

*MBB*

Iowa Electric Light and Power Company

March 31, 1980  
DAEC - 80 - 174

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

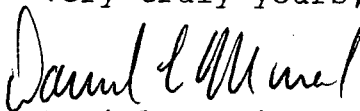
Subject: Licensee Event Report No. 80-011  
(14 day)

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,



Daniel L. Mineck  
Chief Engineer  
Duane Arnold Energy Center

Docket 50-331

attachment

DLM/DWT/n

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

*A002*  
*S*  
*1/1*

APR 2 1980

8004040400

DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data

Docket No. 050-0331

Licensee Event Report Date: March 31, 1980

Reportable Occurrence No: 80-011

Event Description

During the annual inspection of standby diesel generator 1G-21, the lower crankshaft main bearing (#12) was found wiped and thrust bearing (#13) was found wiped on both the journal and thrust surfaces. Further investigation revealed that the lube oil sump level was low which likely caused insufficient bearing lubrication. Redundant standby diesel generator 1G-31 annual inspection revealed similar problems (See RO Report 80-012). Although both diesel generators were operable at the time of the surveillance testing, extended operation, without corrective action, could have resulted in the bearing failure. Standby diesel generator operability requirements are listed in Technical Specification 3.8.A.2. There have been two similar RO reports previously submitted (See RO 77-32 and 78-20). This unit is a Fairbanks Morse Model 3800TD 8-1/8.

Cause Description

Vendor representative indicated that the diesel generator bearing had not failed and the bearing clearances were within specs. Both surfaces of the bearing being wiped would indicate that an insufficient lubrication problem exists. The vendor analysis continues and the results will be provided when available. The diesel generator lube oil sump level was maintained in accordance with the manufacturer's technical manual. However, the vendor representative indicated that the level was too low. The "full" mark on the sump dipstick was relabelled "running" full and a new higher "shutdown" full level mark was added to the stick to preclude improper sump fill in the future.

Corrective Action

The main (#12) bearing and thrust (#13) bearing were completely replaced, the lower half of #14 bearing was replaced, and the bearing-to-crankshaft clearance was verified to be in accordance with specifications. The #14 bearing was replaced for alignment reasons. The crankshaft was relapped and the diesel generator was reassembled and tested satisfactorily.

The lube oil sump dipstick was relabelled to clarify the "full" sump level. Oil was added to fill the sump. Maintenance procedures will be changed as necessary to reflect the new dipstick markings.