MONTHLY REPORTS (FOR GRAY BOOK PREPARATION)

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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
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DESCRIPTION:
Ltr trans the following:

ENCLOSURES:
ACKNOWLEDGED
Monthly Report for September, 1975
Plant & Component Operability & Availability
This Report to be used in preparing Gray Book by Plans & Operations.

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PLANT NAME: Duane Arnold

FOR ACTION/INFORMATION 10-10-75 JGB

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IOWA ELECTRIC LIGHT AND POWER COMPANY

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

10800

UNIT: Duane Arnold Energy Center

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.....	710.5	5128.2	9883.0
6. REACTOR RESERVE SHUTDOWN HOURS..	0	0	
7. HOURS GENERATOR ON LINE.....	685	4862.7	8774.7
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH).....	671,496	4,927,080	9,469,800
10. GROSS ELECTRICAL ENERGY GENERATED (MWH).....	227,953	1,632,200	3,136,950
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	212,523.9	1,516,244	2,918,301
12. REACTOR AVAILABILITY FACTOR (1).	99%	76%	76%
13. UNIT AVAILABILITY FACTOR (2)....	95%	72%	72%
14. UNIT CAPACITY FACTOR (3).....	57%	50%	50%
15. UNIT FORCED OUTAGE RATE (4).....	5%	12%	12%

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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET) X HOURS IN REPORTING PERIOD}}$

(4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE+FORCED OUTAGE HOURS}} \times 100$

(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 EHC system while performing turbine control valve surveillance testing.

SUMMARY: Reactor operation continued in load following mode.