

A 07/07/78

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: 06/23/78  
DATE RCVD: 07/06/78

DOCTYPE: LETTER NOTARIZED: NO  
SUBJECT:

COPIES RECEIVED  
LTR 1 ENCL 1

FORWARDING UPDATED LICENSEE EVENT REPT (RO 50-331/78-013) ON 02/22/77  
CONCERNING DURING UNRELATED SURVEILLANCE TESTING, IT WAS NOTED THAT RHR  
SUCTION SNUBBER MOUNTING BASE PLATE WAS PULLED LOOSE FROM THE WALL, DUE  
APPARENT INADEQUATE CONCRETE ANCHOR INSTALLATION

PLANT NAME: DUANE ARNOLD

REVIEWER INITIAL: XJM  
DISTRIBUTOR INITIAL: N

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

INCIDENT REPORTS  
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF ORB#3 BC\*\*W/4 ENCL

INTERNAL:	REG FILE**W/ENCL	NRC PDR**W/ENCL
	I & E**W/2 ENCL	MIPC**W/3 ENCL
	I & C SYSTEMS BR**W/ENCL	EMERGENCY PLAN BR**W/ENCL
	NOVAK/CHECK**W/ENCL	EEB**W/ENCL
	AD FOR ENG**W/ENCL	PLANT SYSTEMS BR**W/ENCL
	HANAUER**W/ENCL	AD FOR PLANT SYSTEMS**W/ENCL
	AD FOR SYS & PROJ**W/ENCL	REACTOR SAFETY BR**W/ENCL
	ENGINEERING BR**W/ENCL	VOLLMER/BUNCH**W/ENCL
	KREGER/J. COLLINS**W/ENCL	POWER SYS BR**W/ENCL
	K SEYFRIT/IE**W/ENCL	

EXTERNAL: LPDR'S  
CEDAR RAPIDS, IA\*\*W/ENCL  
TIC\*\*W/ENCL  
NSIC\*\*W/ENCL  
ACRS CAT B\*\*W/16 ENCL

A104

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

CONTROL NBR: 781870124

\*\*\*\*\* THE END \*\*\*\*\*

60

\*\*\* MASTER ROSTER \*\*\*  
\*\*\* PUBLICATIONS

DIVISION	I-----	DISTRIBUTION	CODES	1 - 17	-----I
TITLE	I-----	DISTRIBUTION	QTY	1 - 17	-----I
CITY	I-----	DISTRIBUTION	CODES	18 - 34	-----I
CORP. TYPE	I-----	DISTRIBUTION	QTY	18 - 34	-----I
	I-----	DISTRIBUTION	CODES	35 - 50	-----I
	I-----	DISTRIBUTION	QTY	35 - 50	-----I

LICENSING DIVISION NJ 1  
 DIRECTOR 1  
 SAN DIEGO CA 92138

WAS COOLED FAST REACTOR DIV SN SR SF SE SM SP ST SO SA SG  
 MANAGER 1 1 1 1 1 1 1 1 1 1  
 SAN DIEGO CA 92138

SN SR SF SE SM SP ST SO SA SG  
 SAN DIEGO CA 92138 1 1 1 1 1 1 1 1 1 1

SN SR SF SE SM SP ST SO SA SG  
 SAN DIEGO CA 92138 1 1 1 1 1 1 1 1 1 1

NUCLEAR ENERGY DIVISION RT 1  
 LIBRARIAN 1  
 SAN JOSE CA 92138

NB 1  
 SAN DIEGO CA 92138

CW 1  
 SAN DIEGO CA 92138

CW 1  
 SAN DIEGO CA 92138

CW 1  
 SAN DIEGO CA 92138

RECTOR, LWR FUEL FABRICATION CW 1  
 SAN DIEGO CA 92138

HEALTH PHYSICS DEPT NR 1  
 MANAGER 1  
 SAN DIEGO CA 92138

REGULATION DOCKET FILE COPY  
D. Lanthorn

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
June 23, 1978  
DAEC - 78 - 314

1978 JUL 6 AM 9 07  
DIRECTOR'S OFFICE  
REGULATORY SERVICES  
BRANCH

Mr. James G. Keppler, Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission-Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

UPDATE REPORT - PREVIOUS  
REPORT DATE 030377

Subject: Licensee Event Report No. 77-013  
(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/DLW/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

JUN 29 1978

781870124

A002  
5/11



DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data  
050-0331

Licensee Event Report Date: June 26, 1978

Reportable Occurrence No: 77-013

Description of Occurrence:

During unrelated surveillance testing, it was noted that an RHR suction snubber mounting base plate was pulled loose from the wall. As a result, an inspection of snubbers outside of primary containment was initiated. The results of the inspection was as follows:

Concrete anchors loose or missing

1. HBB-24-SS-229, S/D cooling suction
2. HBB-24-SS-228, (2) RHR S/D cooling suction
3. GBB-4-SS-211, RHR Loop "A" discharge

Concrete anchor bolts loose

1. GBB-4-SS-213, RHR loop "A" discharge
2. GBB-4-SS-210, RHR loop "A" discharge
3. GBB-3-SS-238, RHR loop "B" discharge
4. HBB-2-SS-7, "A" core spray pump suction

Cause

The apparent cause of the occurrence was inadequate installation of the snubber mounting concrete anchors.

Corrective Action

All of the above concrete anchors were repaired and the bolts were retightened.

An investigation was performed to verify the adequacy of concrete expansion anchors. The investigation included a visual inspection of all accessible hangers, restraints and shock suppressor mountings in the RHR, HPCI and RCIC systems. Based on the results of the visual inspection, a selected number of mountings were tested for proper torque on the concrete anchors. Several discrepancies were identified and corrected. The overall conclusion of the investigation was that the concrete expansion anchors offer more than adequate design margins with respect to pull-out and shear capabilities of the installation technique called for by each specific manufacturer is adhered to. A selected percentage of the anchors were retested during the 1978 outage with satisfactory results.