

50-331

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO: Mr. James G. Keppler

FROM: Iowa Elect Light & Power Co.
Cedar Rapids, Iowa 52406
Ellery L. Hammond

DATE OF DOCUMENT

10/05/77

DATE RECEIVED

10/20/77

LETTER
 ORIGINAL
 COPY

NOTORIZED
 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

151240

DESCRIPTION

ENCLOSURE

Licensee Event Report (RO 50-331/77-77) on 09/21/77 concerning HPCI system would not develop sufficient RPM to produce the required flow and discharge pressure during surveillance testing...

1p1p

PLANT NAME: DUANE ARNOLD
jcm 10/21/77

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION

BRANCH CHIEF: (4)
~~W/3 CYS FOR ACTION~~
LIC ASST.:

LEAR

INTERNAL DISTRIBUTION

REG FILE
NRC PDR
I & E (2)
MIPC
SCHROEDER/IPPOLITO
HOUSTON
NOVAK/CHECK
GRIMES
KNIGHT
BUTLER
HANAUER
TEDESCO
EISENHIT
BAER
SHAO
VOLLMER/BUNCH
KREGER/ J. COLLINS
ROSA

EXTERNAL DISTRIBUTION

LPDR: CEDAR RAPIDS 1A-
TIC:
NSIC:
ACRS (16) SENT AS CAT. B

CONTROL NUMBER

772940108

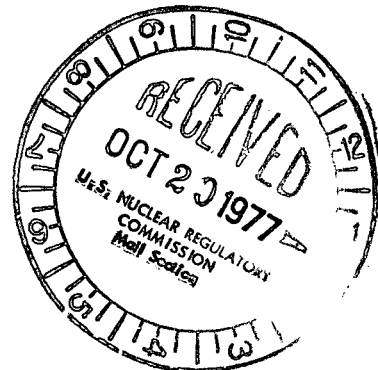
AD4
GD

D. Lanham

REGULATORY DOCKET FILE COPY

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
October 5, 1977
DAEC-77 - 502



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. 77-77
(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,

BR York / for

Ellery L. Hammond
Chief Engineer
Duane Arnold Energy Center

ELH/JVS/mg

Docket 50-331
attachment

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

OCT 7 1977

772940108

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT ALL REQUIRED INFORMATION)

	LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01	I A D A C I	0 0 - 0 0 0 0 0 - 0 0	4 1 1 1 1	0 1
7 8 9	14	15	25	26
	30	31	32	

	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01	CONT	T	L	0 5 0 - 0 3 3 1	0 9 2 1 7 7	1 0 0 5 7 7
7 8	57 58	59	60	61	68	69
				74	75	80

EVENT DESCRIPTION

02 | During Surveillance Testing the HPCI system would not develop sufficient
 7 8 9 | RPM to produce the required flow and discharge pressure. The remaining
 7 8 9 | emergency core cooling systems were operable. Adjustments were made to
 7 8 9 | lube oil control valves and the system tested for satisfactory operatio
 7 8 9 | n. (RO 77-77)
 7 8 9 |

	SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07	S F	D	T U R B I N	N	T 1 4 7	N
7 8 9	10	11	12	17	43	44
				47		48

CAUSE DESCRIPTION

08 | The operating instruction for the HPCI system included a requirement th
 7 8 9 | at the turbine and pump bearing lube oil supply throttling valves be al
 7 8 9 | igned in the full open position. This produced excessive oil demand an
 7 8 9 |

	FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11	E	0 8 7	NA	B	Surveillance Test
7 8	9	10	12 13	44	45
				46	80

	FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12	Z	Z	NA	NA
7 8	9	10	11	44
				45

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION
13	0 0 0	Z	NA
7 8 9	11	12	13

PERSONNEL INJURIES

	NUMBER	DESCRIPTION
14	0 0 0	NA
7 8 9	11	12

OFFSITE CONSEQUENCES

15 | NA
 7 8 9 |

LOSS OR DAMAGE TO FACILITY

	TYPE	DESCRIPTION
16	Z	NA
7 8 9	10	

PUBLICITY

17 | NA
 7 8 9 |

ADDITIONAL FACTORS - Cause Desc. Cont.

18 | d prevented sufficient oil pressure being developed to open the turbine
 7 8 9 |

19 | stop valve far enough to develop rated speed. OI to be corrected.
 7 8 9 |