| NRC FORM 195                       | U.S. NU  | JCLEAR RE   | DOCKET NUMBER 331  |   |  |  |
|------------------------------------|--|---|--|---|--|--|
| •                                  | ION FOR PAR                                      | T 50 DOCKET   | DOCKET MATERIAL  |   | FILE NUMBER INCIDENT REPORT                      |  |
| TO: J.G. KEPPLER                   |  | FROM: IOWA ELEC LIGHT & POWER CO. CEDAR RAPIDS, IOWA E.L. HAMMOND |  | DATE OF DOCUMENT 5/3/77                           |  |  |
|                                    |  |   |  | DATE RECEIVED 5/23/77                             |  |  |
| LETTER   NOTORIZED                 |  | PROP \ INPUT FORM   |  | INPUT FORM  | NUMBER OF COPIES RECEIVED                        |  |
| GORIGINAL GUNCL                    | ASSIFIED   |   |  |   | /cc.   |  |
| ESCRIPTION                         |  | <u> </u>  | ENCLOS   | JRE   |  |  |
| LTR. TRANS THE FOLLOWING (1P)      |  |   | LICENSEE EVENT REPORT # 77-31, ON 4/8/77 CONCERNING THE 1A4 BUS UNDERVOLTAGE RELAY, 127- 4, DEENERGIZED AT 19.7 VAC  (1P)  |   |  |  |
|                                    | •  |   |  | DO NOT F  | EMOVE  |  |
| PLANT NAME: DUANE ARNO             | OLD  |   |  | ACKNOW  | TEDGED   |  |
|                                    |  |   |  | ACKNOWLEDGED                                      |  |  |
|                                    | ,  |   | NOTE:  |   | POSURE IS INVOLVED  O KREGER/J. COLLINS          |  |
|                                    |  | FOR ACTION  | /INIE O DAA  | ATION   |  |  |
| BRANCH CHIEF:                      | 46   | FOR ACTION  | /INFORM  | ATION   |  |  |
| W/3 CYS FOR ACTION                 |  |   |  |   |  |  |
| LIC, ASST.:                        | PAI  | erish   |  |   |  |  |
| W// CYS                            | A/CENT AS  | DAT R   | <del>                                     </del>   |   |  |  |
| ACRS /6 CYS HOLDING                | SISENT AS  | -m 6  | ++-  |   |  |  |
|                                    |  | INTERNAL  | DISTRIBL   | TION  |  |  |
| REG FILE                           |  |   |  |   |  |  |
| NRC PDR                            |  |   |  |   |  |  |
| I & E (2)                          | <b></b>  | · · · · · · · · · · · · · · · · · · ·                             |  |   | <u> </u>   |  |
| MIPC                               | ļ  | · · · · · · · · · · · · · · · · · · ·                             |  |   |  |  |
| SCHROEDER/IPPOLITO HOUSTON         |  |   | <del>    -  </del>   |   |  |  |
| NOVAK/CHECK                        |  |   | <del>                                     </del>   | <del>, , , , , , , , , , , , , , , , , , , </del> |  |  |
| GRIMES                             |  |   | <del>      -</del>   |   |  |  |
|                                    |  |   |  |   |  |  |
| BUTLER                             | ·  |   |  |   |  |  |
| HANAUER                            |  |   | <del> </del>   |   | <del>                                     </del> |  |
| TEDESCO/MACCARY                    |  |   |  |   |  |  |
| EISENHUT                           | <del>                                     </del> |   |  |   | 1-1  |  |
| BAER<br>SHAO                       | -  |   | ++   |   | + +  |  |
| ; Snau                             | <del>                                     </del> |   | +  |   |  |  |
| VOLUMED /RINGE                     |  |   | <del></del>  |   | <del>                                     </del> |  |
| VOLLMER/BUNGH<br>KREGER/J. COLLINS |  |   | i 1  |   | 1 1 : · · · · · · · · · · · · · · · · ·          |  |
| VOLLMER/BUNCH<br>KREGER/J. COLLINS |  |   |  |   |  |  |
|                                    |  |   |  |   |  |  |
| KREGER/J. COLLINS                  |  | L DISTRIBU <b>T</b> ION   | 1  |   | CONTROL NUMBER                                   |  |
| LPDR: CEOAR RAPI                   |  | L DISTRIBU <b>T</b> ION   | N The state of the |   | Ao   |  |
| LPDR: CEOAR RAPITIC:               |  | L DISTRIBU <b>T</b> ION   | J.   |   |  |  |
| LPDR: QEOAR RAPI                   |  | L DISTRIBU <b>T</b> ION   | J  |   | Ao   |  |

D. Landam

## IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER

P. O. Box 351
Cedar Rapids, Iowa 52406
May 3, 1977
DAEC-77-249

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



Subject: Licensee Event Report No. 77-31

(30 day)

File: A-118a

Regulatory Docket File

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,

El Hammond/Il

Ellery L. Hammond Chief Engineer Duane Arnold Energy Center

ELH/JVS/mg

Docket 50-33.1

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

771440137

| <b>*</b> '    | CONTROL BLOCK: (PLEASE PRINT ALL REQUIRED INFORMATION  |
|---------------|--|
| 01<br>7 E     | LICENSEE NAME  LICENSE NUMBER  LICENSE NUMBER  LICENSE TYPE  TYPE  TYPE  TYPE  1 A D A C 1 0 0 0 0 0 0 0 0 0 4 1 1 1 1 1 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3   |
| 01<br>7 E     | CON'T L L L 0 5 0 — 0 3 3 1 0 4 0 8 7 7 0 5 0 3 7 7 7 57 58 59 80 61 68 69 74 75 8   |
| <u>os</u>     | EVENT DESCRIPTION  During surveillance testing the 1A4 bus undervoltage relay, 127-4, dee  |
| 7 8           | nergized at 19.7 VAC. The required setpoint is 24 plus or minus 4 VAC.   |
|               | Event did not present an unsafe plant condition as the relay would stil  |
| 7 B           | l have performed its required function but at a slightly lower voltage.  |
|               | The relay was recalibrated and functionally tested. (RO 77-31)   |
| 07<br>7       | SYSTEM   CAUSE   COMPONENT   COMPONENT |
| 08            | Instrument drift. The relay is a General Electric type HGA14AR22A. Sin   |
| 09            | ce this was the first instance of trouble with this relay no further co  |
| 10            | rrective action is planned.  |
| 7 8           | FACILITY STATUS POWER DTHER STATUS DISCOVERY DISCOVERY DESCRIPTION  H 0 0 0 0 NA B Surveillance Test  9 10 12 13 44 45 46 80   |
| 12            | ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE Z Z NA NA  |
| 13            | PERSONNEL EXPOSURES  NUMBER TYPE DESCRIPTION  O O O Z NA   |
| 7 8           | PERSONNEL INJURIES NUMBER DESCRIPTION  O O O NA  |
| 15            | OFFSITE CONSEQUENCES NA  |
| 16            | BLOSS OR DAMAGE TO FACILITY TYPE DESCRIPTION Z NA  |
| 17            | 9 10 PUBLICITY NA  |
| 18            | ADOITIONAL FACTORS  NA   |
| 7 8 9<br>(75) | 80   |
| 7 8 9         | T. Van Sigkol  |

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