

May 15, 2003

NG-03-0356

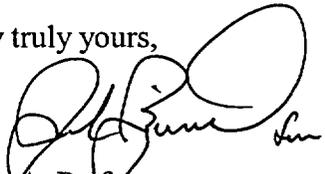
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
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Subject: Duane Arnold Energy Center
Docket No: 50-331
Operating License: DPR-49
April 2003 Monthly Operating Report
File: A-118d

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.

There are no new commitments made in this letter.

Very truly yours,



5/12/03

Mark A. Peifer
Site Vice President

MAP/RBW

Enclosures

IE24

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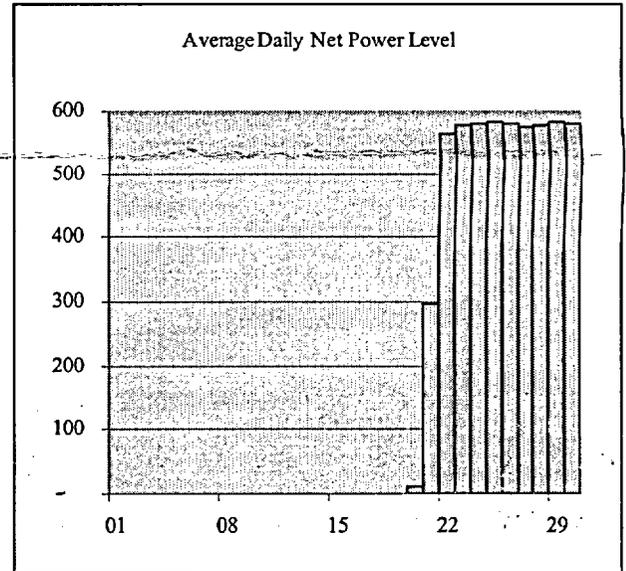
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OPERATING DATA REPORT

DOCKET NO: 50-331
 DATE: 05-15-2003
 Unit: Duane Arnold Energy Center
 COMPLETED BY: Richard Woodward
 TELEPHONE: (319) 851-7318

OPERATING STATUS

1. Unit Name: Duane Arnold Energy Center
2. Reporting Period: April 2003
3. Licensed Thermal Power (MW_{th}): 1912
Tech. Spec. Amendment 243 and TSCR for extended power uprate was implemented November 7, 2001. Current operating thermal power, as limited by balance-of-plant equipment, is 1790.
4. Nameplate Rating (Gross MW_e DER): 676.425
Current rated output, adjusted for as-built balance-of-plant conditions is 614.0.
5. Design Electrical Rating (Net MW_e DER): 581.4
6. Maximum Dependable Capacity (Gross MW_e MDC): 593.1
7. Maximum Dependable Capacity (Net MW_e MDC): 565.5
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 MW_e): N/A
10. Reasons for Restrictions, If Any: N/A



		Apr-03	2003	Cumulative
11.	Hours in-Reporting Period	719.0	2,879.0	247,583.0
12.	Number of Hours Reactor Was Critical	294.3	1,943.3	196,189.1
13.	Reactor Reserve Shutdown Hours	0.0	0.0	192.8
14.	Hours Generator On-Line	248.4	1,868.8	191,942.1
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	418,056.9	3,258,773.0	281,996,199.1
17.	Gross Electrical Energy Generated (MWH)	140,228.0	1,112,232.0	94,687,044.6
18.	Net Electrical Energy Generated (MWH)	132,567.6	1,052,029.6	89,008,731.9
19.	Unit Service Factor	34.5%	64.9%	77.5%
20.	Unit Availability Factor	34.5%	64.9%	77.5%
21.	Unit Capacity Factor (Using MDC Net)	32.6%	64.6%	70.6%
22.	Unit Capacity Factor (Using DER Net)	31.7%	62.9%	68.5%
23.	Unit Forced Outage Rate	0.0%	15.7%	8.3%

AVERAGE DAILY UNIT POWER LEVEL

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MONTH April 2003

Day	Average Daily Power Level (MWe-Net)
04/01	0
04/02	0
04/03	0
04/04	0
04/05	0
04/06	0
04/07	0
04/08	0
04/09	0
04/10	0
04/11	0
04/12	0
04/13	0
04/14	0
04/15	0
04/16	0
04/17	0
04/18	0
04/19	0
04/20	11
04/21	298
04/22	565
04/23	579
04/24	582
04/25	583
04/26	581
04/27	575
04/28	579
04/29	583
04/30	580
#N/A	#N/A

REFUELING INFORMATION

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1. Name of facility. Duane Arnold Energy Center
2. Scheduled date for next refueling shutdown. Winter 2005
3. Scheduled date for restart following refueling. Spring 2005
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? No
5. Scheduled date(s) for submitting proposed licensing action and supporting information. N/A
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures. N/A
7. Current fuel assemblies inventory

	Number of Fuel Assemblies	Projected date of last refueling that can be discharged (after allowing margin for maintenance of continuous full-core discharge capability)
Installed into reactor core	368	
Discharged from core to Spent Fuel Storage Pool	2064	
Scheduled for transfer to Dry Fuel Storage November 2003	610	
Installed capacity of Spent Fuel Storage	2411	2008
Licensed capacity of Spent Fuel Storage (with re-racking of pool)	2829	2014
Licensed capacity of Spent Fuel Storage Pool and Cask Pool (with reracking)	3152	

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UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: April 2003

No.	Date	Type (1)	Duration (Hours)	Reason (2)	Method of Shutting Down Reactor (3)	Licensee Event Report #	Cause
3	04/01/03	S	470.6 (490.22 Effective-full- power hours)	C	4		Refueling Outage

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)
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Monthly Operational Overview for April 2003 (continued)

Following is the allocation of production and losses:	Electrical Output MWe	Capacity Factor % of 614 MWe (Target Output)	Full Power Hours Equivalent (FPHeq)
Net Electric Output	184.38	30.03%	215.91
Plant House Loads (while on-line)	+10.62	+1.73%	12.44
Subtotal: Gross Electric Output	195.00	31.76%	228.34
Capacity Losses (departures from full thermal power):			
Ramp up: 4/20 20:33 - 04/22 17:00	12.38	2.02%	14.50
Load-line Adjustments: 4/22 20:38 - 21:25, 4/23 04:17 - 04:50 & 15:27 - 16:30, 4/28 21:34 - 22:49	0.08	0.01%	0.09
Turbine Over-speed Testing: 4/20 14:48 - 20:33	4.38	0.71%	5.13
Maintain Margin to 1790 Administrative MWth Limit	0.10	0.02%	0.11
Efficiency Losses (which occur even at full thermal power):			
-/+ Seasonal Effects (i.e., cold weather increase)	0.03	0.01%	0.04
Subtotal: On-line Losses (Capacity, Efficiency, and Weather):	17.13	2.79%	20.06
Off-Line Losses	401.88	65.45%	470.60
Total: Target Electric Output, %, # of clock-hours	614.00	100.00%	719.00

Licensing Action Summary:

Plant Availability:	34.5%	Unplanned Auto Scrams (while critical) this month:	0
Number of reportable events:	3	Unplanned Auto Scrams (while critical) last 12 months:	0