

50-331

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO: Mr. James G. Keppler

FROM: Iowa Elect. Light & Pwr Co.  
Cedar Rapids, Iowa 52406  
Ellery L. Hammond

DATE OF DOCUMENT

09/22/77

DATE RECEIVED

10/11/77

LETTER  
 ORIGINAL  
 COPY

NOTORIZED  
 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1 SIGNED CY

DESCRIPTION

PLANT NAME: DUANE ARNOLD  
jcm 10/12/77

ENCLOSURE  
Updated Licensee Event Report (RO 50-331/77-32) on 04/13/77 concerning one lower crankshaft main and one thrust bearing were found "wiped" on journal and thrust surfaces during annual inspection of standby diesel generator 1G31...

1p 1p

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

FOR ACTION/INFORMATION

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

INTERNAL DISTRIBUTION

<del>REG FILE</del>			
NRC PDR			
I & E (2)			
MIPC			
SCHROEDER/IPPOLITO			
HOUSTON			
NOVAK/CHECK			
GRIMES			
KNIGHT			
BUTLER			
HANAUER			
TEDESCO			
EISENHIT			
BAER			
SHAO			
VOLLMER/BUNCH			
KREGER/ J. COLLINS			
ROSA			

EXTERNAL DISTRIBUTION

LPDR: CEDAR RAPIDS, IA		
TIC:		
NSIC:		
ACRS (16) SENT AS CAT. B		

CONTROL NUMBER

772850081

A04

60

*D. Lanham*

REGULATORY DOCKET FILE COPY

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
September 22, 1977  
DAEC -77 - 485



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. Update RO 77-32  
(14 day) Previous Report Date 042777

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/DLW/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

772850081

SEP 26 1977

# LICENSEE EVENT REPORT

Update Report  
Previous Report Date  
042777

CONTROL BLOCK:

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME:  I  A  D  A  C  I  
LICENSE NUMBER:  0  0  -  0  0  0  0  0  -  0  0  
LICENSE TYPE:  4  1  1  1  1  
EVENT TYPE:  0  1

CATEGORY:  0  1 CONT  
REPORT TYPE:  T  
REPORT SOURCE:  L  
DOCKET NUMBER:  0  5  0  -  0  3  3  1  
EVENT DATE:  0  4  1  3  7  7  
REPORT DATE:  0  9  2  1  7  7

### EVENT DESCRIPTION

02 | During annual inspection of standby diesel generator 1G31, one lower crankshaft main and one thrust bearing were found "wiped" on journal and thrust surfaces. Bearings were replaced and engine to generator was re-aligned. Standby diesel was tested and returned to service. Alignment to be checked during 1978 refuel and after approximately 100 hours operation.

SYSTEM CODE:  E  F  
CAUSE CODE:  F  
COMPONENT CODE:  E  N  G  I  N  E  
PRIME COMPONENT SUPPLIER:  A  
COMPONENT MANUFACTURER:  C  4  7  0  
VIOLATION:  N

### CAUSE DESCRIPTION

08 | Improper alignment of engine to generator causing overload to bearings.  
 09 | Generator alignment to engine was high.  
 10 | Cause of misalignment unknown.

FACILITY STATUS:  H  
% POWER:  0  0  0  
OTHER STATUS:  NA  
METHOD OF DISCOVERY:  B  
DISCOVERY DESCRIPTION: Surveillance Test

FORM OF ACTIVITY RELEASED:  Z  
CONTENT OF RELEASE:  Z  
AMOUNT OF ACTIVITY:  NA  
LOCATION OF RELEASE:  NA

### PERSONNEL EXPOSURES

NUMBER:  0  0  0  
TYPE:  Z  
DESCRIPTION:  NA

### PERSONNEL INJURIES

NUMBER:  0  0  0  
DESCRIPTION:  NA

### OFFSITE CONSEQUENCES

15 |  NA

### LOSS OR DAMAGE TO FACILITY

TYPE:  Z  
DESCRIPTION:  NA

### PUBLICITY

17 |  NA

### ADDITIONAL FACTORS

18 | Event Desc. Cont. - ration. (RO 77-32)

19 |

NAME: D. Wilson PHONE: 319-851-5611