OPERATING DATA REPORT

DOCKET NO. 050-0331
DATE 2-15-80
COMPLETED BY J. Van Sickel
TELEPHONE 319-851-5611

OPERATING STATUS

1. Unit Name: Duane Arnold Energy Center
2. Reporting Period: January, 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	744	43,824
12. Number Of Hours Reactor Was Critical	744	744	31,308.1
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	744	744	30,563.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	976,200	976,200	38,105,760
17. Gross Electrical Energy Generated (MWH)	343,643	343,643	12,768,009
18. Net Electrical Energy Generated (MWH)	322,176	322,176	11,937,240
19. Unit Service Factor	100%	100%	69.7%
20. Unit Availability Factor	100%	100%	69.7%
21. Unit Capacity Factor (Using MDC Net)	84.1%	84.1%	52.9%
22. Unit Capacity Factor (Using DER Net)	80.5%	80.5%	50.6%
23. Unit Forced Outage Rate	0%	0%	20.5%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling, February 9, 1980, 10 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

8002200 408

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0331
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MONTH January, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	455	17	435
2	455	18	436
3	454	19	421
4	452	20	351
5	447	21	443
6	450	22	429
7	446	23	428
8	451	24	418
9	442	25	426
10	441	26	423
11	441	27	420
12	439	28	420
13	440	29	418
14	439	30	417
15	436	31	415
16	433		

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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January, 1980

DOCKET NO. 050-0331
UNIT NAME Duane Arnold Energy Center
DATE 2-15-80
COMPLETED BY J. Van Sickel
TELEPHONE 319-851-5611

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
None									

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)
11-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

(9/77)

REFUELING INFORMATION

Docket No. 050-0331
Unit Duane Arnold Energy Center
Date 2-15-80
Completed by J. Van Sickel
Telephone 319-851-5611

1. Name of facility.

   A. Duane Arnold Energy Center

2. Scheduled date for next refueling shutdown.

   A. February 9, 1980

3. Scheduled date for restart following refueling.

   A. April 10, 1980

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

   A. Yes. MCPR and MAPLHGR operating limits as derived from transient and accident analyses.

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

   A. January 18, 1980

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. The reload will consist of up to 88 8 x 8 2 water rod bundles.

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

   A. a) 368 b) 276

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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NARRATIVE SUMMARY OF OPERATING EXPERIENCE

At the beginning of the report period the plant was operating at 486 MWe. The plant continued base loaded coast down operation throughout the report period with one power reduction on January 20 to perform control rod scram time testing. An Environmental Technical Specification Violation (ETSV Report 80-1) occurred on January 7 when an off gas stack particulate filter and iodine cartridge were lost within the protected area. A Reportable Occurrence (RO 80-1) occurred on January 24 when both containment oxygen analyzers were out of service for a short time. A Reportable Occurrence Report is pending concerning a HPCI pump seal water supply leak which was found on January 28.

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MAJOR SAFETY RELATED MAINTENANCE

Date	System	Component	Description
1-4-80	HPCI	MOV 2318	Repaired body to bonnet leak
1-9-80	RHR	FY 1971B	Recalibrated
1-9-80	Containment Atmospheric Control	AN-8181A	Recalibrated
1-11-80	Radwaste Sumps	CV-3728	Lubricated Valve Operator
1-16-80	Containment Atmospheric Control	AN-8181A	Rejuvenated Cell
1-17-80	Main Steam Line Rad. Monitoring	RC 4448A	Repaired Test Circuit
1-22-80	Containment Atmospheric Control	AN-8181A	Rejuvenated Cell and Replaced Alarm Point Potentiometer
1-23-80	RHR	MOV-2038	Adjusted Limit Switch
1-25-80	Containment Atmospheric Control	AN-8181B	Cleaned Flow Regulator, Rejuvenated Cell and Calibrated Cell