

OPERATING DATA REPORT

DOCKET NO. 050-0331
 DATE December 14, 1978
 COMPLETED BY J. Van Sickle
 TELEPHONE 319-851-5611

OPERATING STATUS

1. Unit Name: Duane Arnold Energy Center
2. Reporting Period: November, 1978
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	720	8016	33,576
12. Number Of Hours Reactor Was Critical	0	3,058.8	23,612.8
13. Reactor Reserve Shutdown Hours	0	0	
14. Hours Generator On-Line	0	2,904.3	22,987
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	3,956,424	28,061,640
17. Gross Electrical Energy Generated (MWH)	0	1,307,325	9,337,429
18. Net Electrical Energy Generated (MWH)	0	1,227,561	8,716,300
19. Unit Service Factor	0%	36.2%	68.5%
20. Unit Availability Factor	0%	36.2%	68.5%
21. Unit Capacity Factor (Using MDC Net)	0%	29.7%	50.4%
22. Unit Capacity Factor (Using DER Net)	0%	28.5%	48.3%
23. Unit Forced Outage Rate	100%	58.6%	18.5%

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

781219013a

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0331

UNIT Duane Arnold Energy

DATE December 14, 1978

COMPLETED BY J. Van Sickle

TELEPHONE 319-851-5611

MONTH November, 1978

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	

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 Energy Center
DATE December 14, 1978
COMPLETED BY J. Van Sicke
TELEPHONE 319-851-5611

REPORT MONTH November, 1978

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
12	780617	F	720	A	3	78-030	CB	PIPEXX	Continuation of previous shutdown to replace recirculation system inlet nozzle safe ends.

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

Docket No. 050-0331

Unit Duane Arnold Energy Center

Date December 14, 1978

Completed by J. Van Sickle

Telephone 319-851-5611

NARRATIVE SUMMARY OF OPERATING EVENTS

No significant operational events occurred during November. The plant remained in the cold shutdown condition with all fuel removed from the reactor to facilitate replacement of all eight recirculation system inlet nozzle safe ends.

Docket No. 050-0331
Unit Duane Arnold Energy Center
Date December 14, 1978
Completed by J. Van Sickle
Telephone 319-851-5611

MAJOR SAFETY RELATED MAINTENANCE

DATE	SYSTEM	COMPONENT	DESCRIPTION
11-6-78	River Water Supply	IP-117D	Inspected and rebuilt pump as required
11-9-78	Reactor Building Heating and Ventilation	IC-182B & C	Installed new detector tubes
11-14-78	RHR	PDIS 4626B	Recalibrated switch
11-14-78	RHR	PDIS 4626C	Recalibrated switch
11-14-78	RHR	PDIS 4625A	Recalibrated switch
11-16-78	River Water Supply	IP-117C Pump check valve V-29-3	Rebuilt check valve
11-27-78	Standby diesel generators	1G-21	Replaced exhaust manifold gaskets
11-29-78	Control building heating and ventilation	RE 6101A	Repaired source meter

REFUELING INFORMATION

Docket No. 050-0331

Unit Duane Arnold Energy
Center

Date November 11, 1978

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. Unknown. Under review due to present extended outage.
3. Scheduled date for restart following refueling.
A. Unknown. Under review due to present extended outage.
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
A. 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. Unknown.
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 100 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) 0 b) 644
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