

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

REC: KEPPLER J G
NRC

ORG: HAMMOND E L
IA ELEC LIGHT & PWR

DOC DATE: 01/17/78
DATE RCVD: 01/24/78

DDCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 0 ENCL 1

LICENSEE EVENT REPT (RO 50-331/78-002) ON 01/03/78 CONCERNING DURING SPECIAL TESTING THE HPCI SYSTEM ISOLATED DUE TO TURBINE EXHAUST LINE DIAPHRAM INDICATED HIGH PRESSURE DUE TO PSE 2213 DEVEOLPING PINHOLE LEAK.

PLANT NAME: DUANE ARNOLD

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL:

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

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION: BRANCH CHIEF LEAR**W/4 ENCL

INTERNAL:

REG FILE**W/ENCL
I & E**W/2 ENCL
SCHROEDER/IPPOLITO**W/ENCL
NOVAK/CHECK**W/ENCL
KNIGHT**W/ENCL
HANAUER**W/ENCL
EISENHUT**W/ENCL
SHAD**W/ENCL
KREGER/J. COLLINS**W/ENCL
L. CROCKER**W/ENCL

NRC PDR**W/ENCL
MIPC**W/3 ENCL
HOUSTON**W/ENCL
GRIMES**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

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

CONTROL NBR: 780240048

***** THE END *****

GD
As 4

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
January 17, 1978
DAEC-78-32



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. 78-002
(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,

Ellery L. Hammond
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

780240048

A002/S *
0/1

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: 78-002

EVENT DESCRIPTION

During special testing the HPCI system isolated due to turbine exhaust line diaphragm high pressure. The exhaust diaphragm is designed to prevent excessive pressure build up in the HPCI turbine exhaust line and consists of two rupture disks, PSE 2213 and PSE 2214 in series, with pressure sensing instrumentation between. The HPCI system was declared inoperable as a result of this event and an investigation begun. HPCI system operability requirements listed in Technical Specification 3.5.D.1. Redundant ECCS's tested operable.

CAUSE DESCRIPTION

Investigation revealed PSE 2213 had developed a pinhole leak which created sufficient pressure between the rupture disks to cause a HPCI system isolation. The cause of the leak was not determined. PSE 2213 is a Continental Disk Corporation 16 inch rupture disk.

CORRECTIVE ACTION

The disk was replaced with a like-for-like spare and the HPCI system tested and returned to service. No further corrective action planned.

RECEIVED DOCUMENT
CONTROL DESK

1978 JAN 21 AM 8 03

U.S. ARC
DISTRIBUTION SERVICES
BRANCH