

OPERATING DATA REPORT

DOCKET NO. 050-0331
 DATE 06-15-89
 COMPLETED BY Lonnie Miller
 TELEPHONE (319) 851-7204

OPERATING STATUS

Notes

1. Unit Name: Duane Arnold Energy Center
2. Reporting Period: March 1989
3. Licensed Thermal Power (MWt): 1658
4. Nameplate Rating (Gross MWe): 565 (Turbine)
5. Design Electrical Rating (Net MWe): 538
6. Maximum Dependable Capacity (Gross MWe): 565
7. Maximum Dependable Capacity (Net MWe): 538
8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since the Last Report, Give Reasons: N/A
9. Power Level to Which Restricted, If Any (Net MWe): N/A
10. Reasons for Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>744.0</u>	<u>2160.0</u>	<u>124152.0</u>
12. Number of Hours Reactor Was Critical	<u>506.1</u>	<u>1741.4</u>	<u>88689.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>192.8</u>
14. Hours Generator On-Line	<u>480.3</u>	<u>1482.6</u>	<u>86124.2</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generatod (MWN)	<u>756976.8</u>	<u>2238304.8</u>	<u>112277973.4</u>
17. Gross Electrical Energy Generated (MWH)	<u>260381.0</u>	<u>762560.0</u>	<u>37694786.0</u>
18. Net Electrical Energy Generated (MWH)	<u>243794.2</u>	<u>672079.0</u>	<u>35295365.0</u>
19. Unit Service Factor	<u>64.6</u>	<u>68.6</u>	<u>69.4</u>
20. Unit Availability Factor	<u>64.6</u>	<u>68.6</u>	<u>69.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>60.9</u>	<u>57.8</u>	<u>52.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>60.9</u>	<u>57.8</u>	<u>52.8</u>
23. Unit Forced Outage Rate	<u>4.8</u>	<u>22.9</u>	<u>14.4</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of each: <u>October, 1989, Planned Maintenance and Testing</u>)			
25. If Shutdown at End of Report Period, Est. Date of Startup: <u>N/A</u>			

(9/77)

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: March 1989

Docket No.: 050-0331
 Unit: Duane Arnold Energy Center
 Date: 06-15-89
 Completed By: Lonnie Miller
 Telephone: (319) 851-7204

No.	Date	Type(1)	Duration (Hours)	Reason(2)	Method of Shutting (3) Down Reactor	Licensee Event Report #	System Code (4)	Comp. Code (5)	Cause
1	3-5-89	F	24.0	A	3	89-008	JM	CL	Steam line isolation valve closed due to a failed DC solenoid valve caused by a failed solenoid coil. The moisture intrusion was due to an inadequate maintenance repair procedure.
2	3-6-89	S	239.7	B	4	N/A	N/A	N/A	Remained off line to perform planned maintenance on a steam line drain valve. Additional work was performed on a MSIV. This work involved valve stem repair. Work was also performed on the steam supply valve to the HPCI system.

1 - F: Forced
 S: Scheduled

2 - Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

3 - Method
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continued
 5-Reduced Load
 9-Other (Explain)

4 - Exhibit G-
 Instructions for
 Preparation of Data
 Entry Sheets for
 Licensee Event Report
 (LER) File (NUREG-
 0161)

5 - Exhibit 1-
 Same Source