

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9011210058 DOC.DATE: 90/10/09 NOTARIZED: NO DOCKET #  
 FACIL:50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251  
 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co. 05000335  
 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389  
 50-298 Cooper Nuclear Station, Nebraska Public Power Distric 05000298  
 50-312 Rancho Seco Nuclear Generating Station, Sacramento Mu 05000312

AUTH.NAME AUTHORITY AFFILIATION  
 SCHWELLENSATTL Basler Electric  
 RECIP.NAME RECIPIENT AFFILIATION  
 ROSSI,C.E. Division of Operational Events Assessment (Post 870411)

SUBJECT: Part 21 rept re zener diode VR2 on power supply board  
 9 1682 00 106 possibly installed backwards.

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 TITLE: Part 21 Rept (50 DKT)

NOTES: 05000312

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	PDNP LA		1	0		PD2-2 PD		1	1
	PD4-1 PD		1	1		PDNP PD		1	1
	EDISON,G		1	1		NORRIS,J		1	1
	O'CONNOR,P		1	1		REYNOLDS,S		1	1
INTERNAL:	AEOD/DSP/TPAB		1	1		NRR/DOEA/OGCB11		2	2
	NRR/DRIS/RVIB9D		1	1		<u>REG FILE</u> 01		1	1
	RES/DSIR/EIB		1	1		RGN1		1	1
	RGN2		1	1		RGN3		1	1
	RGN4		1	1		RGN5		1	1
EXTERNAL:	INPO RECORD CTR		1	1		NRC PDR		1	1
	NSIC SILVER,E		1	1					

NOTES: 1 1

NOTE TO ALL "RIDS" RECIPIENTS:

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*TAI*



# Basler Electric Highland, Illinois

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October 9, 1990

Mr. Charles E. Rossi, Director  
Division of Operational Events Assessment  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Rossi,

On October 5, 1990, Basler Electric Company reported a possible problem to Mr. Chauncey Gould of your organization. We indicated there is a possibility that zener diode VR2 on power supply board 9 1682 00 106 may have been installed backwards. This power supply is used in Basler Electric Protective Relays. With VR2 installed backwards, resistor R11 and transistor Q2 will be thermally overstressed. This may eventually cause the power supply to quit operating which would inhibit the Protective Relay from performing its design function.

These power supplies are contained in Basler Electric Protective Relays listed below and were sold to the following companies:

<u>Company</u>	<u>Quantity</u>	<u>Company P.O.#</u>	<u>Protective Relay</u>
Florida Power Corp.	3	F90433940	BE1-32 E4E EIC AONIN
Florida Power Corp.	1	F90630380	BE1-32 E4E EIC AONIN
Nebraska Public Power	3	277105	BE1-32 B4E AIC AONON
Sacramento Municipal Utility	8	GR88663	BE1-25 MIE A6C N5NIN
MKW Power Systems	1	63957	BE1-59 A3E CIC AONIN

On October 5, 1990, Earl E. Welch of Florida Power Corp., Gary Sinclair of Nebraska Public Power and Gloria Carpenter of Sacramento Municipal Utility were notified of the possible problem. On October 8, 1990, Gene Schoeck of MKW Power Systems was notified of the possible problem.

Basler Electric will add to Acceptance Test Procedure 9 1682 00 930, per Engineering Change Authorization 11717, the following test, "measure the voltage across R22, it should be less than 0.5 Vdc". This will ensure that start-up circuit components Q1, Q2, R22, R11, & VR2 have performed their function and therefore will not be thermally overstressed. This action will be completed on October 12, 1990.

9011210058 901009  
PDR ADOCK 05000250  
S PDC

IF 19  
1/0



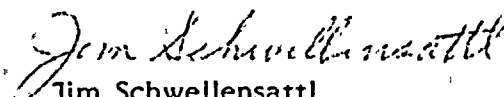
Mr. Charles E. Rossi  
October 9, 1990  
page 2

To our knowledge this condition has not caused a Protective Relay malfunction in either a commercial or nuclear application. We recommend a visual inspection of VR2 polarity, a visual inspection for discoloring of R11 and Q2 and/or voltage measurement of R22 to ensure normal operation.

If any additional information is required, please contact me.

Sincerely,

BASLER ELECTRIC COMPANY

  
Jim Schwellensattl  
Quality Engineering

JS/jks

cc: Ed Leird, Basler Electric

