NRC FORM 195 (2-76)

U.S. NUCLEAR REGULATORY COMMISSION

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

DOCKET NUMBER: 50-331

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: 12/30/77

DATE RECEIVED: 01/10/78

- [X] LETTER
- [X] ORIGINAL
- [ ] COPY
- [ ] NOTORIZED
- [X] UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED: 1 Signed

DESCRIPTION

1p

ENCLOSURE

Licensee Event Report (RO 50-331/77-095) on 12/20/77 concerning during surveilance testing the HPCI system discharge flow rate did not reach the required flow of 3000 GPM in the 25 seconds allowed by the surveillance test...

2p

PLANT NAME: DUANE ARNOLD
jcm 01/10/78

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

1 cy Encl Rec'd *

FOR ACTION/INFORMATION

BRANCH CHIEF:	LEAR
W/ 4 CYS FOR ACTION	
~~LIC. ASST.~~:	

INTERNAL DISTRIBUTION

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

EXTERNAL DISTRIBUTION

- LPDR: Cedar Rapids, IA.
- TIC:
- NSIC:
- ACRS (16) SENT AS CAT. B

CONTROL NUMBER: 780100050

A04

GD

NRC FORM 195 (2-76)

D. Lanham

REGULATORY DOCKET FILE COPY

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406

December 30, 1977
DAEC -77 - 656

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. 77-095
(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,

BRYork for ELH

Ellery L. Hammond
Chief Engineer
Duane Arnold Energy Center

Docket 50-331

attachment

ELH/JVS/mg

cc: Director, Office of Inspection and Enforcement (40)
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

780100050

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

JAN 3 1978

NRC FORM 366 (7-77)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1	LICENSEE CODE: I A D A C 1 (2)	LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 (3)	LICENSE TYPE: 4 1 1 1 1 (4)	CAT (5)

CON'T

0 1	REPORT SOURCE: L (6)	DOCKET NUMBER: 0 5 0 0 0 3 3 1 (7)	EVENT DATE: 1 2 2 0 7 7 (8)	REPORT DATE: 1 2 3 0 7 7 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During Surveillance testing the HPCI system discharge flow rate did not
0 3 reach the required flow of 3000 GPM in the 25 seconds allowed by the s
0 4 urveillance test. Two additional restarts of the system were required t
0 5 o reach design flow rates and time. Flow rate requirement listed in Tec
0 6 h Spec 4.5.D.1. Repetitive occurrence (see RO 77-77). Redundant emerg
0 7 ency core cooling systems operable.
0 8

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	S F (11)	X (12)	Z (13)	T U R B I N (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
7 7	—	0 9 5	/	0 1	T	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
E (18)	L (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	N (25)	T 1 4 7 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Unknown. A check was made of system lube oil line throttling valve sett
1 1 ings and system instrument settings and minor adjustments made where ne
1 2 cessary. Following this the HPCI system operated satisfactory. Furthe
1 3 r surveillance testing will be done to see if the problem is recurring.
1 4

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	E (28)	0 9 9 (29)	NA	B (31)	Surveillance Test

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
1 7	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
1 8	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	NA

PUBLICITY

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

NAME OF PREPARER J. Van Sickel PHONE: 319-851-5611

GPO 917-926

DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data

Docket Number 50-331

December 30, 1977

Licensee Event Report Date: 123077

Reportable Occurrence No: 77-095

Description of Event

During Surveillance Testing on 12/20/77 the HPCI system did not attain the required flow rate of 3000 GPM in the 25 second period allowed by the Surveillance Test. On the second subsequent test the HPCI system reached the design flow rate in the time allowed. The system flow rate requirement is listed in Technical Specification 4.5.D.1. Redundant emergency core cooling systems were immediately tested and found operable. Repetitive occurrence (see RO 77-77).

Cause of Event

Unknown. No definite cause for this event could be determined. During subsequent testing the problem did not reappear.

Correction Action

Although the system lube oil throttling valve settings and system instrument settings were checked and a few minor adjustments made, no real definitive cause of this event was determined and, therefore, no corrective action could appropriately be taken. Further surveillance testing will be done to determine if the problem is recurring.

RECEIVED DOCUMENT
P[illegible]

1973 JAN 9 PM 7 26