

OPERATING DATA REPORT

DOCKET NO. 050-0331
 DATE 7-15-80
 COMPLETED BY J. Van Sickle
 TELEPHONE 319-851-5611

OPERATING STATUS

1. Unit Name: Duane Arnold Energy Center
2. Reporting Period: June, 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	<u>720</u>	<u>4,367</u>	<u>47,447</u>
12. Number Of Hours Reactor Was Critical	<u>720</u>	<u>2,568.8</u>	<u>33,132.8</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>720</u>	<u>2,486.3</u>	<u>32,305.5</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,056,336</u>	<u>3,097,512</u>	<u>40,227,072</u>
17. Gross Electrical Energy Generated (MWH)	<u>351,949</u>	<u>1,048,275</u>	<u>13,472,641</u>
18. Net Electrical Energy Generated (MWH)	<u>330,970</u>	<u>980,643</u>	<u>12,595,706</u>
19. Unit Service Factor	<u>100%</u>	<u>56.9%</u>	<u>68.1%</u>
20. Unit Availability Factor	<u>100%</u>	<u>56.9%</u>	<u>68.1%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>89.3%</u>	<u>43.6%</u>	<u>51.5%</u>
22. Unit Capacity Factor (Using DER Net)	<u>85.4%</u>	<u>41.7%</u>	<u>49.3%</u>
23. Unit Forced Outage Rate	<u>0%</u>	<u>6.3%</u>	<u>20.0%</u>
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: _____

* Turbine Rating: 565.7 MWe

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

8007220371

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0331

UNIT Duane Arnold Engy.
Ctr.

DATE 7-15-80

COMPLETED BY J. Van Sickle

TELEPHONE 319-851-5611

MONTH June, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>406</u>
2	<u>458</u>
3	<u>490</u>
4	<u>484</u>
5	<u>458</u>
6	<u>432</u>
7	<u>387</u>
8	<u>307</u>
9	<u>438</u>
10	<u>505</u>
11	<u>499</u>
12	<u>492</u>
13	<u>475</u>
14	<u>481</u>
15	<u>483</u>
16	<u>499</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>495</u>
18	<u>486</u>
19	<u>493</u>
20	<u>484</u>
21	<u>456</u>
22	<u>485</u>
23	<u>478</u>
24	<u>481</u>
25	<u>481</u>
26	<u>476</u>
27	<u>366</u>
28	<u>329</u>
29	<u>494</u>
30	<u>494</u>
31	<u></u>

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

DOCKET NO. 050-0331
 UNIT NAME Duane Arnold Engy. Ctr.
 DATE 7-15-80
 COMPLETED BY J. Van Sickle
 TELEPHONE 319-851-5611

REPORT MONTH June, 1980

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
9.	800608	S	0	B	4		CH	HTEXCH	Power reduced to perform maintenance on the "A" reactor feed pump oil cooler.
10.	800627	S	0	A	4		CB		Power was reduced to repair the "B" Recirculation System M-G set generator exciter.

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 I - Same Source

REFUELING INFORMATION

Docket No. 050-0331
Unit Duane Arnold Energy Center
Date 7-15-80
Completed by J. Van Sickle
Telephone 319-851-5611

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

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

- 6-1 At the beginning of the report period the plant was operating at 459 MWe. At load decrease was begun at 0922 hours in preparation for control rod withdrawals. Control rod withdrawals were completed and a load increase begun at 1318 hours.
- 6-3 During surveillance testing a body to bonnet and packing leak was discovered on a pressure point isolation valve on the RCIC steam supply line. The RCIC system was taken out of service to repair the valve.

R0 Report 80-024

The plant was operating at 529 MWe.

- 6-6 During surveillance testing main steam line leak detection TIS-4478 was found with an out of specification setpoint.

R0 Report 80-025

- 6-8 Power was reduced in order to perform maintenance on the "A" reactor feed pump oil cooler. Maintenance was completed and a power increase begun at 2113 hours.

- 6-10 The diesel fire pump was taken out of service for maintenance.

The Plant was operating at 536 MWe.

- 6-17 During surveillance testing a 4KV emergency bus undervoltage relay was found to have an out of specification time delay.

R0 Report 80-026

On this date the diesel fire pump was out of service 7 days and a special report detailing the problems found and corrective action taken became necessary.

- 6-27 The "B" recirculation pump tripped due to problems with the M-G set generator excitor.

- 6-28 The problem with the "B" recirculation system M-G set generator excitor were resolved, the "B" recirc. system placed back in service and a power increase begun.

- 6-30 The plant was operating at 516 MWe.

MAJOR SAFETY RELATED MAINTENANCE

Docket No. 050-0331
Unit Duane Arnold Energy Center
Date 7-15-80
Completed by J. Van Sickel
Telephone 319-851-5611

DATE	SYSTEM	COMPONENT	DESCRIPTION
6-03-80	CRD Hydraulic	CRD 10-31	Replaced transistor in rod position indicating system
6-13-80	Containment Atmospheric Control	TR 4386A	Replaced filter capacitor in power supply
6-13-80	Standby Gas Treatment	Compressor 1K-4	Rebuilt compressor
6-20-80	Drywell Radiation Monitor	RIT 8102B	Replaced gaseous detector tube
6-20-80	Containment Atmospheric Control	AR 4381A	Changed chemicals in analyzer cell
6-24-80	Containment Atmospheric Control	TT 4325	Replaced circuit board
6-25-80	Reactor Protection	"B" RBM	Replaced relay
6-27-80	Drywell Radiation Monitor	RE 8102B	Replaced detector tube