

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)										DOCKET NUMBER (2)										PAGE (3)									
Rancho Seco Nuclear Generating Station										0 5 0 0 0 3 1 2										1 OF 0 3									

Potential Problem with Gems Sensors Model No. 63328A Modular Receivers

EVENT DATE (5)				LER NUMBER (4)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)																				
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES					DOCKET NUMBER(S)																
0	4	1	5	8	8	8	8	8	8	0	0	3	0	0	0	5	1	6	8	8	None	0	5	0	0	0				
0	4	1	5	8	8	8	8	8	8	0	0	3	0	0	0	5	1	6	8	8		0	5	0	0	0				

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)									
N		20.402(b)	20.405(e)	50.73(a)(2)(iv)	73.71(b)						
POWER LEVEL (10)		20.405(a)(1)(i)	50.38(a)(1)	50.73(a)(2)(v)	73.71(c)						
	IN/A	20.405(a)(1)(ii)	50.38(c)(2)	50.73(a)(2)(vii)	X OTHER (Specify in Abstract below and in Text, - RC Form 355A)						
		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)	Part 21						
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)							

LICENSEE CONTACT FOR THIS LER (12)		
NAME	TELEPHONE NUMBER	
	AREA CODE	
Steve Rutter, Supervisor, Independent Investigation/Reviews Group	916	452-3211

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPROS		CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPROS

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

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

In accordance with 10 CFR 21.21(b)(2), the Sacramento Municipal Utility District hereby submits a written report to document a potential problem with Gems Sensors Model No. 63328A Modular Receivers. Gems Sensors is stocking a nonqualified manufacturer's toggle switch for the Modular Receiver under a qualified toggle switch part number. Gems Sensors was unable to produce evidence that they performed the required analyses to ensure that the toggle switches being stocked were equivalent to the qualified toggle switches.

The Modular Receivers installed at Rancho Seco have the qualified toggle switch installed.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
Rancho Seco Nuclear Generating Station	050003112	88	003	0	002	OF 03

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Company/Facility

In accordance with 10 CFR 21.21(b)(2), the Sacramento Municipal Utility District (SMUD) hereby submits a written report to document a potential problem with Gems Sensors Modular Receivers.

Responsible Officer

G. Carl Andognini, Chief Executive Officer, Nuclear is the responsible officer submitting this report.

Date Responsible Officer Received Information

The Chief Executive Officer, Nuclear received information concerning this problem on May 16, 1988. The Chief Executive Officer, Nuclear determined that this problem should be reported under the provisions of 10 CFR 21 on May 16, 1988.

Basic Component Description

Type: Modular Receiver
Model: 63328A
Service: 4 to 20 ma converter

Firm Supplying Basic Component

IMO Delaval Inc.
Gems Sensors Division
Cowles Road
Plainville, CT 06062-1198

Description of the Problem

Gems Sensors Division has failed to maintain design change control sufficiently to ensure the qualified integrity of the Model 63328A Modular Receiver. Wyle Laboratories Qualification Report No. 45700-1 for the Model 63328A Modular Receivers indicated specific manufacturers, models, and catalog numbers for some components including toggle switch S1. Revision K to the part number/drawing for toggle switch S1 lists multiple nonqualified manufacturer's toggle switches as equivalent to the qualified toggle switch; however, Gems Sensors could not produce evidence of a commercial grade dedication process for the nonqualified toggle switches. The only toggle switch currently being supplied under the part number for S1 is a nonqualified switch.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/86

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
Rancho Seco Nuclear Generating Station	050003112	88	003	000	03	OF 03

TEXT (If more space is required, use additional NRC Form 365A's) (17)

SMUD performed a vendor audit of the Gems Sensors Division of IMO Delaval during February 1988. During this audit an investigation of the equipment qualification traceability of a toggle switch ordered by SMUD was performed. The investigation determined that a nonqualified manufacturer's toggle switch was being stocked under the qualified toggle switch part number. The qualified toggle switch is a Cutler-Hammer switch, 3PDT, part number 7670K and is identified as such in the bill of materials for Wyle Laboratories Test Report No. 45700-1. The switch presently being stocked under the qualified toggle switch part number is a Carling Electric switch. Gems Sensors could not produce evidence that they had performed the required analysis to ensure that the toggle switches being stocked were equivalent to the qualified toggle switches.

The SMUD auditor immediately notified the Gems Sensors Quality Assurance management of the potential reportability under 10 CFR 21 and advised them to take immediate action to evaluate reportability. Since (to the best of SMUD's knowledge) Gems Sensors has not submitted a 10 CFR 21 report on this item, SMUD is filing this 10 CFR 21 report to alert the industry to a potential problem.

Number and Location of Such Components at Rancho Seco

Rancho Seco has four Gems Sensors Model 63328A Modular Receivers. The receivers are used for containment emergency sump level and Containment Building water level. All of the Gems Sensors Modular Receivers at Rancho Seco have the qualified toggle switch installed; therefore, there was no safety significance to Rancho Seco due to this problem.

Corrective Action

The immediate corrective action taken was to remove Gems Sensors from SMUD's Approved Suppliers List and to document the potential problem with the toggle switches.

Upon notification of the potential problem, each of the Modular Receivers at Rancho Seco was inspected to determine which toggle switch was installed in the receivers. Each of the receivers at Rancho Seco has the qualified toggle switch installed.

Miller



SMUD

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

GCA 88-301

REC'D MAY 10 12:30

MAY 16 1988

U. S. Nuclear Regulatory Commission
Attn: J. B. Martin, Regional Administrator
Region V
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596

Docket No. 50-312
Rancho Seco Nuclear Generating Station
License No. DPR-54
10 CFR 21 REPORT 88-03: POTENTIAL PROBLEM WITH GEMS SENSORS MODEL NO. 63328A
MODULAR RECEIVERS

Dear Mr. Martin:

In accordance with 10 CFR 21.21(b)(2), the Sacramento Municipal Utility District hereby submits 10 CFR 21 Report 88-03 documenting a potential problem with Gems Sensors Model No. 63328A Modular Receivers.

Please contact me if you have any questions. Members of your staff with questions requiring additional information or clarification may contact Mr. Steve Rutter at (916) 452-3211, extension 4674.

Sincerely,

G. Carl Andognini

G. Carl Andognini
Chief Executive Officer,
Nuclear

Attachment

cc w/atch:

G. Kalman, NRC, Rockville (2)
A. D'Angelo, NRC, Rancho Seco
F. J. Miraglia, NRR, Rockville (2)
INPO

DESIGNATED ORIGINAL

Certified By *Deen Weber*

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IE-19