

W 04/12/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)  
DISTRIBUTION FOR INCOMING MATERIAL 50-331

REC: KEPPLER J G  
NRC

ORG: HAMMOND E L  
IA ELEC LIGHT & PWR

DOCDATE: 04/05/78  
DATE RCVD: 04/11/78

DOCTYPE: LETTER NOTARIZED: NO  
SUBJECT:

COPIES RECEIVED  
LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RD 50-331/78-016) ON 03/08/78 CONCERNING  
DURING SURVEILLANCE TESTING, LIS 4534 FAILED TO TRIP AT REQUIRED SET POINT OF  
MINUS 139.5 INCHES OF WATER (LO LO LO LEVEL).

PLANT NAME: DUANE ARNOLD

REVIEWER INITIAL: XJM  
DISTRIBUTOR INITIAL: DL

\*\*\*\*\* DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS \*\*\*\*\*

INCIDENT REPORTS  
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF LEAR\*\*W/4 ENCL

INTERNAL:

REG FILE\*\*W/ENCL

L & E\*\*W/2 ENCL

SCHROEDER/IPPOLITO\*\*W/ENCL

NOVAK/CHECK\*\*W/ENCL

KNIGHT\*\*W/ENCL

HANAUER\*\*W/ENCL

EISENHUT\*\*W/ENCL

SHAO\*\*W/ENCL

KREGER/J. COLLINS\*\*W/ENCL

K SEYFRIT/IE\*\*W/ENCL

NRC PDR\*\*W/ENCL

MIPC\*\*W/3 ENCL

HOUSTON\*\*W/ENCL

EEB\*\*W/ENCL

BUTLER\*\*W/ENCL

TEDESCO\*\*W/ENCL

BAER\*\*W/ENCL

VOLLMER/BUNCH\*\*W/ENCL

ROSA\*\*W/ENCL

EXTERNAL:

LPDR'S

CEDAR RAPIDS, IA\*\*W/ENCL

TIC\*\*W/ENCL

NSIC\*\*W/ENCL

ACRS CAT B\*\*W/16 ENCL

COPIES NOT SUBMITTED PER  
REGULATORY GUIDE 10.1

DISTRIBUTION: LTR 45 ENCL 45  
SIZE: 1P+1P

CONTROL NBR: 781020035

\*\*\*\*\* THE END \*\*\*\*\*

AG 4  
60

*D. Lanham*  
FILE COPY

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER

P. O. Box 351

Cedar Rapids, Iowa 52406

April 5, 1978

DAEC - 78 - 203

50-331

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. 78-016  
(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*

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

APR 7 1978

# LICENSEE EVENT REPORT

CONTROL BLOCK: \_\_\_\_\_ (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	I	A	D	A	C	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4	5			
7	8	LICENSEE CODE						14	15	LICENSE NUMBER										25	26	LICENSE TYPE				30	57	CAT		58

0	1	REPORT SOURCE		6	0	5	0	0	0	3	3	1	7	0	3	0	8	7	8	8	0	4	0	5	7	8	9
7	8			60	61	DOCKET NUMBER						68	69	EVENT DATE				74	75	REPORT DATE				80			

### EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During surveillance testing, LIS 4534 failed to trip at required set  
 0 3 | point of minus 139.5 inches of water (lo lo lo level). Provides init  
 0 4 | iation signal for ADS, core spray, LPCI, and standby diesel generato  
 0 5 | rs. After cycling test pressure, switch began to function properly.  
 0 6 | Requirements in TS Table 3.2-B. Redundant level switches operable.  
 0 7 |  
 0 8 |

0	9	SYSTEM CODE		11	X	12	X	13	COMPONENT CODE				14	I	N	S	T	R	U	15	E	16	Z	VALVE SUBCODE		20
7	8	9	10	11	12	13	14	15	16	17	18	19	20	COMP. SUBCODE		VALVE SUBCODE		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.		
17		LER/RO REPORT NUMBER		EVENT YEAR		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER				
				7 8		X 18		X 19		Z 20		Z 21		0 0 0 0 22		N 23		N 24		N 25		Y 0 1 0 26				

### CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | Unknown. Under investigation. LIS to be disassembled and inspected  
 1 1 | during 1978 refueling outage. Surveillance temporarily increased to  
 1 2 | weekly. Switch placed in tripped condition after repeat problem one  
 1 3 | week later pending final corrective action. LIS is Yarway Model  
 1 4 | 4418c.

1	5	FACILITY STATUS		28	E	% POWER		29	0	9	4	OTHER STATUS		30	NA	METHOD OF DISCOVERY		31	B	DISCOVERY DESCRIPTION				32	Surveillance Testing				
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

1	6	ACTIVITY CONTENT		33	Z	RELEASED OF RELEASE		34	Z	AMOUNT OF ACTIVITY				35	LOCATION OF RELEASE				36	NA									
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

1	7	PERSONNEL EXPOSURES		37	0	0	0	TYPE		38	Z	DESCRIPTION				39	NA												
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

1	8	PERSONNEL INJURIES		40	0	0	0	DESCRIPTION		41	NA																		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

1	9	LOSS OF OR DAMAGE TO FACILITY		42	Z	DESCRIPTION				43	NA																		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

2	0	PUBLICITY ISSUED		44	N	DESCRIPTION				45	NA																		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

NAME OF PREPARER D. Wilson PHONE: 319-851-5611