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AUTH.NAME AUTHOR AFFILIATION
RAGER,M.S. Iowa Electric Light & Power Co.
RECIP.NAME RECIPIENT AFFILIATION
Region 3, Chicago, Office of the Director

SUBJECT: LER 77-057/03X-1:on 770714,emergency svc water pump A was inoperable.Caused by river temp exceeding temp that allowed pump to provide sufficient flow for design cooling tasks. Pump replaced.

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TITLE: Incident Reports

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DSB

Iowa Electric Light and Power Company

April 28, 1981
DAEC-81-268

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. 77-057 (30 day) UPDATE REPORT: Previous Report Date 8-5-77

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,

D.L. Wilson for

Daniel L. Mineck
Chief Engineer
Duane Arnold Energy Center

DLM/MSR/pl

Docket 50-331

attachment

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

U. S. Nuclear Regulatory Commission
c/o Document Management Branch
Washington, D. C. 20555

NRC Resident Inspector - DAEC

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NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

UPDATE REPORT: Previous Report Date 8-5-77

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | IADAC1 (2) | 00-000000-00 (3) | 4111111 (4) | (5)
LICENSEE CODE (9–14) | LICENSE NUMBER (15–25) | LICENSE TYPE (26–30) | CAT (57–58)

CON'T
01 | REPORT SOURCE L (6) | 05003311 (7) | 071477 (8) | 042881 (9)
DOCKET NUMBER (61–68) | EVENT DATE (69–74) | REPORT DATE (75–80)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal power operation, the river temperature was above 89.9 deg
03 rees F for 4 hours and 20 minutes. The "A" Emergency Service Water pump
04 -1P-99A-could provide sufficient flow to meet its design cooling tasks
05 with a river water temp of 89.9 degrees F or less. The "A" loop was the
06 refore inop until the water temp fell below this temp. This initiated a
07 7-day LCO in accordance with Tech Spec 3.8.C.2. The "B" ESW System was
08 proven operable. Was a repetitive problem.

09 | SYSTEM CODE SH (11) | CAUSE CODE B (12) | CAUSE SUBCODE Z (13) | COMPONENT CODE PUMPXX (14) | COMP. SUBCODE Z (15) | VALVE SUBCODE Z (16)

(17) LER/RO REPORT NUMBER: EVENT YEAR 77 (21–22) | — (23) | SEQUENTIAL REPORT NO. 057 (24–26) | / (27) | OCCURRENCE CODE 03 (28–29) | REPORT TYPE X (30) | — (31) | REVISION NO. 1 (32)

ACTION TAKEN C (18) (33) | FUTURE ACTION Z (19) (34) | EFFECT ON PLANT Z (20) (35) | SHUTDOWN METHOD Z (21) (36) | HOURS 0000 (22) (37–40) | ATTACHMENT SUBMITTED N (23) (41) | NPRD-4 FORM SUB. N (24) (42) | PRIME COMP. SUPPLIER A (25) (43) | COMPONENT MANUFACTURER L095 (26) (44–47)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Initial pump design was inadequate to provide proper flow to fulfill coo
11 ling requirements. The Layne and Bowler type 12RH pumps were replaced du
12 ring the 1980 refuel outage with a Johnston Pump, type 12DC. These pumps
13 are expected to fulfill the flow requirements necessary for adequate coo
14 ling. No further corrective action is planned.

15 | FACILITY STATUS E (28) | % POWER 088 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY A (31) | DISCOVERY DESCRIPTION (32) Operator Observation

16 | ACTIVITY RELEASED Z (33) | CONTENT OF RELEASE Z (34) | AMOUNT OF ACTIVITY (35) NA | LOCATION OF RELEASE (36) NA

17 | PERSONNEL EXPOSURES NUMBER 000 (37) | TYPE Z (38) | DESCRIPTION (39) NA

18 | PERSONNEL INJURIES NUMBER 000 (40) | DESCRIPTION (41) NA

19 | LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) | DESCRIPTION NA (43)

20 | PUBLICITY ISSUED N (44) | DESCRIPTION (45) NA | NRC USE ONLY

NAME OF PREPARER Matthew S. Rager PHONE: 319-851-5611

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