OPERATING DATA REPORT

DOCKET NO. 050-0331
DATE November 14, 1982
COMPLETED BY Mark Watson
TELEPHONE 319-851-5611

OPERATING STATUS

1. Unit Name: Duane Arnold Energy Center
2. Reporting Period: October 1982
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	745.0	7296.0	67920.0
12. Number Of Hours Reactor Was Critical	745.0	5566.1	49044.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	745.0	5349.3	47738.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	435134.4	5694490.0	58747888.0
17. Gross Electrical Energy Generated (MWH)	134503.0	1888444.0	19663484.0
18. Net Electrical Energy Generated (MWH)	123388.4	1765088.6	18396674.0
19. Unit Service Factor	100.0	73.3	70.3
20. Unit Availability Factor	100.0	73.3	70.3
21. Unit Capacity Factor (Using MDC Net)	32.2	47.0	52.6
22. Unit Capacity Factor (Using DER Net)	30.8	45.0	50.3
23. Unit Forced Outage Rate	0.0	22.8	17.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
First Quarter 1983 Refueling

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

8211190182 821114
PDR ADOCK 05000331
R PDR

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0331
UNIT Duane Arnold Energy Center
DATE November 14, 1982
COMPLETED BY Mark Watson
TELEPHONE 319-851-5611

MONTH October 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	164	17	171
2	167	18	169
3	168	19	168
4	168	20	174
5	165	21	176
6	182	22	176
7	170	23	175
8	170	24	175
9	171	25	220
10	167	26	228
11	171	27	230
12	183	28	232
13	171	29	226
14	170	30	170
15	171	31	185
16	173		

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 October, 1982

DOCKET NO. 050-0331
UNIT NAME Duane Arnold Energy Ctr.
DATE November 14, 1982
COMPLETED BY Mark Watson
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
17	10-29-82	F	0.0	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 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

(9/77)

Unit Duane Arnold Energy Center
Date November 14, 1982
Completed by Mark Watson
Telephone 319-851-5611

REFUELING INFORMATION

1. Name of facility.

   A. Duane Arnold Energy Center

2. Scheduled date for next refueling shutdown.

   A. 1st quarter, 1983

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. Yes. New MAPLHGR tables will have to be included in Technical Specifications.

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

   A. Unknown at this time.

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

Docket No. 050-0331
Unit Duane Arnold Energy Cent
Date November 14, 1982
Completed by Mark Watson
Telephone 319-851-5611

MAJOR SAFETY RELATED MAINTENANCE

DATE	SYSTEM	COMPONENT	DESCRIPTION
9-30-82	HPCI Test Control Circuit	Test Potentiometer	Replaced
10-8-82	Standby Gas Treatment	SBGT Air Compressor 1K-3	Repaired starter
10-13-82	Containment Atmos. Dilution (CAD)	'A' Torus Water Level Recorder LR-4384C	Cleaned brushes in motor and calibrated
10-14-82	HPCI	Pipe Support - IAWSKM-1603	Repaired and replaced support
10-15-82	Containment Atmos. Dilution (CAD)	1K18A Cooler	Disassembled and cleaned
10-15-82	River Water and Screen Wash	Pump 1P-112B	Replaced coupling
10-24-82	Containment Atmos. Dilution (CAD)	Temperature Recorder TR-4386B	Installed new motor pen #1 new pen tape pen #1.
10-26-82	Diesel Oil	Fuel oil level high alarm	Changed logic and functionally tested

Docket No. 050-0331
Unit Duane Arnold Energy Center
Date November 14, 1982
Completed by Mark Watson
Telephone 319-851-5611

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

10-1 Normal operation at 165 MWe.

10-12 During normal operation, the 'A' Torus Water Level Recorder, LR-4384, was found indicating a reduced level.

RO Report 82-66

During normal operation surveillance testing, the 'A' LPCI injection valve, MOV-2003, failed to close completely.

RO Report 82-67

10-14 During normal operation, the 'B' River Water Supply System (RWSS) Traveling Screen Wash Pump, 1P-112B, was found inoperable.

RO Report 82-68

10-15 Normal operation at 170 MWe.

10-18 During normal operation, power was lost to the 'C' MSIV Leakage Control System (MSIV-LCS) Logic.

RO Report 82-69

10-19 During normal operation's review of completed surveillance test procedures, it was discovered that the monthly surveillance of the Reactor Low Low Level Reactor Protection System trip function had not been performed during September.

RO Report 82-70

10-24 During normal operation instrument checks, suppression pool water temperature recorder TR-4386B was found inoperable.

RO Report 82-71

10-26 During normal operation surveillance testing, the pressure switches which control reactor building to suppression chamber vacuum breakers, CV-4304 and CV-4305, tripped conservatively out of specifications.

RO Report 82-72

10-27 During normal operation surveillance testing, radwaste ventilation isolation damper 1V-AD-44A failed to close.

RO Report 82-73

10-29 Load reduction per load dispatcher.

10-31 Normal operation at 173 MWe.