

50-331

## NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

DATE OF DOCUMENT

9-16-77

DATE RECEIVED

10-11-77

TO: ~~/// Iowa Elec Light & Pwr Co~~  
~~Hammond E L~~ Keppler J GFROM: Iowa Elec Light & Pwr Co  
Cedar Rapids, Ia  
Hammond E L☒ LETTER  
☒ ORIGINAL  
☐ COPY☐ NOTORIZED  
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1 signed

## DESCRIPTION

1p

PLANT NAME: Duane Arnold

10-13-77 ehf

## ENCLOSURE

Licensee Event Report (RO#77-70) on 9-4-77  
concerning inoperability of snubbers due to  
low oil level.....

1p

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

1 CY ENCL Rec'd \*

## FOR ACTION/INFORMATION

BRANCH CHIEF:  
W/ 3 CYS FOR ACTION  
LIC ASST.:LEAR  
PARRISH

## INTERNAL DISTRIBUTION

REG FILE

NRC-PDR

I &amp; E (2)

MIPC

SCHROEDER/IPPOLITO

HOUSTON

NOVAK/CHECK

GRIMES

KNIGHT

BUTLER

HANAUER

TEDESCO

EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/ J. COLLINS

ROSA

## EXTERNAL DISTRIBUTION

LPDR: Cedar Rapids, IA

TIC:

NSIC:

ACRS (16) SENT AS CAT. B

## CONTROL NUMBER

772860307

A04

60

*D. L. Sanham*  
REGULATORY DOCKET FILE COPY

## IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
September 16, 1977  
DAEC -77 - 474

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. 77-70  
(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

ELH/JVS/mg  
Docket 50-331  
attachment

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

SEP 19 1977

772860307

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME <span style="border: 1px solid black; padding: 2px;">01</span> <span style="border: 1px solid black; padding: 2px;">I</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">D</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">C</span> <span style="border: 1px solid black; padding: 2px;">1</span>	LICENSE NUMBER <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>	LICENSE TYPE <span style="border: 1px solid black; padding: 2px;">4</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span>	EVENT TYPE <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">1</span>
CATEGORY <span style="border: 1px solid black; padding: 2px;">01</span> CONT	REPORT TYPE <span style="border: 1px solid black; padding: 2px;">T</span>	REPORT SOURCE <span style="border: 1px solid black; padding: 2px;">L</span>	DOCKET NUMBER <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">5</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">3</span> <span style="border: 1px solid black; padding: 2px;">3</span> <span style="border: 1px solid black; padding: 2px;">1</span>
EVENT DATE <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">9</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">4</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">7</span>	REPORT DATE <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">9</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">6</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">7</span>		

## EVENT DESCRIPTION

<span style="border: 1px solid black; padding: 2px;">02</span>	During special visual inspection five hydraulic shock suppressors (snub	80
<span style="border: 1px solid black; padding: 2px;">03</span>	bers) listed in table 4.6.4 of Tech Spec were found to be inoperable	80
<span style="border: 1px solid black; padding: 2px;">04</span>	due to low oil levels in their accumulators. The snubbers were otherwis	80
<span style="border: 1px solid black; padding: 2px;">05</span>	e intact. Repetitive occurrence (see R0 77-24). All five snubbers were	80
<span style="border: 1px solid black; padding: 2px;">06</span>	replaced. (R0 77-70)	80

SYSTEM CODE <span style="border: 1px solid black; padding: 2px;">07</span> <span style="border: 1px solid black; padding: 2px;">X</span> <span style="border: 1px solid black; padding: 2px;">X</span>	CAUSE CODE <span style="border: 1px solid black; padding: 2px;">E</span>	COMPONENT CODE <span style="border: 1px solid black; padding: 2px;">H</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">N</span> <span style="border: 1px solid black; padding: 2px;">G</span> <span style="border: 1px solid black; padding: 2px;">E</span> <span style="border: 1px solid black; padding: 2px;">R</span>	PRIME COMPONENT SUPPLIER <span style="border: 1px solid black; padding: 2px;">A</span>	COMPONENT MANUFACTURER <span style="border: 1px solid black; padding: 2px;">B</span> <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">0</span>	VIOLATION <span style="border: 1px solid black; padding: 2px;">Y</span>
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## CAUSE DESCRIPTION

<span style="border: 1px solid black; padding: 2px;">08</span>	The snubbers were determined to have failed due to leaking seals. The s	80
<span style="border: 1px solid black; padding: 2px;">09</span>	nubbers are Bergan Patterson Series HSSA. All five hydraulic snubbers w	80
<span style="border: 1px solid black; padding: 2px;">10</span>	ere replaced with Pacific Scientific mechanical snubbers.	80

FACILITY STATUS <span style="border: 1px solid black; padding: 2px;">11</span> <span style="border: 1px solid black; padding: 2px;">G</span>	% POWER <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>	OTHER STATUS NA	METHOD OF DISCOVERY <span style="border: 1px solid black; padding: 2px;">C</span>	DISCOVERY DESCRIPTION Special Inspection
FORM OF ACTIVITY RELEASED <span style="border: 1px solid black; padding: 2px;">12</span> <span style="border: 1px solid black; padding: 2px;">Z</span>	CONTENT OF RELEASE <span style="border: 1px solid black; padding: 2px;">Z</span>	AMOUNT OF ACTIVITY NA	LOCATION OF RELEASE NA	

## PERSONNEL EXPOSURES

<span style="border: 1px solid black; padding: 2px;">13</span>	NUMBER <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>	TYPE <span style="border: 1px solid black; padding: 2px;">Z</span>	DESCRIPTION NA
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## PERSONNEL INJURIES

<span style="border: 1px solid black; padding: 2px;">14</span>	NUMBER <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>	DESCRIPTION NA
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## OFFSITE CONSEQUENCES

<span style="border: 1px solid black; padding: 2px;">15</span>	NA
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## LOSS OR DAMAGE TO FACILITY

<span style="border: 1px solid black; padding: 2px;">16</span>	TYPE <span style="border: 1px solid black; padding: 2px;">Z</span>	DESCRIPTION NA
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## PUBLICITY

<span style="border: 1px solid black; padding: 2px;">17</span>	NA
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## ADDITIONAL FACTORS

<span style="border: 1px solid black; padding: 2px;">18</span>	NA
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<span style="border: 1px solid black; padding: 2px;">19</span>	NA
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NAME: J. Van Sickel PHONE: 319-851-5611