

OPERATING DATA REPORT

REVISION 1

DOCKET NO. 050-0331

DATE 9-15-84

COMPLETED BY Ken S. Putnam

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OPERATING STATUS

1. Unit Name Duane Arnold Energy Center
2. Reporting Period May, 1984
3. Licensed Thermal Power (MWT): 1658
4. Nameplate Rating (Gross MWe): 565
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 the Last Report, Give Reasons:

Notes

9. Power Level to Which Restricted, if Any (Net MWe): _____

10. Reasons For Restrictions, if Any: _____

| | This Month | Yr-to-Date | Cumulative |
|---|---------------|----------------|-----------------|
| 11. Hours in Reporting Period | <u>744.0</u> | <u>3647.0</u> | <u>81791.0</u> |
| 12. Number of Hours Reactor Was Critical | <u>390.2</u> | <u>2732.6</u> | <u>58667.6</u> |
| 13. Reactor Reserve Shutdown Hours | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |
| 14. Hours Generator On-Line | <u>388.8</u> | <u>2689.0</u> | <u>57131.7</u> |
| 15. Unit Reserve Shutdown Hours | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |
| 16. Gross Thermal Energy Generated (MWH) | <u>451809</u> | <u>3975369</u> | <u>71723931</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>153533</u> | <u>1352158</u> | <u>24046215</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>143678</u> | <u>1275141</u> | <u>22513731</u> |
| 19. Unit Service Factor | <u>52.3</u> | <u>73.7</u> | <u>69.9</u> |
| 20. Unit Availability Factor | <u>52.3</u> | <u>73.7</u> | <u>69.9</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>37.5</u> | <u>67.9</u> | <u>53.4</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>35.9</u> | <u>65.0</u> | <u>51.2</u> |
| 23. Unit Forced Outage Rate | <u>0.0</u> | <u>18.3</u> | <u>17.3</u> |

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

Maintenance outage beginning May 16, 1984, lasting 2 to 4 weeks.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: June 15, 1984

* Turbine Rating: 565.7 MWe

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

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