OPERATING DATA REPORT

DOCKET NO. 050-0331
DATE 2-14-83
COMPLETED BY Mark Watson
TELEPHONE 319-851-7611

OPERATING STATUS

Notes

1. Unit Name Duane Arnold Energy Center
2. Reporting Period January, 1983
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 the Last Report, Give Reasons:

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	744.0	744.0	70128.0
12. Number of Hours Reactor Was Critical	744.0	744.0	51000.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	49679.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	886231.2	886231.2	61255751.2
17. Gross Electrical Energy Generated (MWH)	304347.0	304347.0	20519264.0
18. Net Electrical Energy Generated (MWH)	283698.2	283698.2	19197970.6
19. Unit Service Factor	100.0%	100.0%	70.8%
20. Unit Availability Factor	100.0%	100.0%	70.8%
21. Unit Capacity Factor (Using MDC Net)	74.0%	74.0%	53.2%
22. Unit Capacity Factor (Using DER Net)	70.9%	70.9%	50.9%
23. Unit Forced Outage Rate	0.0	0.0	17.6%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling, February 11, 1983 8 weeks

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

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0331

UNIT Duane Arnold Energy Center

DATE 2-14-83

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MONTH January, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	468	17	415
2	478	18	432
3	478	19	433
4	475	20	431
5	474	21	422
6	470	22	296
7	455	23	302
8	273	24	414
9	333	25	428
10	372	26	411
11	435	27	378
12	444	28	426
13	439	29	420
14	436	30	422
15	301	31	420
16	300		

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 January, 1983

Docket No. 050-0331
Unit Name Duane Arnold Energy Center
Date 2-14-83
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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	1-7-83	F	N/A	B	N/A	N/A	N/A	N/A	Power reduction to perform STP 43C001 and STP 43A002 "Scram insertion time test"
2	1-14-83	F	N/A	H	N/A	N/A	N/A	N/A	Load reduction by load dispatcher
3	1-21-83	F	N/A	H	N/A	N/A	N/A	N/A	Load reduction by load dispatcher

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure(Explain)
B-Maintenance of 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

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Docket No. 055-0331
Unit Duane Arnold Energy Ctr
Date 2-14-83
Completed by Mark Watson
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REFUELING INFORMATION

1. Name of facility.

   A. Duane Arnold Energy Center

2. Scheduled date for next refueling shutdown.

   A. February 11, 1983

3. Scheduled date for restart following refueling.

   A. April 9, 1983 (Preliminary)

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

   Yes, the following changes will have to be included in the Technical Specifications:

   A. MAPLHGR Tables
   B. MCPR Table
   C. Torus Drained Refueling Operations
   D. Common Reference Level

5. Scheduled date(s) for submitting proposed licensing action and supporting information.

   A. January 14, 1983
   B. January 14, 1983
   C. December 6, 1982 (RTS-146)
   D. December 13, 1982 (RTS-141)

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. New fuel assemblies to be placed in the reactor will be more highly enriched than those currently in use.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

   A. a) 368 b) 448

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
1-4-83	Reactor Core Isolation Cooling (RCIC)	Governor Valve Flanges	Replaced old Flexatallic, torqued unit flange per spec.
1-25-83	Primary Containment H and V	1K-18A Drywell P compressor controller	Recalibrated per spec.
1-25-83	Reactor Protecti[illegible] System (RPS)	RPS low water level indicating switch LIS-4592A	Recalibrated per STP.

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NARRATIVE SUMMARY OF OPERATING EXPERIENCE

1-1-83 Normal operation at 483 MWe.

1-4-83 During normal operation surveillance testing, steam was discovered escaping from HV-2406, the RCIC turbine hydraulic goverfor valve. The RCIC steam isolation valves MO-2400 and MO-2401 were closed to commence repairs, rendering the RCIC system inoperable.

RO Reprt 83-01

1-7-83 Power reduction to perform STP 43C001 and STP 43A002 "Scram Insertion Time Test".

1-14-83 Load reduction per load dispatcher.

1-21-83 Load reduction per load dispatcher.

1-24-83 During normal operation, the "drywell to torus low differential pressure" alarm was received.

RO Report 83-02

1-25-83 During normal operation surveillance testing, LIS-4592A (one of four Reactor Protection System Low Reactor Water Level Indicating Switches) tripped out of specification:

RO Report 83-03