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MONTHLY REPORT

TO:

N. R. C.

FROM:

Iowa Elec. Light & Pwr. Company
Cedar Rapids, Iowa
Ellery L. Hammond

DATE OF DOCUMENT

5/3/77

DATE RECEIVED

5/18/77

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DESCRIPTION

Letter trans the following:

Availability.

(1-P)

PLANT NAME:
Duane Arnold

RJL

ENCLOSURE

Monthly Report for APRIL, 1977
Plant & Component Operability & Availability.
This Report to be used in preparing Gray Book
by Plans & Operations.

(3-P)

ACKNOWLEDGED

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FOR ACTION/INFORMATION

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MR

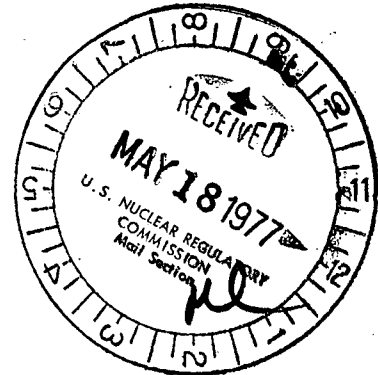
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IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER

P. O. Box 351
Cedar Rapids, Iowa 52406

May 3, 1977
DAEC-77-252



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

Subject: Monthly Operating Report

File: A-118d

Regulatory

File Cy.

Dear Sirs:

Please find enclosed 10 copies of the Duane Arnold Energy Center Monthly Operating Report for April, 1977. 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,

Ellery L. Hammond
Chief Engineer
Duane Arnold Energy Center

ELH/JVS/mg

Encl.

cc: D. Arnold
J. Wallace
S. Smith
L. Root
W. Bryant
D. Mineck
D. Wilson
R. Hannen
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)

771390017

DOCKET NO. 050-0331UNIT Duane Arnold Energy CenterDATE May 3, 1977COMPLETED BY J. Van SickelTELEPHONE 319-851-5611

OPERATING STATUS

1. REPORTING PERIOD: April GROSS HOURS IN REPORTING PERIOD: 719

2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 1593 MAX. DEPEND. CAPACITY (MWe-Net): 515
 DESIGN ELECTRICAL RATING (MWe-Net): 538

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): 480 (approximately)

4. REASONS FOR RESTRICTION (IF ANY): Cycle 3 MCPR limitations

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL	<u>0</u>	<u>1691.3</u>	<u>15,240.7</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>0</u>	<u>1683.7</u>	<u>14,855.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).	<u>0</u>	<u>2,148,960</u>	<u>16,929,360</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH).	<u>0</u>	<u>730,853</u>	<u>5,663,640</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).	<u>0</u>	<u>683,504.4</u>	<u>5,272,415.6</u>
12. REACTOR SERVICE FACTOR	<u>0%</u>	<u>58.7%</u>	<u>77.4%</u>
13. REACTOR AVAILABILITY FACTOR.	<u>0%</u>	<u>58.7%</u>	<u>77.4%</u>
14. UNIT SERVICE FACTOR	<u>0%</u>	<u>58.5%</u>	<u>75.5%</u>
15. UNIT AVAILABILITY FACTOR.	<u>0%</u>	<u>58.5%</u>	<u>75.5%</u>
16. UNIT CAPACITY FACTOR (Using MDC).	<u>0%</u>	<u>46.1%</u>	<u>52.0%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe).	<u>0%</u>	<u>44.1%</u>	<u>49.8%</u>
18. UNIT FORCED OUTAGE RATE	<u>0%</u>	<u>0%</u>	<u>5.9%</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: May 13, 1977

(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
4-Other (Explain)

DOCKET NO. 050-0331

UNIT NAME Duane Arnold Energy Center

DATE May 3, 1977

COMPLETED BY J. Van Sickel

TELEPHONE 319-851-5611

UNIT SHUTDOWNS

AND POWER REDUCTIONS

REPORT MONTH April

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
3.	770312	S	719	C	1	Refuel Outage Continuing

SUMMARY: Refuel outage continued throughout the month. T/G work completed. Main Steam Relief Valves being replaced.

DOCKET NO. 050-0331

UNIT Duane Arnold Energy Center

DATE May 3, 1977

COMPLETED BY J. Van Sickel

-AVERAGE DAILY UNIT POWER LEVEL

MONTH April

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>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>