

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER

P. O. Box 351

Cedar Rapids, Iowa 52406

April 19, 1978

DAEC - 78 - 224

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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. 78-020
(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
Chief Engineer
Duane Arnold Energy Center

Docket 50-331

attachment

ELH/JVS/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

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DOANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data

Docket Number 050-0331

Licensee Event Report Date: 4-19-78

Reportable Occurrence No: 78-020

Event Description

During the annual inspection of standby diesel generator 1G-31 the lower crankshaft main thrust bearing was found wiped on both the journal and thrust surfaces. The bearing was also out-of-alignment and had rotated sufficiently to shear the bearing dowel pin. Further investigation revealed the generator bearing had been "creeping" slightly on the generator shaft. Redundant standby diesel 1G-21 annual inspection found none of these problems and 1G-21 is operable. Standby diesel generator operability requirements listed in Technical Specification 3.8.A.2. There has been one previous similar event (See RO 77-32).

Cause Description

A definite cause has not yet been determined. The vendor is currently conducting an investigation the results of which should be available in the near future.

Corrective Action

The diesel thrust bearing and bearing saddle and the generator bearing have been replaced. The engine and generator were aligned and are currently being tested. No more corrective actions are planned unless necessitated by the results of the vendor investigation.