

RMB/LEP

50-331

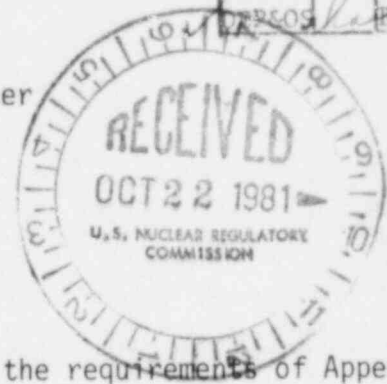
Iowa Electric Light and Power Company
October 14, 1981
DAEC-81-508

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

PRINCIPAL STAFF	
✓ DIR	✓ [Signature]
D/D	PAO
A/D	SLO
✓ DR&PI	
✓ DE&TI	[Signature]
✓ DE&OS	File

orig

Re: Duane Arnold Energy Center
Subject: Unique Report 81-5
File: A-118, NRC-1



Dear Mr. Keppler:

This report is submitted in accordance with the requirements of Appendix A to Operating License DPR-49, Specification 6.11.3.

Problem:

On September 14, 1981, during an annual surveillance test, diesel fire pump 1P-49 did not develop the required flow rate or discharge pressure. Technical Specification 4.13.B.1.e requires this pump to deliver at least 3100 gpm at a discharge pressure of 112 PSIG. The pump instrumentation indicated the pump was delivering 2000 gpm at 100 PSIG. Electric fire pump 1P-48 was demonstrated operable immediately and daily thereafter, while 1P-49 was out of service, to satisfy Technical Specification 4.13.B.2. 1P-49 was disassembled and the bowl assembly was replaced. Following reassembly, the pump was again tested but still would not meet the head and flow requirements.

Cause:

Investigation revealed the cause of the low flow and discharge pressure from 1P-49 was a broken tensioning rod in the pumps minimum flow valve, PSV-3300. This was allowing a significant portion of the water being delivered by the pump to be diverted from the fire system back to the circulating water system pit.

Corrective Action:

The tensioning rod in PSV-3300 was replaced and the diesel fire pump was satisfactorily tested and returned to service on September 25, 1981. No further corrective action is planned at this time.

IE22
S/O

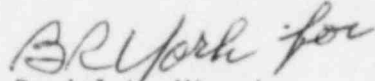
OCT 16 1981

8110230353 811014
PDR ADDCK 05000331
S PDR

Mr. James G. Keppler
October 14, 1981
Page 2

This report has been reviewed by the DAEC Operations Committee.

Very truly yours,

A handwritten signature in cursive script, appearing to read "D. Mineck" or "D. V. Mineck", written in dark ink.

Daniel V. Mineck
Chief Engineer
Duane Arnold Energy Center

DLM/JVS/pl

Docket No. 50-0331

cc: L. Root
D. McGaughy
B. York
J. Vinqvist
R. Anderson
NRC Resident Office