

F 05/05/78

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SUBJECT: LTR 1 ENCL 10  
FORWARDING SUBJECT FACILITY'S MONTHLY OPERATING REPT FOR THE MONTH OF MARCH,  
1978.

PLANT NAME: DUANE ARNOLD REVIEWER INITIAL: XJM  
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MONTHLY OPERATING REPORT FOR GRAY BOOK PREPARATION.  
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IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
April 25, 1978  
DAEC -78 - 233

50-331

CORRECTED COPY

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

Subject: Monthly Operating Report  
File: A-118d

1978 MAY 2 PM 1 42  
US NRC  
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Dear Sir:

Please find enclosed 10 copies of the Duane Arnold Energy Center Monthly Operating Report for March 1978. 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*  
Ellery L. Hammond  
Chief Engineer  
Duane Arnold Energy Center

ELH/JVS/mg  
Encl.

cc: D. Arnold  
S. Tuthill  
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A003  
5/1/10\*

## OPERATING DATA REPORT

DOCKET NO. 050-0331  
 DATE 4-25-78  
 COMPLETED BY J. Van Sickle  
 TELEPHONE 319-851-5611

OPERATING STATUS

1. Unit Name: Duane Arnold Energy Center
2. Reporting Period: March
3. Licensed Thermal Power (MWt): 1658
- \* 4. Nameplate Rating (Gross MWe): 565 (Turbine Rating)
5. Design Electrical Rating (Net MWe): 538
6. Maximum Dependable Capacity (Gross MWe): 545
7. Maximum Dependable Capacity (Net MWe): 515
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): 485 (approximately)
10. Reasons For Restrictions, If Any: end of cycle MCPR limitations

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>2160</u>	<u>27,720</u>
12. Number Of Hours Reactor Was Critical	<u>413.1</u>	<u>1811.3</u>	<u>22,365.3</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>410</u>	<u>1801.8</u>	<u>21,884.5</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>597,000</u>	<u>2,511,432</u>	<u>26,616,648</u>
17. Gross Electrical Energy Generated (MWH)	<u>204,453</u>	<u>855,387</u>	<u>8,885,491</u>
18. Net Electrical Energy Generated (MWH)	<u>192,239</u>	<u>804,810</u>	<u>8,293,549</u>
19. Unit Service Factor	<u>55.1%</u>	<u>83.4%</u>	<u>78.9%</u>
20. Unit Availability Factor	<u>55.1%</u>	<u>83.4%</u>	<u>78.9%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>50.2%</u>	<u>72.3%</u>	<u>58.1%</u>
22. Unit Capacity Factor (Using DER Net)	<u>48.0%</u>	<u>69.3%</u>	<u>55.6%</u>
23. Unit Forced Outage Rate	<u>0%</u>	<u>1.3%</u>	<u>4.9%</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Plant was shutdown March 18, 1978 for refueling.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: April 21, 1978

\*Turbine rating: 565.7 MWe

Generator rating: 663.5 (MVA) x .90 (Power Factor) = 597 MWe