

## MONTHLY REPORTS (FOR GRAY BOOK PREPARATION)

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FILE: MONTHLY REPORT FILE

FROM: Iowa Electric Light And Power Co. Cedar Rapids, Iowa G.G. Hunt			DATE OF DOC 5-9-75	DATE REC'D 5-12-75	LTR xxxx	TWX	RPT	OTHER
TO: Office of Plans and Schedules			ORIG 1-signed	CC	OTHER	SENT AEC PDR xxx		
						SENT LOCAL PDR xxx		
CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-331		
	xxxx							

## DESCRIPTION:

Ltr trans the following:

## ENCLOSURES:

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

NUMBER OF COPIES REC'D: 1

## PLANT NAME:

Duane Arnold

## FOR ACTION/INFORMATION

5-13-75 JGB

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# IOWA ELECTRIC LIGHT AND POWER COMPANY

*General Office*

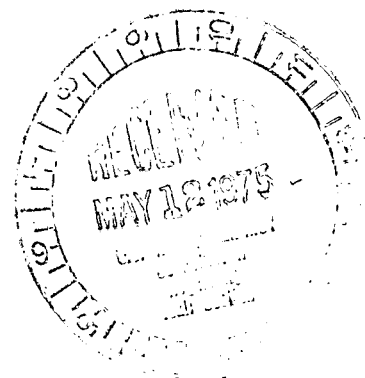
**CEDAR RAPIDS, IOWA**

DUANE ARNOLD ENERGY CENTER

PALO, IOWA

MAY 9, 1975

DAEC-75-194



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 April, 1975.

Yours very truly,

A handwritten signature in dark ink, appearing to read 'G. G. Hunt', is written over the typed name.

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

DLW/GGH/mg  
Enclosure

cc: C. W. Sandford  
J. A. Wallace  
L. D. Root  
D. L. Wilson  
E. L. Hammond  
B. R. York  
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George Toyne

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

5240

DOCKET NO. 50-331

UNIT Duane Arnold Energy Center

DATE May 9, 1975

COMPLETED BY D. Wilson 319-851-5611

AVERAGE DAILY UNIT POWER LEVEL

MONTH April, 1975

AVERAGE DAILY POWER LEVEL

DAY	(MWe-net)
1	458
2	486
3	505
4	414
5	387
6	344
7	399
8	410
9	413
10	405
11	392
12	359
13	300
14	367
15	384
16	337

AVERAGE DAILY POWER LEVEL

DAY	(MWe-net)
17	293
18	265
19	178
20	0
21	0
22	0
23	0
24	0
25	0
26	189
27	186
28	263
29	275
30	300
31	-

DATE May 9, 1975COMPLETED BY D. Wilson 319-851-5611DOCKET NO. 50-331

## OPERATING STATUS

1. REPORTING PERIOD: 0001, 750401                      THROUGH 2400, 750430  
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):
4. REASONS FOR RESTRICTION (IF ANY):

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL.....	626	2559.7	7314.5
6. REACTOR RESERVE SHUTDOWN HOURS..	0	0	0
7. HOURS GENERATOR ON LINE.....	580.4	2412.4	6324.4
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH).....	637,824	2,554,632	7,097,352
10. GROSS ELECTRICAL ENERGY GENERATED (MWH).....	214,365	845,103	2,349,853
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	197,987	786,561.5	2,188,618.5
12. REACTOR AVAILABILITY FACTOR (1).	87%	86%	86%
13. UNIT AVAILABILITY FACTOR (2)....	81%	82%	82%
14. UNIT CAPACITY FACTOR (3).....	53%	53%	53%
15. UNIT FORCED OUTAGE RATE (4).....	19%	18%	18%
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  
FORECASTDATE  
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 May 9, 1975

COMPLETED BY D. Wilson 319-851-5611

REPORT MONTH April 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
8	750419	F	127.3	A	Orderly Shutdown and (3)	HPCI Swing Check and Stop Check Valve repair and testing. See Abnormal Occurrence Report No. AO 50-331/75-23
9	750425	F	12.3	A	N/A	Unable to maintain main condenser vacuum. Blown rupture disk in steam jet air ejectors repaired.

SUMMARY: Plant continued load following operation.