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TO: *	FROM:	Light & Pwr. Company	
Mr. James G. Keppler	Cedar Rapid		
Mr. James G. Reppier		•	DATE RECEIVED
	Ellery L. H		1/4/78
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DESCRIPTION			(004 (77 00)
	ļ.	Licensee Event Rep	oort (RO 50-331/77-92) on
	\$	11/28/77 concerning	ng nonconservative errors
		being induced in A	PRM channels A, B, C, and
		D during special	testing involving monitoring
•		of LPRM signals	
	·	of LPRM Signais	· •
·		•	·
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PLANT NAME: Duane Arnold	(1 - P)	(1 - P)	
	(1-1)	√- - ∕	
RJL 1/4/78			
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	•		TO THE TOTAL TO THE TOTAL
		NOTE: IF PERSON	NEL EXPOSURE IS INVOLVED
		SEND DIRE	CTLY TO KREGER/J. COLLINS
			, rencc
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		INFORMATION	
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NRC FCRM 195 (2-76)

O. Sanham

50-331

IOWA ELECTRIC LIGHT AND POWER COMPANY FILE COPY

DUANE ARNOLD ENERGY CENTER

P. O. Box 351
Cedar Rapids, Iowa 52406
December 21, 1977
DAEC-77-648

Mr. James G. Keppler, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission - Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137



Subject: Licensee Event Report No. 77-92

(30 day)

File: A-118a

Dear Mr. Keppler:

In accordance with Appendix A to Operating License DPR-49, Technical Specifications and Bases for Duane Arnold Energy Center and Regulatory Guide 10.1, please find attached a copy of the subject Licensee Event Report. (Total of 3 copies transmitted)

Very truly yours,

Ellery L. Hammond

Chief Engineer

Duane Arnold Energy Center

Docket 50-331

attachment

ELH/DLW/nf

cc: Director, Office of Inspection and Enforcement (30) U.S. Nuclear Regulatory Commission Washington, D.C. 20555

Director, Management Information and Program Control (3) U. S. Nuclear Regulatory Commission Washington, D.C. 20555



	CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)
0 1	I A D A C 1 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5 5 9 LICENSEE CODE 14 15 ST CAT 58
ON'T 0 1 7 8	REPORT L 6 0 5 0 0 0 3 3 1 7 1 1 2 8 7 7 8 1 2 2 0 7 7 9 OCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80
0 2	During Special Testing involving monitoring of LPRM signals, nonconse
0 3	rvative errors of approximately 13 percent were induced in APRM chann
0 4	els A,B,C,and D. Testing was being performed by engineering personnel
0 5	from a local University under supervision of plant personnel. Protect
0 6	ive functions were still available since one APRM channel in each RPS
0 7	channel was not effected. T.S.3.1. Problem was promptly identified
08	during a check required by the special test procedure. 9 SYSTEM CAUSE CAUSE COMP. VALVE
0 9	CODE SUBCODE S
	LER/RO REPORT NUMBER 21 22 23 24 26 27 28 29 30 31 31 32
	ACTION FUTURE EFFECT SHUTDOWN HOURS 22 ATTACHMENT NPRO-4 PRIME COMP. COMPONENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER X 18 H 19 Z 20 Z 21 0 0 0 0 0 0 0 0 0
1 0	Personnel error. Engineering personnel from local University inadverte
11	ntly reversed input and output connections to their recorder causing
1 2	an erroneous LPRM signal to be sent to APRM channels. The Special Tes
1 3	ting was immediately terminated. Future Special Tests will be more
1 4	closely reviewed and supervised by plant personnel.
1 5	STATUS & POWER OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32 E 28 0 9 3 29 NA C 31 Operator Observation
1 6 RE	CTIVITY CONTENT LEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36 NA NA
	9 10 11 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)
7 8	0 0 0 37 Z 38 NA 9 PERSONNEL INJURIES 80
1 8	NUMBER DESCRIPTION (41) NA 11 12
	LOSS OF OR DAMAGE TO FACILITY 43 TYPE DESCRIPTION NA
	9 10 PUBLICITY SSUED DESCRIPTION 45 NRC USE ONLY
2 0	9 10 NA 80.5
	NAME OF BEERABER D. Wilson 319-851-5611 0

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