

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8409140107 DOC. DATE: 84/09/11 NOTARIZED: NO DOCKET #
 FACIL: 50-361 San Onofre Nuclear Station, Unit 2, Southern California 05000361
 50-362 San Onofre Nuclear Station, Unit 3, Southern California 05000362
 AUTH. NAME: AUTH. AFFILIATION
 MEDFORD, M.O. Southern California Edison Co.
 RECIP. NAME: RECIPIENT AFFILIATION
 KNIGHTON, G.W. Licensing Branch 3

SUBJECT: Application for amend to License NPF-10 & NPF-15, revising
 Tech Spec 3/4.8.1.1 & Bases B.3/4.8 to allow use of unit
 auxiliary transformer providing required sources of offsite
 power. Approval requested by 841203. Fee paid.

DISTRIBUTION CODE: A015D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5+15
 TITLE: OR Submittal: Onsite Emergency Power System

NOTES: J Hanchett 1cy PDR Documents. ELD Chandler 1cy. 05000361
 OL: 02/16/82
 J Hanchett 1cy PDR Documents. ELD Chandler 1cy. 05000362
 OL: 11/15/82

W/check \$150⁰⁰ #283739

RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
NRR LB3 BC 01	7 7		

INTERNAL: ADM/LFMB	1	0	NRR/DL/ORAB 12	1	1
NRR/DSI/ICSB 09	1	1	NRR/DSI/PSB 14	1	1
REG FILE 04	1	1	RGNS	1	1
RM/DDAMI/MIB 18	1	1			
EXTERNAL: ACRS 16	6	6	LPDR 03	1	1
NRC PDR 02	1	1	NSIC 05	1	1
NTIS	1	1			

NOTES: 2 2

TOTAL NUMBER OF COPIES REQUIRED: LTTR 26 ENCL 25

Southern California Edison Company

SCE

P. O. BOX 800
2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770

September 11, 1984

M.O. MEDFORD
MANAGER, NUCLEAR LICENSING

TELEPHONE
(213) 572-1749

Director, Office of Nuclear Reactor Regulation
Attention: Mr. George W. Knighton, Branch Chief
Licensing Branch No. 3
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Subject: Docket Nos. 50-361 and 50-362
San Onofre Nuclear Generating Station
Units 2 and 3

Enclosed for your review and approval is a proposed change to Technical Specification 3/4.8.1.1 and Bases B 3/4.8 "Electrical Power Systems - A.C. Sources - Operating" of the San Onofre Nuclear Generating Station, Units 2 and 3 Operating Licenses NPF-10 and NPF-15, respectively. The proposed change allows use of the Unit Auxiliary Transformer in providing the required sources of offsite power, and deletes provisions which restricted such use of the Unit Auxiliary Transformer for initial low power physics testing.

Approval of the proposed change is requested by December 3, 1984 to support implementation of a design change which facilitates maintenance of the Reserve Auxiliary Transformers. SCE will be available to assist the NRC staff in resolving comments regarding the proposed change.

In accordance with 10 CFR 170.12, an amendment application fee of \$150 is associated with the subject proposed change; a check for \$150 corresponding to the above is enclosed. A formal request for an amendment to Operating Licenses NPF-10 and NPF-15 will be submitted in Mid-September 1984.

If you have any questions concerning the enclosed information, please call me.

Very truly yours,

M.O. Medford

8409140107 840911
PDR ADOCK 05000361
PDR

Enclosure

cc: Harry Rood, NRC (to be opened by addressee only)
Joseph O. Ward, California Department of Health Services
A. E. Chaffee, NRC Resident Inspector

10/15 w/ check \$150.00 #283739

DESCRIPTION OF PROPOSED CHANGES
NPF-10-142 AND NPF-15-142
AND SAFETY ANALYSIS

This is a request to revise Section 3/4.8.1, Electrical Power Systems - A.C. Sources - Operating and Bases 3/4.8.1, 3/4.8.2 and 3/4.8.3, Electrical Power Systems - A.C. Sources, D.C. Sources and Onsite Power Distribution Systems of the Technical Specifications for San Onofre Nuclear Generating Station, Units 2 and 3.

Description

The proposed change would revise Technical Specification 3/4.8.1.1, Electrical Power Systems - A.C. Sources - Operating, which describes the onsite and offsite electrical power sources required to be available when the plant is operating. Section 3.8.1.1 requires operability of two physically independent circuits between the offsite transmission network and the onsite Class 1E distribution system. Surveillance Requirement 4.8.1.1.1 requires the opposite plant Reserve Auxiliary Transformers XR1 and XR2 be used to supply the second source of offsite power and requires the opposite plant buses A04, A06, B04, B06, D1 and D2 be energized. The proposed change revises Specification 4.8.1.1.1 to specify that if the opposite plant bus tie breaker to bus A04 is used to supply the second source of power, the opposite plant A04, B04 and D1 buses are required; and if the opposite plant bus tie breaker to bus A06 is used to supply the second source of power, the opposite plant A06, B06 and D2 buses are required. The proposed change revises Bases 3/4.8.1, 3/4.8.2 and 3/4.8.3 to specify that offsite power may be supplied by a Unit's Auxiliary Transformer when the associated main generator iso-phase bus links are removed. Additionally, provisions which permitted use of the Unit Auxiliary Transformer for initial low power physics testing have been deleted from Section 4.8.1.1.1.

Plant design allows use of the Unit Auxiliary Transformer XU1 to supply either bus A04 or bus A06 or both buses simultaneously by inserting a breaker(s) in installed breaker cubicle(s) in the A04 or A06 bus switchgear. Operation of the automatic transfer is the same with the Unit Auxiliary Transformer supplying the buses. The main generator isolated phase bus disconnects are opened to prevent main generator damage when the Unit Auxiliary Transformer is supplying either bus.

Additionally the proposed change revises Bases Section 3/4.8.1, 3/4.8.2 and 3/4.8.3, A. C. Sources, D.C. Sources and Onsite Power Distribution Systems, to describe the normal and alternate lineups which are used to supply offsite power.

Existing Specifications

Unit 2: See Attachment "A"

Unit 3: See Attachment "B"

Proposed Specifications

Unit 2: See Attachment "C"

Unit 3: See Attachment "D"

Safety Analysis

The proposed changes discussed above shall be deemed to involve a significant hazards consideration if there is a positive finding in any one of the following areas:

1. Will operation of the facility in accordance with this proposed change involve a significant increase in the probability or consequences of an accident previously evaluated?

Response: No

As discussed in Section 8.1.4.1.D of the Final Safety Analysis Report (FSAR), the Unit Auxiliary Transformer may be used as a third source of offsite power. The proposed change allows use of the Unit Auxiliary Transformer during unit shutdown in supplying the required sources of Class IE offsite power for each unit. The proposed change maintains the physical and electrical separation in the Class IE power distribution system required by 10 CFR 50, Appendix A, Criterion 17. Therefore, the proposed change does not result in a significant increase in the probability or consequences of an accident previously evaluated.

2. Will operation of the facility in accordance with this proposed change create the possibility of a new or different kind of accident from any accident previously evaluated?

Response: No

As described in the above response, the change does not create the possibility of a new or different kind of accident from any accident previously evaluated.

3. Will operation of the facility in accordance with the proposed change involve a significant reduction in a margin of safety?

Response: No

As described above the change does not involve a reduction in a margin of safety.

The Commission has provided guidance concerning the application of standards for determining whether a significant hazards consideration exists by providing certain examples (48 FR 14870) of amendments that are considered not likely to involve significant hazards considerations. Example (vi) relates to a change which either may result in some increase in the probability or consequences of a previously-analyzed accident or may in some way reduce a safety margin, but where the results of the change are clearly within all acceptance criteria with respect to the system or component specified in the Standard Review Plan (SRP).

The proposed change meets the requirements for electric power systems of 10 CFR 50, Appendix A, Criterion 17, and therefore does not significantly reduce a safety margin. In addition, the proposed change complies with SRP Section 8.2, Offsite Power System, acceptance criteria, which requires two separate circuits from the offsite transmission network to the onsite Class 1E power distribution system, adequate physical and electrical separation, and system capacity and capability to supply power to all safety-related loads and other required equipment. The proposed change allows use of an alternate installed path in providing the required circuits from the offsite transmission network to the onsite Class 1E distribution system. Physical and electrical separation and system capacity will be maintained. Therefore, the proposed change satisfies the SRP acceptance criteria and is similar to example (vi).

SAFETY AND SIGNIFICANT HAZARDS DETERMINATION

Based on the above Safety Analysis, it is concluded that; (1) the proposed change does not constitute a significant hazards consideration as defined by 10 CFR 50.92; (2) there is reasonable assurance that the health and safety of the public will not be endangered by the proposed change; and (3) this action will not result in a condition which significantly alters the impact of the station on the environment as described in the NRC Final Environmental Statement.

ATTACHMENT A
EXISTING SPECIFICATION - UNIT 2