

B 07/20/78

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: 07/11/78  
DATE RCVD: 07/17/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED

SUBJECT:

LTR 1 ENCL 1

LICENSEE EVENT REPT #78-032 ON 6/27/78 CONCERNING TESTING OF PRESSURE  
DIFFERENTIAL SWITCHES 4304 AND 4305 WERE FOUND TO HAVE OUT OF SPECIFICATION  
SETPOINTS.

PLANT NAME: DUANE ARNOLD

REVIEWER INITIAL: XRS

DISTRIBUTOR INITIAL: *mc*

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

INCIDENT REPORTS  
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF DRB#3 BC\*\*W/4 ENCL

INTERNAL:

REG FILE\*\*W/ENCL  
~~I & E\*\*W/2 ENCL~~  
I & C SYSTEMS BR\*\*W/ENCL  
NOVAK/CHECK\*\*W/ENCL  
AD FOR ENG\*\*W/ENCL  
HANAUER\*\*W/ENCL  
AD FOR SYS & PROJ\*\*W/ENCL  
ENGINEERING BR\*\*W/ENCL  
KREGER/J. COLLINS\*\*W/ENCL  
K SEYFRIT/IE\*\*W/ENCL

NRC PDR\*\*W/ENCL  
MIPC\*\*W/3 ENCL  
EMERGENCY PLAN BR\*\*W/ENCL  
EEB\*\*W/ENCL  
PLANT SYSTEMS BR\*\*W/ENCL  
AD FOR PLANT SYSTEMS\*\*W/ENCL  
REACTOR SAFETY BR\*\*W/ENCL  
VOLLMER/BUNCH\*\*W/ENCL  
POWER SYS BR\*\*W/ENCL

EXTERNAL:

LPDR'S  
CEDAR RAPIDS, IA\*\*W/ENCL  
TIC, LIZ CARTER\*\*W/ENCL  
NSIC\*\*W/ENCL  
ACRS CAT B\*\*W/16 ENCL

DISTRIBUTION: LTR 45 ENCL 45  
SIZE: 1P+2P

CONTROL NBR: 782000103

*A0 460*

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

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER

P. O. Box 351

Cedar Rapids, Iowa 52406

July 11, 1978

DAEC - 78 - 336

12-0000  
ELECTRIC SERVICES  
FRANCHISE

1978 JUL 17 10 11 52

12-0000  
ELECTRIC SERVICES  
FRANCHISE

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. 78-032  
(14 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,

*BR York for*  
Ellery L. Hammond  
Chief Engineer  
Duane Arnold Energy Center

Docket 50-331

attachment

ELH/JVS/nf

cc: Director, Office of Inspection and Enforcement (40)  
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

782000103

A002  
5/1

## (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CONTROL BLOCK: 

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 (1)

0 1 I A D A C 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 4 5  
7 8 9 14 15 25 26 30 57 CAT 58  
LICENSEE CODE LICENSE NUMBER LICENSE TYPE

**CON'T**

REPORT SOURCE: 01 60 61 05 00 00 33 17 68 69 06 27 77 87 88 74 75 07 11 17 80 90

### EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During surveillance testing pressure differential switches 4304 and 4305  
0 3 | were found to have out of specification setpoints. These switches contr  
0 4 | ol reactor building to torus vacuum breakers CV 4304 and CV 4305. The se  
0 5 | tpoint of PDS 4304 was found to be 1.35 psid and the setpoint of PDS 430  
0 6 | 5 was found to be .85 psid. Technical Specification 3.7.A.3.a requires t  
0 7 | he setpoint to be .5 psid. There have been two previous similar occurren  
0 8 | ces (see A0 75-33 and R0 77-55).

[illegible]

### CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | Instrument drift. PDS 4304 and PDS 4305 are both Barton Model 288A press  
1 1 | ure differential switches. The switches were recalibrated and functional  
1 2 | ly tested. A design review will be initiated to verify the adequacy of  
1 3 | this instrument application. Pending completion of this review, survei  
1 4 | llance will be increased to monthly once plant operation resumes.

FACILITY STATUS 1 5 G 28 29 30 31 32  
7 8 9 10 12 13 44 45 46  
% POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION  
0 0 0 NA B Surveillance Test

ACTIVITY CONTENT  
RELEASED OF RELEASE

1 6 7 8 9 10 11 NA

AMOUNT OF ACTIVITY (35)

44

LOCATION OF RELEASE (36)

45 NA 80

PERSONNEL EXPOSURES										
NUMBER			TYPE		DESCRIPTION					
1	7		0	0	0	(37)	Z	(38)	NA	(39)
7	8	9	10	11	12	13				

PERSONNEL INJURIES											
NUMBER			DESCRIPTION								
1	2		0	0	0	40	NA				41

LOSS OF OR DAMAGE TO FACILITY (43)  
TYPE DESCRIPTION  
1 9 Z (42) NA

PUBLICITY		ISSUED		DESCRIPTION		NRC USE ONLY									
2	0	N	(44)	NA	(45)										

NAME OF PREPARER J. Van Sickle

PHONE: 319-851-5611

**NRC USE ONLY**

06-017-938

Iowa Electric Light and Power Company

**LICENSEE EVENT REPORT-Supplemental Data**

Docket No. 050-0331

**Licensee Event Report Date:** 071178

**Reportable Occurrence No:** 78-032

**Event Description**

During surveillance testing pressure differential switches 4304 and 4305 were found to have out of specification setpoints. These switches control reactor building to suppression chamber vacuum breakers CV 4304 and CV 4305. The setpoint of PDS 4304 was found to be 1.35 psid and the setpoint of PDS 4305 was found to be .85 psid. Technical Specification 3.7.A.3.a requires the setpoint to be .5 psid. There have been two previous similar occurrences (see AO 75-33 and RO 77-55).

**Cause Description**

Instrument drift. PDS 4304 and 4305 are both Barton Model 288A pressure differential switches.

**Corrective Action**

The switches were recalibrated and functionally tested. A design review will be initiated to verify the adequacy of this instrument application. Pending completion of this review, surveillance will be increased to monthly once plant operation resumes.