF-15
SOUTHERN CALIFORNIA EDISON COMPANY
SAN DIEGO GAS AND ELECTRIC COMPANY
THE CITY OF RIVERSIDE, CALIFORNIA
THE CITY OF ANAHEIM, CALIFORNIA
SAN ONOFRE NUCLEAR GENERATING STATION, UNITS 2 AND 3
DOCKET NOS. 50-361 AND 50-362

1.0 INTRODUCTION

By letter dated November 12, 1999 (PCN-505), Southern California Edison (the licensee) proposed changes to the San Onofre Nuclear Generating Station Units 2 and 3 Technical Specifications (TSs) relating to the diesel fuel oil testing program.

2.0 PROPOSED TS CHANGES

The licensee proposed to revise TS 5.5.2.13, "Diesel Fuel Oil Testing Program." Specifically, the licensee proposed to:

1. Delete the "at least once per 92 days" test for water and sediment, American Petroleum Institute (API) gravity or an absolute specific gravity, and kinematic viscosity for the diesel fuel oil in the emergency diesel generator (EDG) fuel oil storage tanks. The requirement to test these properties prior to addition of new fuel to the storage tank remains unchanged.
2.
 - (a) Add a new requirement to test new fuel oil prior to addition to the storage tank to verify that the flash point is within limits.
 - (b) Add a new requirement to test new fuel oil within 31 days of delivery for other properties specified in the American Society for Testing and Materials (ASTM) 2D fuel.

3. (a) Delete the statement in TS 5.5.2.13b regarding obtaining a sample of fuel oil per ASTM D4057-81.
- (b) Also, delete the specific acceptance criteria for the fuel properties with the exception of the particulate criterion. Instead, the acceptance criteria and reference to the applicable standard for sampling would remain in the TS Bases associated with TS Surveillance Requirement (SR) 3.8.3.3.

The licensee proposed these changes to correct discrepancies between the existing Bases for SR 3.8.3.3. and TS 5.5.2.13 which were approved by the NRC in Amendments 127 and 116 for SONGS Units 2 and 3, respectively. The discrepancy occurred during conversion from custom to the standard TSs.

3.0 EVALUATION

- 3.1. Delete the “at least once per 92 days” test for water and sediment, API gravity or an absolute specific gravity, and kinematic viscosity for the EDG fuel oil.

These tests are one-time tests intended to determine whether new fuel is of the appropriate grade and is not contaminated. Therefore, a repetitive frequency of 92 days for this test is not appropriate. The rationale for this deletion is that the majority of fuel oil properties determined in accordance with ASTM-D975 do not change during storage. If these properties are within specification when the fuel oil is placed in storage, they will remain within specification during storage unless unacceptable petroleum products are added to the storage tanks. The addition of unacceptable petroleum products is precluded by the proposed surveillance program for new fuel as detailed above. Although the majority of fuel oil properties do not change during storage, over prolonged periods of time, stored fuel oil can oxidize and form particulates. These particulates, in significant concentrations, can impair EDG performance. Particulate concentrations and bacteria concentrations are the only characteristics that could change significantly in stored fuel. Particulate concentrations will be monitored every 92 days as proposed in TS 5.5.2.13.c. Considering that the fuel oil properties will not change significantly during storage and that fuel oil conditions that could adversely affect diesel generator operation will be closely monitored, further testing of stored fuel in accordance with ASTM-D975 every 92 days would not provide any additional, worthwhile data nor improve EDG reliability and therefore, the proposed changes are acceptable.

- 3.2 (a) Add a new requirement to test new fuel oil prior to addition to the storage tank to verify that the flash point is within limits.
- (b) Add a new requirement to test new fuel oil within 31 days of delivery for other properties specified in the ASTM 2D fuel.

The above changes are consistent with and reflect the TS bases associated with SR 3.8.3.3. and TS 5.5.2.13 which were approved by the NRC in Amendments 127 and 116 for SONGS Units 2 and 3, respectively. Therefore, the proposed changes are acceptable.

- 3.3 (a) Delete the statement in TS 5.5.2.13b regarding obtaining a sample of fuel oil per ASTM D4057-81.

- (b) Delete the specific acceptance criteria for the fuel properties with the exception of the particulate criterion. Instead, the acceptance criteria and reference to the applicable standard for sampling will remain in the TS Bases associated with TS SR 3.8.3.3.

The acceptance criteria for particulate concentration are specified in TS 5.5.2.13c and therefore no further review is necessary. With regard to acceptance limits for other properties, it is not necessary to specify them in the TSs. The limits are specified in the TS Bases which are subject to 10 CFR 50.59 requirements. Since the acceptance limits are controlled by the 10 CFR 50.59 process, the proposed changes would have no safety consequences. Therefore, the proposed changes are acceptable.

4.0 STATE CONSULTATION

In accordance with the Commission's regulations, the California State official was notified of the proposed issuance of the amendments. The State official had no comments.

5.0 ENVIRONMENTAL CONSIDERATION

The amendments change surveillance requirements. The NRC staff has determined that the amendments involve no significant increase in the amounts and no significant change in the types of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding (64 FR 67339). Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

6.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal contributor: L. Raghavan

Date: March 20, 2000