

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8812140044	DOC.DATE: 88/12/06	NOTARIZED: NO	DOCKET #
FACIL:50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow			05000331
AUTH.NAME	AUTHOR AFFILIATION		
DANIELSON,D.	Region 3, Ofc of the Director		
HARRISON,J.	Region 3, Ofc of the Director		
RECIP.NAME	RECIPIENT AFFILIATION		

SUBJECT: PNO-III-88-098:on 881121,pinhole leaks in control rod drive hydraulic lines.

DISTRIBUTION CODE: IE34D COPIES RECEIVED: LTR 0 ENCL 1 SIZE: 1
TITLE: Preliminary Notification-Occurrence/Non-Routine Event/Safeguards Event

NOTES:

RECIPIENT ID CODE/NAME		COPIES LTTR ENCL		RECIPIENT ID CODE/NAME		COPIES LTTR ENCL	
INTERNAL:	AEOD/DSP/TPAB	1	1	NRC OP CNTR	1	1	
	NRR/DOEA/EAB 11	1	1	NRR/DRIS/SGB 9A	1	1	
	NRR/DRIS/SIB 9A	1	1	NRR/PMAS/ILRB12	1	1	
	<u>NUDOCS=ABSTRACT</u>	1	1	OE LIEBERMAN, J	1	1	
	<u>REG FILE</u> 02	1	1	RES BROOKS, B	1	1	
	RES DEPY	1	1	RES FILE	1	1	
	RES/DE	1	1	RES/DRA	1	1	
	RES/DSIR	1	1	RES/DSIR/EIB	1	1	
	RES/DSR DEPY	1	1	RES/PMPDAS	1	1	
	RGN3 FILE 01	1	1				
EXTERNAL:	DOE BARBER EV34	1	1	LPDR	1	1	
	NRC PDR	1	1	NSIC	1	1	

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR ~~23~~ ENCL 23

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region III staff on this date.

Facility: Iowa Electric Light & Power Co.
Duane Arnold Energy Center
Palo, IA 52324

Docket No. 50-331

Licensee Emergency Classification:
____ Notification of an Unusual Event
____ Alert
____ Site Area Emergency
____ General Emergency
X Not Applicable

Subject: PINHOLE LEAKS IN CONTROL ROD DRIVE (CRD) HYDRAULIC LINES

On November 21, 1988, while the unit was shut down for refueling, the licensee identified a pin hole leak in a Control Rod Drive insert line inside the drywell. Subsequent liquid penetrant examination found two additional leaking lines and 30 lines with indications which had not penetrated the pipe walls. There are a total of 178 control rod drive insert and withdrawal lines.

Metallurgical examination of the leaking lines determined the cause of the defects to be chloride externally induced stress corrosion cracking. The licensee is currently investigating possible sources of the chlorides within containment associated with the defects.

The licensee has removed the 33 hydraulic lines with leaks or indications; 19 are withdraw lines and 14 are insert lines. Replacement is expected to take about a week.

A Region III (Chicago) engineering specialist and an NRC consultant observed the metallurgical analysis. The specialist and the resident inspectors will continue to monitor the licensee's repair activities and its evaluation of the problem.

The State of Iowa will be notified.

Region III was initially notified of the leaking hydraulic line on November 21, 1988. This information is current as of 2:00 p.m., December 6, 1988.

CONTACT: *LDH*
D. Danielson
FTS 388-5610

8812140044 881206
PDR I&E
PNO-III-88-098 PDC

JH
J. Harrison
FTS 388-5635

DISTRIBUTION:

WFN 1
Chairman Zech
Comm. Roberts
Comm. Carr
Comm. Rogers
Comm. Curtiss
SECY

MNBB
AEOD
ARM
1WFN
PA
OGC

1WFN
NRR

E/W
OIA
OI

Resident Inspector Offices
Resident Inspector

WFN 1
NMSS
SLITP
Mail To:
DCS (Original)
DOT (Trans. Only)

OGC-H
CA
GPA
ACRS
PDR

FAX TO:
INPO 4:03
NSAC 4:05
Licensee 4:09
HQS. Operations Officer 4:07

Nicholson Lane
RES

Regions
Region I
Region II
Region IV
Region V

Region III

0/1
IE34