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FROM: Iowa Electric Light & Power Cedar Rapids, Iowa G.G. Hunt			DATE OF DOC 8-8-75	DATE REC'D 8-13-75	LTR XX	TWX	RPT	OTHER
TO: NRC			ORIG 1 Signed	CC	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-331		
DESCRIPTION: Ltr trans the following:				ENCLOSURES: Monthly Report for <u>July 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>				
PLANT NAME: Duane Arnold								

FOR ACTION/INFORMATION

SAB 8-13-75

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50-331

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA
DUANE ARNOLD ENERGY CENTER
PALO, IOWA
AUGUST 8, 1975
DAEC - 75 -315

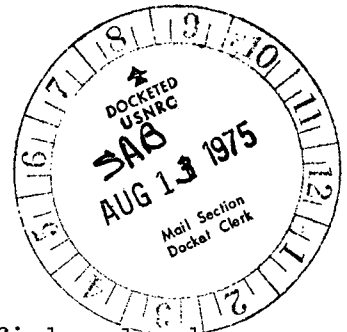
Regulatory

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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 July 1975.

Very truly yours,

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW/GGH/mg

Enclosure.

cc: C. W. Sandford
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Directorate of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Elly, Illinois 60137

8616

UNIT Duane Arnold Energy CenterDATE August 7, 1975COMPLETED BY D. Wilson 319/851-5611DOCKET NO. 50-331

OPERATING STATUS

1. REPORTING PERIOD: 0001, 750701 THROUGH 2400, 750730
HOURS IN REPORTING PERIOD: 744
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 a result of potential in-core instrument tube vibration.

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL.....	<u>297.8</u>	<u>3694.7</u>	<u>8449.50</u>
6. REACTOR RESERVE SHUTDOWN HOURS..	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>271</u>	<u>3464.7</u>	<u>7376.7</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>309336</u>	<u>3579936</u>	<u>8122656</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH).....	<u>101,103</u>	<u>1180047</u>	<u>2684797</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>* 93,590.1</u>	<u>1094493.1</u>	<u>2496550.1</u>
12. REACTOR AVAILABILITY FACTOR (1).....	<u>40%</u>	<u>68%</u>	<u>68%</u>
13. UNIT AVAILABILITY FACTOR (2).....	<u>36%</u>	<u>64%</u>	<u>64%</u>
14. UNIT CAPACITY FACTOR (3).....	<u>24%</u>	<u>40%</u>	<u>40%</u>
15. UNIT FORCED OUTAGE RATE (4).....	<u>0</u>	<u>15%</u>	<u>15%</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
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 = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

*Does not include station power requirements when unit off-line.

(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 August 7, 1975

COMPLETED BY D. Wilson 319/851/5611

REPORT MONTH July

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
13	750606	S	449	B	1	Continuation of outage from previous month for inspection of in-core monitors and associated fuel channels. Also, repair of relief valve ramshead restraints in pressure suppression chamber.

SUMMARY: Power operations in the load following mode were resumed on July 19, 1975.

DOCKET NO. 50-331

UNIT Duane Arnold Energy Center

DATE August 7, 1975

COMPLETED BY D. Wilson 319/851-5611

AVERAGE DAILY UNIT POWER LEVEL

MONTH July, 1975

AVERAGE DAILY POWER LEVEL	
DAY	(MWe-net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

AVERAGE DAILY POWER LEVEL	
DAY	(MWe-net)
17	<u>0</u>
18	<u>0</u>
19	<u>2.6</u>
20	<u>28.8</u>
21	<u>126.2</u>
22	<u>257.1</u>
23	<u>318.4</u>
24	<u>350.8</u>
25	<u>391.2</u>
26	<u>404.1</u>
27	<u>417.7</u>
28	<u>381.1</u>
29	<u>399.7</u>
30	<u>407.5</u>
31	<u>407.1</u>