

November 15, 2004

NG-04-0694  
TS 5.6.4

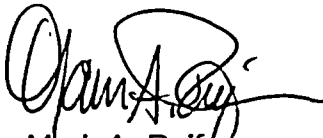
U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Duane Arnold Energy Center  
Docket 50-331  
License No. DPR-49

Monthly Operating Report

Please find enclosed the Duane Arnold Energy Center (DAEC) Monthly Operating Report. The report has been prepared in accordance with the guidelines of NRC Generic Letter 97-02: "Revised Contents Of The Monthly Operating Report," and distribution has been made in accordance with DAEC Technical Specifications, Section 5.6.4.

This letter makes no new commitments or changes to any existing commitments.



Mark A. Peifer  
Site Vice President, Duane Arnold Energy Center  
Nuclear Management Company, LLC

Enclosure: (1)

CC : Administrator, Region III, USNRC  
Project Manager, DAEC, USNRC  
Resident Inspector, DAEC, USNRC

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**ENCLOSURE 1**  
**MONTHLY OPERATING REPORT**

DOCKET NO. 50-331  
UNIT NAME Duane Arnold  
DATE November 4, 2004  
COMPLETED BY Mike Fairchild  
TELEPHONE (319) 851-7642

REPORTING PERIOD: October 2004

1. Design Electrical Rating (MWe) 581.40  
2. Maximum Dependable Capacity (MWe-Net) 565.50

	<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3. Number of Hours the Reactor was Critical	<u>666.33</u>	<u>7,169.90</u>	<u>208,848.17</u>
4. Number of Hours Generator On-line	<u>651.78</u>	<u>7,133.01</u>	<u>204,418.53</u>
5. Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>192.80</u>
6. Net Electrical Energy Generated (MWHrs)	<u>358,931.00</u>	<u>4,090,583.00</u>	<u>96,045,858.68</u>

**UNIT SHUTDOWNS**

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason <sup>1</sup>	Method of Shutting Down <sup>2</sup>	Cause & Corrective Action Comments
-2	10/25/04	S	94.37	B	1	Planned shutdown to repair main condenser tube leak.

<sup>1</sup>Reason:

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

<sup>2</sup>Method:

1 Manual  
2 Manual Trip/Scram  
3 Automatic Trip/Scram  
4 Continuation  
5 Other (Explain)

## NARRATIVE SUMMARY

At 0033 on October 11, reactor power was reduced to 1692 MWth in order to perform a loadline adjustment. Full power was restored at 0114 on October 11.

At 1300 on October 24, power reduction began in preparation for a reactor shutdown to repair a small main condenser tube leak which had been identified earlier in the month. The Main Turbine was tripped at 0338, on October 25. After planned work was completed reactor startup commenced at 0410 on October 28, and the main generator was placed back on the grid at 0200 on October 29. Operators secured from raising reactor power at 0045 on October 30, at 1650 MWth, and the "A" Feedwater Regulating Valve (FRV) controller was placed in manual due to control oscillations. Reactor power was then reduced to 1540 MWth by 0132. After improvement in the magnitude of FRV oscillations, the "A" FRV controller was placed back into automatic at 0144, but control was still unstable. Power reduction continued to 1500 MWth by 0159 and it was noted the oscillations on the "A" FRV had ceased. Power ascension remained on hold pending resolution of the FRV control issue.

At 0200 on October 31, operators commenced reducing reactor power to 1260 MWth in order to perform a loadline adjustment. Reactor power was then raised to 1497 MWth by 0335 on October 31. Further power ascension remained on hold pending resolution of the FRV control issue.