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MONTHLY REPORT

TO:

N. R. C.

FROM:

Iowa Electric Light & Power Company
Cedar Rapids, Iowa
G. G. Hunt

DATE OF DOCUMENT

7/8/76

DATE RECEIVED

7/9/76

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LETTER TRANS THE FOLLOWING:

ENCLOSURE

SURE
MONTHLY REPORT FOR MAY/76
PLANT & COMPONENT OPERABILITY &
AVAILABILITY. THIS REPORT TO BE USED IN
PREPARING GRAY BOOK BY PLANS & OPERATIONS.
(CORRECTED COPY)

PLANT NAME:
Duane Arnold

(4-P)

ACKNOWLEDGED
DO NOT REMOVE

SAFETY

FOR ACTION/INFORMATION

ENVIRO

7/12/76

RJL

<input checked="" type="checkbox"/>	MIPC
<input type="checkbox"/>	W/4 CYS FOR ACTION

INTERNAL DISTRIBUTION

REG. FILE		
NRC PDR		
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EXTERNAL DISTRIBUTION

X	LPDR: Cedar Rapids, Iowa		
X	TIC		
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CONTROL NUMBER

6795

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER

P. O. Box 351

Cedar Rapids, Iowa 52406

July 8, 1976

DAEC-76 -215

Corrected Copy for May

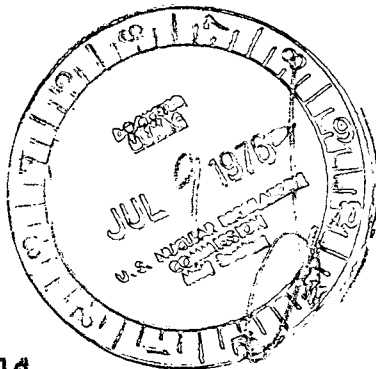
Director, Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington D.C. 20555

Subject: Monthly Operating Report

File: A-118d

Dear Sirs:

Please find enclosed 10 copies of the Duane Arnold Energy Center Monthly Operating Report for May, 1976. The report has been prepared in accordance with the requirements of Regulatory Guide 1.16 and distribution has been made in accordance with Regulatory Guide 10.1.



Very truly yours,

G. G. Hunt
G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW/GGH/mg
Encl.

cc: D. Arnold
J. Wallace
S. Smith
L. Root
W. Bryant
E. Hammond
D. Wilson
K. Haas
Dennis Murdock
George Toyne

Directorate of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137 (1)

Director, Office of Management Information
and Program Control
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555 (2)

6795

DATE July 8, 1976COMPLETED BY D. KalavittinosDOCKET NO. 050-331

OPERATING STATUS

1. REPORTING PERIOD: 001, 760501 THROUGH 2400, 760531
 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): 475

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>601.5</u> | <u>2028.25</u> | <u>14059.0</u> |
| 6. REACTOR RESERVE SHUTDOWN HOURS.. | <u>-</u> | <u>-</u> | <u>-</u> |
| 7. HOURS GENERATOR ON LINE..... | <u>592.75</u> | <u>1953.75</u> | <u>12,854</u> |
| 8. UNIT RESERVE SHUTDOWN HOURS..... | <u>-</u> | <u>-</u> | <u>-</u> |
| 9. GROSS THERMAL ENERGY
GENERATED (MMH)..... | <u>479,064</u> | <u>2,046,168</u> | <u>14,009,616.0</u> |
| 10. GROSS ELECTRICAL ENERGY
GENERATED (MMH)..... | <u>158,700</u> | <u>679,934</u> | <u>4,656,163.0</u> |
| 11. NET ELECTRICAL ENERGY
GENERATED (MMH)..... | <u>146,355.4</u> | <u>629,441.2</u> | <u>4,329,681.3</u> |
| 12. REACTOR AVAILABILITY FACTOR (1)..... | <u>81%</u> | <u>56%</u> | <u>74%</u> |
| 13. UNIT AVAILABILITY FACTOR (2)..... | <u>80%</u> | <u>54%</u> | <u>71%</u> |
| 14. UNIT CAPACITY FACTOR (3)..... | <u>38%</u> | <u>34%</u> | <u>45%</u> |
| 15. UNIT FORCED OUTAGE RATE (4)..... | <u>2%</u> | <u>3%</u> | <u>8%</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

Feb 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. 050-331

UNIT NAME Duane Arnold Energy Center

DATE July 8, 1976

COMPLETED BY D. Kalavittinos

REPORT MONTH May

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
6	760519	S	137.5	B	1.	Local Leak Rate Test of Feedwater Check Valve
7	760528	F	14.0	A	3	APRM Hi Flux due to recirc pump high Flow.

Corrected for May

DOCKET NO. 050-331

UNIT Duane Arnold Energy Center

DATE July 8, 1976

COMPLETED BY D. Kalavittinos

AVERAGE DAILY UNIT POWER LEVEL

MONTH May

AVERAGE DAILY POWER LEVEL

DAY	(MWe-net)
1	366
2	365
3	323
4	305
5	313
6	306
7	308
8	304
9	303
10	302
11	304
12	302
13	303
14	301
15	299
16	298

AVERAGE DAILY POWER LEVEL

DAY	(MWe-net)
17	301
18	295
19	8.0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	68
29	94
30	167
31	177