

LICENSEE EVENT REPORT

CONTROL BLOCK: ①

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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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

LICENSEE CODE: I A 0 A C 1
LICENSE NUMBER: 2 0 0 - 0 0 0 0 0 0 - 0 0 0
LICENSE TYPE: 3 4 1 1 1 1 1
CAT 58: 4
5

CONT

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REPORT SOURCE: L 6 0 5 0 0 0 3 3 1 7 0 8 0 3 8 3 8 0 8 1 7 8 3 9
DOCKET NUMBER: 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

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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

During normal operation, while conducting surveillance required by inoperable RCIC (See LER 83-027), it was found that the speed indication for the HPCI turbine had failed. The testing of HPCI could not be completed due to this problem. HPCI was declared inoperable and a shutdown was initiated in accordance with T.S. 3.5.E.3. Later on 8/3, RCIC was repaired and returned to service. The shutdown was terminated and a 7 day LCO entered IAW T.S. 3.5.D.2. No effect on health and safety of public.

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SYSTEM CODE: S F 11
CAUSE CODE: E 12
CAUSE SUBCODE: E 13
COMPONENT CODE: I N S T R U 14
COMP SUBCODE: E 15
VALVE SUBCODE: Z 16
EVENT YEAR: 8 3
SEQUENCE REPORT NO.: 0 2 8
OCCURRENCE CODE: 0 1
REPORT TYPE: T
REVISION NO.: 0
ACTION TAKEN: C 18
FUTURE ACTION: Z 19
EFFECT ON PLANT: B 20
SHUTDOWN METHOD: Z 21
HOURS: 0 0 1 3
ATTACHMENT SUBMITTED: Y 23
NRC FORM 358: N 24
PRIME COMP. SUPPLIER: Z 25
COMPONENT MANUFACTURER: W 2 9 0 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ②7

① ② ③ ④ ⑤ 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 ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿

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

The turbine magnetic speed pickup was found to be faulty. The pickup was replaced. When tested, speed control was unstable. The turbine oil system was adjusted and the turbine tested. Further adjustments were made to the turbine suction pressure and speed circuits and the system tested satisfactorily. The LCO was ended on 8/6. Previous similar RO's 83-18, 22.

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FACILITY STATUS: E 28
% POWER: 0 9 6 29
OTHER STATUS: NA 30
METHOD OF DISCOVERY: C 31
DISCOVERY DESCRIPTION: LCO Surveillance Testing 32

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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

ACTIVITY CONTENT RELEASED: Z 33
AMOUNT OF ACTIVITY: NA 35
LOCATION OF RELEASE: NA 36

① ② ③ ④ ⑤ 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 ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿

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PERSONNEL EXPOSURES NUMBER: 0 0 0 37
TYPE: Z 38
DESCRIPTION: NA 39

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PERSONNEL INJURIES NUMBER: 0 0 0 40
DESCRIPTION: NA 41

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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

LOSS OF OR DAMAGE TO FACILITY TYPE: Z 42
DESCRIPTION: NA 43

① ② ③ ④ ⑤ 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 ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿

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

PUBLICITY ISSUED: N 44
DESCRIPTION: NA 45

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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

ISSUED DESCRIPTION: N 44
DESCRIPTION: NA 45

NAME OF PREPARER Daniel R. Kibler

PHONE 319-851-7306

8308260107 830817
PDR ADUCK 05000331
S PDR

NRC USE ONLY

440 81-828

DUANE ARNOLD ENERGY CENTER
Iowa Electric Light and Power Company
Licensee Event Report - Supplemental Data
Docket No. 050-0331

Licensee Event Report Date: 8-17-83

Reportable Occurrence No.: 83-028

Event Description and Probable Consequences

During normal operation, while conducting surveillance required by T.S. 4.5.E.2 for inoperable RCIC (see LER 83-027), it was found that the speed indication for the HPCI turbine had failed. The testing of HPCI could not be completed due to this problem. HPCI was declared inoperable and a shutdown was initiated in accordance with T.S. 3.5.E.3. Later on 8/3, RCIC was repaired and returned to service. The shutdown was terminated and a 7 day LCO entered in accordance with T.S. 3.5.D.2. ADS, CS and LPCI were operable throughout the HPCI and RCIC inoperable problems. No effect on health and safety of public.

Cause Description and Corrective Action

The turbine magnetic speed pickup was found to be faulty. The pickup was replaced. When the turbine was tested following the replacement of the speed pickup, speed control was unstable. The turbine oil system was adjusted and the turbine retested. Further adjustments were made to the turbine suction pressure indication and the turbine speed circuits and the system tested satisfactorily. The 7-day LCO was ended on 8/6. Repetitive failures of HPCI during 1983 have been evaluated. The evaluation determined failures to be non-related.

Iowa Electric Light and Power Company

August 17, 1983

DAEC-83-674

Mr. James G. Keppler
Regional Administrator
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Duane Arnold Energy Center
Docket No. 50-331
Op. License DPR-49
Licensee Event Report No. 83-028
(14-day)

Dear Mr. Keppler:

In accordance with Appendix A to Operating License DPR-49, Technical Specifications, Section 6.11.2.a(7), and bases for Duane Arnold Energy Center and Regulatory Guide 10.1, please find attached a copy of the subject Licensee Event Report.

Very truly yours,

BR York for

Daniel L. Mineck
Plant Superintendent - Nuclear
Duane Arnold Energy Center

DLM/DRK/pf

attachment

cc: Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

NRC Resident Inspector - DAEC

File A-118a

AUG 19 1983

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