# (TEMPORARY FORM)

CONTROL NO: 12681

FILE: INCIDENT REPORT FILE

| CO. Palo, Towa G.G. Hunt CO: Mr. James G. Keppler Collet G. Hunt G. Mr. James G. Albart G. Mr. James G. Licher G. James G. Collet G. Chapman Collet G. James G. Keppler Collet G. Hunt G. Seppler Collet G. James G. Keppler Collet G. Licher G. James G. Kaller G. James G. Chapman Collet G. James G. Keppler Collet G. James G. Collet G. Chapman Collet G. James G. Collet G. Chapman Collet G. James G. Keppler Collet G. James G. Collet G. Chapman Collet G. James G. Col |               |            | ·  |  |             |               | •            |                   |  |                               |
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| G.G. Blunt ORIG ORIG ORIG ORIG ORIG CC OTHER SENT LOCAL PDR XX XXXX  ESCRIPTION: Ltr trans the following:  ESCRIPTION: Ltr trans the following:  ENCLOSURES: Abnormal Occurrence A0-50-33 75-55 on 10-16-75 re a missing fuse in t interlock circuit.  (1 cy encl rec'd)  DO NOT RETURN  ACKNOWLEGE  (1) ZEMANN (L) W/ Copies  | FROM:         |            | . •  | DATE OF DOC                            | DAT         | E REC'D       | LTR          | TWX               | RPT  | OTHER                         |
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| Mr. James G. Keppler 1 signed SENTLOCAL PDR XX  LASS UNCLASS PROPINFO INPUT NO CYS REC'D DOCKET NO:  SECRIPTION: Ltr trans the following: SO-331  ESCRIPTION: Ltr trans the following: SO-331  FOR ACTION/INFORMATION DHL 11-6-75 on missing fuse in t interlock circuit  (1 cy encl ree'd) DO NO  | TO:           | G.G. HUDF  | ,  |  | <del></del> |               |              |                   | C PDR  | XX                            |
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| ENCLOSURES: Abnormal Occurrence A0-50-33 75-55 on 10-16-75 re a missing fuse in t interlock circuit  (1 cy encl rec'd)    DO NOT RETURN  | CLASS         |            | PROPINEO   | INPUT                                  | NOC         | YS REC'D      | יט           | JUKET             | NO:  |                               |
| TOUTLER (L)  W Copies |               | XXXX       |  |  | ·           | 1             |              |                   | 50 <b>-</b> 3:                                 | 31                            |
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| LANT NAME: Duane Arnold Plant  FOR ACTION/INFORMATION  W/ Copies   |               |            |  |  |             |               |              |                   |  | g fuse in t                   |
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| UTLER (L)  W/ Copies   |               |            |  |  | J           | •             |              |                   |  | ·                             |
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| PURPLÉ (L)   W/ Copies   |               |            |  |  |             |               | pies         | •                 |  |                               |
| INTERNAL DISTRIBUTION    Color   Color |               |            |  | YOUNGBL(                               | DOD (E      |               | •            |                   |  |                               |
| TECH REVIEW JRC PDR SCHROEDER JRC PDR  | W/ Co         | pies       | W/ Copies  | W/ Copies                              | ;           | W/ Co         | pies         |                   |  |                               |
| SCHROEDER   SCHROEDER   SCHROEDER   SCHROEDER   SCHROEDER   GAMMILL   H. GEARIN (L)   SALTZMAN      |               |            |  | INTERNAL D                             | ISTRIE      | BUTION        | ·            |                   |  |                               |
| GC, ROOM P-506A MACCARY KNIGHT KASTNER E. GOULBOURNE (L)  MELTZ  MEDONALD  CHAPMAN  MCDONALD  CHAPMAN  MCDONALD  CHAPMAN  MULLER  M. SERVICE (L)  DUBE (Ltr)  CHAPMAN  MICDONALD  CHAPMAN  MELTZ  MCDONALD  CHAPMAN  MCDONALD  CHAPMAN  MICDONALD  HARTFIELD (2)  KLECKER  EISENHUT  WIGGINTON  WIGGINTON  MICDONAL  F. WILLIAMS  F. WILLIAMS  F. WILLIAMS  F. WILLIAMS  F. WILLIAMS  HARNAUES  TO PROSON  HARNAUES  MICHONALD  HARTFIELD (2)  KLECKER  EISENHUT  WIGGINTON  MICHONALD  F. WILLIAMS  F. WILLIAMS  F. WILLIAMS  F. WILLIAMS  HARNAUES  TO PROSON  HARNAUES  MICHONALD  CHAPMAN  MICHONALD  HARTFIELD  CHAPMAN  MICHONALD  HARTFIELD  MCDONALD  HARTFIELD  HARTFIELD  MCDONALD  HARTFIELD  HARTFIELD  MCDONALD  HARTFIELD  HARTFIELD  MCDONALD  HARTFI |               |            |  |  |             | LIC AS        | ST           |                   |  |                               |
| SOSSICK/STAFF KNIGHT KASTNER E. GOULBOURNE (L) MELTZ  ASE PAWLICKI BALLARD P. KREUTZER (E) SIAMBUSSO SHAO SPANGLER J. LEE (L) MCDONALD MOORE (L) ** HOUSTON ENVIRO S. REED (E) MCONALD MCOORE (L) ** NOVAK MULLER M. SERVICE (L) MCOORE (L) ** NOVAK MULLER M. SERVICE (L) MCOORE (L) ** NOVAK MULLER M. SERVICE (L) MCOONALD MCOONALD MCHAPMAN  |               |            |  | GRIMES                                 |             |               |              |                   |  |                               |
| ASE PAWLICKI BALLARD P. KREUTZER (E) MARUSSO SHAO SPANGLER J. LEE (L) MCDONALD MOORE (L) ** HOUSTON ENVIRO S. REED (E) MEYOUNG (L) ** NOVAK MULLER M. SERVICE (L) MOUTTON M. SLATER (E) M. SMITH (L) MOUTTON M. SLATER (E) MOUTTON M. SLATER (E) MOUTTON M. SLATER (E) MOUTTON M. SLATER (E) MOUTTON M. SMITH (L) MOUTTON MILLIAMS (E) MOUTTON MILLIAMS MOUTTO |               |            |  |  |             |               |              | <del>-</del> (, ) |  | _                             |
| SIAMBUSSO OYD  ** STELLO M. RUSHBROOK (L) M. SERUICE (L) DUBE (Ltr) DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON MIPC/PE (3) VOLLMER HARLESS R. INGRAM (L) M. DUNCAN (E) M. DUNCAN (E)  ** SEND ONLY TEN DAY REPORTS  ** SEND ONLY TEN DAY REPORT |               | K/STAFF    |  |  |             |               |              |                   | WELI   | 2                             |
| OYD  ** STELLO  MOORE (L)  ** HOUSTON  ENVIRO  S. REED (E)  CHAPMAN  M. SERVICE (L)  DUBE (Ltr)  E. COUPE  PETERSON  H. SMITH (L)  F. COUPE  PETERSON  HARTFIELD (2)  KLECKER  EISENHUT  WIGGINTON  MIPC/PE  (3)  EXTERNAL DISTRIBUTION  1 - LOCAL PDR Cedar Rapids, Iowa  1 - TIC (ABERNATHY)  1 - W. PENNINGTON, Rm E-201 GT  1 - ROSS  S. Teets (L)  M. DUNCAN (E)  1 - PDR-SAN/LA/NY  1 - BROOKHAVEN NAT LABS  1 - CONSULTANTS  NEWMARK/BLUME/AGBABIAN  ** SEND ONLY TEN DAY REPORTS  M. RUSHBROOK (L)  M. RUSHBROOK (L)  M. SERVICE (L)  CHAPMAN  CHAPMAN  DUBE (Ltr)  CHAPMAN  CHAPMAN  S. KLECKER  EISENHUT  WIGGINTON  WIGGINTON  1 - PDR-SAN/LA/NY  1 - BROOKHAVEN NAT LAB  1 - G. ULRIKSON, ORNL  1 - AGMED (RUTH GUSSMAN  Rm B-127 GT  ** SEND ONLY TEN DAY REPORTS  |               | ISSO .     |  |  |             |               |              | - 1               | PLAN   | s ·                           |
| MOORE (L)  | BOYD          | **         |  | 01711101111                            |             |               |              | ) .               | MCDC   | NALD                          |
| KOVHOLT (L) ROSS DICKER S. SHEPPARD (L) PPOLITO KNIGHTON M. SLATER (E) PETERSON HARTFIELD (2) REGOPR LAINAS PROJECT LDR FOR BENAROYA VOLLMER HARLESS R. INGRAM (L) M. DUNCAN (E)  EXTERNAL DISTRIBUTION  1 - LOCAL PDR Cedar Rapids, Iowa 1 - TIC (ABERNATHY) (1)(2)(10) - NATIONAL LABS 1 - RSIC (BUCHANAN) 1 - W. PENNINGTON, Rm E-201 GT 1 - ASLB 1 - CONSULTANTS 1 - G. ULRIKSON, ORNL NEWMARK/BLUME/AGBABIAN S. Teets 11-6-75  ** SEND ONLY TEN DAY REPORTS  DICKER S. SHEPPARD (L) R. SHEPPARD (L) R. HARTFIELD (2) RECKER PETERSON HARTFIELD (2) RECKER PETERSON HARTFIELD (2) RECKER PETERSON HARTFIELD (2) RECKER FEISENHUT WIGGINTON WIGGINTON 1 - PDR-SAN/LA/NY 1 - BROOKHAVEN NAT LAB 1 - G. ULRIKSON, ORNL Rm B-127 GT 1 - J. D. RUNKLES, Rm E-201 Rm B-127 GT 1 - J. D. RUNKLES, Rm E-201  |               |            |  |  |             | S. REED (     | E)           |                   |  |                               |
| OLLER (L) (Ltr) IPPOLITO KNIGHTON M. SLATER (E) COLLINS TEDESCO YOUNGBLOOD H. SMITH (L) ENISE J. COLLINS REGAN TEETS (L) EG OPR LAINAS PROJECT LDR G. WILLIAMS (E) IT E & REGION (2) BENAROYA MIPC/PE (3) VOLLMER HARLESS R. INGRAM (L) TEELE EXTERNAL DISTRIBUTION  1 - LOCAL PDR Cedar Rapids, Iowa 1 - TIC (ABERNATHY) (1)(2)(10) - NATIONAL LABS F. WILLIAMS 1 - NSIC (BUCHANAN)   |               |            |  |  |             |               |              |                   | -  | •                             |
| COLLINS TEDESCO YOUNGBLOOD H. SMITH (L) PENISE J. COLLINS REGAN TEETS (L) REGOPR LAINAS PROJECT LDR G. WILLIAMS (E) WIGGINTON WIGGINTON MIPC/PE (3) VOLLMER HARLESS R. INGRAM (L) F. WILLIAMS F. WILLI |               |            |  |  | 1 .         |               |              | )                 |  |                               |
| PENISE J. COLLINS REGAN B. TEETS (L) KLECKER EISENHUT  REG OPR LAINAS PROJECT LDR G. WILLIAMS (E) WIGGINTON  MIPC/PE (3) VOLLMER HARLESS R. INGRAM (L)  TEELE EXTERNAL DISTRIBUTION  1 - LOCAL PDR Cedar Rapids, Iowa 1 - TIC (ABERNATHY) (1)(2)(10) - NATIONAL LABS   |               |            |  |  |             |               |              |                   |  |                               |
| PROJECT LDR G. WILLIAMS (E)  WIGGINTON  WIGGINTON  WIGGINTON  WIGGINTON  R. INGRAM (L)  R. INGRAM (L)  M. DUNCAN (E)  F. WILLIAMS  F. WILLIAMS  F. WILLIAMS  M. DUNCAN (E)  PROJECT LDR G. WILLIAMS (E)  WIGGINTON  WIGGINTON  F. WILLIAMS  F.  | DENISE        |            |  |  |             |               |              |                   |  |                               |
| V. WILSON (L) MIPC/PE (3) VOLLMER HARLESS V. WILSON (L) R. INGRAM (L) M. DUNCAN (E)  EXTERNAL DISTRIBUTION  1 - LOCAL PDR Cedar Rapids, Iowa 1 - TIC (ABERNATHY) (1)(2)(10) - NATIONAL LABS  | REG OP        | R          |  |  |             |               |              |                   | EISEN  | IHUT                          |
| TEELE    M. DUNCAN (E)   PR  | 11 E & 1      |            |  | ************************************** |             |               |              | •                 | °WIGG  | INTON                         |
| EXTERNAL DISTRIBUTION  1 - LOCAL PDR Cedar Rapids, Iowa 1 - TIC (ABERNATHY) (1)(2)(10) - NATIONAL LABS 1 - PDR-SAN/LA/NY 1 - NSIC (BUCHANAN) 1 - W. PENNINGTON, Rm E-201 GT 1 - BROOKHAVEN NAT LAB 1 - CONSULTANTS 1 - G. ULRIKSON, ORNL 1 - Newton Anderson NEWMARK/BLUME/AGBABIAN Rm B-127 GT 1 - J. D. RUNKLES, Rm E-201 GT 1 - J. D. RUNKLES   |               |            | <b>∠</b> VOLLMER   | HARLESS                                |             | R. INGRA      | M (L)        | 70                | F. W   | ILLIAMS                       |
| 1 - LOCAL PDR Cedar Rapids, Iowa 1 - TIC (ABERNATHY) (1)(2)(10) - NATIONAL LABS 1 - PDR-SAN/LA/NY 1 - NSIC (BUCHANAN) 1 - W. PENNINGTON, Rm E-201 GT 1 - BROOKHAVEN NAT LAB 1 - ASLB 1 - CONSULTANTS 1 - G. ULRIKSON, ORNL 1 - Newton Anderson NEWMARK/BLUME/AGBABIAN 5 CS Teets 11-6-75  ** SEND ONLY TEN DAY REPORTS 1 - J. D. RUNKLES, Rm E-20  |               |            |  |  |             |               | N (E)        | PK                | - HANA   | UER                           |
| 1 - TIC (ABERNATHY) (1)(2)(10) - NATIONAL LABS 1 - PDR-SAN/LA/NY 1 - NSIC (BUCHANAN) 1 - W. PENNINGTON, Rm E-201 GT 1 - ASLB 1 - CONSULTANTS 1 - G. ULRIKSON, ORNL 1 - Newton Anderson NEWMARK/BLUME/AGBABIAN  | <del></del> - |            |  |  | ISTRIE      | UTION         | <del></del>  |                   |  |                               |
| 1 - NSIC (BUCHANAN) 1 - W. PENNINGTON, Rm E-201 GT 1 - ASLB 1 - CONSULTANTS 1 - G. ULRIKSON, ORNL 1 - MEWMARK/BLUME/AGBABIAN STACKS S. Teets 11-6-75 ** SEND ONLY TEN DAY REPORTS 1 - J. D. RUNKLES, Rm E-20   | -1 - LO       | CAL PDR Ce | edar Rapids, Id  | owa                                    | _           |               | _            |                   | <b></b>  | 40.00                         |
| 1 - ASLB 1 - CONSULTANTS 1 - Mewton Anderson NEWMARK/BLUME/AGBABIAN STACES S. Teets 11-6-75 ** SEND ONLY TEN DAY REPORTS 1 - G. ULRIKSON, ORNL 1 - AGMED (RUTH GUSSMAN Rm B-127 GT 1 - J. D. RUNKLES, Rm E-20  |               |            |  |  |             |               |              |                   |  |                               |
| 1 - Newton Anderson NEWMARK/BLUME/AGBABIAN  S-ACAS S. Teets 11-6-75  ** SEND ONLY TEN DAY REPORTS  NEWMARK/BLUME/AGBABIAN Rm B-127 GT 1 - J. D. RUNKLES, Rm E-20   |               |            |  |  |             | 1 E-201,GT    |              |                   |  |                               |
| S. Teets 11-6-75  ** SEND ONLY TEN DAY REPORTS  Rm B-127 GT  1 - J. D. RUNKLES, Rm E-20  | _             |            |  |  |             | AGRARIAN      |              |                   |  |                               |
| ** SEND ONLY TEN DAY REPORTS 1 - J. D. RUNKLES, Rm E-20  | 5 AC          | DS 8       | •  |  | _UIVIE/F    | KUDMDIAN<br>K | •            |                   |  |                               |
| GT   |               |            |  | JUG IIIMUM/J.,                         | *           | ,             | 1            | - J. D            |  |                               |
|  |               |            |  | •                                      |             |               |              | GT                |  |                               |





General Office CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER
PALO, IOWA
OCTOBER 24, 1975
DAEC - 75 - 395



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: Abnormal Occurrence A.O. 50-331/75-55

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, please find enclosed a written report on the subject abnormal occurrence.

Very truly yours

G. G. Hunt Chief Engineer

Duane Arnold Energy Center

## DLW/GGH/mg

cc: B. C. Rusche

D. Arnold

J. A. Wallace

L. Liù

H. W. Rehrauer - Chairman, Safety Committee

J. R. Newman

E. L. Hammond

12681



# IOWA ELECTRIC LIGHT AND POWER COMPANY

# General Office Cedar Rapids, Iowa

Subject:

Abnormal Occurrence

Report Number:

AO 50-331/75-55

Report Date:

October 24, 1975

Occurrence Date:

October 16, 1975

Facility:

Duane Arnold Energy Center, Unit No. 1, Palo, Iowa

#### Identification of Occurrence

Secondary containment violation, reportable in accordance with Appendix A to Operating License DPR-49, Specifications 1.0.4.b and 3.7.C.1.

#### Conditions Prior to Occurrence

Reactor at rated pressure and temperature

1247 MW thermal

336 MW electric

## Description of Occurrence

While testing personnel airlock interlock functions during a routine plant inspection, an NRC Inspector determined that he was able to open simultaneously both personnel doors to the railroad access.

# Designation of Apparent Cause of Occurrence

The cause of the occurrence was a missing power fuse in the interlock circuit.

## Analysis of Occurrence

The occurrence did not present an unsafe plant condition. It has been previously demonstrated that the standby gas treatment system is capable of maintaining the required secondary containment negative pressure with both doors to one of the personnel access airlocks open.

#### Corrective Action

A fuse was installed in the railroad personnel access door interlock circuit.

A0 50-331/75-55 Page 2 October 24, 1975

A design change to provide positive interlocking of all secondary containment airlock doors is in the process of being implemented. The design change involves a modification of the present interlock. Pending completion of the design change, additional instructions will be placed on unmodified doors to alert personnel to the requirement for not opening both doors to an airlock simultaneously.

In addition, personnel from the Nuclear Regulatory Commission will be requested to contact the on-duty Shift Supervising Engineer prior to performing a test involving the attempt to open two airlock doors simultaneously. The Shift Supervisor will ensure all requirements for maintaining secondary containment can be satisfied prior to giving approval for the test.

#### Conclusion

This report was reviewed and approved by the DAEC Operations Committee on October 24, 1975. The Committee concluded that the occurrence did not present a hazard to the health and safety of the public.

G. G. Hunt Chief Engineer

Duane Arnold Energy Center

J2 funt

DLW/GGH/mg