

OPERATING DATA REPORT

DOCKET NO. 050-0331
 DATE 4-14-80
 COMPLETED BY J. Van Sickle
 TELEPHONE 319-851-5611

OPERATING STATUS

1. Unit Name: Duane Arnold Energy Center
2. Reporting Period: March, 1980
3. Licensed Thermal Power (MWt): 1658
- * 4. Nameplate Rating (Gross MWe): 565 (Turbine Rating)
5. Design Electrical Rating (Net MWe): 538
6. Maximum Dependable Capacity (Gross MWe): 545
7. Maximum Dependable Capacity (Net MWe): 515
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	2184	45,264
12. Number Of Hours Reactor Was Critical	0	944.1	31,508.2
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	944.1	30,763.2
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	1,219,968	38,349,528
17. Gross Electrical Energy Generated (MWH)	0	428,336	12,852,702
18. Net Electrical Energy Generated (MWH)	0	401,349	12,016,413
19. Unit Service Factor	0%	43.2%	68.0%
20. Unit Availability Factor	0%	43.2%	68.0%
21. Unit Capacity Factor (Using MDC Net)	0%	35.7%	51.5%
22. Unit Capacity Factor (Using DER Net)	0%	34.2%	49.3%
23. Unit Forced Outage Rate	0%	0%	20.4%
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: April 14, 1980

*Turbine Rating: 565.7 MWe

Generator Rating: 663.5 (MVA) x .90 (Power Factor) = 597 MWe

8004220^(9/77) 389

AVERAGE DAILY UNIT POWER LEVEL

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MONTH March, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1980

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No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1.	800209	S	744	C	3				Continuation of refueling and maintenance 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-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

REFUELING INFORMATION

Docket No. 050-0331
Unit Duane Arnold Energy Center
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1. Name of facility.
A. Duane Arnold Energy Center
2. Scheduled date for next refueling shutdown.
A. Spring, 1981
3. Scheduled date for restart following refueling.
A. Unknown.
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
A. No
5. Scheduled date(s) for submitting proposed licensing action and supporting information.
A. 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.
A. No licensing action is anticipated.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.
A. a) 368 b) 364
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.
A. 2050
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.
A. 1998

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MAJOR SAFETY RELATED MAINTENANCE

DATE	SYSTEM	COMPONENT	DESCRIPTION
3-20-80	CRD Hydraulic	CRD S/N 4016 and S/N 4777	Rebuilt control rod drive
3-21-80	RHR	PSV-1911	Replaced seat and tested
3-22-80	Neutron Monitoring	LPRM 16-17D	Replaced LPRM
3-22-80	CRD Hydraulic	CRD S/N 4017	Rebuilt control rod drive
3-25-80	Standby Diesel Generator	1G-31	Performed annual inspection. Replaced main thrust bearing.
3-26-80	CRD hydraulic	CRD S/N 4034, 3523, 4022, 4799 and 3945	Rebuilt control rod drive
3-26-80	Neutron Monitoring	LPRM 16-33A and 32-09B	Replaced LPRM's
3-28-80	Standby Diesel Generator	1G-21	Performed annual inspection. Replaced main thrust bearing.

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NARRATIVE SUMMARY OF OPERATING EXPERIENCE

3-1 At the beginning of the report period the plant was shutdown for refueling and maintenance with the reactor defueled.

3-4 During an inspection of the HPCI pump a section of HPCI booster pump split ring was found lodged in the pump impeller.

R0 Report 80-009

3-5 Following completion of electrical testing of the reactor building vent sample system, the sample pumps were not immediately restarted.

ETSV Report 80-2

3-10 During testing three main steam relief valves were found to have out of specification as found setpoints.

R0 Report 80-010

3-12 Contaminated water which had leaked into a main condenser water box was pumped into the circulating water system without first being sampled and analyzed.

ETSV Report 80-3

3-17 During annual inspections of standby diesel generators 1G-21 and 1G-31 the lower crankshaft thrust bearings of both engines were found wiped.

R0 Reports 80-011 and 80-012

3-27 Reloading of the reactor core was begun.

3-30 During core loading operations a fuel assembly was loaded into cell 06-23 without control rod 06-23 being fully inserted.

R0 Report 80-013