

**NRC DISTRIBUTION FOR PART 50 DOCUMENT MATERIAL  
(TEMPORARY FORM)**

CONTROL NO: 8793

FILE: INCIDENT REPORT FILE

FROM: Iowa Elec. Light & Power Co Cedar Rapids, Iowa G.G. Hunt		DATE OF DOC 8-12-75	DATE REC'D 8-18-75	LTR	TWX	RPT XXX	OTHER
TO: NRC		ORIG 1 Signed	CC	OTHER	SENT AEC PDR <u>XXX</u>		SENT LOCAL PDR <u>XXX</u>
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-331		

DESCRIPTION:  
Letter Trans the following.....

ENCLOSURES:  
Abnormal Occurance # 43A on 7-31-75;  
Concerning the surveillance test procedure  
Unit D was found above voltage limit and  
Unit C was also out of calibration.....  
  
(1 Copy enclosure received)

PLANT NAME: Duane Arnold

**FOR ACTION/INFORMATION**

SAB 8-20-75

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/ Copies
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	SPELS W/ Copies
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	W/ Copies

**ACKNOWLEDGED**

**DO NOT REMOVE**

**INTERNAL DISTRIBUTION**

<u>REG FILE</u> NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE GIAMBUSSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) MIPC/PE (3) STEELE	<u>TECH REVIEW</u> SCHROEDER MACCARY KNIGHT PAWLICKI SHAO **STELLO **HOUSTON **NOVAK ROSS IPPOLITO TEDESCO J. COLLINS LAINAS BENAROYA VOLLMER	DENTON **GRIMES GAMMILL KASTNER BALLARD SPANGLER  ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR  HARLESS	<u>LIC ASST</u> R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUSHBROOK (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L) M. DUNCAN (E)	<u>A/T IND.</u> BRAITMAN SALTZMAN MELTZ  PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON  F. WILLIAMS HANAUER
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**EXTERNAL DISTRIBUTION**

1 - LOCAL PDR Cedar Rapids, Iowa	1 - NATIONAL LABS	1 - PDR-SAN/LA/NY
1 - TIC (ABERNATHY) (1)(2)(10)	1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
1 - NSIC (BUCHANAN)	1 - CONSULTANTS	1 - G. ULRIKSON, ORNL
1 - ASLB	NEWMARK/BLUME/AGBABIAN	1 - AGMED (RUTH GUSSMAN) Rm B-127 GT
1 - Newton Anderson		1 - J. D. RUNKLES, Rm E-201 GT

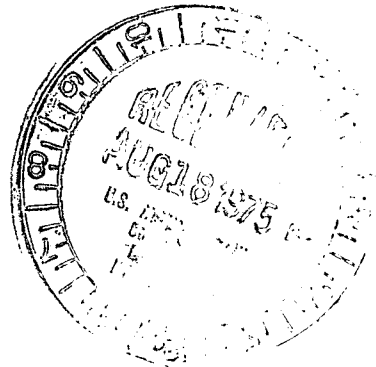
\*\* SEND ONLY TEN DAY REPORTS

*[Handwritten Signature]*

# IOWA ELECTRIC LIGHT AND POWER COMPANY

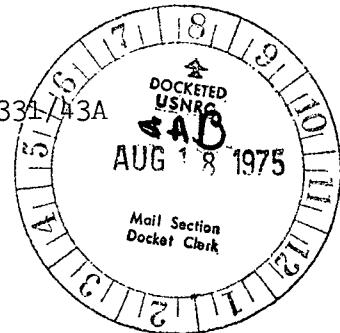
General Office

CEDAR RAPIDS, IOWA  
DUANE ARNOLD ENERGY CENTER  
PALO, IOWA  
AUGUST 12, 1975  
DAEC - 75 - 317



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. 50-331-143A  
Supplemental Report  
FILE: A-110, 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 complete written report on the subject abnormal occurrence. A preliminary report was transmitted to your office on August 8, 1975. The investigation of the abnormal occurrence had not been completed at the time the preliminary report was submitted.

Very truly yours,

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

DLW/GGH/mg

- cc: B. C. Rusche
- C. W. Sandford
- J. A. Wallace
- L. Liu
- H. Rehrauer - Chairman, Safety Committee
- J. R. Newman
- E. L. Hammond

8793

AUG 14 1975

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence - Supplemental Report  
Report Number: AO-50-331/75-43A  
Report Date: August 12, 1975  
Occurrence Date: July 31, 1975  
Facility: Duane Arnold Energy Center

## Identification of Occurrence

Out-of-specification APRM/RBM Flow Bias signal, reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.b.

## Description of Occurrence

During the performance of Surveillance Test Procedure 41A018 - APRM/RBM Flow Bias, Flow Unit D setpoint was found above the maximum voltage limit specified in the surveillance test procedure. (In the initial notification of this abnormal occurrence to the Nuclear Regulatory Commission, it was stated that Flow Unit C was also out-of-calibration. However, further investigation of the occurrence has determined that Flow Unit C was out-of-calibration in the conservative direction and not reportable.)

## Designation of Apparent Cause of Occurrence

The apparent cause of the occurrence was instrument drift.

## Analysis of Occurrence

The APRM/RBM flow bias subsystem consists of four flow units. Flow units B and D provide inputs to RBM channel B and APRM channels B, D and F. Flow units A and C provide inputs to RBM channel A and APRM channels A, C and E. The RBM and APRM channels have auctioneering circuits which select the lowest flow unit voltage to be used as a bias signal. Since the voltage signal from Flow Unit D was out-of-specification in the high direction, the signal would have been eliminated by the auctioneering circuits and would not have caused incorrect flow biasing. Therefore, the occurrence did not present an unsafe plant condition.

## Corrective Action

Flow Unit D was recalibrated. There have been no previous occurrences at this facility involving APRM/RBM Flow Units out-of-specification in the non-conservative direction.

## Conclusion

This report was reviewed and approved by the DAEC Operations Committee on August 12, 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

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)**

CONTROL NO: 8855

FILE: INCIDENT REPORT FILE

<b>FROM:</b> Iowa Elec. & Power Co. Cedar Rapids, Iowa G.G. Hunt		<b>DATE OF DOC</b> 8-12-75	<b>DATE REC'D</b> 8-20-75	<b>LTR</b>	<b>TWX</b> XXX	<b>RPT</b>	<b>OTHER</b>
<b>TO:</b> NRC		<b>ORIG</b> None	<b>CC</b>	<b>OTHER</b>	<b>SENT AEC PDR</b> <u>XXX</u>		
					<b>SENT LOCAL PDR</b> <u>XXX</u>		
<b>CLASS</b>	<b>UNCLASS</b> XXX	<b>PROP INFO</b>	<b>INPUT</b>	<b>NO CYS REC'D</b> 1	<b>DOCKET NO:</b> 50-331		

**DESCRIPTION:**  
Letter trans. the following.....

**PLANT NAME:** Duane Arnold

**ENCLOSURES:**  
Abnormal Occurance # 75-43A, on 7-31-75, Concerning APRM/RBM Flow Bias, Flow Unit D was found above the maximum voltage limitatio  
.....  
(1 Copy Enclosure Received)

**FOR ACTION/INFORMATION** SAB 8-21-85

- |                         |                            |                             |                        |
|-------------------------|----------------------------|-----------------------------|------------------------|
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| CLARK (L)<br>W/ Copies  | STOLZ (L)<br>W/ Copies     | DICKER (E)<br>W/ Copies     | LEAR (L)<br>W/ Copies  |
| PARR (L)<br>W/ Copies   | VASSALLO (L)<br>W/ Copies  | KNIGHTON (E)<br>W/ Copies   | SPELS<br>W/ Copies     |
| KNIEL (L)<br>W/ Copies  | PURPLE (L)<br>W/ Copies    | YOUNGBLOOD (E)<br>W/ Copies | W/ Copies              |

**ACKNOWLEDGED**  
**DO NOT REMOVE**

**INTERNAL DISTRIBUTION**

- |   |  |  |   |   |
|---|--|--|---|---|
| <u>REG FILE</u><br>NRC PDR<br>OGC, ROOM P-506A<br>GOSSICK/STAFF<br>CASE<br>GIAMBUSSO<br>BOYD<br>MOORE (L)<br>DEYOUNG (L)<br>SKOVHOLT (L)<br>GOLLER (L) (Ltr)<br>P. COLLINS<br>DENISE<br>REG OPR<br>FILE & REGION (2)<br>MIPC/PE (3)<br>STEELE | <u>TECH REVIEW</u><br>SCHROEDER<br>MACCARY<br>KNIGHT<br>PAWLICKI<br>SHAO<br>**STELLO<br>**HOUSTON<br>**NOVAK<br>ROSS<br>IPPOLITO<br>TEDESCO<br>J. COLLINS<br>LAINAS<br>BENAROYA<br>VOLLMER | DENTON<br>**GRIMES<br>GAMMILL<br>KASTNER<br>BALLARD<br>SPANGLER<br><br>ENVIRO<br>MULLER<br>DICKER<br>KNIGHTON<br>YOUNGBLOOD<br>REGAN<br>PROJECT LDR<br><br>HARLESS | <u>LIC ASST</u><br>R. DIGGS (L)<br>H. GEARIN (L)<br>E. GOULBOURNE (L)<br>P. KREUTZER (E)<br>J. LEE (L)<br>M. RUSHBROOK (L)<br>S. REED (E)<br>M. SERVICE (L)<br>S. SHEPPARD (L)<br>M. SLATER (E)<br>H. SMITH (L)<br>S. TEETS (L)<br>G. WILLIAMS (E)<br>V. WILSON (L)<br>R. INGRAM (L)<br>M. DUNCAN (E) | <u>A/T IND.</u><br>BRAITMAN<br>SALTZMAN<br>MELTZ<br><br>PLANS<br>MCDONALD<br>CHAPMAN<br>DUBE (Ltr)<br>E. COUPE<br>PETERSON<br>HARTFIELD (2)<br>KLECKER<br>EISENHUT<br>WIGGINTON<br><br>F. WILLIAMS<br>HANAUER |
|---|--|--|---|---|

**EXTERNAL DISTRIBUTION**

- |                                  |                                |   |
|----------------------------------|--------------------------------|---|
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| 1 - TIC (ABERNATHY) (1)(2)(10)   | 1 - W. PENNINGTON, Rm E-201 GT | 1 - BROOKHAVEN NAT LAB                  |
| 1 - NSIC (BUCHANAN)              | 1 - CONSULTANTS                | 1 - G. ULRIKSON, ORNL                   |
| 1 - ASLB                         | NEWMARK/BLUME/AGBABIAN         | 1 - AGMED (RUTH GUSSMAN)<br>Rm B-127 GT |
| 1 - Newton Anderson              |                                | 1 - J. D. RUNKLES, Rm E-201<br>GT       |
| 1 - ACRS SENT TO LIC ASST        |                                |   |
| ** SEND ONLY TEN DAY REPORTS     |                                |   |

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

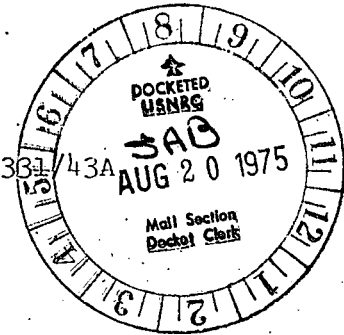
CEDAR RAPIDS, IOWA  
DUANE ARNOLD ENERGY CENTER  
PALO, IOWA  
AUGUST 12, 1975  
DAEC - 75 - 317

Regulatory

File Cy.

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. 50-381/43A  
Supplemental Report  
FILE: A-110, 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 complete written report on the subject abnormal occurrence. A preliminary report was transmitted to your office on August 8, 1975. The investigation of the abnormal occurrence had not been completed at the time the preliminary report was submitted.

Very truly yours,

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

DLW/GGH/mg

cc: (B. C. Rusche)  
C. W. Sandford  
J. A. Wallace  
L. Liu  
H. Rehrauer - Chairman, Safety Committee  
J. R. Newman  
E. L. Hammond

8855

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence - Supplemental Report  
Report Number: AO-50-331/75-43A  
Report Date: August 12, 1975  
Occurrence Date: July 31, 1975  
Facility: Duane Arnold Energy Center

## Identification of Occurrence

Out-of-specification APRM/RBM Flow Bias signal, reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.b.

## Description of Occurrence

During the performance of Surveillance Test Procedure 41A018 - APRM/RBM Flow Bias, Flow Unit D setpoint was found above the maximum voltage limit specified in the surveillance test procedure. (In the initial notification of this abnormal occurrence to the Nuclear Regulatory Commission, it was stated that Flow Unit C was also out-of-calibration. However, further investigation of the occurrence has determined that Flow Unit C was out-of-calibration in the conservative direction and not reportable.)

## Designation of Apparent Cause of Occurrence

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## Analysis of Occurrence

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## Corrective Action

Flow Unit D was recalibrated. There have been no previous occurrences at this facility involving APRM/RBM Flow Units out-of-specification in the non-conservative direction.

## Conclusion

This report was reviewed and approved by the DAEC Operations Committee on August 12, 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

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA  
DUANE ARNOLD ENERGY CENTER

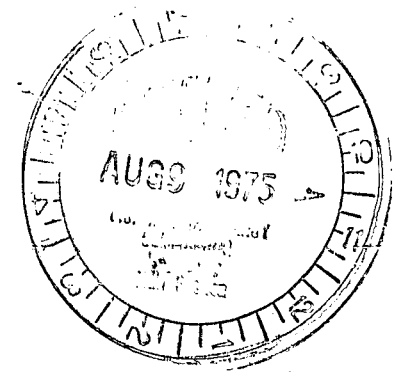
PALO, IOWA

AUGUST 1, 1975

DAEC - 75 - 313

58-331  
AO 75-43A

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



SUBJECT: Abnormal Occurrence Notification  
FILE: A-110, A-118a

Dear Mr. Keppler:

In accordance with DAEC Technical Specifications, Specification 6.11.2.A.1, this letter is a notification of an abnormal occurrence at the Duane Arnold Energy Center on July 31, 1975. This letter, telecopied to your office, is intended to satisfy the requirements for notification by telegram within 24 hours of an abnormal occurrence.

### Identification of Occurrence

Out-of-calibration APRM Flow Bias setting reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.d.

### Description of Occurrence

During the performance of Surveillance Test Procedure 4LA018 - APRM Flow Bias Channel C and D were found to be calibrated outside the limits specified in the surveillance test procedure.

A formal written report will be submitted to the Office of Inspection and Enforcement within 10 days of the subject abnormal occurrence.

Very truly yours,

G. G. Hunt

Chief Engineer

Duane Arnold Energy Center

DLW/GGH/mg

- |                    |            |                 |                           |
|--------------------|------------|-----------------|---------------------------|
| cc: (B. C. Rusche) | L. D. Root | D. L. Wilson    | H. W. Rehrauer - Chairman |
| C. W. Sandford     | G. G. Hunt | R. R. Rinderman | Safety Committee          |
| J. A. Wallace      | B. R. York | G. A. Cock      |                           |