

May 13, 2004

NG-04-0332
TS 5.6.4

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station 0-P1-17
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 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.

Sincerely,



Mark A. Peifer
Site Vice President, Duane Arnold Energy Center

CC Regional Administrator, USNRC, Region III
Project Manager, USNRC, NRR
NRC Resident Inspector (DAEC)

Enclosure: OPERATING DATA REPORT

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OPERATING DATA REPORT

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

REPORTING PERIOD: April 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>647.57</u>	<u>2,831.57</u>	<u>204,509.84</u>
4. Number of Hours Generator On-line	<u>625.23</u>	<u>2,809.23</u>	<u>200,094.75</u>
5. Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>192.80</u>
6. Net Electrical Energy Generated (MWHrs)	<u>349,640.20</u>	<u>1,628,350.90</u>	<u>93,583,626.58</u>

UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason ¹	Method of Shutting Down ²	Cause & Corrective Action Comments
1	4/19/04	S	93.77	B	1	Planned shutdown to replace a leaking main steam relief valve.

¹Reason:

- 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)

²Method:

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

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NARRATIVE SUMMARY

On April 18 at 1200, reactor power reduction commenced for a planned plant shutdown for replacement of a leaking main steam relief valve. The main generator was disconnected from the grid at 0149 on April 19. Following completion of maintenance, reactor startup commenced at 0031 on April 22, and the generator was synchronized to the grid at 2335 on April 22. Full rated thermal power was reached at 0339 on April 24. At 0912 on April 26, power reduction was commenced due to oscillations of the "A" reactor feedwater regulating valve. The "A" reactor feedwater pump was removed from service, and power reduction was secured at 1442 on April 26 at 45.8% power. After replacement of the "A" feedwater regulating valve positioner, full power was achieved at 0432 on April 27. The only other power reductions during the month were for load line adjustments on April 24, 25, 27, and 28.