

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL**

FILE NUMBER  
**INCIDENT REPORT**

TO: Mr. James G. Keppler

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

DATE OF DOCUMENT  
06-10-77

DATE RECEIVED  
06-21-77

LETTER  
 ORIGINAL  
 COPY

NOTORIZED  
 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED  
**1 SIGNED**

DESCRIPTION

1 page

PLANT NAME: DUANE ARNOLD  
jcm 06-22-77

ENCLOSURE Licensee Event Report (RO-50-331/77-43) on 05-12-77 concerning 1G-31 Standby Diesel Generator did not pick up its full rated load of 2850 KW due to speed setting adjustment dial on engine governor was not set to produce rated RPM...w/supplemental Data sheet...

2 page

**ACKNOWLEDGED**

**DO NOT REMOVE**

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

FOR ACTION/INFORMATION

BRANCH CHIEF:	<i>Lear</i>
W/3 CYS FOR ACTION	
LIC. ASST.:	<i>Parrish</i>
W/1 CYS	
ACRS 16 CYS HOLDING/SENT	<i>AS CAT B</i>

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE				
<input type="checkbox"/> NRC PDR				
<input type="checkbox"/> I & E (2)				
<input type="checkbox"/> MIPC				
<input type="checkbox"/> SCHROEDER/IPPOLITO				
<input type="checkbox"/> HOUSTON				
<input type="checkbox"/> NOVAK/CHECK				
<input type="checkbox"/> GRIMES				
<input type="checkbox"/> BUTLER				
<input type="checkbox"/> HANAUER				
<input type="checkbox"/> TEDESCO/MACCARY				
<input type="checkbox"/> EISENHUT				
<input type="checkbox"/> BAER				
<input type="checkbox"/> SHAO				
<input type="checkbox"/> VOLLMER/BUNGH				
<input type="checkbox"/> KREGER/J. COLLINS				

EXTERNAL DISTRIBUTION

LPDR: <i>Cedar Rapids, Ia</i>	
TIC:	
NSIC:	

CONTROL NUMBER

**771740106**

*A04*

*60*

*C. Latham*

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
June 10, 1977  
DAEC-77 - 320

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. 77-43  
(30 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/mg

REGULATORY DOCKET FILE COPY

cc: Director, Office of Inspection and Enforcement (30)  
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

771740106

JUN 13 1977



DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data

Licensee Event Report Date: 061077

Reportable Occurrence No: 77-43

DESCRIPTION OF OCCURRENCE

When the monthly operability test of 1G-31 standby diesel generator was conducted on May 12, 1977 the engine would not load to its full rated load of 2850 KW. The maximum attainable load was 2500 KW. The speed setting adjustment dial on the engine governor was found to be at a setting which prevented operation at full rated load. After adjustment the generator produced satisfactory performance.

CAUSE OF OCCURRENCE

The operability test conducted at the conclusion of the annual inspection did not contain a requirement for ensuring the speed setting adjustment dial was set to a value corresponding to rated RPM. The value the dial was set at prevented the engine from reaching full rated power while still allowing the electric governor to bring the engine to rated RPM. The procedure also only required loading the generator to 2500 KW which does not ensure the generator is capable of carrying the full rated load of 2850 KW.

ANALYSIS OF OCCURRENCE

This occurrence did not present an unsafe plant condition as the reactor was still shutdown from the just concluded refueling outage, the redundant 1G-21 standby diesel generator was operable and, although not capable of full rated load, the 1G-31 standby diesel generator was operable but at a slightly reduced capacity.

CORRECTIVE ACTION

The annual Diesel Engine Inspection Surveillance Test Procedure shall be modified such that the operability test portion will require ensuring the speed setting adjustment dial is set to the value corresponding to rated RPM and the load test be done at full rated load.

RECEIVED DOCUMENT  
PROCESSING UNIT

1977 JUN 21 PM 5 11