

DSB

Iowa Electric Light and Power Company

June 20, 1980
DAEC - 80 - 294

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. 80-020
(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,



Daniel L. Mineck
Chief Engineer
Duane Arnold Energy Center

Docket 50-331

attachment

DLM/MSR/rs

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

Duane Arnold Energy Center • P.O. Box 351 • Cedar Rapids, Iowa 52406 • 319/851-5611

1002
5/11

JUN 23 1980

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LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CONTROL BLOCK: ①

⑦ ⑧ ① | I | A | D | A | C | 1 | ② 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | ③ ④ 4 | 1 | 1 | 1 | 1 | 1 | ④ 4 | 1 | 1 | 1 | 1 | ⑤
 7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T
 ⑦ ⑧ ① | REPORT SOURCE | ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟
 7 8 9 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

⑦ ⑧ ⑨ ② | During normal surveillance testing of emergency bus time-delay relays, 80
 ⑦ ⑧ ⑨ ③ | Seven out of eight of the Gould ITE-27D undervoltage relays were found
 ⑦ ⑧ ⑨ ④ | to have time delays exceeding 8.5 secs. This is in violation of Tech Spe
 ⑦ ⑧ ⑨ ⑤ | c 3.2.B. Had under-voltage been detected the switches were still capable
 ⑦ ⑧ ⑨ ⑥ | of operating correctly with only a few tenths of a second additional
 ⑦ ⑧ ⑨ ⑦ | delay. No similar occurrences with this type relay has occurred previous
 ⑦ ⑧ ⑨ ⑧ | ly.

⑦ ⑧ ⑨ <input type="checkbox"/> ①	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE	REVISION NO.
<input type="checkbox"/> ①	<input type="checkbox"/> E <input type="checkbox"/> B ⑪	<input type="checkbox"/> E ⑫	<input type="checkbox"/> G ⑬	R E L L A Y X ⑭	<input type="checkbox"/> J ⑮	<input type="checkbox"/> Z ⑯	<input type="checkbox"/> 0 ⑰
⑦ ⑧ ⑨ <input type="checkbox"/> ②	EVENT YEAR	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	ATTACHMENT SUBMITTED	NPRO-4 FORM SUB.	PRIME COMP. SUPPLIER
	<input type="checkbox"/> 8 <input type="checkbox"/> 0 ⑳	<input type="checkbox"/> 0 <input type="checkbox"/> 2 <input type="checkbox"/> 0 ㉑	<input type="checkbox"/> 0 <input type="checkbox"/> 3 ㉒	<input type="checkbox"/> L ㉓	<input type="checkbox"/> N ㉔	<input type="checkbox"/> N ㉕	<input type="checkbox"/> L ㉖
⑦ ⑧ ⑨ <input type="checkbox"/> ③	ACTION TAKEN	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	COMPONENT MANUFACTURER	COMPTON	REVISION NO.
	<input type="checkbox"/> E ㉗	<input type="checkbox"/> Z ㉘	<input type="checkbox"/> Z ㉙	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 ㉚	<input type="checkbox"/> I <input type="checkbox"/> 2 <input type="checkbox"/> 0 <input type="checkbox"/> 2 ㉛	<input type="checkbox"/> L ㉜	<input type="checkbox"/> 0 ㉝

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ⑳

⑦ ⑧ ⑨ ① | Instrument drift has been determined to be the cause. The relays have
 ⑦ ⑧ ⑨ ② | subsequently been recalibrated and functionally tested. Subsequent testi
 ⑦ ⑧ ⑨ ③ | ng has revealed problems with only one relay out of the eight and it too
 ⑦ ⑧ ⑨ ④ | has been recalibrated and functionally tested. No further corrective
 ⑦ ⑧ ⑨ ⑤ | action is planned at present.

⑦ ⑧ ⑨ ① | FACILITY STATUS: E | ㉞ | % POWER: 0 | 9 | 0 | ㉟ | OTHER STATUS: NA | ㊱ | METHOD OF DISCOVERY: B | ㊲ | DISCOVERY DESCRIPTION: Surveillance Test | ㊳
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

⑦ ⑧ ⑨ ② | ACTIVITY RELEASED OF RELEASE: Z | ㊴ | AMOUNT OF ACTIVITY: NA | ㊵ | LOCATION OF RELEASE: NA | ㊶
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

⑦ ⑧ ⑨ ③ | PERSONNEL EXPOSURES: NUMBER: 0 | 0 | 0 | ㊶ | TYPE: Z | ㊷ | DESCRIPTION: NA | ㊸
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

⑦ ⑧ ⑨ ④ | PERSONNEL INJURIES: NUMBER: 0 | 0 | 0 | ㊹ | DESCRIPTION: NA | ㊺
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

⑦ ⑧ ⑨ ⑤ | LOSS OF OR DAMAGE TO FACILITY: TYPE: Z | ㊻ | DESCRIPTION: NA | ㊼
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

⑦ ⑧ ⑨ ⑥ | PUBLICITY ISSUED: N | ㊽ | DESCRIPTION: NA | ㊾
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50