

September 10, 2003

NG-03-0642
10 CFR 50.4

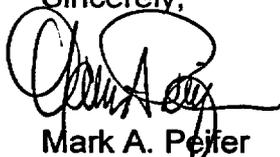
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
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Washington, DC 20555-0001

DUANE ARNOLD ENERGY CENTER
DOCKET 50-331
LICENSE No. DPR-49
AUGUST 2003 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 contains no new 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

OPERATING DATA REPORT

DOCKET NO. 50-331
 UNIT NAME Duane Arnold 1
 DATE September 2, 2003
 COMPLETED BY Richard Woodward
 TELEPHONE (319) 851-7318

REPORTING PERIOD: August 2003

- 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>744.00</u>	<u>4,895.27</u>	<u>199,140.99</u>
4. Number of Hours Generator On-line	<u>744.00</u>	<u>4,820.79</u>	<u>194,894.04</u>
5. Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>192.80</u>
6. Net Electrical Energy Generated (MWHrs)	<u>419,018.80</u>	<u>2,732,875.30</u>	<u>90,689,577.58</u>

UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason ¹	Method of Shutting Down ²	Cause & Corrective Action Comments

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)

NARRATIVE SUMMARY

At the beginning of August, the DAEC had operated 102 days since completion of Refueling Outage 18. During the month, there were two departures from full-power operation: (1) an unplanned runback of both reactor water recirculation pumps on August 22, and (2) a load-line adjustment to 94.5% on August 24.

At 1300 on August 22, a runback of both reactor recirculation pumps to 45% occurred. The plant was stabilized at approximately 64%. All other key plant parameters were stable and indicated within acceptable values.

At the time of the reactor recirculation pump runback transient, a surveillance test was in progress which required changing the position of the Reactor Water Level Control Input Select Handswitch. If only a single reactor feed pump is running, a 45% runback may occur when switching this handswitch position. The runback occurs because this switch is a break before make design resulting in a momentary low level indication. The procedure cautions operators to verify that both reactor feed pumps are operating before switching the handswitch position. Operators complied and verified that both feed pumps were running. However, after the transient, it was noted that an auxiliary contact on the "B" reactor feed pump was not picked up. Subsequently, it was noted that the affected relay had failed and dropped out, resulting in the logic recognizing only the "A" feedpump as running.