

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Rancho Seco Nuclear Generating Station, Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 1 2	PAGE (3) 1 OF 0 2
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TITLE (4)
Diesel Generator "A" Initiation

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)	
0 6	2 2	8 5	8 5	0 1	3	0 0	0 7	8 5	NONE	0 5 0 0 0 0	
										0 5 0 0 0 0	

OPERATING MODE (9) N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)										
POWER LEVEL (10) 0 1 0 1 0	20.402(b)		20.405(c)	X	50.73(a)(2)(iv)		73.71(b)				
	20.405(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		73.71(c)				
	20.405(a)(1)(ii)		50.36(c)(2)		50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)				
	20.405(a)(1)(iii)		50.73(a)(2)(i)		50.73(a)(2)(viii)(A)						
	20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)						
	20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)						

LICENSEE CONTACT FOR THIS LER (12)									
NAME Ron W. Colombo, Regulatory Compliance Supervisor							TELEPHONE NUMBER AREA CODE 9 1 6 4 5 2 - 3 2 1 1		

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)					EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input type="checkbox"/> NO					0 9	0 2	8 5

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

When starting Reactor Coolant Pump "A" during system heatup, an overvoltage condition was detected on Nuclear Services Electrical Building safety buses 4A and 4A2, thus initiating an automatic startup of Diesel Generator "A". This event constitutes an actuation of an Engineered Safety Features (ESF) System and is reportable under 10 CFR 50.73(a)(2)(iv) requirements. The event occurred at 0615 hours on June 22, 1985 and two reactor coolant pumps were running prior to starting the "A" pump.

During this event all protective circuitry performed as designed. The relay initiating the overvoltage was calibrated in May, 1985 during the refueling outage.

Bechtel Power Corporation (Norwalk) has been assigned the task of analyzing the conditions resulting in the trip and to recommend interim and long-term corrective actions. The results of this analysis are expected to be available by July 19, 1985. The District will review these recommendations and submit a supplement to this event report by September 2, 1985 detailing our course of action.

There were no effects on plant or public safety as a result of this event.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Rancho Seco Nuclear Generating Station, Unit 1	0 5 0 0 0 3 1 2	8 5	0 1 1 3	0 0	0 1 2	OF	0 2

TEXT / If more space is required, use additional NRC Form 368A's (17)

On June 22, 1985 it was reported via an internal Occurrence Description Report that Diesel Generator "A" started when an overvoltage condition was detected on Nuclear Services Electrical Building safety buses 4A and 4A2. The event occurred at 0615 hours when Reactor Coolant Pump "A" was being started. Two reactor coolant pumps were running during this period of reactor coolant system heatup.

This event constitutes an actuation of an Engineered Safety Features (ESF) system and is reportable under 10 CFR 50.73(a)(2)(iv) requirements.

During this event, all protective circuitry performed as designed. The relay initiating the overvoltage trip was calibrated in May, 1985 during the refueling outage.

A preliminary analysis indicated that due to the nature of inductive coupling of the 6.9 kV and 12.47 kV windings of start-up transformer #1, a current flow in one winding raises the voltage of the other winding. When the third reactor coolant pump was being started, the voltage at the 230 kV switchyard was 236 kV and the load on the 12.47 kV winding and Nuclear Service Supply (NSS) transformer was low. The large current flow through the 6.9 kV winding raised the voltage on the terminals of the 12.47 kV winding, and since the load on the 12.47 kV winding and NSS transformer was small, there was no voltage drop in the 12.47 kV winding and NSS transformer or the 4160V buses. The result was a voltage that was above the trip setting of the overvoltage relay.

Bechtel Power Corporation (Norwalk) has been assigned the task of analyzing the conditions resulting in the trip and to recommend interim and long-term corrective actions. The results of this analysis are expected to be available by July 19, 1985. The District will review these recommendations and submit a supplement to this event report by September 2, 1985 detailing the corrective actions that will be implemented.

There were no effects on plant or public safety as a result of this event.



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SACRAMENTO MUNICIPAL UTILITY DISTRICT ☐ 6201 S Street, P.O. Box 15830, Sacramento CA 95852-1830, (916) 452-3211
AN ELECTRIC SYSTEM SERVING THE HEART OF CALIFORNIA

RJR 85-352

July 22, 1985

J B MARTIN, REGIONAL ADMINISTRATOR
REGION V OFFICE OF INSPECTION AND ENFORCEMENT
ATTN: DOCUMENT CONTROL DESK
U S NUCLEAR REGULATORY COMMISSION
WASHINGTON DC 20555

DOCKET NO. 50-312
LICENSE NO. DPR-54
LICENSEE EVENT REPORT NUMBER 85-13

In accordance with the requirements of 10 CFR 50.73(a)(2)(iv), the Sacramento Municipal Utility District hereby submits Licensee Event Report Number 85-13.

If there are any questions concerning this report, please contact Mr. Ron Colombo at the Rancho Seco Nuclear Generating Station.

R J RODRIGUEZ
ASSISTANT GENERAL MANAGER,
NUCLEAR

cc: Region V (2)
INPO

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