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FROM: Iowa Electric Light and Power Co. Cedar Rapids, Iowa G.G. Hunt		DATE OF DOC 10-9-75	DATE REC'D 10-10-75	LTR xx	TWX	RPT	OTHER
TO: Office of Plans and Schedules		ORIG no	CC 1	OTHER	SENT AEC PDR xxx SENT LOCAL PDR <u>xx</u>		
CLASS	UNCLASS xxxx	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-331		
DESCRIPTION: Ltr trans the following:				ENCLOSURES: ACKNOWLEDGED Monthly Report for <u>September, 1975</u> Plant & Component Operability & Availability This Report to be used in preparing Gray Book by Plans & Operations. NUMBER OF COPIES REC'D: <u>1</u> DO NOT REMOVE			
PLANT NAME: Duane Arnold							

FOR ACTION/INFORMATION

10-10-75 JGB

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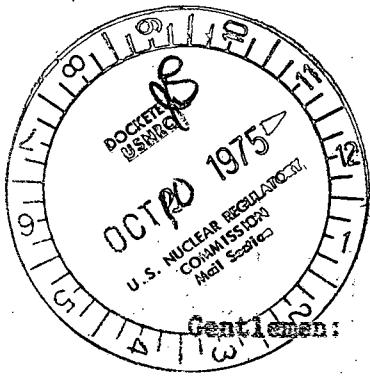
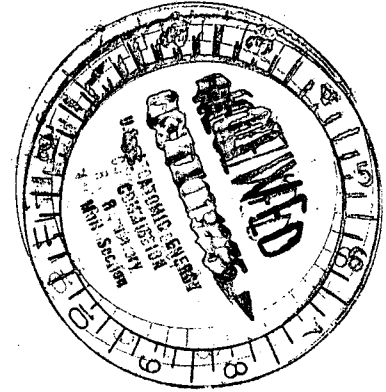
DUANE ARNOLD ENERGY CENTER

PALO, IOWA

OCTOBER 9, 1975

DAEC - 75 - 375

Office of Plans and Schedules
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. - 20545



Subject: Monthly Plant and Component
Operability and Availability
Report

File: A-118d

Gentlemen:

In accordance with Regulatory Guide 1.16, please find enclosed
the Monthly Plant and Component Operability and Availability Report for
September 1975.

Very truly yours,

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW/GGH/mg

Enclosure

- cc: Duane Arnold
- J. A. Wallace
- L. D. Root
- D. L. Wilson
- W. D. Bryant
- E. L. Hammond
- B. R. York
- D. A. Moen
- K. M. Haas
- Dennis Murdock
- George Toyne

Directorate of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

10800

DATE October 8, 1975

COMPLETED BY D. Wilson

DOCKET NO. 50-331 319/851-5611

OPERATING STATUS

1. REPORTING PERIOD: 0001, 750901 THROUGH 2400, 750930
HOURS IN REPORTING PERIOD: 720
 2. CURRENTLY AUTHORIZED POWER LEVEL (Mwth) 1593 MAX. DEPENDABLE CAPACITY (MWe-NET) 515
 3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): 430 (approximately)
 4. REASONS FOR RESTRICTION (IF ANY): NRC directive as the result of potential in-core instrument tube vibration.
- | | THIS REPORTING PERIOD | YR TO DATE | CUMULATIVE TO DATE |
|--|-----------------------|------------------|--------------------|
| 5. HOURS REACTOR WAS CRITICAL..... | <u>710.5</u> | <u>5128.2</u> | <u>9883.0</u> |
| 6. REACTOR RESERVE SHUTDOWN HOURS.. | <u>0</u> | <u>0</u> | <u>0</u> |
| 7. HOURS GENERATOR ON LINE..... | <u>655</u> | <u>4862.7</u> | <u>8774.7</u> |
| 8. UNIT RESERVE SHUTDOWN HOURS..... | <u>0</u> | <u>0</u> | <u>0</u> |
| 9. GROSS THERMAL ENERGY GENERATED (MWH)..... | <u>671,496</u> | <u>4,927,080</u> | <u>9,469,800</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..... | <u>227,953</u> | <u>1,632,200</u> | <u>3,136,950</u> |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)..... | <u>212,523.9</u> | <u>1,516,244</u> | <u>2,918,301</u> |
| 12. REACTOR AVAILABILITY FACTOR (1)..... | <u>99%</u> | <u>76%</u> | <u>76%</u> |
| 13. UNIT AVAILABILITY FACTOR (2)..... | <u>95%</u> | <u>72%</u> | <u>72%</u> |
| 14. UNIT CAPACITY FACTOR (3)..... | <u>57%</u> | <u>50%</u> | <u>50%</u> |
| 15. UNIT FORCED OUTAGE RATE (4)..... | <u>5%</u> | <u>12%</u> | <u>12%</u> |
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):
17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

DATE LAST FORECAST

DATE ACHIEVED

INITIAL CRITICALITY _____
INITIAL ELECTRICAL _____
POWER GENERATION _____
COMMERCIAL OPERATION _____

February 1975

- (1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (2) UNIT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (3) UNIT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
- (4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

- (1) REASON
 A-Equipment Failure (Explain)
 B-Maint. or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training and License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

- (2) METHOD
 1-Manual
 2-Manual Scram
 3-Automatic Scram

UNIT SHUTDOWNS

DOCKET NO. 50-331

UNIT NAME Duane Arnold Energy Center

DATE October 8, 1975

COMPLETED BY D. Wilson 319/851-5611

REPORT MONTH September 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
16	750903	F	22.5	1	N/A	Packing leaks on feedwater stop check valves and main steam isolation valve.
17	750929	F	12.5	1	3	Malfunction of turbine ERC system while performing turbine control valve surveillance testing.

SUMMARY: Reactor operation continued in load following mode.