ACCELERATED DOCUMENT DISTRIBUTION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9309200126 DOC.DATE: 93/09/16 NOTARIZED: NO DOCKET #
FACIL:50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light C 05000261
AUTH.NAME AUTHOR AFFILIATION
DIETZ,C.R. Carolina Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
Document Control Branch (Document Control Desk)

SUBJECT: Provides notification of proposed schedule change for replacing one 230V oil circuit breaker in H.B.Robinson Switchyard.

DISTRIBUTION CODE: A001D COPIES RECEIVED:LTR 1 ENCL 0 SIZE: 2
TITLE: OR Submittal: General Distribution

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
	PD2-1 LA	1	1	PD2-1 PD	1	1
	MOZAFARI,B	2	2			
INTERNAL:	NRR/DE/EELB	1	1	NRR/DORS/OTSB	1	1
	NRR/DRCH/HICB	1	1	NRR/DRPW	1	1
	NRR/DSSA/SPLB	1	1	NRR/DSSA/SRXB	1	1
	NUDOCS-ABSTRACT	1	1	OC/LFDCB	1	0
	OGC/HDS2	1	0	REG FILE 01	1	1
EXTERNAL:	NRC PDR	1	1	NSIC	1	1

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 504-2065) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 16 ENCL 10

CP&L

Carolina Power & Light Company

ROBINSON NUCLEAR PLANT
POST OFFICE BOX 790
HARTSVILLE, SOUTH CAROLINA 29551

SEP 16 1993

Robinson File No.: 13510 Serial: RNP/93-2237

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
NOTIFICATION OF SCHEDULE CHANGE: SWITCHYARD BREAKER REPLACEMENT

Gentlemen:

The purpose of this letter is to provide notification of a proposed schedule change for replacing one of the 230kV Oil Circuit Breakers located in the H. B. Robinson Switchyard. The original schedule was provided to the NRC in a presentation on March 8, 1993, discussing the replacement of twelve (12) 230kV Oil Circuit Breakers in the H. B. Robinson Switchyard. This presentation included an overview of the schedule, work process, and actions taken to minimize the site's vulnerability to a Switchyard-related event.

The 230kV Breakers in the H. B. Robinson Switchyard are being replaced by the Transmission Department in order to improve Switchyard stability. Breaker 52-7, 230kV Darlington (SCPSA), was originally scheduled to be replaced after our upcoming refueling outage. Due to replacing nine (9) of the twelve (12) 230kV breakers ahead of schedule, the Transmission Department recently requested H. B. Robinson's concurrence in replacing Breaker 52-7 before the start of the refueling outage. A review of the Switchyard's stability with Breaker 52-7 out of service was performed by our System Operations and Planning Organization. A scenario was identified which could leave the Unit 2 Main Generator at risk if Breaker 52-7 was out of service with Unit 2 on-line. The scenario involves a North 230kV Bus lockout in conjunction with Breaker 52-7 being out of service.

200070

A001 1/0

If a North 230kV Bus lockout occurs, all 230kV breakers connected to the North 230kV Bus open automatically. In the event of a North 230kV Bus lockout with Breaker 52-7 out of service for replacement and Unit 2 producing more than 500 Mwe, voltage oscillations will result due to the limitations of the remaining line connecting Unit 2 to the Transmission System. These oscillations could result in damage to the Unit 2 Main Generator before protective relaying provides a turbine-trip signal. While no such lockout has occurred in the plant's history, the possibility exists for such an event.

Based on this scenario, Breaker 52-7 is now scheduled to be replaced during the first eleven (11) days of the upcoming refueling outage. The increased outage risk associated with this activity is the reduction of incoming 230kV lines to the H. B. Robinson Switchyard in the event that backfeeding through the Main and Unit Auxiliary Transformers becomes necessary. (Backfeeding will be performed later in the outage, in order to support Startup Transformer preventive maintenance.) During the replacement of Breaker 52-7, both Emergency Diesel Generators will be available, as well as the Startup Transformer, which is the normal source of offsite power. A Shutdown Risk Assessment has been performed, and the additional outage risk is considered minimal and is acceptable when compared to the potential damage to the Main Generator in the scenario described above.

Should you have any questions regarding this matter, please contact Mr. D. B. Waters at (803) 383-1802.

Very truly yours,

Charles R. Dietz
Vice President
Robinson Nuclear Plant

RDC:lst

cc: Mr. S. D. Ebneter
Mr. W. T. Orders