	ATORY INFORMATION DISTRIB N FOR INCOMING MATERIAL	UTION SYSTEM (RIDS) 50-331	
REC: KEPPLER J G NRC	ORG: HAMMOND E IA ELEC LIGH		
DOCTYPE: LETTER NOTARIZED: NO COPIES RECEIVED SUBJECT: LICENSEE EVENT REPT. NO. 50-331/78-001 CONCERNING THE SETPOINT OF TDS 2260A & TDS 2260B NOT BEING DETERMINED DURING SURVEILLANCE TESTING OF THE HPCI SYSTEM STEAM LEAK DETECTION SYSTEM.			
PLANT NAME: DUANE AF	RNOLD	REVIEWER INITIAL: XRL DISTRIBUTOR INITIAL:	
****	SISTRIBUTION OF THIS MATE	RIAL IS AS FOLLOWS ******************	
INCIDENT REPORTS (DISTRIBUTION CO			
FOR ACTION:	BRANCH CHIEF LEAR**W/4 E	NCL.	
INTERNAL:	REG FILE**W/ENCL SCHRDEDER/IPPOLITO**W/EN NOVAK/CHECK**W/ENCL KNIGHT**W/ENCL HANAUER**W/ENCL EISENHUT**W/ENCL SHAO**W/ENCL KREGER/J. COLLINS**W/ENCL L. CROCKER**W/ENCL	GRIMES**W/ENCL BUTLER**W/ENCL TEDESCO**W/ENCL BAER**W/ENCL VOLLMER/BUNCH**W/ENCL	
EXTERNAL:	LPDR'S CEDAR RAPIDS, IA**W/E TIC**W/ENCL NSIC**W/ENCL ACRS CAT B**W/16 ENCL	NCL	
		COPIES NOT SUBMITTED PER REGULATORY GUIDE 10.1	
DISTRIBUTION: LTF SIZE: 1P+1P+1P	R 45 ENCL 45	CONTROL NBR: 780250143	
***	**************************************	6D ND ***********************************	



## IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER P. O. Box 351 Cedar Rapids, Iowa 52406 January 17, 1978 DAEC-78-33



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. 78-001 (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,

lleve L

Ellery 4. 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

780250143 A002/5

	(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)		
CONTROL BLOCK: $\begin{array}{c c} & & & \\ \hline \\ \hline$	0 - 0 0 3 4 1 1 1 2 9  = 1 3		
CON'T	0 1 0 3 7 8 8 0 1 1 7 7 8 9 9 EVENT DATE 74 75 REPORT DATE 80		
0       2       During surveillance testing of the HPCI system steam leak detection syst			
O]3 [em the setpoint of TDS 2260A and TDS 226	OB could not be determined. Inve		
O 4 stigation revealed TE 2263A and TE 2263B, ventilation outlet air tempera			
[0]5] Lure, were not producing an output signal. Operability requirements list			
0 6 ed in Tech. Spec. Table 3.2-B. HPCI equipment room steam leak detection			
0 7 remained available through room high amb	ient temperature instruments.		
0 8 L 7 8 9 SYSTEM CAUSE CAUSE	COMP. VALVE		
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \end{array} \\ \begin{array}{c} \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} $	DMPONENT CODE SUBCODE SUBCODE SUBCODE SUBCODE $\begin{bmatrix} S & S & S & S & S \\ S & T & R & U & 18 \\ 18 & 19 & 20 \end{bmatrix}$ (16)		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	CODE TYPE NO. $1 \\ 27 \\ 28 \\ 29 \\ 29 \\ 29 \\ 30 \\ 31 \\ 31 \\ 32 \\ 32 \\ 32 \\ 32 \\ 32 \\ 32$		
1       1       parently vibrated loose causing loss of continuity between the temperatu         1       2       1       2         1       2       2       1       2         1       2       2       1       2         1       2       2       2       3         1       2       2       2       3         1       2       2       2       3         1       2       2       3       3         1       2       2       3       3         1       2       2       3       3         1       2       3       3       3         1       2       3       3       3         1       3       3       3       3         1       3       3       3       3         1       3       3       3       3         1       3       3       3       3         1       3       3       3       3       3         1       3       3       3       3       3       3         1       3       3       3       3			
1 3       Corporation Type T Thermocouples. The terminals were tighted and tested			
14   satisfactory. No further corrective action planned.			
STATUS & POWER OTHER STATUS	31 Surveillance Test		
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35 1 6 Z 33 Z 34 NA 7 8 9 10 11 44	46 80 ' LOCATION OF RELEASE 36 J 45 80		
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 9 PERSONNEL INJURIES 13 PERSONNEL INJURIES	80		
	80		
LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION 7 8 9 10 NA	80		
$ \begin{array}{c}                                     $	NRC USE ONLY		
NAME OF PREPARER J. Van Sickel	PHONE: 319-851-5611		

### DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data Docket No. 050-0331

January 17, 1978

Licensee Event Report Date: 1-17-78

Reportable Occurrence No: 78-001

#### **EVENT** DESCRIPTION

During surveillance testing of the HPCI steam leak detection system the setpoint of TDS 2260A and TDS 2260B could not be determined. Investigation revealed TE 2263A and TE 2263B, ventilation outlet air temperature, were not producing an output signal. Leak detection system operability requirements listed in Technical Specifications Table 3.2-B. HPCI equipment room steam leak detection remained available through room high ambient temperature instruments.

#### CAUSE DESCRIPTION

Investigation revealed the terminals of both temperature elements had apparently vibrated loose causing loss of continuity between the temperature differential switches and temperature elements.

#### CORRECTIVE ACTION

The terminals were tightened and tested satisfactory. Both elements are Nooter Corporation Type T Thermocouples. No f corrective action planned.

Both temperature No further

Page 1 of 1



\$

# 1978 JAN 24 AM 11 59

£ ...

U.S. NRC DISTRIBUTION SERVICES BRANCH

.

,